

USDA-NRCS
IOWA STATE TECHNICAL COMMITTEE MEETING
Neal Smith Federal Building
210 Walnut Street, Room 693
Virtual Meeting - Teleconference
Des Moines, Iowa 50309

September 17, 2020 at 1:00 P.M.

DRAFT MINUTES

Welcome/Opening Comments – Kristy Oates, Acting State Conservationist

Kristy opened the meeting, expressed her appreciation for everyone attending virtually, and roll call was accomplished (Attachment A). Kristy stated that she is on detail from Texas and it was announced today that Jon Hubbert has been selected as the new State Conservationist. Jon will begin his duties in that position on October 11, 2020.

Kristy reported that there are several postings currently on the federal register:

- USDA is seeking nominations for the Task Force on Agricultural Air Quality Research;
- USDA is seeking input for Ready to Go Technologies and Practices for Agriculture Innovation Agenda, and;
- The rule was posted for determining whether land is considered highly erodible or a wetland which followed the interim final rule published December 7, 2018.
- Of note, additional information on the Air Quality Task Force and Ready to Go Technologies and Practices will be posted on the State Technical Committee page of the Iowa NRCS website.

Kristy also reported that in response to the derecho storm event, NRCS developed a special EQIP signup for seeding cover crops on impacted fields, replacing roofs, covers, or roof run off structures previously funded through NRCS and replacing damaged high tunnel systems previously funded through NRCS. Producers may request early start waivers to begin implementing practices immediately. Landowners with windbreak and shelterbelt tree damage may apply for NRCS assistance through general EQIP.

Approval of Minutes from June 25, 2020

Kristy asked if there were any additions or corrections to the minutes. There were no additions or corrections, and the June 25th minutes were adopted.

Farm Bill Status – Jon Hubbert (See Attachment 1)

Environmental Quality Incentives Program (EQIP) Status

1. EQIP Summary:
 - a. EQIP has 981 new FY 2020 contracts on 115,069 acres with a total funding of \$28,629,809 (includes estimate for 7 contracts not yet fully obligated).
 - b. EQIP RCPP has 37 contracts on 10,815 acres with a total funding of \$1,090,597 (fully obligated).
 - c. CIG has 3 agreements with a total funding of \$261,760.

- d. Total new FY 2020 EQIP contracts are 1021, total acres are 125,884, and total dollars are \$29,982,166.

Conservation Stewardship Program (CSP) Status

1. CSP new FY 2020 contracts, acres and dollars: 332 contracts, 180,249 acres and \$17,351,903.
 - a. CSP (Classic) has 228 contracts on 117,566 acres for \$11,539,269 (includes estimate for 7 contracts not yet obligated).
 - b. CSP RCPP has 32 contracts on 12,101 acres for \$1,739,384 (fully obligated).
 - c. CSP Renewal has 72 contracts on 50,582 acres for \$4,073,250 (fully obligated).
 - d. CSP incentive payments, by law, are to be made as soon as possible after October 1st of the year conservation activities are installed and producers typically receive payment in mid-December. NRCS has historically allowed the producer to elect to receive payment in the current calendar year or after January 1st of the subsequent year. Payments will be accelerated this year as follows:
 - i. Payments to producers who enrolled after October 1, 2019, and installed enhancements before September 30, 2020, will be processed immediately to be paid by November 6, 2020.
 - ii. Producers who enrolled prior to October 1, 2019, will continue to receive payment in the calendar year of their choice.

Agricultural Conservation Easement Program (ACEP) Status

1. Total ACEP WRE & ALE acres and dollars:
 - a. We added 7 new FY 2020 easement contracts (1 ALE and 6 WRE) on 1,755 acres for a total of \$10,500,000 (includes estimate for 2 easements not yet fully obligated).
2. ALE (Agricultural Land Easements) – 1 application selected for funding and working forward.

Non-Farm Bill Program:

Emergency Watershed Protection-Recovery

Scott Cagle-Recovery projects from the 2019 flooding

1. There are 54 agreements out of the 125 DSRs that we are handling.
 - a. 7 or 8 projects have been completed.
 - b. The rest of the recovery projects are progressing well.
2. New signup from the Derecho event on August 10, 2020: Counties that have a lot of debris in creeks that will end up around bridges and in culverts must sign up by October 10, 2020 (60 days from the event) if they know they will need assistance in the future.

Jon Hubbert-Flood Plain Easements

1. We have 37 applications tentatively approved for funding.
2. We are submitting additional easement application requests for consideration (we received 393 applications).

Q&A: Susanne Hickey asked how many acres are involved with the 37 applications. Jon Hubbert advised later that there are 6,582 acres involved with the 37 applications.

CRP Update – Amanda De Jong (See Attachment 2)

In summary:

- General Sign Up (SU)54: To date, 9,562 offers covering 267,182 acres have been accepted by the Secretary, 3,285 offers have been approved.
- CCRP SU53: To date, 3,163 offers covering 20,286 acres have been approved.
- CRP Grasslands SU202: 52 counties in Iowa had 176 offers with 4,686.14 acres however only 19 offers were accepted for 471.96 acres. Priority \$\$ are given to western states.
- Soil Health and Income Protection Program (SHIPP): 44 offers accepted so far so sign up has been extended until November 20, 2020. This short-term program works well for producers who don't want a longer commitment.
- Derecho Conservation Programs
 - Emergency Conservation Program (ECP)-there are 7 counties interested in cost-share but presently only Linn County has an active signup. Benton County has been submitted for approval from DC.
 - Emergency Forest Restoration Program (EFRP)-there are 8 counties interested but no active signups right now.

Rick Robinson requested the information in writing. *An update was emailed to Rick and Jon Hubbert after the meeting and is attached to these minutes as Attachment 2.

Sub-Committee Reports

Environmental Quality Incentives Program (EQIP) – Steve Hopkins (See Attachments 3A and 3B)

- The subcommittee focused their energy on Iowa's Soil Health & Water Quality EQIP Initiative for Iowa's Row Crop Land and reached a consensus regarding their proposal and recommendation.
- The subcommittee is recommending the proposal Iowa's Soil Health & Water Quality EQIP Initiative for Iowa's Row Crop Land that was distributed to the State Technical Committee (see *Attachment 3B*). Kevin Kuhn provided details about the proposal.
- Jon Hubbert verified that this is a recommendation and opened the discussion for comments from committee members.
 1. Sean McMahon commented that the 590 cap needs to be flexible when cover crops are part of the equation.
 2. Kevin McCall commented that NRCS is still looking into a revision of the 590 Standard and different options. He stated that the maximum rates will hopefully inspire producers to rethink what they are doing nutrient-wise.
 3. Dave Brommel commented that any time a practice standard is changed or modified, producers have the option of operating under the standard in their contract or operating under the new standard.
 4. Dave Petty commented that sometimes a proposed incentive looks good on paper but does not benefit the producer financially. Producers will look at the economic value first and foremost. Mr. Petty did note that NRCS is improving their consideration of economic values for farmers.

5. Steve Hopkins inquired as to how the recommendation would be approved. Jon Hubbert advised that all comments are welcomed but the decision is ultimately made by the State Conservationist.

RECOMMENDATION: The EQIP Subcommittee is recommending the proposed Iowa's Soil Health & Water Quality EQIP Initiative for Iowa's Row Crop Lands to the State Technical Committee for consideration and adoption. Please see *Attachment 3B* for the complete proposal.

Please see *Attachment 3A* for additional updates from the EQIP Subcommittee.

Conservation Innovative Grants (CIG) – Steve Hopkins (See Attachment 4)

The subcommittee met in July and reviewed 7 eligible applications.

- The applications were scored and the top 5 were selected and sent to Kurt Simon.
- The following 3 applications were selected for funding:
 1. Iowa Soybean Association-*Soil Health Test Interpretation Portal* (\$71,705).
 2. Soil and Water Conservation Society-*Soil Health through Retailer Cooperatives* (\$91,685).
 3. SILT-*Cashflowing Silvopasture* (\$99,000)

*The subcommittee meeting notes were not distributed prior to the meeting but are attached to these minutes as Attachment 4.

Wetlands Reserve Easements (WRE) – Kelly Smith

The committee did not meet since the last State Technical Committee meeting. Jon Hubbert provided information earlier in the meeting and she had nothing additional to report.

CRP – Sean McMahon

The subcommittee has not met since March 18th and he reported on that meeting at the last State Technical Committee Meeting in June.

Conservation Stewardship Program (CSP) – Anna Johnson (See Attachment 5)

The subcommittee met on September 15, 2020.

- We discussed the funding pools and the CART ranking process for CSP. There were 260 applications funded in FY2020 and 418 applications unfunded.
- We agreed to continue our FY2020 top five priority resource concerns for FY2021.
- For renewals ONLY, we recommend removing the livestock production limitation and replacing with the soil quality limitations. This will help to not exclude producers who do not have livestock.

Q&A. Dave Petty asked how Iowa fared in the national pool. He had difficulty renewing his contract as he has completed many practices and it left little opportunity for getting financial assistance. Anna advised that previously renewals were automatic. There was a new procedure this year to make renewals more competitive by having their own ranking pool. And each state has its own ranking pools and are not compared nationally. Dave Brommel further clarified that Iowa does not compete against other states as we have our own ranking criteria and our own funding.

RECOMMENDATION: The CSP Subcommittee is recommending, for Renewal CSP Applications, that the livestock production limitation be removed and replaced with the soil quality limitation.

Source Water Protection (SWP) – Christina Murphy (See Attachments 6A and 6B)

The committee met several times since the June 25th STC Meeting. National Bulletin-NB 300-20-37 LTP – Refining Source Water Protection Priorities for Fiscal Year (FY) 2021 (included in Attachment 6A) was discussed in great length. The designation of priority areas has changed drastically. There are 4 key points in the bulletin. High Priority Areas must:

1. Total no more than 20% of the land area of the state.
2. Must use HUC 12 (Hydrologic Unit Codes) watershed boundaries.
3. Must be selected based on data supporting the HUC 12's type of water source concern and potential threats.
4. Must consider state/utility SWPA delineations and EPAs density data for location and extent of SWPAs provided in their drinking water.

Concerns noted:

- EPA maps are not updated but EPA is working on it.
- If we include an entire HUC 12 area, how do we target a specific area? Working with local and national NRCS staff, we can use a GIS layer to give an application a higher ranking.

We met to further refine the HUC 12s we selected as priority areas. They added up to significantly less than 20% so we added several additional HUC 12 areas to maximize the 20% allowed (map included in Attachment 6A).

These are the subcommittee's recommendations to the State Technical Committee and the State Conservationist:

1. The SWP subcommittee continues to recommend that 55% of funds be distributed to the protection of groundwater sources and groundwater-influenced sources, as defined by the 2018 Iowa Drinking Water Compliance Report, and 45% to be distributed to surface or surface-influenced groundwater sources. If available funds are not able to be used in one priority area, additional applications could be funded in the other category until all funding sources are exhausted. Groundwater applications outside the wellhead protection area but within the HUC 12 should be given a lower ranking than those surface priority areas. The subcommittee believes there is still benefit to practices outside the wellhead protection area but at a lower ranking than our surface water priority areas.
2. All groundwater priority systems are outlined on the map included in Attachment 6A and have approved Phase 2 plans or are a high nitrate community water system (>3 mg/L). Applications within a groundwater wellhead protection area (outlined in blue) should be prioritized within the Iowa ranking process over applications outside this area within the priority HUC12 to help ensure funds are being targeted where they will have the most impact. This can be done by a GIS layer that has been developed for this use.
3. All surface or surface-influenced priority HUC12s have approved watershed management plans or have TMDL Water Quality Improvement Plans.
4. The three surface priority areas shown on the map should receive the same priority ranking. They are color coded to show the HUC12s associated with a TMDL.

5. The subcommittee would like to recommend to the State Conservationist that they allow 75% cost share (initiative rate) for eligible conservation practices that will address source water protection as outlined in the proposal.
6. The attached listing of approved practices is unchanged from 2019 and continues to be the recommendation of the subcommittee.
7. The map included in Attachment 6A, outlines the Source Water Protection Areas Priority HUC12s.

Christina thanked the NRCS staff and DNR staff for their help and assistance in walking through this process.

RECOMMENDATION 1: The SWP Subcommittee is recommending that 55% of funds be distributed to the protection of groundwater sources and groundwater-influenced sources, as defined by the 2018 Iowa Drinking Water Compliance Report, and 45% to be distributed to surface or surface-influenced groundwater sources. If available funds are not able to be used in one priority area, additional applications could be funded in the other category until all funding sources are exhausted. *Groundwater* applications outside the wellhead protection area but within the HUC 12 should be given a lower ranking than those *surface water* priority areas.

RECOMMENDATION 2: The SWP Subcommittee is recommending that the map included in Attachment 6A, that outlines the Source Water Protection Areas Priority HUC12s be used for compliance with NB 300-20-37 LTP (map included in *Attachment 6A*).

RECOMMENDATION 3: The SWP Subcommittee is recommending that the approved practices remain unchanged from 2019, and that NRCS allow a 75% cost-share initiative (90% for HU producers) for the approved practices (list included in *Attachment 6A*).

Agency Announcements

Susan Kozak (IDALS) (See Attachment 7)

- Sign up for State WQI is still open for cover crops, no-till, and other state-wide practices.
- The 2nd round for cost-share for traditional conservation has gone out to field offices.
- We plan to have extra money available for cover crops if needed in the derecho damage areas and are still accepting applications even with the record number of applications already received.
- We are also looking at having funding available from REAP for repairing or replacing farmstead and field windbreak damage from the derecho.
- A special thank you to Mike Henderson from NRCS, NRCS and ISU staff, and Practical Farmers for gathering a lot of information and putting together best practices for recovery from the derecho.
- We plan to offer cover crop-crop insurance with RMA again in the fall.
- We did get renewal of the RCPP project with IAWA which is so important to our state.
- Working on several new RCPP applications.
- We are still hiring new and replacement staff and improving our formalized training program to follow the NRCS lead.

*Susan provided a written report in an email to Jon Hubbert after the meeting and is attached to these minutes as Attachment 7 (unrelated conversation redacted).

Jorgen Rose (Practical Farmers of Iowa)

- We have been doing outreach regarding derecho EQIP signup.
- We are providing a webinar “Economics of Cover Crops” September 18th starting at 7:00 a.m. and offered to provide the link if requested by anyone.

Steve Hopkins (DNR)

- Dale Garner is retiring at the end of the month and we are hosting an Open House on Tuesday, September 29th from 4-6pm at the state fairgrounds DNR building.

Closing Comments

Jon Hubbert stated he is looking forward to serving as the Iowa State Conservationist and working with committee members in that capacity.

Kristy Oates followed with a quick update on NRCS staffing and COVID-19 operational activities:

- Iowa has 78 of the 100 District Conservationist positions and 19 of our 25 Resource Team Lead positions filled as part of the NRCS reorganization that began this year.
- For COVID -19 operational updates, there are 23 offices in Phase 1, 56 offices in Phase 2, and 25 offices in Phase 3.

Kristy thanked everyone again for joining today and asked everyone to please let us know if there are any updates or corrections to your organizations’ representative’s contact information including e-mail addresses.

Note: the next State Technical Committee Meeting will be held at 1:00 p.m. on December 17, 2020.

Meeting adjourned at 2:24 p.m.

Attachments (1-7)

Future Meeting Dates

1:00 pm – NRCS Hugh Hammond Bennett Conference Room, 210 Walnut Street, Room 693, Des Moines

December 17, 2020

March 18, 2021-Tentative

June 17, 2021-Tentative

September 16, 2021-Tentative

**STC Attendance
September 17, 2020**

Attachment A

Last Name	First Name	Organization	Present?
Kult	Keegan	Ag Drainage Management Coalition	No
Schafer	Charlie	Agri Drain	No
Brinkmeyer	Joel	Agribusiness Assoc of Iowa	No
Richmond	Shawn	Agribusiness Assoc of Iowa	No
Lemke	Dean	Agribusiness Assoc of Iowa	No
Lundy	Sherman	BMC Aggregates	No
Stevenson	Mary Beth	Cedar Rapids Utilities	Yes
Johnson	Anna	Center for Rural Affairs	Yes
Whitaker	John	Conservation Districts of Iowa	Yes
Sarcone	Laura	Des Moines Water Works	No
Shannon	Mike	Ducks Unlimited	No
Daniels	Jason	EPA	No
DeLong	Tiffany	EPA	No
Jones	Doug	EPA	No
Nusz	Emily	EPA	No
Goettsch	Curt	FSA	No
Holcombe	Robin	FSA	No
DeJong	Amanda	FSA	Yes
Berkland	Tim	GrowMark	No
Hobart	Liz	GrowMark	No
MacKendrick	Paul	Heartland Coop	No
Kozak	Susan	IDALS	Yes
Myers	Will	IDALS	Yes
Sitzmann	Vince	IDALS	Yes
Bishop	Todd	IDNR	No
Bogenschutz	Todd	IDNR	No
Goerndt	Jeff	IDNR	No
Hickman	Brian	IDNR	Yes
Hopkins	Steve	IDNR	Yes
Montana	Jessica	IDNR	Yes
Smith	Kelly	IDNR	Yes
McGovern	Joe	INHF	Yes
McMahon	Sean	Iowa Agriculture Water Alliance	Yes
Murphy	Christina	Iowa Association of Water Agencies	Yes
Deppe	Matt	Iowa Beef	No
Fox	Cora	Iowa Cattlemen's Association	Yes
Gleason	Ben	Iowa Corn Growers	Yes
Nicholson	Jacob	Iowa Dept Homeland Security & Emerg Mgmt	No
Torbert	John	Iowa Drainage District Assoc	No
Terry	Jennifer	Iowa Environmental Council	No
Vasto	Alicia	Iowa Environmental Council	Yes
Gronstal Anderson	Ingrid	Iowa Environmental Council	No
Robinson	Rick	Iowa Farm Bureau Federation	Yes
Lehman	Aaron	Iowa Farmers Union	No
Van Dyke	Randy	Iowa Lakes Regional Water	No
Keppler	Lori	Iowa Land Improvement Contractors Assoc	No
Barnhart	Bruce	Iowa Land Improvement Contractors Assoc	No
Beck	Dave	Iowa League of RC&Ds	No
Mogler	Drew	Iowa Pork Producers	No
Shaw	Monte	Iowa Renewable Fuels Association	No
Schroeder	Aaron	Iowa Rural Water Association	No
Wolf	Roger	Iowa Soybean Assoc	Chris Hay-Substitute
Sutphin	Todd	Iowa Soybean Assoc	No
Irwin	Gretta	Iowa Turkey Organization	No
Leopold	Rich	Iowa Wildlife Federation	Yes

**STC Attendance
September 17, 2020**

Last Name	First Name	Organization	Present?
Benning	Jamie	ISU	Yes
Johnson	Brent	Labre Crop Consulting	No
Petty	Dave	Livestock Producer	Yes
Pfrimmer	Jarrett	Meskwaki Tribe	No
Schott	Kelly	Meskwaki Tribe	No
Finch	Jenna	Midwest Dairy	No
Palmer	Tim	NACD	Yes
Dyroff	Kurt	National Wild Turkey Federation	No
Heiniger	Ryan	Pheasants Forever	No
O'Connor	Matt	Pheasants Forever	No
Cook	Jamie	Pheasants Forever	No
Divan	Josh	Pheasants Forever	No
Carlson	Sarah	Prac Farmers Iowa	No
Rose	Jorgen	Prac Farmers Iowa	Yes
Glenn	John	Rathbun Rural Water Assoc	No
Braster	Marty	Rathbun Rural Water Assoc	No
Erem	Suzan	SILT Sustainable Iowa Land Trust	Yes
VandeHoef	Dustin	Spec Asst for Ag for Sen Joni Ernst	No
Farnham	Dale	State Soil Conserv & Water Qual Committee	No
Nizzi	Sarah	The Xerces Society	Yes
Hickey	Susanne	The Nature Conservancy	Yes
Jensen	Jeff	Trees Forever-Field Coord	Yes
Ramsay	Shannon	Trees Forever-Founding Pres & CEO	No
Hastings	Jeff	Trout Unlimited	No
Sexton	Mike	Twin Lakes Environmental Services LLC	No
Gannon	Mike	U of I	No
Lenz	Ward	U.S. Army Corps of Engineers	No
DiAllesandro	Andrew	U.S. Fish and Wildlife Service	Derek Weissenfluh-Substitute
Pattison	Gregg	U.S. Fish and Wildlife Service	No
Thessen	Greg	USDA National Agriculture Statistics Service	No
Leach	Darin	USDA Rural Development	No
Menke	Grant	USDA Rural Development	No
Eells	Jean C.	Women Food and Agriculture Network	No
Lange	Alan	NRCS - Eco Sci	Yes
Altheide	Lori	NRCS - Leadership Team	No
Cagle	Michael	NRCS - Leadership Team	Yes
Chase	Patrick	NRCS - Leadership Team	No
Collins	Lane	NRCS - Leadership Team	No
Derringer	Lori	NRCS - Leadership Team	No
Dettmann	Shawn	NRCS - Leadership Team	No
Fischer	Jaia	NRCS - Leadership Team	Yes
Hubbert	Jon	NRCS - Leadership Team	Yes
Johnson	Jason	NRCS - Leadership Team	No
McCall	Kevin	NRCS - Leadership Team	Yes
Oates	Kristy	NRCS - Leadership Team	Yes
Osborn	Christian	NRCS - Leadership Team	No
Paulsen	Dan	NRCS - Leadership Team	No
Klimesh	Derrick	NRCS - Leadership Team	No
Mier	Robert	NRCS - Partnerships	No
Abouali	Mustapha	NRCS - Programs	No
Brommel	Dave	NRCS - Programs	Yes
Jensen	Sindra	NRCS - Programs	No
Paulin	John	NRCS - Programs	No
Peek	William	NRCS - Programs	Yes
Young	Theresa	NRCS - Programs	Yes

Iowa NRCS Farm Bill Programs – FY20 Highlights
9/17/20

Program	Contracts / Easements	Acres	Dollars	Comment
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EQIP	981	115,069.30	\$28,629,809.00	Includes estimate of acres and dollars for 7 contracts not yet obligated
EQIP RCPP	37	10,814.70	\$1,090,597.23	Fully obligated
SubTotal	1,018	125,884.00	\$29,720,406.23	
CIG	3	NA	\$261,760.00	CIG Agreements
Total EQIP FA			\$29,982,166.23	

CSP	228	117,566.30	\$11,539,269.19	Includes estimate of acres and dollars for 23 contracts not yet obligated
CSP RCPP	32	12,100.90	\$1,739,384.00	Fully obligated
CSP Renewal	72	50,581.90	\$4,073,249.76	Fully obligated
Total	332	180,249.10	\$17,351,902.95	

Total ACEP WRE & ALE	7	1,755.00	\$10,500,000.00	Includes estimates of acres and dollars for two easements not yet obligated
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Based on surveys of county offices, CRP Signups 53, 54 and 202 have yielded approximately 20,000 offers in Iowa, which is a tremendous workload for FSA and NRCS. (A reminder that offers do not equal final contracts)

General SU54 (as of 9/16/2020)

- Accepted Offers 9562 for 267,182 acres
- Offers Approved 3285 for 79,074 acres

CCRP SU53 (as of 9/16/2020)

- Offers Approved 3163 for 20,286 acres

Both sign-up 54 and 53 approvals are ongoing, and final totals will be known in October 2020. The numbers “approved” above will grow as conservation plans are returned from NRCS and agreed to by the landowner.

SU 202 CRP Grassland:

52 counties in Iowa had 176 offers with 4686.14 acres offered. 19 offers accepted for 471.96 acres.

SHIPP Offers:

44 offers accepted so far, sign up has been extended until Nov 20th. Not every offer will become a contract, and some have opted for other options in CRP.

Derecho conservation programs

ECP and EFRP:

We have interest in both programs in counties impacted by the August 10, 2020 Derecho.

- **ECP:** Linn county has an active ECP sign up underway. Benton county has asked for ECP implantation and we are awaiting approval from DC. We currently have 7 counties considering implementation.
- **EFRP:** We have interest from 8 counties at this time, but do not have any active sign ups yet.

EQIP Subcommittee Meeting Notes
Virtual Meeting by Google Meet & Phone
Sept. 8, 2020
 1:00 pm – 2:45 pm

Members Present: Andrew Di Allesandro, USFWS; Joe McGovern, INHF; Will Myers, IDALS; Suzan Erem, SILT; Susan Kozak, IDALS; Jorgen Rose, PFI; Jamie Benning, ISU; Keegan Kult, Will Myers, IDALS; Doug Jones, EPA; Jorgen Rose, PFI; Anna Johnson, Center for Rural Affairs; Bruce Carney, producer; Dave Petty, producer; Brian Hickman, DNR; John Whitaker, CDI; Susanne Hickey, TNC; Amy Crouch, TNC; Chris Hay, Iowa Soybean Assoc; Rick Robinson, Iowa Farm Bureau; Sean McMahon, Iowa Ag Water Alliance; Bruce Barnhart; Cora Fox, Iowa Cattlemen's Association; Steve Hopkins, Iowa DNR, EQIP/CIG Subcommittee Chair

NRCS Staff advisors/assistance: Kevin Kuhn; Dave Brommel; Robert Mier; Dave Misk; Alan Lange; Mustapha Abouali, NRCS EQIP Coordinator

Meeting Notes

Soil Health Initiative:

Kevin Kuhn of NRCS presented an EQIP initiative proposal titled "Iowa's Soil Health and Water Quality Initiative for Row Crop Land", a proposal to provide 75% cost-share to producers to "bundle" a series of four soil health practices on a graduated rate scale: long term no-till (329), cover crops (340), nutrient management (590), and Crop rotation that included small grain (328). Kevin explained that the primary goal of the proposal was to advance the rate of soil health practice adoption in Iowa.

John Whitaker of CDI made a motion to adopt the proposal if producers adopted 3 of the 4 practices, and the motion was seconded by Susanne Hickey, of TNC. After more discussion, it was decided to add a 5th practice—prescribed grazing (528)—to the proposal.

To allow Kevin Kuhn time to draft the minor revisions to the original proposal, the subcommittee agreed to review the revised proposal later in the week and vote by email on the proposal.

Priority Practices:

Discussion was continued from previous subcommittee meetings about potentially selecting 10 priority practices at a 90% cost-share rate. The subcommittee agreed that the purpose of this effort was to better incentivize practices not commonly adopted in Iowa, and that it did not necessarily have to include exactly 10 practices. The subcommittee decided that any potential proposal needed to be studied more, and it was decided to ask for volunteers for a "sub subcommittee" to come up with recommendations at a later time. The following volunteered to serve on the "Priority Practice sub subcommittee": Anna Johnson, Brian Hickman, Andrew Di Allesandro, Keegan Kult, Susanne Hickey, and Suzan Erem.

Summary:

Updates were provided for the following:

Prairie STRIPS:

Alan Lange of NRCS provided a brief update that he and Omar de Kok-Mercado were collaborating on a draft technical note for the practice of prairie strips. Alan mentioned that a draft technical note would likely be ready for review late this year.

Cover Crop Cap:

Mustapha Abouali provided information on the previous 5 years of cover crop cost-share and number of acres cost-shared for cover crops. The subcommittee observed that lifting the cover crop cap coincided with more acres in cover crop cost-share and an increased amount of EQIP funding for cover crops in Iowa. The subcommittee recommends continuing with no cover crop cap for the coming year, but would like to continue monitoring the removal of the cap.

NWQI:

Mustapha Abouali provided an update on the amount of FFY20 NWQI funding obligated in the NWQI priority watersheds.

10% Wildlife Set-Aside:

Brian Hickman and Mustapha Abouali explained that the sub-subcommittee reviewed the ranking for practices eligible for the 10% Wildlife funding and reviewed how the new CART program would likely work for the wildlife practices. The subcommittee worked to elevate rankings for practices that were wildlife priorities and recommended additional points for practices that achieved multiple benefits.

Derecho Funding:

Mustapha Abouali announced that Iowa will receive \$4 million in extra EQIP funding to address damage caused by the "derecho" windstorm on August 10th. The funding would be available only in eligible counties most affected by the storm. Practices targeted with this funding included cover crops, roofs and covers, and high tunnels. The due date for applications through this program will be Oct. 2nd.

Action Steps:

The "priority practices" sub-subcommittee will be established to study and make recommendations for priority practices in Iowa.

Submitted by:

Steve Hopkins, Iowa DNR, Chair EQIP/CIG Subcommittee

EQIP Subcommittee Meeting Notes
Virtual Meeting by Email
Sept. 10-14, 2020

Kevin Kuhn's revised proposal was emailed to Steve Hopkins on Sept. 10th. Steve then forwarded the revised proposal to the entire subcommittee with a due date for review and voting of COB Monday, Sept. 14, 2020.

Steve Hopkins inquired if John Whitaker wanted to amend his motion to adopt the revised proposal, and John amended his motion. Susanne Hickey seconded the amended motion. All committee members submitted their vote via email by the requested date. The revised proposal was approved unanimously, with 20 votes in favor, and 0 votes against. Rick Robinson of Farm Bureau requested that NRCS include information for producers explaining the soil health and environmental benefits of the practices in the soil health initiative.

Recommendation: The subcommittee has approved that the Iowa Soil Health and Water Quality Initiative for Row Crop Land be recommended for adoption by the NRCS State Technical Committee.

*These minutes were modified by NRCS after submission by Steve Hopkins to reflect post September 8th discussion and action.

Iowa's Soil Health & Water Quality EQIP Initiative for Iowa's row crop lands

Objective: to encourage the adoption of management practices on Iowa's annual crop production fields that will have the greatest impact on our natural resources by creating incentives for adopting the system rather than just one of the standalone practices. A conservation system that will have greatest impact to soil health, carbon sequestration and water quality.

The following practices are targeted for this program:

- Residue and tillage management, no-till (329), *long term*
- Cover crops (340)
- Nutrient management (590)
- Conservation crop rotation (328), *adding a small grain crop to the rotation*
- Prescribed grazing (528), *grazing the cover crops*

To be in the program, producer must implement a minimum of 3 of the first 4 of the above 5 practices for a three-year period. All practices will be offered at the 75% rate.

Rules

1. Contract for 3 years. Cover crop can be up to 5 years.
2. If a practice has already been established on the tract of land the incentive rate isn't available, but it does count as one of the 3 minimum practices if it's maintained each year of the contract.
3. All practices agreed to must meet NRCS standards

EQIP scenario payments available for each practice:

(These payments are based on F.Y. 2020; F.Y. 2021 changes are expected to be minimal)

- | | | |
|--|---------------------------------|---------|
| 1. Residue and tillage management (329) | | |
| a. | a. 329-1 (No-till / Strip-till) | \$16.34 |
|
 | | |
| 2. Cover crop (340) | | |
| a. | 340-1 (single species) | \$50.75 |
| b. | 340-11 (multi species) | \$56.81 |
| c. | 340-20 (winter kill species) | \$28.10 |

Comments: can choose specific cover crop for each year, if small grain is added to the rotation a cover crop is not required before the small grain

- | | | |
|--|---|--------|
| 3. Conservation crop rotation (328) | | |
| a. | 328-1 (adding small grain or other high residue crop) | \$9.20 |

Comments: will receive the incentive each year the practice is applied (maximum of nine years in a ten-year contract) not just for the year the small grain is in place.

4. Nutrient Mgmt. (590)

a. 590-1 (no manure)	\$6.17
b. 590-4 (with manure)	\$13.29
c. 590-2 (with manure all injected)	\$25.81
d. 590-5 (precision)	\$38.53

Comment: 2.5-acre grid size or < and VRT P & K

Comments: In all scenarios the 590 standard must be met. This includes:

- Total nitrogen (based on .10 price ratio) not to exceed 152lbs following soybeans, 203lbs following corn, when using commercial fertilizer and 177lbs following soybeans, 228lbs following corn when manure is the primary source (based on .05 price ratio). The SE Iowa Region allows for higher rates.
- No P and K application on VH testing soils
- Soil loss less than 5 tons along sensitive areas
- Will receive the incentive each year *the practice is applied (maximum of nine years in a ten-year contract)* not just for the year the fertilizer is applied.

In addition, the participant must complete (2) of the following:

- Apply N in-season – including a split application - according to ISU PM1714 “Nitrogen Fertilizer”.
- Utilize legumes other than soybeans in rotation.
- Fall stalk tissue test (PM-1584), maximum of 40 acres / sample
- Late-Spring Soil Nitrate Soil Test, maximum of 40 acres / sample
- Apply manure at P based rates according to PM-1688
- Variable rate N based on MAP or DAP application
- Use a slow release N such as a polymer coated urea (ex. ESN)
- Use N stabilizer (nitrapyrin) with fall applied anhydrous ammonia
- Apply manure with low disturbance method in a disturbance strip less than 6” wide, minimum of 30 inch spacing when following with a NT crop.
- Apply nitrogen below ground with low disturbance method when following with a NT crop.

5. Prescribed Grazing (528)

a. 528-4 (strip grazing, move minimum of every 3 days)	\$52.44
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Comments: Grazing plan is required for a 528 payment.

FFY20 CIG Application Review Meeting
Virtual Meeting by Zoom
July 9, 2020
9:30 am-11:15 am

CIG Subcommittee Members Present: Joe McGovern, INHF; Suzan Erem, SILT; Susan Kozak, IDALS; Gregg Pattison, USFWS; Andrew De Allesandro, USFWS; Jamie Benning, ISU; Omar de-Kok Mercado, ISU; Christina Murphy, Iowa Assoc. of Water Agencies; John Whitaker, CDI; Steve Hopkins, Iowa DNR, EQIP/CIG Subcommittee Chair

NRCS Staff: Dave Misek; Judy Martinson; Mustapha Abouali; Robert Mier; Scott Cagle

Meeting Notes

(Notes compiled by Suzan Erem, SILT, and Steve Hopkins, DNR)

Summary: The CIG subcommittee reviewed the seven eligible FFY20 state Conservation Innovation Grant (CIG) applications. For the review process, reviewers provided written scores and comments to NRCS for each application in advance of the meeting, and reviewers offered verbal comments for each application at the review meeting. Written scores and written comments were compiled on a spreadsheet by NRCS.

After each application was discussed, and after the group reviewed the average written scores, it was determined that the top 5 ranked application requests could be funded with Iowa's FFY20 CIG allocation of \$350,000. After discussion, the subcommittee agreed to make the recommendation to the State Conservationist to fund the top 5 applications (there was a three-way tie in scores between applications #3, #4, and #5 below).

Recommendations:

The 5 recommended applications and scores were as follows:

- 1) Iowa Soybean Association, "Soil Health Test Interpretation Portal": \$71,705
- 2) Soil and Water Conservation Society, "Soil Health through Retailer Cooperatives": \$91,685
- 3) Tie: Practical Farmers of Iowa, "Regenerating Ag Working Lands": \$43,324
- 4) Tie: SILT, "Cashflowing Silvopasture": \$99,000
- 5) Tie: Trees Forever, "Pollinator Plus": \$43,036

Total Amount Requested with 5 Applications: \$348,750

Application Summary Comments:

(Below are brief summaries of verbal comments offered on each application during the review meeting)

ISA proposal – one of the more innovative proposals of the batch. Online tool is good, reliable data they can find on their own. One issue – transferability – how many farmers are willing to sit in front of a complex SHT and input data. Minor. Strong purpose and goal statement, as a mechanism to expand cover crop adoption, innovative. Open to all

FFY20 CIG Application Review Meeting Notes, July 9, 2020

farmers, important for public funds. Does ISA have the ability to fund this on its own or is it innovative enough that we can justify using public funds? Given the potential for reaching a lot of farmers and acres, it's warranted. But Tool space is getting a little crowded – yet another tool. Is that the solution to barriers? Especially if complex. But not a major downfall. What about variability of cover crops? Fits in with precision ag.

PFI – Soil Health – Consensus on lack of innovation. One comment on lack of ability to show measurable results. One or two positive comments, but still agree lacks innovation. Chair agrees the group would not rank this highly.

PFI – Regenerative Ag – For Habitat but no mention of tree species or wildlife trying to benefit, opposition to using non-native trees in the name of wildlife habitat, planting trees in a pasture can be detrimental to wildlife depending on what you're trying to benefit. Diversity of partnerships, also addresses concerns beyond habitat, these are good. Middle of the road, alternative ideas, new ideas. Not sure enough thought was put into the challenges Latino farmers would face or what interest there is in that community to do this kind of farming. But introducing that community to this project provides opportunity for growth in that community. Not clear how the Latino connection fits into this application. Some things are missing. And not clear how it's a habitat proposal, seems more soil health. Some innovation regarding adding livestock at different times.

Rodale – Seemed overly vague. Some terms were used quite a bit but never explained. Where would the organic matter come from? The questions it's addressing are important, but not a good fit for CIG. Doesn't seem to be something NRCS could roll out and use. Two or more people say they scored it higher than they would've after re-reading and hearing comments. Not sure it's transferrable. Decreasing the time to get to soil health was a positive.

SILT – Cashflowing Agroforestry – Liked the silvopasture idea, addressing some of the deed and easements, and some of the hurdles, in the middle but higher. Confused if this was soil health or habitat. Not a lot of new technology on the ground, but good use of NRCS programs, innovative. Nothing on habitat. Project management side – primary burden on a half time agroforestry position. Didn't know how likely they could hire a half time person who'd be qualified, not already established. A pretty big hurdle for that person to spearhead. Purpose and objectives – a lot of merit there to this. Really like exploring these different models, to see what others are doing, combining public and private sector, but echo other comments about habitat. Obstacles and public and private partners good – this addresses a gap in information in Iowa. Addressing those is innovative. Another area that needs more detail – outreach. How to use the case studies, connecting with SWCD but not how.

SWCS – Advancing Soil health through Retailer Co-ops – not a lot of innovation, but potential for high impact. NRCS is promoting going through Retailers nationally as a good way to reach producers. General consensus is good. Some question about transferability – will it go over to other co-ops and retailers? Liked public-private sector bridge. Are we paying a private company with public funds? Not an issue, according to Judy. Overall, liked but had some reservations. In general we need to have retailers on board with cover crops assuming that info is unbiased and professional. Shortcoming –

no till is adopted less on hilly ground is a misinterpretation of the 2018 Rural Life poll. Would hope the way this is carried out that it provides for a long enough term of on farm research that if there are cover crop failures, the private agronomist doesn't say "See? Cover crops don't work." Overall, favorable. Need to build trust between retailers and NRCS. More detail needed on what soil tests are planned. And concerns about what tests are taken it's a short timeline to measure changes in soil parameters so the chance of seeing a lot of change is low.

Trees Forever – Creating a Buzz plus Agroforestry – Steve H. has a potential conflict so is not scoring. Builds on another successful initiative. Toolkit, buckets, thought it was creative. Don't like that there's no mention of natives. It can take years to get habitat started much less established. Liked concept of using field days and demonstrations in different ways – a variety. Concern about target audience and what are you doing for habitat? What's innovative about this technique? Is this for farmers or for kids? Metrics for evaluating success were not convincing. Overall not innovative. The train the trainer idea was positive. Good to have people in NRCS offices who are trained on pollinators, much needed. How do you get more successful establishment or how are you changing this practice to get the habitat?

Below are the average scores from the review committee for each application:

Scores:

ISA – 86 -	#1
SWCS – 84	#2
PFI – Regen Ag – 78	#3 (tie)
SILT – 78	#3 (tie)
Trees Forever – 78	#3 (tie)

PFI – Soil Health – 75

Rodale – 75

Adjourn: Meeting adjourned at 11:15 am.

Submitted by:

Suzan Erem, SILT

Steve Hopkins, Iowa DNR, Chair EQIP/CIG Subcommittee

Iowa Conservation Stewardship Program Subcommittee
September 15, 2020

Attending: Anna Johnson & Kate Hansen CFRA, Jorgen Rose PFI, Kate Bussanmas IDALS, Darrick Wiesenfluh FWS, Alicia Vasto IEC, Todd Bogenschutz IA-DNR, Rick Robinson IFB, Amanda DeJong FSA

NRCS: Jon Hubbert, David Brommel, Mustapha Abouali, William Peek

Notes

- Admin – Jorgen Rose & Kate Hansen have agreed to handle committee business in January – March 2021 while Anna Johnson is out.
- Review overview of CART ranking process for CSP
 - 2020 CSP application status: 260 applications funded, 418 unfunded
 - Five categories in CART system that feed into ranking: Vulnerabilities, Planned Practice Points, Resource Priorities, Program Priorities, Efficiency.
 - The categories of Resource Priorities and Program priorities both rely on ranking questions that address how many Priority Resource Concerns the producer is meeting when they apply and will meet by the end of the contract.
 - The category of Efficiency is based on the cost and lifespan of a practice/enhancement and how effective it is in treating a Resource Concern.
- Review the priority resource concerns
 - General support from the group to keep the priority resource concerns that we selected last year, but upon discussion had one small change to recommend.
 - For Ag Land, having Livestock Production Limitation as a PRC meant that CSP contract holders applying for renewal faced some eligibility issues if they did not have livestock. Eligibility for renewal is based on which additional PRC's the producer will meet, or how they will increase the ways they are meeting the PRC's of their first contract.
 - Jorgen – motion to for the Priority Resource Concerns for Ag Land Renewals to replace Livestock Production Limitation with Soil Quality Limitations. Alicia second. Motion passes.
- Review the ranking questions
 - Discussed applications in ranking pools.
 - Overall have \$17.3 million this year for CSP applications across all ranking pools.
 - Ranking pools of Ag Land-Classic, Ag Land - Beginning, Non-Industrial Private Forest-Classic, Source water Protection had unfunded applications. Over 400 applications were unfunded. Other ranking pools, such as organic and Historically Underserved, did not have unfunded applications.
 - Ranking questions were pretty consistent across ranking pools and were weighted differently only when additional questions specific to the ranking pool were required.

- Upcoming signups & wrap-up
 - New fiscal year starts October 1. Producers can apply anytime. Signup deadline not yet set, but hoping for January.
 - No final rule on CSP yet.
 - Some updates on NRCS manuals have happened.
 - Interest in a demonstration of how CART works, noting PII considerations.

To: Kristy Oates, Acting Iowa State Conservationist

From: Source Water Protection Subcommittee Members

Date: September 16, 2020

RE: FY 21 High Priority Areas for Source Water Protection

NRCS issued a National Bulletin on June 1st refining source water local priorities for fiscal year 2021. There were several key items in that bulletin that were important to defining source water protection priority areas.

- 1) Should represent no more than 20% of the total land of state (Iowa 2019 priority areas were more than 20% with eligible areas included)
- 2) Will be delineated using HUC12 watershed boundaries (significantly different than how Iowa 2019 groundwater priority areas were recommended)
- 3) Selected HUC12s will be attributed with data indicating the type of water source addressed and the potential threats (while this was part of the subcommittee evaluation, this data had not been submitted in 2019)
- 4) Consideration should be given to state/utility SWPA delineation or EPA delineated SWP areas

As a result of the significant amount of changes that would be needed to the 2019 recommendation, the sub 'sub' committee was reconvened to make a recommendation to the full subcommittee to bring us into compliance with the new bulletin. There were concerns about the EPA delineated areas not being accurate. Iowa is now working with EPA to update those areas and that data was not exclusively used in determining source water protection priority areas as a result of that concern. Hopefully in future years, the database in Iowa and EPA will align more closely.

Concerns were raised if the entire HUC12 were included where there was a groundwater SWP area, then there might not be priority given to the specific capture zone area which would not be as effective. The sub 'sub' committee worked with NRCS at the state and national level to get approval to use a GIS based layer to help give higher priority ranking to applications delineated source water protection areas within the HUC 12.

The priority areas include all priority areas outlined in 2019 (but not eligible). In addition to maximize the 20% acres that could be designated, HUC12s that had a TMDL were added.

The full subcommittee met on September 10th to review the Priority Area Recommendations and are in full support of the following recommendation to the State Conservationist.

Recommendations from the Source Water Protection Committee

- The SWP committee is still recommending that 55% of funds be distributed to the protection of groundwater sources and groundwater-influenced sources, as defined by the 2018 Iowa Drinking Water Compliance Report. 45% will be distributed to surface or surface influenced groundwater sources. If available funds are not able to be used in one priority area, additional applications could be funded in the other category until all funding sources are exhausted. Groundwater applications outside the wellhead protection area but within the HUC 12 should be given a lower ranking than those surface priority areas. The committee believes there is still benefit to practices outside the wellhead protection area but at a lower ranking than our surface water priority areas.
- All groundwater priority systems are outlined and have approved Phase 2 plans or are a high nitrate community water system (>5 mg/l). Applications within a groundwater wellhead protection area (outlined in blue) should be prioritized within the Iowa Ranking process over applications outside this area within the priority HUC12 to help ensure funds are being targeting where they will have the most impact. This can be done by a GIS layer that has been developed for this use.
- All surface or surface influenced priority HUC12s have approved watershed management plans or have TMDL Water Quality Improvement Plans
- The three surface priority areas shown on the map should receive the same priority ranking. They are color coded to show the HUC12s associated with a TMDL
- The source water protection subcommittee would like to recommend to the State Conservationist that they allow 75% cost share initiative for eligible conservation practices that will address source water protection as outlined in the proposal.
- The attached listing of approved practices is unchanged from 2019 and continue to be the recommendation of the subcommittee.
- The attached map outlines the Source Water Protection Areas Priority HUC12s

Enclosures

- Map & Itemized list - NRCS SWPA Priority HUC12s
- Recommended Practices specific to source water and drinking water systems

Full Source Water Protection Committee Members:

Jessica Montana	Iowa DNR, SWP Program Coordinator	jessica.montana@dnr.iowa.gov
Christina Murphy*	West Des Moines Water Works, Iowa Association of Water Agencies	christina.murphy@wdmww.com
Brent Johnson	Labre Crop Consulting, farmer	brent@gpssoilsampling.com
Bridget Durst*		badurst@gmail.com
Aaron Schroeder	IRWA, Source Water Protection	aschroeder@iowaruralwater.org
Bill Simpkins	ISU, Professor, Dept. of Geological and Atmospheric Sciences	bsimp@iastate.edu

David Brommel	NRCS	david.brommel@usda.gov
Jim Jordahl	Iowa Ag Water Alliance	jjordahl@iowaagwateralliance.com
Jon Hubbert	NRCS Assistant State Conservationist	jon.hubbert@usda.gov
Jason Johnson	NRCS	Jason.r.johnson@usda.gov
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Laura Sarcone	Des Moines Water Works, Iowa Section American Water Works Association	sarcone@dmww.com
Sindra Jensen	NRCS	sindra.jensen@usda.gov
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Alicia Vasto	Iowa Environmental Council	vasto@iaenvironment.org
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Chad Fields	Iowa DNR, Geologist 3, Water Supply	chad.fields@dnr.iowa.gov
Stephen Hopkins	Iowa DNR, Nonpoint Source Coordinator	stephen.hopkins@dnr.iowa.gov
Allen Bonini	Iowa DNR, Watershed Improvement Program Supervisor	allen.bonini@dnr.iowa.gov

*Co-chairs

Sub "sub" committee members included:

- Aaron Schroeder, Iowa Rural Water Association
- Allen Bonini, IDNR, Watershed Improvement
- Chad Fields, IDNR Source Water Protection
- Christina Murphy, West Des Moines Water Works, representing Iowa Association of Water Agencies
- Jessica Montana, IDNR, Source Water Protection
- Jon Hubbert, NRCS
- Laura Sarcone, DMWW, representing Iowa Section American Water Works Association
- Marty Braster, Rathbun Regional Water & Iowa Association of Water Agencies
- Steve Hopkins, IDNR, Nonpoint Source Coordinator

NB 300-20-37 LTP – Refining Source Water Protection Local Priorities for Fiscal Year (FY) 2021

National Bulletin: 300-20-37 **Date:** June 1, 2020
Subject: LTP – Refining Source Water Protection Local Priorities for Fiscal Year (FY) 2021

Action Required By: September 30, 2020

Purpose. To further refine the source water protection local priorities that states submitted in FY19. A consistent approach and standardized database will be used in FY21 to identify the high priority areas within the local priorities that states submitted in FY19. State conservationists (STCs) and directors of the Caribbean and Pacific Island Areas will work with drinking water partners to identify these high priority areas for source water protection and the associated potential threats (water quality or aquifer depletion).

Expiration Date. September 30, 2020

Background. The 2018 Farm Bill amends the Food Security Act of 1985, Section 1244, the administrative provisions for conservation programs, to add a provision providing for the protection of source water through targeting conservation practices. This provision, 1244(n), provides that the Secretary must encourage the protection of drinking water sources through the following methods:

- Identifying local priority areas for drinking water protection in each State. This is done in collaboration with State technical committees and community water systems and may address concerns about either the quality or quantity of source water or both.
- Providing increased incentives for practices that relate to water quality and quantity and protect drinking water sources while also benefitting producers.
- Dedicating at least 10 percent of the total funds available for conservation programs (excluding CRP), each year beginning in FY 2019 through FY 2023, to be used for source water protection.

Explanation. In response to NB-300-19-25, states submitted local priorities for source water protection as a first step in complying with the Farm Bill provision for source water protection. These local priority areas were selected in collaboration with community water systems and the State Technical Advisory Committee (STAC). STCs used a variety of approaches to identify these priorities, so there were significant differences in level of targeting and size of areas selected across all states. STCs will use the guidance below, along with the attached spreadsheet, to select the high priority areas, based on HUC12 watersheds, as a refinement of local priorities submitted in FY19. This will ensure a more consistent approach and allow maps of source water priorities to be shared with the public.

High Priority Areas

STCs working with the State technical committee, public water utilities and the State drinking water agency will determine **which** local priority areas submitted in FY19 will be considered as the “high priority” for targeted implementation to address source water threats.

High priority areas will be selected based on high risk factors as described in this section and will have the following characteristics:

- Should represent no more than 20% of total land area of state
- Will be delineated using HUC12 watershed boundaries
- Selected HUC12s will be attributed with data indicating the type of water source addressed (surface, ground) and the potential threats (water quality, aquifer depletion).
- Selected with consideration for state/utility SWPA delineations and for EPA’s density data for location and extent of SWPAs provided in their drinking water database (described below).

The following risk factors should be considered when selecting these areas where agricultural landuses may impact source water:

- Nutrients, sediment, pathogens, pesticides – identified water quality resource concerns at watershed/area scale
- Reported or likelihood of Harmful Algal Blooms (HABs)
- Water system violations
- Size of population served by SWPAs
- Ground water systems served by an aquifer designated as “sole source”
- Known areas of aquifer depletion or ground water management areas
- Other risks that may impact source water:
 - o Karst geology
 - o Highly erodible soils
 - o Degraded habitat

- o Degraded habitat
- o Livestock access to surface water
- o Wildfire risk
- Opportunity to address risks to source water and as well as related resource concerns
 - o Impaired surface waters
 - o Aquatic habitat

The following EPA source water protection area spatial data are available for states to consider in selecting high priority areas:

- Wellhead protection areas (ground water systems):

<https://epa.maps.arcgis.com/home/item.html?id=068fa5fa5f63465eb908374ae8da353a>

- Source water protection areas (surface systems):

<https://epa.maps.arcgis.com/home/item.html?id=c95164e0e40a48888c9b9520a521eb50>

These data represent the density of source water protection areas aggregated at the HUC12 scale (% of the HUC12 in a source water protection area). These data are a good representation of the source water protection areas modeled by EPA and that NRCS is using to track the 10% of conservation program funding. States should focus on HUC12s with the greatest density of SWPAs to incorporate into high priority areas, where possible.

Areas selected should be a subset of the local priorities previously selected and should represent, as a target, no more than 20% of the state land area. Selections will be made based on HUC12s. For each HUC12 selected, the type of systems addressed (ground or surface water) and the source water threat (water quality or aquifer depletion) must be included. The SWPA assessments or protection plans for each water system (as required in the Safe Drinking Water Act) should be the basis to identify the source water threat(s). States will use the spreadsheet "Source Water Local Priority Refinement" located at:

Source Water Protection FB 2018 High Priority Areas

to make the selection of HUC12s that will represent the high priority areas.

If current local priorities meet the guidance above, states may use their current local priorities as the "high" priorities but will need to add the additional attributes to the database and identify by HUC12. States do not have to identify areas beyond the "high priority" areas (i.e. if states provided very targeted local priorities in FY19 that represent the "high" priority HUC12s, they do not have to identify additional areas for source water protection). Some states submitted local priorities in FY19 that included different priority levels. If so, states may use the highest priority level or "tier" from the FY19 submission but will need to assure those areas are selected in the spreadsheet based on HUC12.

States may choose to modify their original local priorities at this time. In this case, they should use HUC12s to submit modifications. Local priority area modifications should be submitted on the designated tab in the spreadsheet.

How the Source Water Areas Will Be Used

Local priority areas that states submitted in FY19, in general, represent a larger/broader extent where agricultural land uses may impact source water protection areas or areas contributing to source water.

- These areas should be considered in planning and ranking to address source water protection.
- NRCS will track implementation related to source water protection for local priorities.

High priority areas - "high priority" areas that states will select have elevated risk or greater need to address threats to source water.

- o These areas need focused outreach and implementation and should receive higher ranking for source water protection. States may develop a separate ranking pool for source water protection based on these areas.

- o These areas will be the target for the source water high priority practices with increased payment.
- o NRCS will track implementation related to source water protection for these "high priority" areas.

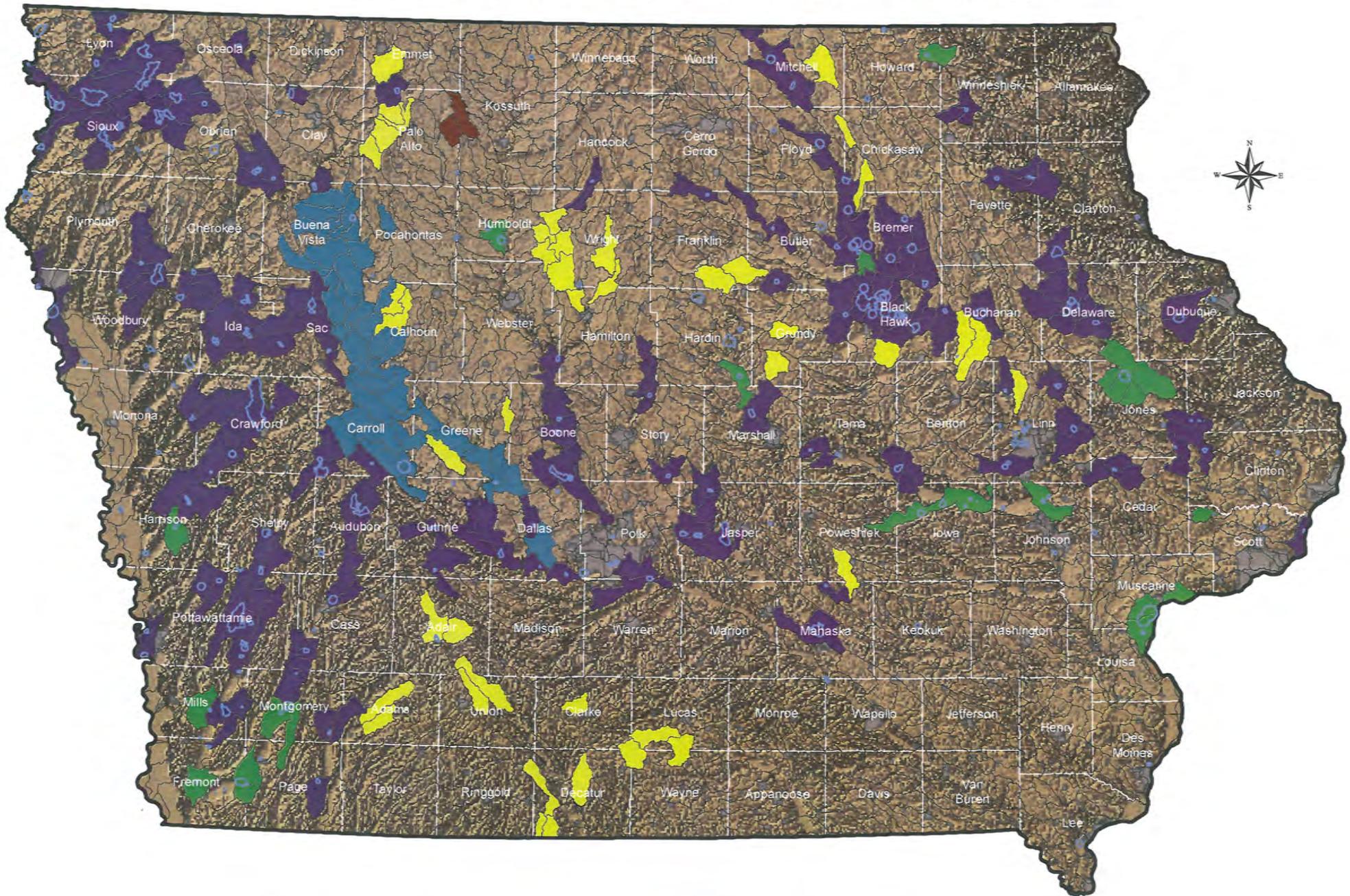
Please provide the high priority source water protection areas (HUC12s) and any modifications to the original local priorities on the "Source Water Local Priority Refinement" spreadsheet to Dee Carlson (dee.carlson@usda.gov) by September 30, 2020. Please assure that the most current WBD dataset for HUC12 is used, and the additional requested attributes have been included in the spreadsheet for selected HUC12s.

Contact. For additional information or clarification, please contact Dee Carlson, Areawide Planning Branch, at dee.carlson@wdc.usda.gov or (202) 720-5287.

/s/

JIMMY BRAMBLETT
Deputy Chief for Programs

DRAFT NRCS SWPA PRIORITY HUC12s



□ Non-Priority

HUC12 Priority Category

■ Eligible Groundwater - High Nitrate CWS

■ Priority Groundwater w/Phase2

■ Priority Surface Water - DMRTMDL

■ Priority Surface Water - RRTMDL

■ Priority Surface Water



Iowa NRCS Source Water Protection Practices – FY -2020

Practice Name	Practice Code
Access Control	472
Agrichemical Handling Facility	309
Alley Cropping	311
Bedding	310
Conservation Cover	327
Conservation Crop Rotation	328
Constructed Wetland	656
Cover Crop	340
Critical Area Planting	342
Dam	402
Denitrifying Bioreactor	605
Filter Strip	393
Forage and Biomass Planting	512
Grade Stabilization Structure	410
Grassed Waterway	412
Integrated Pest Management	595
Irrigation Ditch Lining	428
Irrigation Land Leveling	464
Irrigation Reservoir	436
Irrigation Water Management	449
Livestock Shelter Structure	576
Mulching	484
Nutrient Management	590
On-Farm Secondary Containment Facility	319
Open Channel	582
Pond	378
Pond Sealing or Lining, Flexible Membrane	521A
Prescribed Grazing	528
Residue and Tillage Management, No-Till	329
Riparian Forest Buffer	391
Riparian Herbaceous Cover	390
Saturated Buffer	604
Sediment Basin	350
Short Term Storage of Animal Waste and Byproducts	318
Silvopasture Establishment	381
Sprinkler System	442
Stormwater Runoff Control	570
Streambank and Shoreline Protection	580
Subsurface Drain	606
Terrace	600
Tree/Shrub Establishment	612
Underground Outlet	620
Vegetated Treatment Area	635
Waste Facility Closure	360
Waste Storage Facility	313
Waste Transfer	634
Waste Treatment	629
Waste Treatment Lagoon	359
Water and Sediment Control Basin	638
Watering Facility	614
Well Decommissioning	351
Wetland Creation	658
Wetland Enhancement	659
Wetland Restoration	657
Windbreak/Shelterbelt Establishment	380
Windbreak/Shelterbelt Renovation	650

HUC_8	HUC_10	HUC_12	ACRES	NCONTRB_A	HU_10_GNIS	HU_12_GNIS	HU_10_NAME	HU_10_MOD	HU_10_TYPE	HU_12_NAME	HU_12_MOD	HU_12_TYPE	META_ID	STATES	IGS_name	SWP_Rank
7060002	706000202	070600020202	22562	0			Cold Water Creek-Upper Iowa River	NM	S	Silver Creek	NM	S	IA01	IA	Silver Creek-Minor Creek	EligibleGWHighNitrate
7060003	706000306	070600030603	34090	0			Little Maquoketa River	TF	S	Upper Little Maquoketa River	TF	S	IA01	IA	Upper Little Maquoketa River	PriorityGW
7060004	706000403	070600040306	12953	0			Headwaters Turkey River	NM	S	Wonder Creek	NM	S	IA01	IA	Wonder Creek	PriorityGW
7060004	706000403	070600040308	18008	0			Headwaters Turkey River	TF	S	Burr Oak Creek-Turkey River	TF	S	IA01	IA	Turkey River-Burr Oak Creek	PriorityGW
7060004	706000406	070600040605	18421	0			Volga River	NM	S	Cox Creek	TF	S	IA01	IA	Cox Creek	PriorityGW
7060004	706000407	070600040706	30213	0			Otter Creek-Turkey River	TF	S	Otter Creek	TF	S	IA01	IA	Otter Creek-Glovers Creek	PriorityGW
7060004	706000407	070600040707	13495	0			Otter Creek-Turkey River	NM	S	Bell Creek-Turkey River	TF	S	IA01	IA	Turkey River-Bell Creek	PriorityGW
7060004	706000407	070600040708	31169	0			Otter Creek-Turkey River	TF	S	Beaver Creek-Turkey River	TF	S	IA01	IA	Turkey River-Beaver Creek	PriorityGW
7060006	706000601	070600060101	10454	0			Plum Creek	TF	S	Penn Creek	TF	S	IA01	IA	Penn Creek	PriorityGW
7060006	706000602	070600060203	18941	0			Headwaters Maquoketa River	NM	S	Fenchel Creek-Maquoketa River	IT,TF	S	IA01	IA	Maquoketa River-Fenchel Creek	PriorityGW
7060006	706000602	070600060205	17698	0			Headwaters Maquoketa River	TF	S	Honey Creek	DM,IT,TF	S	IA01	IA	Honey Creek-Maquoketa River	PriorityGW
7060006	706000602	070600060206	30017	0			Headwaters Maquoketa River	NM	S	Sand Hagen Creek-Maquoketa River	DM,IT,TF	S	IA01	IA	Maquoketa River-Sand Hagen Creek	PriorityGW
7060006	706000602	070600060207	35609	0			Headwaters Maquoketa River	TF	S	Coffins Creek	TF	S	IA01	IA	Coffins Creek	PriorityGW
7060006	706000602	070600060208	15869	0			Headwaters Maquoketa River	NM	S	Sand Creek	NM	S	IA01	IA	Sand Creek-Maquoketa River	PriorityGW
7060006	706000602	070600060209	11963	0			Headwaters Maquoketa River	TF	S	Spring Branch	TF	S	IA01	IA	Spring Branch	PriorityGW
7060006	706000602	070600060210	34673	0			Headwaters Maquoketa River	TF	S	Allison Creek-Maquoketa River	TF	S	IA01	IA	Maquoketa River-Sand Creek	PriorityGW
7060006	706000603	070600060302	17460	0			Bear Creek	TF	S	Beers Creek	TF	S	IA01	IA	Beers Creek	PriorityGW
7060006	706000603	070600060303	26981	0			Bear Creek	TF	S	Rat Run-Bear Creek	TF	S	IA01	IA	Bear Creek-Rat Run	PriorityGW
7060006	706000604	070600060403	10711	0			Mineral Creek-Maquoketa River	TF	S	Deer Creek	TF	S	IA01	IA	Deer Creek-Maquoketa River	EligibleGWHighNitrate
7060006	706000604	070600060404	15924	0			Mineral Creek-Maquoketa River	NM	S	West Kitty Creek	TF	S	IA01	IA	West Kitty Creek	EligibleGWHighNitrate
7060006	706000604	070600060405	16737	0			Mineral Creek-Maquoketa River	NM	S	Kitty Creek	TF	S	IA01	IA	Kitty Creek	EligibleGWHighNitrate
7060006	706000604	070600060406	29166	0			Mineral Creek-Maquoketa River	TF	S	Cline Creek-Maquoketa River	TF	S	IA01	IA	Maquoketa River-Cline Creek	EligibleGWHighNitrate
7060006	706000604	070600060408	38631	0			Mineral Creek-Maquoketa River	NM	S	Jordan Creek-Maquoketa River	TF	S	IA01	IA	Maquoketa River-Jordan Creek	EligibleGWHighNitrate
7060006	706000605	070600060501	28496	0			Whitewater Creek	TF	S	Curran Creek-Whitewater Creek	TF	S	IA01	IA	Upper Whitewater Creek	PriorityGW
7080101	708010104	070801010402	20956	0			Spencer Creek-Mississippi River	LE,TF	S	Cordova Slough-Mississippi River	LE,IT,TF	M	IA01	IA,IL	Mississippi River-Rock Creek	PriorityGW
7080101	708010104	070801010404	22371	0			Spencer Creek-Mississippi River	NM	S	McCarty Creek-Mississippi River	TF	S	IA01	IA,IL	Mississippi River-McCarty Creek	PriorityGW
7080101	708010106	070801010605	38722	0			Pine Creek-Mississippi River	TF,LE	S	Fourth Slough-Mississippi River	TF,LE	S	IA01	IA,IL	Mississippi River-Mad Creek	EligibleGWHighNitrate
7080101	708010107	070801010701	18165	0			Muscatine Slough-Mississippi River	TF	S	Upper Muscatine Slough	LE,TF	S	IA01	IA	Upper Muscatine Slough	EligibleGWHighNitrate
7080101	708010107	070801010702	25946	0			Muscatine Slough-Mississippi River	LE,TF	S	Lower Muscatine Slough	LE,TF	S	IA01	IA	Lower Muscatine Slough	EligibleGWHighNitrate
7080102	708010204	070801020401	30711	0			Crane Creek	TF	S	Upper Crane Creek	TF	S	IA01	IA	Upper Crane Creek-Wapsipinicon River	PriorityGW
7080102	708010204	070801020402	18988	0			Crane Creek	TF	S	Middle Crane Creek	TF	S	IA01	IA	Middle Crane Creek-Wapsipinicon River	PriorityGW
7080102	708010204	070801020403	15563	0			Crane Creek	IT,TF	M	Lower Crane Creek	IT,TF	M	IA01	IA	Lower Crane Creek-Wapsipinicon River	PriorityGW
7080102	708010206	070801020602	22208	0			Etter Creek-Wapsipinicon River	LE,IT,DM,TF	S	Village of Tripoli-Wapsipinicon River	LE,IT,DM,TF	S	IA01	IA	Wapsipinicon River-East Branch Wapsipinicon River	PriorityGW
7080102	708010206	070801020603	21106	0			Etter Creek-Wapsipinicon River	IT,TF	M	Bruggeman County Park-Wapsipinicon River	IT,TF	M	IA01	IA	Wapsipinicon River-Crane Creek	PriorityGW
7080102	708010208	070801020803	39106	0			Pine Creek-Wapsipinicon River	TF	S	Malone Creek-Wapsipinicon River	TF	S	IA01	IA	Wapsipinicon River-Malone Creek	PriorityGW
7080102	708010210	070801021002	24613	0			Heatons Creek-Wapsipinicon River	NM	S	Heatons Creek-Wapsipinicon River	TF	S	IA01	IA	Wapsipinicon River-Heatons Creek	PriorityGW
7080103	708010301	070801030102	13760	0			Walnut Creek	TF	S	Pioneer Creek	TF	S	IA01	IA	Pioneer Creek	PriorityGW
7080103	708010304	070801030401	27314	0			Yankee Run-Wapsipinicon River	TF	S	Plum Creek-Wapsipinicon River	TF	S	IA01	IA	Wapsipinicon River-Plum Creek	PriorityGW
7080103	708010304	070801030402	15900	0			Yankee Run-Wapsipinicon River	TF	S	City of Lost Nation	TF	S	IA01	IA	Drainage Ditch 11-Wapsipinicon River	PriorityGW
7080103	708010304	070801030408	10212	0			Yankee Run-Wapsipinicon River	TF	S	Walnut Creek	TF	S	IA01	IA	Walnut Creek-Wapsipinicon River	EligibleGWHighNitrate
7080105	708010504	070801050401	23582	0			Keigley Branch-South Skunk River	TF	S	Long Dick Creek	TF	S	IA01	IA	Long Dick Creek	PriorityGW
7080105	708010504	070801050403	18510	0			Keigley Branch-South Skunk River	TF	S	Bear Creek	TF	S	IA01	IA	Bear Creek-South Skunk River	PriorityGW
7080105	708010507	070801050702	29869	0			Clear Creek	TF	S	Mud Creek-Clear Creek	TF	S	IA01	IA	Clear Creek-Mud Creek	PriorityGW
7080105	708010508	070801050801	23004	0			Indian Creek	TF	S	Rock & Calamus Creeks-Indian Creek	TF	S	IA01	IA	Indian Creek-Rock Creek	PriorityGW
7080105	708010508	070801050805	20175	0			Indian Creek	TF	S	Turkey Creek-Indian Creek	TF	S	IA01	IA	Indian Creek-Turkey Creek	PriorityGW
7080105	708010509	070801050907	15698	0			Sugar Creek-South Skunk River	TF	S	Squaw Creek	TF	S	IA01	IA	Squaw Creek-South Skunk River	PriorityGW
7080105	708010509	070801050908	24905	0			Sugar Creek-South Skunk River	IT,TF	S	Sugar Creek-South Skunk River	IT,TF	S	IA01	IA	South Skunk River-Sugar Creek	PriorityGW
7080105	708010511	070801051103	34327	0			Cherry Creek-South Skunk River	IT,TF	S	Severs Creek-South Skunk River	IT,TF	S	IA01	IA	South Skunk River-Severs Creek	PriorityGW
7080105	708010512	070801051203	34731	0			Buckley Creek-South Skunk River	TF	S	Spring Creek-South Skunk River	LE,TF	S	IA01	IA	South Skunk River-Spring Creek	PriorityGW
7080106	708010604	070801060402	24557	0			Buck Creek-North Skunk River	TF	S	Moon Creek	TF	S	IA01	IA	Moon Creek	PrioritySW
7080106	708010604	070801060403	15320	0			Buck Creek-North Skunk River	NM	S	Village of New Sharon-North Skunk River	TF	S	IA01	IA	North Skunk River-Buck Creek	PriorityGW
7080201	708020105	070802010505	22890	0			Otter Creek-Cedar River	TF	S	Town of Otranto-Cedar River	TF	S	MN01	IA,MN	Cedar River-Otter Creek	PriorityGW
7080201	708020106	070802010601	14488	0			Rock Creek-Cedar River	TF	S	Turtle Creek	TF	S	IA01	IA	Turtle Creek	PriorityGW
7080201	708020106	070802010602	25744	0			Rock Creek-Cedar River	NM	S	Spring Creek	TF	S	IA01	IA	Spring Creek-Upper Cedar River	PriorityGW
7080201	708020106	070802010605	36975	0			Rock Creek-Cedar River	TF	S	Sugar Creek-Cedar River	TF	S	IA01	IA	Cedar River-Sugar Creek	PriorityGW
7080201	708020108	070802010802	31159	0			Burr Oak Creek-Little Cedar River	TF	S	Beaver Creek-Little Cedar River	TF	S	IA01	IA	Little Cedar River-Burr Oak	PrioritySW
7080201	708020109	070802010901	11089	0			Little Cedar River	TF	S	Beaver Creek	TF	S	IA01	IA	Beaver Creek-Little Cedar River	PrioritySW
7080201	708020110	070802011003	19733	0			Gizzard Creek-Cedar River	NM	S	Stewart Creek-Cedar River	TF	S	IA01	IA	Cedar River-Stewart Creek	PriorityGW
7080201	708020110	070802011005	22001	0			Gizzard Creek-Cedar River	TF	S	Bloody Run-Cedar River	TF	S	IA01	IA	Cedar River-Bloody Run	PriorityGW
7080201	708020111	070802011101	22836	0			Quarter Section Run	TF	S	Headwaters Quarter Section Run	TF	S	IA01	IA	Upper Quarter Section Run	PriorityGW
7080201	708020111	070802011103	16442	0			Quarter Section Run	NM	S	Quarter Section Run	NM	S	IA01	IA	Lower Quarter Section Run	PriorityGW
7080201	708020112	070802011201	16321	0			Horton Creek-Cedar River	LE,IT,TF	S	Dry Run	LE,IT,TF	S	IA01	IA	Dry Run-Upper Cedar River	PrioritySW
7080201	708020112	070802011203	23737	0			Horton Creek-Cedar River	TF	NM	Village of Plainfield-Cedar River	TF	S	IA01	IA	Cedar River-Dry Run	PriorityGW
7080201	708020112	070802011204	28875	0			Horton Creek-Cedar River	TF	S	Cedar Bend County Park-Cedar River	TF	S	IA01	IA	Cedar River-Quarter Section Run	PriorityGW
7080201	708020112	070802011205	12412	0			Horton Creek-Cedar River	IT,TF	S	Village of Janesville-Cedar River	IT,TF	S	IA01	IA	Cedar River-West Fork Cedar River	EligibleGWHighNitrate
7080202	708020207	070802020703	11359	0			Dry Creek-Shell Rock River	NM	S	Curry Creek	TF	S	IA01	IA	Curry Creek	PriorityGW
7080202	708020207	070802020705	30519	0			Dry Creek-Shell Rock River	TF	S	Shell Rock River	TF	S	IA01	IA	Shell Rock River-Curry Creek	PriorityGW
7080204	708020401	070802040102	26194	0			Bailey Creek	TF	S	Bailey Creek	TF	S	IA01	IA	Lower Bailey Creek	PriorityGW
7080204	708020406	070802040602	24750	0			West Fork Cedar River	TF,IT	S	Boylan Creek	TF,IT	S	IA01	IA	Boylan Creek	PriorityGW
7080204	708020406	070802040603	15687	0			West Fork Cedar River	TF	S	Kilson Creek	TF	S	IA01	IA	Kilson Creek	PriorityGW
7080205	708020502	070802050201	29035	0			Headwaters Beaver Creek	TF	S	Headwaters Beaver Creek	TF	S	IA01	IA	Beaver Creek-Drainage Ditch 13	PrioritySW
7080205	708020502	070802050202	28028	0			Headwaters Beaver Creek	TF,LE	S	North Beaver Creek	TF,LE	S	IA01	IA	North Beaver Creek	PrioritySW

7080205	708020502	070802050204	23044	0	Headwaters Beaver Creek	TF,LE	S	Gran Creek-Beaver Creek	TF,LE	S	IA01	IA	Beaver Creek-Gran Creek	PriorityGW
7080205	708020503	070802050304	32362	0	Beaver Creek	TF	M	Hammers Creek-Beaver Creek	TF	M	IA01	IA	Beaver Creek-Hammers Creek	PriorityGW
7080205	708020504	070802050403	26921	0	North Fork Black Hawk Creek	TF	S	North Fork Black Hawk Creek	TF	S	IA01	IA	Lower North Black Hawk Creek	PriorityGW
7080205	708020505	070802050501	14086	0	Headwaters Black Hawk Creek	NM	S	Holland Creek	TF	S	IA01	IA	Holland Creek	PrioritySW
7080205	708020506	070802050602	20835	0	Black Hawk Creek	TF	S	Prescotts Creek-Black Hawk Creek	TF	S	IA01	IA	Black Hawk Creek-Prescotts Creek	PriorityGW
7080205	708020507	070802050701	15231	0	Dry Run-Cedar River	NM	S	Dry Run	NM	S	IA01	IA	Dry Run-Middle Cedar River	PriorityGW
Waterloo Municipal Airport														
Waterloo Municipal Airport														
7080205	708020507	070802050702	15423	0	Dry Run-Cedar River	NM	S	Airport.	NM	M	IA01	IA	Unnamed Creek-Cedar River	PriorityGW
7080205	708020507	070802050703	31124	0	Dry Run-Cedar River	TF	S	Black Hawk Park-Cedar River	TF	S	IA01	IA	Cedar River-Black Hawk Creek	PriorityGW
7080205	708020508	070802050801	21052	0	Wolf Creek	TF	S	Headwaters Wolf Creek	TF	S	IA01	IA	Wolf Creek Headwaters-Cedar River	PrioritySW
7080205	708020509	070802050902	10985	0	Miller Creek-Cedar River	NM	S	Poyner Creek	NM	S	IA01	IA	Poyner Creek	PriorityGW
7080205	708020509	070802050903	14055	0	Miller Creek-Cedar River	NM	S	Indian Creek	NM	S	IA01	IA	Indian Creek-Middle Cedar River	PriorityGW
7080205	708020509	070802050904	23137	0	Miller Creek-Cedar River	TF	S	Headwaters Miller Creek	TF	S	IA01	IA	Upper Miller Creek	PrioritySW
7080205	708020509	070802050905	19324	0	Miller Creek-Cedar River	TF	S	Miller Creek	TF	S	IA01	IA	Lower Miller Creek	PriorityGW
7080205	708020509	070802050906	26608	0	Miller Creek-Cedar River	NM	S	Sink Creek-Cedar River	NM	S	IA01	IA	Cedar River-Sink Creek	PriorityGW
7080205	708020510	070802051002	39391	0	Spring Creek-Cedar River	NM	S	Spring Creek	TF,IT	M	IA01	IA	Spring Creek-Middle Cedar River	PriorityGW
7080205	708020510	070802051003	26790	0	Spring Creek-Cedar River	NM	S	Lime Creek	NM	S	IA01	IA	Lime Creek-Cedar River	PrioritySW
7080205	708020510	070802051004	38410	0	Spring Creek-Cedar River	TF	S	Bear Creek-Cedar River	TF	S	IA01	IA	Bear Creek-Cedar River-Spring Creek	PrioritySW
7080205	708020513	070802051301	18339	0	Otter Creek	TF	S	West Otter Creek	TF	S	IA01	IA	West Otter Creek-Cedar River	PrioritySW
7080205	708020514	070802051405	35430	0	Prairie Creek	TF	S	Prairie Creek	TF	S	IA01	IA	Prairie Creek-Mud Creek	PriorityGW
7080205	708020515	070802051501	17688	0	Blue Creek-Cedar River	NM	S	East Branch Blue Creek	TF	S	IA01	IA	East Branch Blue Creek	PriorityGW
7080206	708020602	070802060201	26433	0	Big Creek	TF	S	Headwaters Big Creek	TF	S	IA01	IA	Upper Big Creek-Cedar River	PriorityGW
7080206	708020602	070802060203	28603	0	Big Creek	NM	S	Big Creek	NM	S	IA01	IA	Lower Big Creek-Cedar River	PriorityGW
7080206	708020603	070802060301	22096	0	Rock Creek	NM	S	West Rock Creek-Rock Creek	NM	S	IA01	IA	Rock Creek-West Rock Creek	PriorityGW
7080206	708020604	070802060402	17817	0	Rock Run Creek-Cedar River	TF	S	Clear Creek	TF	S	IA01	IA	Clear Creek-Cedar River	PriorityGW
7080207	708020709	070802070905	24791	0	Dowd Creek-Iowa River	TF	S	Mormon Lake Mormon Ridge-Iowa River	TF	S	IA01	IA	Iowa River-Dowd Creek	EligibleGWHighNitrate
7080208	708020804	070802080401	29703	0	Asher Creek-Iowa River	TF	S	Asher Creek	LE,TF	S	IA01	IA	Asher Creek	PriorityGW
7080208	708020804	070802080403	19513	0	Asher Creek-Iowa River	TF	S	Dry Branch-Iowa River	LE,TF	S	IA01	IA	Iowa River-Asher Creek	PriorityGW
7080208	708020804	070802080407	26323	0	Asher Creek-Iowa River	TF,IT	S	Bennett Creek-Iowa River	TF,IT	S	IA01	IA	Iowa River-Bennett Creek	PriorityGW
7080208	708020805	070802080507	20408	0	Salt Creek	TF,IT	S	Salt Creek	TF,IT	S	IA01	IA	Lower Salt Creek	PriorityGW
7080208	708020808	070802080806	33009	0	Big Bear Creek	LE,TF	S	Big Bear Creek	LE,TF	S	IA01	IA	Lower Big Bear Creek	EligibleGWHighNitrate
7080208	708020809	070802080901	16132	0	Honey Creek-Iowa River	TF	S	Buckeye Creek	TF	S	IA01	IA	Buckeye Creek-Iowa River	PriorityGW
7080208	708020809	070802080903	13724	0	Honey Creek-Iowa River	TF,IT	S	Village of Belle Plaine-Iowa River	TF,IT	S	IA01	IA	Iowa River-Buckeye Creek	PriorityGW
7080208	708020810	070802081003	36235	0	Coralville Reservoir-Iowa River	LE,TF	S	Mill Race-Iowa River	LE,TF	S	IA01	IA	Iowa River-Price Creek	EligibleGWHighNitrate
7080208	708020810	070802081009	31904	0	Coralville Reservoir-Iowa River	DM,TF	S	Coralville Lake-Iowa River	DM,TF	S	IA01	IA	Iowa River-Hoosier Creek	EligibleGWHighNitrate
7100002	710000203	071000020301	17654	0	Silver Creek	NM	S	Drainage Ditch 62-Silver Creek	TF	S	IA01	IA	Silver Creek-Drainage Ditch 62	PrioritySW
7100002	710000203	071000020302	23518	0	Silver Creek	TF	S	Silver Creek	TF	S	IA01	IA	Silver Creek-Drainage Ditch 23	PrioritySW
7100002	710000204	071000020401	32739	0	Drainage Ditch 132-Des Moines River	TF	S	Drainage Ditch 151-Des Moines River	TF	S	IA01	IA	Des Moines River-Drainage Ditch 151	PrioritySW
7100002	710000204	071000020402	27663	0	Drainage Ditch 132-Des Moines River	TF	S	Drainage Ditch 49-Des Moines River	TF	S	IA01	IA	Des Moines River-Drainage Ditch 49	PriorityGW
7100002	710000204	071000020403	14653	0	Drainage Ditch 132-Des Moines River	TF	S	Drainage Ditch 132	TF	S	IA01	IA	Drainage Ditch 132	PrioritySW
7100002	710000204	071000020404	14547	0	Drainage Ditch 132-Des Moines River	TF	S	City of Emmetsburg-Des Moines River	TF	S	IA01	IA	Des Moines River-Drainage Ditch 132	PrioritySW
7100002	710000206	071000020601	17223	0	Prairie Creek	TF	S	Headwaters Prairie Creek	TF	S	IA01	IA	Prairie Creek-Drainage Ditch 167	PriorityDMSW
7100002	710000209	071000020903	23867	0	Indian Creek-Des Moines River	TF	S	Drainage Ditch 35-Des Moines River	TF	S	IA01	IA	Des Moines River-Drainage Ditch 35	EligibleGWHighNitrate
7100003	710000307	071000030701	24920	0	Lotts Creek	TF	S	Headwaters Lotts Creek	TF	S	IA01	IA	Upper Lotts Creek-East Fork Des Moines River	PriorityDMSW
7100004	710000407	071000040702	27458	0	Bluff Creek-Des Moines River	TF	S	Allen Creek-Des Moines River	TF	S	IA01	IA	Des Moines River-Allen Creek	PriorityGW
7100004	710000407	071000040704	30354	0	Bluff Creek-Des Moines River	TF	S	Elkhorn Creek-Des Moines River	TF	S	IA01	IA	Des Moines River-Elkhorn Creek	PriorityGW
7100004	710000407	071000040706	32895	0	Bluff Creek-Des Moines River	NM	S	Honey Creek-Des Moines River	NM	S	IA01	IA	Des Moines River-Honey Creek	PriorityGW
7100004	710000407	071000040707	32387	0	Bluff Creek-Des Moines River	TF	S	Richardson Branch-Des Moines River	TF	S	IA01	IA	Des Moines River-Richardson Branch	PriorityGW
7100004	710000409	071000040901	12170	0	Beaver Creek	NM	S	Little Beaver Creek-West Beaver Creek	NM	S	IA01	IA	Little Beaver Creek-West Beaver Creek	PrioritySW
7100004	710000409	071000040908	23627	0	Beaver Creek	NM	S	Little Beaver Creek-Beaver Creek	NM	S	IA01	IA	Little Beaver Creek-Beaver Creek	PriorityGW
7100004	710000410	071000041001	35081	0	Saylor Creek-Des Moines River	DM,TF	S	Murphy Branch-Des Moines River	DM,TF	S	IA01	IA	Des Moines River-Murphy Branch	PriorityGW
7100005	710000503	071000050301	24675	0	Otter Creek	TF	S	West Otter Creek	TF	S	IA01	IA	West Otter Creek-Boone River	PriorityGW
7100005	710000505	071000050501	30891	0	White Fox Creek	TF	S	Headwaters White Fox Creek	TF	S	IA01	IA	Upper White Fox Creek	PrioritySW
7100005	710000505	071000050502	17738	0	White Fox Creek	TF	S	Buck Creek	TF	S	IA01	IA	Buck Creek-White Fox Creek	PrioritySW
7100005	710000506	071000050601	15787	0	Ditch 3-Boone River	TF	S	Joint Drainage Ditch 3-Boone River	TF	S	IA01	IA	Boone River-Joint Drainage Ditch 3, 47	PrioritySW
7100005	710000506	071000050602	12276	0	Ditch 3-Boone River	NM	S	Drainage Ditch 9	TF	S	IA01	IA	Drainage Ditch 9	PrioritySW
7100005	710000506	071000050603	17242	0	Ditch 3-Boone River	TF	S	Drainage Ditch 3	TF	S	IA01	IA	Drainage Ditch 3-Boone River	PrioritySW
7100005	710000506	071000050604	17766	0	Ditch 3-Boone River	NM	S	Drainage Ditch 4-Boone River	TF	S	IA01	IA	Boone River-Drainage Ditch 9	PrioritySW
7100005	710000506	071000050605	32878	0	Ditch 3-Boone River	TF	S	Drainage Ditch 46-Boone River	TF	S	IA01	IA	Boone River-Drainage Ditch 46	PrioritySW
7100005	710000506	071000050606	11817	0	Ditch 3-Boone River	NM	S	Drainage Ditch 68-Boone River	TF	S	IA01	IA	Boone River-Drainage Ditch 68	PrioritySW
7100006	710000601	071000060101	10099	0	Little Cedar Creek	NM	S	Drainage Ditch 67	NM	S	IA01	IA	Drainage Ditch 67	PriorityRRTMDL
7100006	710000601	071000060103	24469	0	Little Cedar Creek	TF	S	Little Cedar Creek	TF	S	IA01	IA	Lower Little Cedar Creek	PriorityRRTMDL
7100006	710000602	071000060201	14361	0	Prairie Creek-Cedar Creek	TF	S	Drainage Ditch 21-Cedar Creek	TF	S	IA01	IA	Drainage Ditch 21-Cedar Creek	PriorityRRTMDL
7100006	710000602	071000060205	33520	0	Prairie Creek-Cedar Creek	NM	S	Prairie Creek	TF	S	IA01	IA	Prairie Creek-Drainage Ditch 1	PriorityRRTMDL
7100006	710000602	071000060207	14965	0	Prairie Creek-Cedar Creek	NM	S	Drainage Ditch 81	TF	S	IA01	IA	Drainage Ditch 81-Cedar Creek	PriorityRRTMDL
7100006	710000602	071000060208	17496	0	Prairie Creek-Cedar Creek	TF	S	Drainage Ditch 20-Cedar Creek	TF	S	IA01	IA	Cedar Creek-Drainage Ditch 20	PriorityRRTMDL
7100006	710000603	071000060301	27590	0	Headwaters North Raccoon River	TF	S	Headwaters North Raccoon River	TF	S	IA01	IA	North Raccoon River-Lateral 9	PriorityRRTMDL
7100006	710000603	071000060302	15841	0	Headwaters North Raccoon River	NM	S	Lateral 4	NM	S	IA01	IA	Lateral 4	PriorityRRTMDL
7100006	710000603	071000060303	25870	0	Headwaters North Raccoon River	NM	S	Lateral 6-North Raccoon River	NM	S	IA01	IA	North Raccoon River-Lateral 6	PriorityRRTMDL
7100006	710000603	071000060304	22461	0	Headwaters North Raccoon River	TF	S	Lateral 2	TF	S	IA01	IA	Lateral 2	PriorityRRTMDL
7100006	710000603	071000060306	11292	0	Headwaters North Raccoon River	NM	S	Lateral 3-North Raccoon River	NM	S	IA01	IA	North Raccoon River-Lateral 3	PriorityRRTMDL
7100006	710000603	071000060307	26682	0	Headwaters North Raccoon River	TF	S	Outlet Creek	TF	S	IA01	IA	Outlet Creek	PriorityRRTMDL
7100006	710000603	071000060308	32799	0	Headwaters North Raccoon River	NM	S	Drainage Ditch 101-North Raccoon River	TF	S	IA01	IA	North Raccoon River-Drainage Ditch 101	PriorityRRTMDL

7100006	710000603	071000060309	12942	0	Headwaters North Raccoon River	TF	S	Buck Run	TF	S	IA01	IA	Buck Run	PriorityGW
7100006	710000603	071000060310	32620	0	Headwaters North Raccoon River	TF	S	Sac City-North Raccoon River	TF	S	IA01	IA	North Raccoon River-Buck Run	PriorityRRTMDL
7100006	710000604	071000060401	14536	0	Indian Creek	TF	S	Wall Lake Inlet	DM,TF	S	IA01	IA	Wall Lake Inlet	PriorityGW
7100006	710000604	071000060403	29626	0	Indian Creek	TF	S	Indian Creek-North Raccoon River	TF	S	IA01	IA	Indian Creek-North Raccoon River	PriorityGW
7100006	710000605	071000060501	15108	0	Camp Creek	TF	S	Drainage Ditch 1	TF	S	IA01	IA	Drainage Ditch 1-Camp Creek	PriorityRRTMDL
7100006	710000605	071000060502	15880	0	Camp Creek	TF	S	Headwaters West Fork Camp Creek	TF	S	IA01	IA	Upper West Fork Camp Creek	PrioritySW
7100006	710000605	071000060503	17190	0	Camp Creek	TF	S	West Fork Camp Creek	TF	S	IA01	IA	Lower West Fork Camp Creek	PriorityRRTMDL
7100006	710000605	071000060504	25346	0	Camp Creek	TF	NM	Headwaters Camp Creek	TF	S	IA01	IA	Upper Camp Creek-North Raccoon River	PrioritySW
7100006	710000605	071000060505	20550	0	Camp Creek	TF	S	Camp Creek	TF	S	IA01	IA	Lower Camp Creek-North Raccoon River	PriorityRRTMDL
7100006	710000608	071000060801	10721	0	Elk Run-North Raccoon River	NM	S	Drainage Ditch 73-North Raccoon River	TF	S	IA01	IA	North Raccoon River-Drainage Ditch 73	PriorityRRTMDL
7100006	710000608	071000060802	32637	0	Elk Run-North Raccoon River	TF	S	Drainage Ditch 25-North Raccoon River	TF	S	IA01	IA	North Raccoon River-Drainage Ditch 25	PriorityRRTMDL
7100006	710000608	071000060803	18318	0	Elk Run-North Raccoon River	TF	S	Prairie Creek	TF	S	IA01	IA	Prairie Creek-Drainage Ditch 198	PriorityRRTMDL
7100006	710000608	071000060804	23083	0	Elk Run-North Raccoon River	NM	S	Elk Run-North Raccoon River	TF	S	IA01	IA	Elk Run-North Raccoon River	PriorityRRTMDL
7100006	710000608	071000060805	16821	0	Elk Run-North Raccoon River	NM	S	Rainbow Bend County Park-North Raccoon River	TF	S	IA01	IA	North Raccoon River-Prairie Creek	PriorityRRTMDL
7100006	710000608	071000060806	32025	0	Elk Run-North Raccoon River	TF	S	Marrowbone Creek-North Raccoon River	TF	S	IA01	IA	North Raccoon River-Marrowbone Creek	PriorityRRTMDL
7100006	710000613	071000061301	25796	0	Greenbrier Creek	TF	S	Headwaters Greenbrier Creek	TF	S	IA01	IA	Upper Greenbrier Creek	PrioritySW
7100006	710000614	071000061402	11207	0	Otter Creek-North Raccoon River	NM	S	Doe Brook-North Raccoon River	NM	S	IA01	IA	North Raccoon River-Doe Brook	PriorityRRTMDL
7100006	710000614	071000061404	13118	0	Otter Creek-North Raccoon River	NM	S	McMahon State Wildlife Management Area-North Raccoon River	NM	S	IA01	IA	North Raccoon River-Cedar Creek	PriorityRRTMDL
7100006	710000614	071000061405	27130	0	Otter Creek-North Raccoon River	TF	S	Drainage Ditch 171-North Raccoon River	TF	S	IA01	IA	North Raccoon River-Drainage Ditch 171	PriorityRRTMDL
7100006	710000614	071000061406	20950	0	Otter Creek-North Raccoon River	TF	S	Squirrel Hollow County Park-North Raccoon River	TF	S	IA01	IA	North Raccoon River-Buttrick Creek	PriorityRRTMDL
7100006	710000615	071000061501	24888	0	Swan Lake Branch-North Raccoon River	TF	S	Fannys Branch-North Raccoon River	TF	S	IA01	IA	North Raccoon River-Fannys Branch	PriorityRRTMDL
7100006	710000615	071000061503	25764	0	Swan Lake Branch-North Raccoon River	TF	S	Frog Creek-North Raccoon River	TF	S	IA01	IA	North Raccoon River-Frog Creek	PriorityRRTMDL
7100006	710000615	071000061504	20170	0	Swan Lake Branch-North Raccoon River	NM	S	Village of Minburn-North Raccoon River	TF	S	IA01	IA	North Raccoon River-Swan Lake Branch	PriorityGW
7100006	710000615	071000061505	32595	0	Swan Lake Branch-North Raccoon River	TF	S	Hickory Creek-North Raccoon River	TF	S	IA01	IA	North Raccoon River-Hickory Creek	PriorityRRTMDL
7100006	710000617	071000061702	18641	0	Raccoon River	TF	S	Johnson Creek-Raccoon River	LE,TF	S	IA01	IA	Upper Raccoon River	PriorityGW
7100007	710000701	071000070101	21957	0	Willow Creek	NM	S	Upper Willow Creek	NM	S	IA01	IA	Willow Creek Headwaters	PriorityRRTMDL
7100007	710000701	071000070102	11328	0	Willow Creek	NM	S	Drainage Ditch No 9-13	NM	S	IA01	IA	Drainage Ditch 9-13	PriorityRRTMDL
7100007	710000702	071000070202	37892	0	Upper Middle Raccoon River	NM	S	Storm Creek	NM	S	IA01	IA	Storm Creek	PriorityRRTMDL
7100007	710000702	071000070203	25390	0	Upper Middle Raccoon River	NM	S	City of Carroll-Middle Raccoon River	NM	S	IA01	IA	Middle Raccoon River-Storm Creek	PriorityRRTMDL
7100007	710000702	071000070204	28639	0	Upper Middle Raccoon River	NM	S	Spring Branch-Middle Raccoon River	NM	S	IA01	IA	Middle Raccoon River-Spring Branch	PriorityRRTMDL
7100007	710000702	071000070205	30834	0	Upper Middle Raccoon River	NM	S	Willey Branch-Middle Raccoon River	NM	S	IA01	IA	Middle Raccoon River-Willey Branch	PriorityRRTMDL
7100007	710000702	071000070206	12376	0	Upper Middle Raccoon River	NM	S	Upper Middle Raccoon River	NM	S	IA01	IA	Middle Raccoon River-Willow Creek	PriorityRRTMDL
7100007	710000703	071000070301	25046	0	Brushy Creek	NM	S	Upper Brushy Creek	NM	S	IA01	IA	Upper Brushy Creek-South Raccoon River	PriorityRRTMDL
7100007	710000703	071000070302	28097	0	Brushy Creek	NM	S	Middle Brushy Creek	NM	S	IA01	IA	Middle Brushy Creek-South Raccoon River	PriorityGW
7100007	710000704	071000070401	14040	0	Upper South Raccoon River	NM	S	Seely Creek	NM	S	IA01	IA	Seely Creek	PriorityGW
7100007	710000704	071000070404	11822	0	Upper South Raccoon River	NM	S	City of Guthrie Center-South Raccoon River	NM	S	IA01	IA	South Raccoon River-Mason Creek	PriorityGW
7100007	710000705	071000070502	36144	0	Mosquito Creek	TF	S	Lower Mosquito Creek	TF	S	IA01	IA	Lower Mosquito Creek-Middle Raccoon River	PriorityGW
7100007	710000706	071000070602	14784	0	Lower Middle Raccoon River	NM	S	Bays Branch	NM	S	IA01	IA	Bay Branch	PriorityGW
7100007	710000706	071000070603	25437	0	Lower Middle Raccoon River	NM	S	City of Panora-Middle Raccoon River	DM	S	IA01	IA	Middle Raccoon River-Mosquito Creek	PriorityGW
7100007	710000707	071000070701	29486	0	Middle South Raccoon River	NM	S	Beaver Creek	NM	S	IA01	IA	Beaver Creek-South Raccoon River	PriorityGW
7100007	710000709	071000070902	15806	0	Lower South Raccoon River	NM	S	Coal Creek-South Raccoon River	NM	S	IA01	IA	South Raccoon River-Bear Creek	PriorityGW
7100007	710000709	071000070904	12312	0	Lower South Raccoon River	TF	S	Outlet South Raccoon River	TF	S	IA01	IA	South Raccoon River-Bulger Creek	PriorityGW
7100008	710000804	071000080405	35692	0	North River	NM	S	North River	NM	S	IA01	IA	North River-Middle Creek	PriorityGW
7100008	710000806	071000080605	16389	0	South Fork Middle River-Middle River	NM	S	Jefferson Cemetary-Middle River	NM	S	IA01	IA	Middle River-North Turkey Creek	PriorityGW
7100008	710000808	071000080801	14665	0	Squaw Creek	NM	S	South Squaw Creek	NM	S	IA01	IA	South Squaw Creek	PrioritySW
7100008	710000815	071000081503	31459	0	Calhoun Creek-Des Moines River	LE,TF	S	Yeader Creek-Des Moines River	LE,TF	S	IA01	IA	Des Moines River-Yeader Creek	PriorityGW
7100009	710000904	071000090401	25746	0	Muchaknock Creek	NM	S	Headwaters Muchaknock Creek	TF	S	IA01	IA	Upper Muchaknock Creek	PriorityGW
10170203	1017020319	101702031905	19695	0	Pattee Creek-Big Sioux River	NM	S	Peterson Creek-Big Sioux River	NM	S	IA01	IA,SD		PriorityGW
10170203	1017020319	101702031906	10977	0	Pattee Creek-Big Sioux River	TF	S				IA01	IA,SD	Big Sioux River	PriorityGW
10170203	1017020319	101702031908	35360	0	Pattee Creek-Big Sioux River	NM	S	Little Beaver Creek-Big Sioux River	TF	S	IA01	IA,SD		PriorityGW
10170203	1017020320	101702032001	22885	0	Sixmile Creek	NM	S	Upper Sixmile Creek	TF	S	IA01	IA	Upper Sixmile Creek	PriorityGW
10170203	1017020321	101702032101	32133	0	Green Creek-Big Sioux River	TF	S	Dry Creek	TF,LE	S	IA01	IA	Dry Creek-Big Sioux River	PriorityGW
10170203	1017020321	101702032102	40649	0	Green Creek-Big Sioux River	NM	S	Green Creek-Big Sioux River	TF	S	IA01	IA,SD	Big Sioux River	PriorityGW
10170203	1017020325	101702032507	23392	0	Big Ditch-Big Sioux River	NM	S	Big Sioux River	NM	S	IA01	IA,SD	Big Sioux River	PriorityGW
10170204	1017020402	101702040205	15252	0	Kanaranzi Creek	TF	S	Kanaranzi Creek	TF	S	MN01	IA,MN	Kanaranzi Creek	PriorityGW
10170204	1017020403	101702040306	29266	0	Champepandan Creek-Rock River	NM	S	Ash Creek-Rock River	TF	S	MN01	IA,MN	Rock River	PriorityGW
10170204	1017020405	101702040503	20061	0	Otter Creek-Little Rock River	TF	S	Rat Creek	TF	S	IA01	IA	Rat Creek	PriorityGW
10170204	1017020405	101702040505	31975	0	Otter Creek-Little Rock River	NM	S	Otter Creek	NM	S	IA01	IA	Otter Creek-Rat Creek	PriorityGW
10170204	1017020406	101702040604	33189	0	Little Rock River	TF	S	Whitney Creek-Little Rock River	TF	S	IA01	IA	Little Rock River-Whitney Creek	PriorityGW
10170204	1017020406	101702040606	26300	0	Little Rock River	TF	S	Village of Doon-Little Rock River	TF	S	IA01	IA	Little Rock River-Emery Creek	PriorityGW
10170204	1017020407	101702040703	36852	0	Tom Creek-Rock River	NM	S	Moon Creek-Rock River	TF	S	IA01	IA	Rock River-Tom Creek	PriorityGW
10170204	1017020408	101702040801	25103	0	Rock River	TF	S	Burr Oak Creek	TF	S	IA01	IA	Burr Oak Creek-Rock River	PriorityGW
10170204	1017020408	101702040804	25973	0	Rock River	TF	S	Rogg Creek-Rock River	TF	S	IA01	IA	Rock River-Burr Oak Creek	PriorityGW
10170204	1017020408	101702040805	21139	0	Rock River	TF	S	Rock River	TF	S	IA01	IA	Lower Rock River	PriorityGW
10230001	1023000103	102300010305	89525	0	Pigeon Creek-Missouri River	LE,TF	S	Bacon Creek-Missouri River	LE,TF	S	IA01	IA,NE	Missouri River	PriorityGW
10230001	1023000105	102300010504	31989	0	East Soldier River-Soldier River	TF	S	Headwaters East Soldier River	TF	S	IA01	IA	Upper East Soldier River	PriorityGW
10230001	1023000105	102300010505	15685	0	East Soldier River-Soldier River	NM	S	Middle Soldier River	TF	S	IA01	IA	Middle Soldier River	PriorityGW
10230001	1023000105	102300010506	15245	0	East Soldier River-Soldier River	NM	S	East Soldier River	TF	S	IA01	IA	Lower East Soldier River	PriorityGW
10230001	1023000105	102300010507	24850	0	East Soldier River-Soldier River	TF	S	Skunk Creek/Rush Creek-Soldier River	TF	S	IA01	IA	Soldier River-Rush Creek	PriorityGW
10230002	1023000203	102300020302	39435	0	Little Floyd River-Floyd River	NM	S	Little Floyd River	TF	S	IA01	IA	Little Floyd River	PriorityGW
10230002	1023000203	102300020303	28647	0	Little Floyd River-Floyd River	NM	S	Engels Creek-Floyd River	TF	S	IA01	IA	Floyd River-Engels Creek	PriorityGW
10230002	1023000203	102300020304	24010	0	Little Floyd River-Floyd River	TF	S	Roetzel Creek-Willow Creek	TF	S	IA01	IA	Willow Creek-Roetzel Creek	PriorityGW
10230002	1023000203	102300020305	30665	0	Little Floyd River-Floyd River	NM	S	Village of Newkirk-Floyd River	TF	S	IA01	IA	Floyd River-Little Floyd River	PriorityGW
10230002	1023000204	102300020402	24737	0	West Branch Floyd River	TF	S	Headwaters West Branch Floyd River	TF	S	IA01	IA	West Branch Floyd River Headwaters	PriorityGW

10230002	1023000204	102300020404	22278	0	West Branch Floyd River	NM	S	Village of Middleburg-West Branch Floyd River	NM	S	IA01	IA	Upper West Branch Floyd River	PriorityGW
10230002	1023000204	102300020406	30606	0	West Branch Floyd River	NM	S	Village of Maurice-West Branch Floyd River	TF	S	IA01	IA	Middle West Branch Floyd River	PriorityGW
10230003	1023000305	102300030506	26247	0	Ocheyedan River	NM	S	Rush Lake Outlet-Ocheyedan River	TF	S	IA01	IA	Ocheyedan River-Dry Run	PriorityGW
10230003	1023000308	102300030802	11894	0	Prairie Creek-Little Sioux River	TF	S	Evergreen Cemetery-Little Sioux River	TF	S	IA01	IA	Little Sioux River-Drainage Ditch 52	PriorityGW
10230003	1023000310	102300031004	28849	0	Waterman Creek	TF	S	Waterman Creek	TF	S	IA01	IA	Lower Waterman Creek	PriorityGW
10230003	1023000311	102300031105	17484	0	Brooke Creek-Little Sioux River	TF	S	City of Sioux Rapids-Little Sioux River	TF	S	IA01	IA	Little Sioux River-Willow Creek	PriorityGW
10230003	1023000311	102300031109	29183	0	Brooke Creek-Little Sioux River	TF	S	Henry Creek-Little Sioux River	TF	S	IA01	IA	Little Sioux River-Henry Creek	PriorityGW
10230003	1023000313	102300031301	21080	0	Burr Oak Creek-Little Sioux River	NM	S	Burr Oak Creek-Little Sioux River	NM	S	IA01	IA	Little Sioux River-Dog Creek	PriorityGW
10230003	1023000314	102300031407	16475	0	Ashton Creek-Little Sioux River	NM	S	Ashton Creek	NM	S	IA01	IA	Ashton Creek	PriorityGW
10230003	1023000314	102300031408	11588	0	Ashton Creek-Little Sioux River	NM	S	Village of Pierson	NM	S	IA01	IA	Unnamed Creek-Pierson Creek	PriorityGW
10230003	1023000314	102300031410	21051	0	Ashton Creek-Little Sioux River	TF	S	Bacon Creek	TF	S	IA01	IA	Bacon Creek	PriorityGW
10230003	1023000314	102300031411	26760	0	Ashton Creek-Little Sioux River	TF	S	Bitter Creek-Little Sioux River	TF	S	IA01	IA	Little Sioux River-Bitter Creek	PriorityGW
10230004	1023000401	102300040104	29900	0	Headwaters West Fork Little Sioux River	TF	S	Johns Creek	TF	S	IA01	IA	Johns Creek	PriorityGW
10230004	1023000401	102300040105	24554	0	Headwaters West Fork Little Sioux River	NM	S	Deer Creek-West Fork Little Sioux River	NM	S	IA01	IA	West Fork Little Sioux River-Whiskey Creek	PriorityGW
10230004	1023000402	102300040201	12810	0	Mud Creek-West Fork Little Sioux River	TF	S	McElhaney Creek	TF	S	IA01	IA	McElhaney Creek	PriorityGW
10230004	1023000402	102300040205	23724	0	Mud Creek-West Fork Little Sioux River	NM	S	Village of Kingsley-West Fork Little Sioux River	NM	S	IA01	IA	West Fork Little Sioux River-McElhaney Creek	PriorityGW
10230004	1023000403	102300040302	36467	0	Haltz Ditch	TF	S	Headwaters Wolf Creek	TF	S	IA01	IA	Wolf Creek-Haltz Ditch	PriorityGW
10230005	1023000502	102300050204	29563	0	Middle Maple River	NM	S	Hog Run-Maple River	NM	S	IA01	IA	Maple River-Halfway Creek	PriorityGW
10230005	1023000502	102300050205	24466	0	Middle Maple River	NM	S	Elk Creek	NM	S	IA01	IA	Elk Creek-Maple River	PriorityGW
10230005	1023000502	102300050206	39169	0	Middle Maple River	NM	S	Odebolt Creek	NM	S	IA01	IA	Odebolt Creek	PriorityGW
10230005	1023000502	102300050207	17645	0	Middle Maple River	NM	S	Buffalo Creek-Maple River	NM	S	IA01	IA	Maple River-Elk Creek	PriorityGW
10230005	1023000503	102300050301	34117	0	Lower Maple River	NM	S	Battle Creek	NM	S	IA01	IA	Battle Creek	PriorityGW
10230005	1023000503	102300050302	21334	0	Lower Maple River	NM	S	Badger Creek-Maple River	NM	S	IA01	IA	Maple River-Badger Creek	PriorityGW
10230005	1023000503	102300050304	19525	0	Lower Maple River	NM	S	Aldrich Creek-Maple River	NM	S	IA01	IA	Maple River-Aldrich Creek	PriorityGW
10230006	1023000604	102300060404	24819	0	Mosquito Creek	NM	S	Neola Creek-Mosquito Creek	TF	S	IA01	IA	Mosquito Creek-Neola Creek	PriorityGW
10230006	1023000606	102300060601	16528	0	Indian Creek-Missouri River	LE	S	Council Bluffs-Missouri River	TF	S	IA01	IA,NE		PriorityGW
10230006	1023000606	102300060602	29507	0	Indian Creek-Missouri River	LE,TF	S	Lake Manawa-Missouri River	LE,TF	S	IA01	IA,NE	Missouri River	PriorityGW
10230007	1023000702	102300070202	25404	0	Headwaters Boyer River	TF	S	Immanuel Church-Boyer River	TF	S	IA01	IA	Boyer River-Boyer Creek	PriorityGW
10230007	1023000702	102300070203	21720	0	Headwaters Boyer River	NM	S	Village of Early-Boyer River	TF	S	IA01	IA	Boyer River-Early	PriorityGW
10230007	1023000702	102300070210	20069	0	Headwaters Boyer River	TF	S	Buffalo Creek	TF	S	IA01	IA	Buffalo Creek-Boyer River	PriorityGW
10230007	1023000702	102300070211	30799	0	Headwaters Boyer River	TF	S	Tucker Creek-Boyer River	TF	S	IA01	IA	Boyer River-Tucker Creek	PriorityGW
10230007	1023000703	102300070303	24574	0	Mill Creek-Boyer River	TF	S	Paradise Creek	TF	S	IA01	IA	Paradise Creek	PriorityGW
10230007	1023000703	102300070304	35910	0	Mill Creek-Boyer River	TF	S	Welsh Creek-Boyer River	TF	S	IA01	IA	Boyer River-Willow Creek	PriorityGW
10230007	1023000703	102300070306	30166	0	Mill Creek-Boyer River	TF	S	Buss Creek-Boyer River	TF	S	IA01	IA	Boyer River-Buss Creek	PriorityGW
10230007	1023000704	102300070402	37441	0	Willow Creek	TF	S	Middle Willow Creek	TF	S	IA01	IA	Willow Creek-Elk Creek	PriorityGW
10230007	1023000706	102300070601	29604	0	Picayune Creek-Boyer River	TF	S	Picayune Creek	LE,TF	S	IA01	IA	Picayune Creek	PriorityGW
10230007	1023000706	102300070603	32656	0	Picayune Creek-Boyer River	TF	S	Mud Creek-Boyer River	LE,TF	S	IA01	IA	Boyer River-Mud Creek	PriorityGW
10230007	1023000706	102300070604	28965	0	Picayune Creek-Boyer River	TF	S	Harris Grove Creek-Boyer River	LE,TF	S	IA01	IA	Boyer River-Harris Grove Creek	EligibleGWHighNitrate
10240001	1024000101	102400010102	26017	0	Keg Creek-Missouri River	TF	S	Village of Minden-Keg Creek	TF	S	IA01	IA	Upper Keg Creek	PriorityGW
10240002	1024000201	102400020106	27354	0	East Branch West Nishnabotna River	NM	S	Lower East Branch West Nishnabotna River	NM	S	IA01	IA	Lower East Branch West Nishnabotna River	PriorityGW
10240002	1024000202	102400020201	26637	0	Upper West Nishnabotna River	NM	S	Headwaters West Nishnabotna River	NM	S	IA01	IA	West Nishnabotna River-Headwaters	PriorityGW
10240002	1024000202	102400020203	31484	0	Upper West Nishnabotna River	NM	S	City of Manning-West Nishnabotna River	NM	S	IA01	IA	West Nishnabotna River-Willow Creek	PriorityGW
10240002	1024000202	102400020209	30460	0	Upper West Nishnabotna River	NM	S	City of Harlan-West Nishnabotna River	NM	S	IA01	IA	West Nishnabotna River-West Fork West Nishnabotna River	PriorityGW
10240002	1024000203	102400020302	33380	0	Graybill Creek-Farm Creek	NM	S	Graybill Creek	NM	S	IA01	IA	Graybill Creek	PriorityGW
10240002	1024000204	102400020402	21155	0	Indian Creek	NM	S	Lower Indian Creek	NM	S	IA01	IA	Indian Creek-Douglas Creek	PriorityGW
10240002	1024000205	102400020501	21782	0	Middle West Nishnabotna River	NM	S	Jim Creek-West Nishnabotna River	NM	S	IA01	IA	West Nishnabotna River-Jim Creek	PriorityGW
10240002	1024000205	102400020502	29919	0	Middle West Nishnabotna River	NM	S	Slocum Creek-West Nishnabotna River	NM	S	IA01	IA	West Nishnabotna River-Slocum Creek	PriorityGW
10240002	1024000205	102400020503	20980	0	Middle West Nishnabotna River	NM	S	City of Carson-West Nishnabotna River	NM	S	IA01	IA	West Nishnabotna River-Farm Creek	PriorityGW
10240002	1024000206	102400020602	23076	0	Silver Creek	NM	S	Upper Silver Creek	NM	S	IA01	IA	Silver Creek-Interstate 80	PriorityGW
10240002	1024000206	102400020605	24616	0	Silver Creek	NM	S	Middle Silver Creek	NM	S	IA01	IA	Silver Creek-Middle Silver Creek	PriorityGW
10240002	1024000206	102400020607	31208	0	Silver Creek	NM	S	Outlet Silver Creek	LE	S	IA01	IA	Silver Creek-Little Creek	EligibleGWHighNitrate
10240002	1024000208	102400020801	17336	0	Lower West Nishnabotna River	NM	S	White Cloud-West Nishnabotna River	LE	S	IA01	IA	West Nishnabotna River-Indian Creek	PriorityGW
10240002	1024000208	102400020802	18471	0	Lower West Nishnabotna River	NM	S	Deer Creek	NM	S	IA01	IA	Deer Creek-West Nishnabotna River	PriorityGW
10240002	1024000208	102400020806	30072	0	Lower West Nishnabotna River	LE	S	Spring Branch-West Nishnabotna River	NM	S	IA01	IA	West Nishnabotna River-Spring Branch	EligibleGWHighNitrate
10240003	1024000301	102400030104	16008	0	Troublesome Creek	NM	S	Lower Troublesome Creek	NM	S	IA01	IA	Lower Troublesome Creek	PriorityGW
10240003	1024000302	102400030202	20726	0	East Nishnabotna River Headwaters	NM	S	Town of Viola Center-East Nishnabotna River	NM	S	IA01	IA	East Nishnabotna River-East Branch	PriorityGW
10240003	1024000302	102400030203	15956	0	East Nishnabotna River Headwaters	NM	S	Bluegrass Creek	NM	S	IA01	IA	Bluegrass Creek	PriorityGW
10240003	1024000302	102400030205	28036	0	East Nishnabotna River Headwaters	NM	S	Crabapple Creek-East Nishnabotna River	NM	S	IA01	IA	East Nishnabotna River-Crabapple Creek	PriorityGW
10240003	1024000302	102400030206	33936	0	East Nishnabotna River Headwaters	NM	S	Sifford Creek-East Nishnabotna River	NM	S	IA01	IA	East Nishnabotna River-Sifford Creek	PriorityGW
10240003	1024000306	102400030601	11469	0	Middle East Nishnabotna River	NM	S	Baughmans Creek	NM	S	IA01	IA	Baughmans Creek	PriorityGW
10240003	1024000306	102400030602	25498	0	Middle East Nishnabotna River	NM	S	Clarks Branch-East Nishnabotna River	NM	S	IA01	IA	East Nishnabotna River-Baughmans Creek	PriorityGW
10240003	1024000306	102400030603	32599	0	Middle East Nishnabotna River	NM	S	Coe Creek-East Nishnabotna River	NM	S	IA01	IA	East Nishnabotna River-Pilot Branch	PriorityGW
10240003	1024000307	102400030702	30733	0	Lower East Nishnabotna River	NM	S	Mormon Branch-East Nishnabotna River	NM	S	IA01	IA	East Nishnabotna River-Mormon Branch	EligibleGWHighNitrate
10240003	1024000307	102400030705	15316	0	Lower East Nishnabotna River	NM	S	Fisher Creek	NM	S	IA01	IA	Fisher Creek	EligibleGWHighNitrate
10240003	1024000307	102400030706	26118	0	Lower East Nishnabotna River	NM	S	Fourmile Creek-East Nishnabotna River	NM	S	IA01	IA	East Nishnabotna River-Fourmile Creek	EligibleGWHighNitrate
10240005	1024000505	102400050501	24573	0	West Tarkio Creek	NM	S	Headwaters West Tarkio Creek	NM	S	IA01	IA	Upper West Tarkio Creek	EligibleGWHighNitrate
10240009	1024000902	102400090201	30332	0	Upper Middle Nodaway River	NM	S	Nodaway Lake-Middle Nodaway River	NM	S	IA01	IA	Middle Nodaway River-Headwaters	PrioritySW
10240009	1024000905	102400090503	28187	0	Lower Middle Nodaway River	TF	S	City of Villisca-Middle Nodaway River	NM	S	IA01	IA	Lower Middle Nodaway River	PriorityGW
10240009	1024000906	102400090603	20458	0	Middle West Nodaway River	TF	S	Dunns Creek-West Nodaway River	NM	S	IA01	IA	West Nodaway River-Dunns Creek	PriorityGW
10240009	1024000907	102400090703	28662	0	Lower West Nodaway River	NM	S	No Business Creek-West Nodaway River	NM	S	IA01	IA	West Nodaway River-No Business Creek	PriorityGW
10240010	1024001001	102400100106	29608	0	East Nodaway River	NM	S	Kemp Creek	NM	S	IA01	IA	Kemp Creek	PrioritySW
10240010	1024001001	102400100107	19593	0	East Nodaway River	NM	S	Lake Binder-East Nodaway River	NM	S	IA01	IA	East Nodaway River-Kemp Creek	PrioritySW
10280101	1028010109	102801010903	29850	0	Big Creek	NM	S	Headwaters East Fork Big Creek	NM	S	MO01	IA,MO	East Fork Big Creek	PrioritySW
10280101	1028010109	102801010904	20752	0	Big Creek	NM	S	Shain Creek	NM	S	MO01	IA,MO	Shain Creek	PrioritySW

10280102	1028010201	102801020101	21866	0	Twelvemile Creek	NM	S	Headwaters Twelvemile Creek	NM	S	IA01	IA	Upper Twelvemile Creek	PrioritySW
10280102	1028010202	102801020201	21580	0	Threemile Creek-Thompson River	TF	S	Marvel Creek-Thompson River	TF	S	IA01	IA	Thompson River-Marvel Creek	PrioritySW
10280102	1028010202	102801020205	36223	0	Threemile Creek-Thompson River	NM	S	Threemile Creek	NM	S	IA01	IA	Threemile Creek	PrioritySW
10280102	1028010204	102801020402	24154	0	Elk Creek	NM	S	Elk Creek	NM	S	IA01	IA	Elk Creek-West Elk Creek	PrioritySW
10280102	1028010207	102801020701	29515	0	Little River	NM	S	Britton Branch-Little River	NM	S	IA01	IA	Little River-Britton Branch	PrioritySW
10280201	1028020102	102802010202	22680	0	Wolf Creek-Chariton River	NM	S	Brush Creek-Chariton River	NM	S	IA01	IA	Chariton River-Brush Creek	PrioritySW
10280201	1028020102	102802010203	24472	0	Wolf Creek-Chariton River	NM	S	Hamilton Creek-Chariton River	NM	S	IA01	IA	Chariton River-Hamilton Creek	PrioritySW
10280201	1028020102	102802010205	23756	0	Wolf Creek-Chariton River	TF	S	Wolf Creek	TF	S	IA01	IA	Lower Wolf Creek-Chariton River	PrioritySW

From: Kozak, Susan <Susan.Kozak@iowaagriculture.gov>
Sent: Thursday, September 17, 2020 3:11 PM
To: 'Rick Robinson' <rrobinson@ifbf.org>
Cc: Hubbert, Jon - NRCS, Des Moines, IA <jon.hubbert@usda.gov>
Subject: RE: Derecho Report

Below are a few notes on the topics I covered.

Copying Jon Hubbert as it might be helpful for the meeting minutes, too.

IDALS update 9/17/2020:

State Cost-Share:

- Distributions have gone out for 2nd round of funding for traditional state cost share programs

WQI:

- Still accepting statewide applications for all users - Currently approving all applications, but regularly assessing and will likely wrap up signups in the coming weeks. This includes funding for cover crops, no-till, and other management practices.
- Plan to offer cover-crop crop insurance program with RMA again this fall – working on details on program offering

Derecho:

- Cover Crop cost share funding still available through state programs (WQI)
- Assessing opportunities for additional funding for windbreak repair through REAP.
- Really appreciate NRCS, ISU, Practical Farmers and others for quick communication/collaboration on cover crops related to damage areas.
- Working on some targeted messaging with partners to increase awareness of cover crops and why they are an important tool in damage areas.

Admin:

- 24 of 31 Part-time technician positions have been hired or are in the hiring process. Remaining targeted for hiring in coming month.
- Coordinating with NRCS regarding new hiring actions for state staff in field offices (background checks and technical resource needs) – Process working well.
- Working with field services staff to develop new training for onboarding and orientation, plan to offer several modules in an online format which would be available to partner staff as well.

Susan K. Kozak, Division Director



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