

Water Quality Agriculture Infrastructure and Water Quality Urban Infrastructure Program – SF512/HF2440

In support of the Iowa Water Quality Initiative (WQI), the legislature passed and Governor Reynolds signed SF512/HF2440 during the 2018 legislative session, establishing the Water Quality Agriculture Infrastructure and the Water Quality Urban Infrastructure Programs. These programs, along with WQI, assist the implementation of the Nutrient Reduction Strategy, a science and technology based approach to achieving a 45 percent reduction in nitrogen and phosphorus losses to our waters. The strategy brings together both point sources, such as municipal wastewater treatment plants and industrial facilities, and nonpoint sources, including farm fields and urban stormwater runoff, to address these issues.

Water Quality Ag Infrastructure:

During FY21, IDALS expended \$3,092,178.21 establishing water quality practices with an additional \$19 million obligated for projects under development. As funding ramps up over time, IDALS intends make further investments in wetlands and similar in-field and edge of field practices. There are currently over 40 wetlands and 126 bioreactors/saturated buffers under design or development with an estimated total cost of nearly \$13 million. These projects will be candidates for this funding.

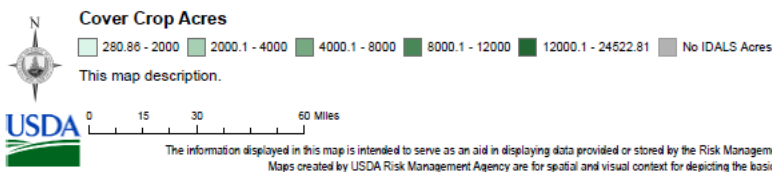
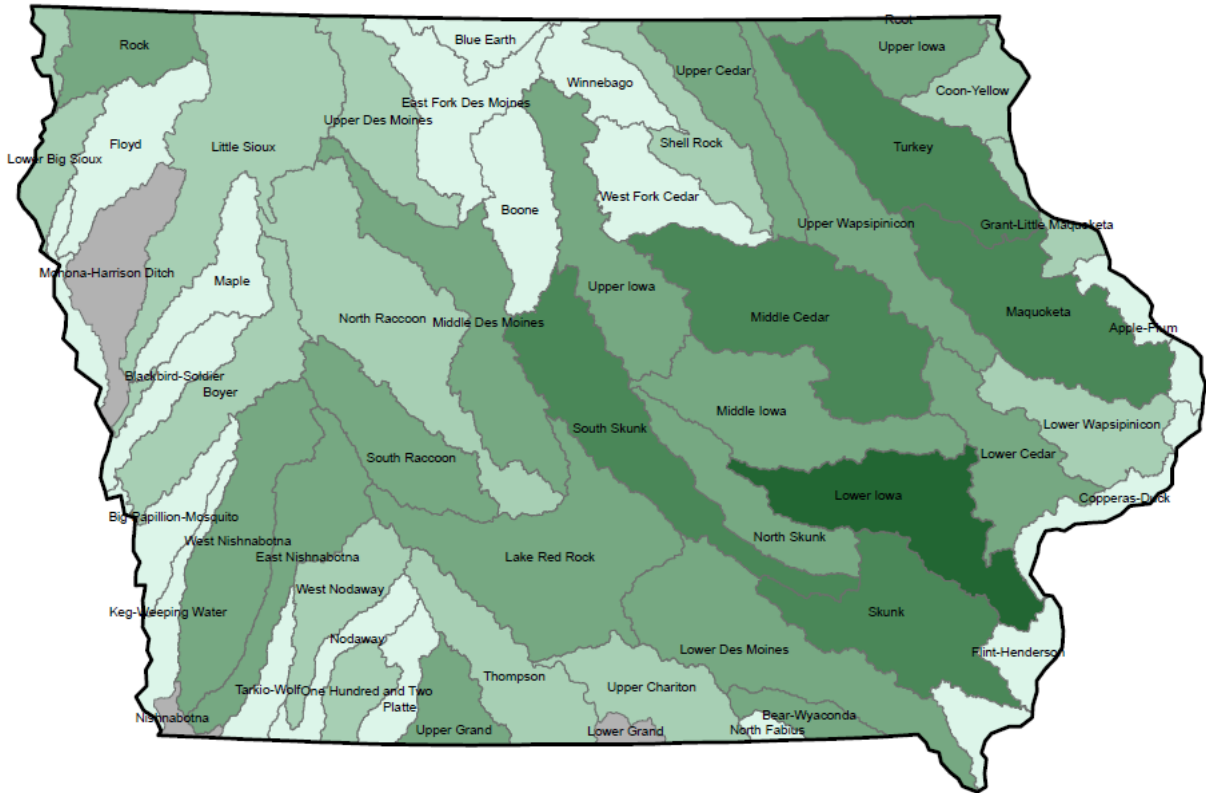
Summary of projects, expenses, and watershed locations enrolled below:

HUC8 Watershed Name	County	Amount Expended FY21	Practice
North Raccoon	Buena Vista	\$ 11,455.12	Bioreactor (BR)
North Raccoon	Buena Vista	\$ 11,489.00	Bioreactor (BR)
North Raccoon	Calhoun	\$ 15,414.37	Bioreactor (BR)
North Raccoon	Calhoun	\$ 8,805.00	Bioreactor (BR)
North Raccoon	Calhoun	\$ 11,885.06	Bioreactor (BR)
North Raccoon	Keokuk	\$ 10,344.04	Bioreactor (BR)
Upper Des Moines	Palo Alto	\$ 14,325.50	Bioreactor (BR)
Floyd	Plymouth	\$ 5,440.90	Bioreactor (BR)
Turkey	Winneshiek	\$ 5,434.50	Bioreactor (BR)
North Raccoon	Buena Vista	\$ 2,922.50	Saturated Buffer (SB)
Middle Cedar	Linn	\$ 2,664.51	Saturated Buffer (SB)
South Skunk	Mahaska	\$ 3,011.25	Saturated Buffer (SB)
Turkey	Howard	\$ 5,851.20	Wetland
Turkey	Howard	\$ 9,324.50	Wetland
Boone	Hamilton	\$ 4,788.53	Bioreactor (BR)
Middle Cedar	Black Hawk	\$ 177,800.98	Wetland
Middle Des Moines	Boone	\$ 201,643.53	Wetland
North Raccoon	Buena Vista	\$ 148,272.36	Wetland
North Raccoon	Buena Vista	\$ 512,428.14	Wetland
West Fork Cedar	Cerro Gordo	\$ 482,121.26	Wetland
Upper Iowa-Iowa River	Hardin	\$ 228,102.60	Wetland
Upper Des Moines	Pocahontas	\$ 155,653.79	Wetland
Lake Red Rock	Polk	\$ 54,519.60	SB/BRs
North Raccoon	Dallas	\$ 3,479.97	SB/BRs
52 HUC8s (see map)	Various	\$ 1,005,000.00	Cover Crops
Total		\$ 3,092,178.21	

*Amount expended is by practice during SFY21. Practices labeled SB/BRs are grouped through a batch-type installation and represent a collection of several practices as opposed to an individual practice or group of practices on one landowner.

In FY21, IDALS provided funds for 2021 crop year of the Crop Insurance Discount Program (CIDP) as the in-field component of the fund. This program represents a more streamlined, multi-year effort to incentivize cover crop usage in addition to traditional cost-share type programs. The project partners with the USDA-Risk Management Agency (RMA) to encourage cover crop usage through an additional reduction in crop insurance premiums (up to \$5/acre). In 2021, IDALS processed and submitted 201,000 acres to RMA. More information on the program can be found here: www.cleanwateriowa.org/covercropdemo

Distribution by HUC8 of CIDP Acres in Cover Crops:



Map Creation Date: July 29, 2021
 Layer Credits: USDA Risk Management Agency
 Map Projection: UTM Zone 15N

RMA Actuarial, Prices, and Filing Division

WQ Urban Infrastructure:

During FY21, IDALS expended \$165,518.70 from the Water Quality Urban Infrastructure Fund. Funding in this program will be used to provide financial and technical assistance to communities to install urban stormwater and other water quality related practices. IDALS released a funding opportunity in FY21 for new urban water quality infrastructure project funding. There are currently 17 projects obligated/underway, with total estimated costs exceeding \$8.4 million, with over \$1.4 million obligated from the WQ Urban Infrastructure Fund. In addition to the project listed below, \$109,018.70 was expended in FY21 with Iowa State University to help quantify and track efforts related to the Nutrient Reduction Strategy implementation. Information related to this effort is available at: www.nutrientstrategy.iastate.edu/documents

FY21 Expenses

HUC 8 Watershed Name	County	Amount Expended FY21	Total Costs	Practice/Item	Applicant
Upper Iowa	Winneshek	\$ 56,500.00	\$274,830.00	Soil Quality Restoration, et al	Vesterhiem Norwegian-American Museum

FY21 Projects Underway

Applicant/Community	Practice(s)	County	Watershed (HUC8)
Polk County Conservation Board	Stormwater Wetland	Polk	Lake Red Rock
Vesterheim Norwegian-American Museum (Decorah)	Soil Quality Restoration, et al	Winneshek	Upper Iowa
City of Dyersville	Stormwater Wetland	Dubuque	Maquoketa
Calhoun SWCD (Lake City)	Bioretention Cells, et al	Calhoun	North Raccoon
City of Belmont	Permeable Pavers, Bioretention Cells	Wright	Upper Iowa-Iowa River
City of Clive	Stormwater Wetland	Polk	North Raccoon
City of Elkhart	Stormwater Retention Ponds	Polk	South Skunk
Jefferson County Kids, Inc (Fairfield)	Bioretention Cells	Jefferson	Lower Skunk
City of Osceola	Bioretention Cells, et al	Clarke	Lake Red Rock
City of Polk City	Soil Quality Restoration	Polk	Middle Des Moines
City of Schleswig	Stormwater Retention Pond	Crawford	Blackbird-Soldier
City of Sioux Center	Stormwater Retention Pond	Sioux	Floyd
City of Sioux City	Soil Quality Restoration, Native Planting	Sioux	Missouri-Soldier
Trees Forever, Inc (Marion)	Native Planting, Bioretention Cells, et al	Linn	Lower Cedar
City of West Des Moines	Soil Quality Restoration, et al	Polk	North Raccoon
City of Wilton	Stormwater Wetland, et al	Muscatine	Lower Cedar
Dickinson County (Spirit Lake)	Stormwater Wetland	Dickinson	Little Sioux

IDALS released an RFP for new urban water quality infrastructure project funding on October 1, 2021.

More information about the initiative can be found at www.CleanWaterIowa.org.

Fund Status

	<u>WQ Ag</u> <u>Infrastructure</u>	<u>WQ Urban</u> <u>Infrastructure</u>	<u>WQ Admin</u>	<u>TOTAL</u>
FY21 Funding	14,400,000.00	2,306,709.46	696,112.89	17,402,822.35
Balance 6/30/20 Brought Forward	5,734,651.77	998,816.05	364,849.17	7,098,316.99
FY21 Interest to Date	-	-	25,592.02	25,592.02
FY21 Revenues to Date	39,264.87	-	-	39,264.87
FY21 Expenditures to Date	3,092,178.21	165,518.70	360,312.04	3,618,008.95
Obligated/Encumbered	17,081,738.43	3,140,006.81	726,242.04	20,947,987.28
Unobligated	-	-	-	-

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