

**DANE COUNTY 2019 ANNUAL WORK PLAN
LOCALLY-IDENTIFIED PRIORITIES**

Table 1: Planned activities and performance measures by category

CATEGORY (goal and objective from LWRM plan can be added in each category)	PLANNED ACTIVITIES WITH BENCHMARKS If applicable identify focus areas, e.g. HUC 12 watershed code	PERFORMANCE MEASUREMENTS
<ul style="list-style-type: none"> • <i>Cropland</i> 		
<p>Cropland, soil health and/or nutrient management</p> <p>LWRMP Goals/Objectives</p> <ul style="list-style-type: none"> • I. A. Reduce the quantity of sediment and nutrients reaching surface water and groundwater. • I. B. Improve soil health to reduce soil erosion, improve infiltration and reduce nutrient losses. • I. G. Build awareness regarding economic and environmental value of developing and implementing a nutrient management plan. 	<p>Cropland Practices</p> <ul style="list-style-type: none"> • Cover Crops: estimated 3,000 acres • Diversion: 1 project, estimated 400 ft • Grade Stabilization Structures: 5 projects • Grassed/Lined Waterways: 20 projects, estimated 20 acres • Terrace: 1 project, estimated 1,000 ft • LDMI: 1 project <p>Nutrient Management</p> <ul style="list-style-type: none"> • Develop new NMPs covering approximately 1,875 acres cost-shared with DATCP funds • Host 1 workshop for new producer-written NMPs covering approximately 1,500 acres • Host 2 refresher workshops for past participants of producer-written NMP workshops • Review approximately 50 submitted NMPs • Implement winter spreading permit requirements under Chapter 49 (~50 new permits) <p>Landscape Assessments</p> <ul style="list-style-type: none"> • Conduct spring crop and tillage survey (approximately 430 sites) • Partner with UW-Madison to analyze historical crop and tillage survey data (1994 to present) • Continue mapping acres covered by NMPs • Develop winter spreading slope shapefile using LiDAR for Chapter 49 winter spreading permits 	<p>Type and units of practice(s) installed Amount of cost-share dollars spent # lbs of P reduced (calculated for targeted watersheds only)</p>

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- *Livestock*

<p>Livestock</p> <p>LWRMP Goals/Objectives</p> <ul style="list-style-type: none"> • I. A. Reduce the quantity of sediment and nutrients reaching surface water and groundwater. • I. B. Improve soil health to reduce soil erosion, improve infiltration and reduce nutrient losses. • I. G. Build awareness regarding economic and environmental value of developing and implementing a nutrient management plan. 	<p>Livestock Practices</p> <ul style="list-style-type: none"> • Roof Runoff Systems: 4 projects • Underground Outlets: 3 projects • Stream Crossings: 6 projects • Manure Storage Closure: 5 projects • Waste Transfer: 1 project • Access Road: 2 projects, estimated 560 ft • Livestock Pipeline: 8 projects • Grazing Plans: 6 projects <p>Landscape Assessments</p> <ul style="list-style-type: none"> • Continue mapping locations of installed, cost-shared practices • Continue mapping the location of manure storage facilities • Implement certificate of use requirements under Chapter 49 for manure storage facilities • Implement manure storage permits under Chapter 49 for new, modified or abandonment of manure storage facilities 	<p>Type and units of practice(s) installed Amount of cost-share dollars spent # lbs of P reduced (calculated for targeted watersheds only)</p>
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- *Water quality*

<p>Water quality/quantity</p> <p>LWRMP Goals/Objectives</p> <ul style="list-style-type: none"> • I. A. Reduce the quantity of sediment and nutrients reaching surface water and groundwater. • III. A. Encourage new methods of water quality improvement. • IV. A. Protect, restore and stabilize streambanks and shorelines. 	<p>Water Quality</p> <ul style="list-style-type: none"> • Streambank Protection: 2 projects, estimated 1,000 ft • Harvestable Buffers: 2 projects, estimated 10 acres • Continue implementation of Dane County’s sediment removal project (aka “Suck the Muck”), estimated 2 miles of stream <p>Water Quantity</p> <ul style="list-style-type: none"> • Continue to provide staffing support to the Yahara Chain of Lakes – Lake Levels Task Force • Continue to assess and work with landowners with regard to 2018 storm damage projects 	<p>Type and units of practice(s) installed Amount of cost-share dollars spent # lbs of P reduced (calculated for targeted watersheds only)</p>
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• *Invasive*

<p>Invasive species</p> <p>LWRMP Goals/Objectives</p> <ul style="list-style-type: none"> • IV. E. Develop/expand invasive species programs aimed at preventing introduction of new species and reducing existing species. • V. D. Educate and inform the public about the threats posed by aquatic and terrestrial invasive and exotic species. 	<p>Surveys</p> <ul style="list-style-type: none"> • Planned point-intercept survey on Yahara River between LaFollette and Stoughton <p>Management plans</p> <ul style="list-style-type: none"> • Updated county's AIS plan as needed • Update AIS signage throughout the county <p>Control</p> <ul style="list-style-type: none"> • Continue eradication program for Yellow Floating Heart in a small pond in Northern Dane County • Wetland Invasive Plan (WIP) pilot project to encourage citizen participation in the Purple Loosestrife Biocontrol Program • Continue Clean Boats Clean Waters programming at public boat landings • Continue carp management programs on Fish, Mud, Crystal and Indian Lakes • Continue aquatic plant management harvesting program according to the management plan, harvesting maps and DNR permits 	<p># surveys completed</p> <p># lbs. of carp removed</p> <p># hours logged at boat landings</p>
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• *Wildlife*

<p>Wildlife-Wetlands-Habitat</p> <p>LWRMP Goals/Objectives</p> <ul style="list-style-type: none"> • II. A. Reduce the rate of urban expansion by preserving priority farmlands and open space. • IV. A. Protect, restore and stabilize streambanks and shorelines. • IV. C. Restore wetland and upland habitat. • IV. D. Minimize conversion of wetlands to agricultural and urban development. • V. A. Make grants available to local units of government and non-profits to protect and enhance land and water resources. 	<p>Wetlands</p> <ul style="list-style-type: none"> • Wetland Restoration: 4 projects, estimated 16 acres <p>Wildlife programs</p> <ul style="list-style-type: none"> • Continue to participate in APHIS programs • Continue to participate in deer and turkey donation programs <p>Plant sales</p> <ul style="list-style-type: none"> • Continue to manage and participate in the Plant Dane Program offering native plants at discounted prices and plant donations to organizations <p>Habitat programs</p> <ul style="list-style-type: none"> • Create and implement Dane County 	<p># acres of wetland restored</p> <p># plants sold/donated</p> <p># acres in Conservation Cover Program</p> <p># acres protected by conservation and agricultural preservation easements</p> <p># miles of streams protected with easements</p> <p># CRP contracts assisted</p>
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	<p>Conservation Cover Program pilot project, goal of 300 acres</p> <ul style="list-style-type: none"> • Continue to implement conservation and agricultural preservation easement programming • Continue to implement streambank easement program • Continue to assist with implementing CRP and CREP under a contribution agreement with NRCS <p>Landscape Assessments</p> <ul style="list-style-type: none"> • Small scale fish surveys on Lakes Waubesa and Kegonsa identifying sensitive indicator fish species and document valuable or critical habitats 	
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• *Urban*

<p>Urban issues</p> <p>LWRMP Goals/Objectives</p> <ul style="list-style-type: none"> • I. D. Improve and enhance erosion control and stormwater management runoff to reduce the quantity of runoff and improve the quality of runoff. • V. A. Make grants available to local units of government and non-profits to protect and enhance land and water resources. • V. H. Work with agencies, consultants, contractors and developers to ensure erosion control and stormwater management requirements are met. 	<p>Stormwater control</p> <ul style="list-style-type: none"> • Review and issue storm water management plans and permits • Conduct storm water management compliance inspections and enforcement <p>Erosion control</p> <ul style="list-style-type: none"> • Review and issue erosion control and shoreland erosion control plans and permits • Conduct erosion control and shoreland erosion control compliance inspections and enforcement <p>Grants</p> <ul style="list-style-type: none"> • Continue to implement the Urban Water Quality Grant Program 	<p># inspections # plans reviews # permits issued # compliance issues resolved # of grants issued and dollars awarded</p>
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• *Watershed*

<p>Watershed strategies</p> <p>LWRMP Goals/Objectives</p> <ul style="list-style-type: none"> • I. A. Reduce the quantity of sediment and nutrients reaching surface waters and groundwater. 	<p>Phosphorus Compliance Programs</p> <ul style="list-style-type: none"> - Active Service Agreement(s) <ul style="list-style-type: none"> • Yahara WINS Adaptive Management - Projects under Discussion/Service Agreement(s) being Developed <ul style="list-style-type: none"> • Dane-Iowa Adaptive Management • Cross Plains Water Quality Trading 	<p># meetings attended/presentations given</p>
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<ul style="list-style-type: none"> • I. B. Improve soil health to reduce soil erosion, improve infiltration and reduce nutrient losses. • III. A. Encourage new methods of water quality improvement. • IV. A. Protect, restore and stabilize streambanks and shorelines. • V. C. Support individuals along with watershed groups and organizations in their education of citizens about resource improvement; pollution prevention. • V. F. Promote partnerships to leverage funding and resources for conservation practices in order to target funding or resource gaps in the county. 	<ul style="list-style-type: none"> • Lodi Adaptive Management • Deerfield Adaptive Management • Cambridge Adaptive Management • Blue Mounds Adaptive Management • New Glarus Water Quality Trading • Brooklyn • Belleville • Mt. Horeb <p>Farmer-Led Watershed Groups</p> <ul style="list-style-type: none"> • Provide assistance as requested to Yahara Pride Farms and Farmers for the Upper Sugar River <p>Local Watershed Strategies</p> <ul style="list-style-type: none"> • Assist with updating the Yahara CLEAN report • Implementation of the Door Creek Watershed Implementation Plan • Assist watershed groups with the development of watershed strategies and planning 	
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Table 2: Planned activity related to permits and ordinances

Permits and Ordinances	Plans/application reviews anticipated	Permits anticipated to be issued
Feedlot permits	n/a	n/a
Manure storage construction and transfer systems	5	5
Manure storage closure	5	5
Livestock facility siting	n/a	n/a
Nonmetallic/frac sand mining	n/a	n/a
Stormwater and construction site erosion control	300	300
Shoreland zoning	n/a	n/a
Wetlands and waterways (Ch. 30)	n/a	n/a
Other		
Winter Spreading Permits (Ch. 49 DC Ordinance)	50	50
Certificate of Use (Ch. 49 DC Ordinance)	50	50

Table 3: Planned inspections

Inspections	Number of inspections planned
Total Farm Inspections	250
For FPP	225
For NR 151	25
Animal waste ordinance	30
Livestock facility siting	n/a
Stormwater and construction site erosion control	300
Nonmetallic mining	n/a

Table 4: Planned outreach and education activities

Activity	Number
Tours	1
Field days	3
Trainings/workshops	8
School-age programs (camps, field days, classroom)	2
Newsletters	12
Social media posts	50
News release/story	5

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Table 5: Staff Hours and Expected Costs (staff can be combined or listed individually)

Staff/Support	Estimated Hours	Estimated Costs (Salary + Fringe)
County Conservationist	2,080	\$130,000
Engineer	2,080	\$118,000
Soil & Water Conservationist (x2)	4,160	\$204,000
Conservation Specialist (x6)	12,480	\$460,000
Conservation Technician (new position)	2,080	\$90,000
LTE (x2)	2,400	\$57,000
Cost Sharing (can be combined)		
Bond (State)	n/a	\$45,000
Bond (County)	n/a	\$1,000,000
SEG (State)	n/a	\$75,000
EQIP (Federal)	n/a	\$300,000
Other (Grants)	n/a	\$50,000

Table 6: HUC12s with Targeted Watershed Projects

HUC12	Name	Project Name
070700050503	Halfway Prairie Creek	Dane Iowa-Adaptive Management
070700050504	Lower Black Earth Creek	Dane Iowa-Adaptive Management
070700050502	Middle Black Earth Creek	Dane Iowa-Adaptive Management
070700050501	Upper Black Earth Creek	Dane Iowa-Adaptive Management
070700050204	Spring Creek	Lodi-Adaptive Management
070900020502	100 Mile Grove Cemetary	Yahara WINS-Adaptive Management/RCPP
070900020803	Badfish Creek	Yahara WINS-Adaptive Management/RCPP
070900020504	Cherokee Lake-Yahara River	Yahara WINS-Adaptive Management/RCPP
070900020903	City of Stoughton-Yahara River	Yahara WINS-Adaptive Management/RCPP
070900020901	Door Creek	Yahara WINS-Adaptive Management/RCPP/Impaired Waters Project
070900020501	Goose Lake-Yahara River	Yahara WINS-Adaptive Management/RCPP
070900020902	Lake Kegonsa-Yahara River	Yahara WINS-Adaptive Management/RCPP
070900020604	Lake Mendota-Yahara River	Yahara WINS-Adaptive Management/RCPP
070900020702	Lake Monona-Yahara River	Yahara WINS-Adaptive Management/RCPP
070900020703	Lake Waubesa-Yahara River	Yahara WINS-Adaptive Management/RCPP
070900020801	Oregon Branch	Yahara WINS-Adaptive Management/RCPP
070900020603	Pheasant Branch	Yahara WINS-Adaptive Management/RCPP
070900020802	Rutland Creek-Badfish Creek	Yahara WINS-Adaptive Management/RCPP

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HUC12	Name	Project Name
070900020602	Sixmile Creek	Yahara WINS-Adaptive Management/RCPP
070900020701	Starkweather Creek	Yahara WINS-Adaptive Management/RCPP
070900020904	Stoughton Airfield-Yahara River	Yahara WINS-Adaptive Management/RCPP
070900020503	Token Creek	Yahara WINS-Adaptive Management/RCPP
070900020601	Waunakee Marsh-Sixmile Creek	Yahara WINS-Adaptive Management/RCPP
070900020905	Yahara River	Yahara WINS-Adaptive Management/RCPP