

PR&D – **Water Quality Work Plan Revision #4 (04.03.2018)**

Area of Activity	Overall Goal	Objectives	Key Strategies	Suggested Action Steps	Responsibility	2018 Priorities
General Water Quality	Measurably improve the quality of surface and ground water in the county.	Increase public awareness of water quality problems and solutions	Maintain active public outreach and education Establish partnerships with supportive agencies and organizations Incorporate soil health practices as a water quality priority	Develop a resource guide to consolidate and share information about county programs on water quality: policy tools, watershed projects, demo farm, grant projects, incentive programs, field and pasture days, urban and shore land projects. Develop a resources guide <u>Develop an outreach program to inform and engage discussions with local government officials about County water quality initiatives</u>	Land and Water Conservation Water Quality Specialist Extension Community Resources and Tourism	<u>Develop and implement a plan to create a County Resources Guide on water quality initiatives</u>
Surface Water Quality	Remove targeted streams and lakes from the state's impaired waters list	By 2020 reduce by 20% (4) the number of impaired waterbodies in Dunn County	Identify priority water bodies and coordinate with other organizations and entities to implement remediation	Support the development of demonstration farms to showcase best practices for manure management, soil health and	Land and Water Conservation Extension Partnership	

			strategies Monitor, maintain and widely share public records on surface water quality	conservation practices Expand participation in farmer-led watershed projects	with agencies and organizations	
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Surface Water Quality	Significantly improve management practices for manure storage and spreading, and reduce contaminants from entering surface water Significantly increase the adoption of effective soil health and soil conservation practices by farmers in the county.	Increase the percentage of farms with updated and/or new NMPs Increase the percentage of farms and number of acres (%,#?) using soil health and conservation practices	Pilot test financial and other incentives to farmers for creating NMPs and adopting priority conservation practice Expand farmer-to-farmer information networks Assist farmers in accessing funds to support adoption of management & conservation practices Broaden partnerships to include Agriculture (Community)	Explore options for providing a county “certification” to farmers who adopt and maintain approved conservation practices Explore options for development of a county-wide soil health and conservation network for farmers – sponsor farmer forum – utilize DATCP funds.	Land and Water Conservation Water Specialist Extension Community Partners	<u>Develop a report with recommendations of streams that are priority candidates for action and removal from the impaired waters listing</u>

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Ground Water Quality	Insure that information about water quality is widely available and insure that citizens have access to clean and safe drinking water	<p>Stabilize and reduce the overall levels of Nitrates and other contaminates in Ground Water</p> <p>Establish and maintain a county database on groundwater test data</p>	<p>Implement a well testing outreach program to encourage and facilitate annual testing of private well water and repair of substandard or abandoned wells</p> <p>Focus on wells in areas of high susceptibility, located near unused or deficient wells in areas adjacent to CAFOs, <u>intense residential development</u> or other concentrated use</p>	<p>Research and initiate a model for establishing a county program that aligns both with needs and resources.</p> <p>Explore options for volunteer support, civic engagement and partnership</p> <p>Utilize data from existing Public Health testing</p> <p>Develop a Ground Water/Wells data base/report that includes analysis of Ground Water data</p> <p>Develop a Ground Water education program</p>	<p>Land and Water Conservation</p> <p>Water Specialist</p> <p>Public Health Extension</p>	<p><u>Develop a report that provides options for establishing a county program to monitor groundwater quality and quantity. Provide associated cost estimates for these options.</u></p>

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Ground Water Quantity	Build a base of knowledge about water quantity levels and the impacts of withdrawals for irrigation and weather patterns <u>Develop a Ground Water education program including Ground Water fundamentals and a holistic view of Ground Water as a system</u>	Provide baseline data on water table and monitor changes over time	Incorporate water level data into county groundwater program Focus on areas of the county with significant use of high capacity wells	<u>Review status of current groundwater level monitoring activities in county</u>	Land and Water Conservation Water Quality Specialist Public Health	
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Policy	Provide fair and efficient county policies and regulations that protect the interests of farmers and the general public	Create a regulatory structure that provides for reasonable enforcement of existing rules, while encouraging voluntary compliance	Update current manure management ordinance	<u>Review proposed updates to Manure Mgmt. Ordinance</u> <u>PR&D members will review and discuss information and presentations from DATCP regional update meeting.</u>	Land and Water Conservation <u>Staff</u> Corporation Counsel Land and Water Conservation Planning/Zoning	<u>PR&D will review and consider action on proposed Manure Mgmt. Ordinance.</u> <u>PR&D members will attend DATCP regional meeting with follow-up discussion on</u>

			<p>Consider options for providing citation authority for county staff</p> <p>Consider establishing a county-wide Livestock Operations Ordinance</p>	<p>Review new DATCP findings with PR&D</p> <p><u>Corporation Counsel develops draft of citation authority ordinance for committee discussion</u></p>	<p><u>Corporation Counsel</u></p>	<p><u>relevant issues in the committee meetings.</u></p> <p><u>PR&D will review citation authority options and consider action</u></p>
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