

# Walnut Creek WMA 2018 Action Plan

Goal/Task	Desired Outcome	2018 Goal	Responsible Entity	Progress Report
<b>Goal: Education and Outreach</b>				
Objective: Educate Watershed Residents				
Watershed Festival	Improve local awareness and provide service opportunities	Host Fall festival	Watershed Coalition/WMA	
Soil Health Educational Campaign	Improve understanding of soil health, restore degraded soils	Local residents install soil quality restorations (50 no.)	WMA/Jurisdictions	
Regional Watershed Interpretive Signage Program	Improve local awareness of watershed			
Social Marketing Campaign	General education and promotion of watershed information			
Website/Overview Brochure	Increase awareness of the WMA and inform/engage local residents	Complete website and brochure. Link to and share via member jurisdictions	Polk SWCD /Jurisdiction	
Agricultural Field Day	Increased adoption of conservation practices	Host 1 agricultural field day	Polk/Dallas SWCD	
Objective: Educate elected officials and staff				
Green Infrastructure Conference	Improve understanding of regulatory ordinances and enforcement, implementation and maintenance urban conservation practices	Host conference in Des Moines Metro Area	WMA/MPO/ISWEP/PSWCD	
Elected Officials	Update on WMA activities	Provide annual written and/or presentation update (spring)	Polk SWCD	
Watershed Tours	Highlight WMA accomplishments, share opportunities	Host annual metro wide WMA tour and Walnut WMA tour in conjunction with quarterly meeting	Polk SWCD/Jurisdiction	
Floodplain Restoration Tour	Improve understanding of floodplain ecological management	Host tour of restored floodplain in SE Iowa	Polk SWCD/The Nature Conservancy	
<b>Goal: Watershed Planning</b>				
Streambank Stabilization Modeling*	Develop a method of addressing this major watershed issue the most cost effect and efficient manner	Share GIS information by community, determine ranking criteria, develop a long term prioritization list	WMA/Jurisdictions	
Natural Resources Overlay District*	Ensure consistent implementation, protection, and mitigation across the watershed	Develop a sub-committee to prioritize and identify resources	WMA/Jurisdictions	
ACE/FEMA Watershed Study	Develop upstream avoidance strategies and a cost avoidance metric	Complete watershed analysis and review collaboratively	WMA/Jurisdictions	
Agricultural Conservation Planning Framework (ACPF)	Utilize ACPF to facilitate ag practice implementation	Complete conservation plans on 5 farms	Polk SWCD/Dallas SWCD/ ISA	
Greenway Master Planning*	Ensure connectivity and maximum benefits from a greenway network	Develop a sub-committee to determine needs/opportunity, procure funds to hire engineering consultant	WMA/Jurisdictions	

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<b>Goal: Development Regulations</b>				
Stormwater Management Ordinance	Watershed adoption of a unified stormwater ordinance that meets WMP recommendations	Develop a model ordinance	WMA/MPO/PSWCD	
Floodplain Development Ordinance	Implement unified floodplain development ordinance	Develop an ordinance that fits local needs and watershed goals	WMA/MPO/PSWCD	
Stream Buffer Ordinance	Implement unified stream buffer ordinance across watershed	Collaborate into regional greenway planning effort	WMA/MPO/PSWCD	
Erosion and Sediment Control Program	Develop a model unified program to improve erosion and sediment control	Assess plan review, inspection, and enforcement protocols for improvement	WMA/MPO/PSWCD	
<b>Goal: Implementation</b>				
<b>Capital Improvements</b>				
Increase Water Storage Capacity	Implement local/regional practices that follow the unified sizing criteria	Increase storage by 20 ac-ft.	WMA/Jurisdictions	
Install/retrofit ISWMM practices on a street project	Find and implement opportunities within each community		WMA/Jurisdictions	
Implement ISWMM Practices	Track implementation, gain experience with practices, and promote education	Install 1 urban conservation project in each community	WMA/Jurisdictions	
<b>Agricultural Practice Implementation</b>				
Nutrient Reducing Practices	Reduce nutrient delivery from upstream agricultural areas	Install 3 edge of field practices (saturated buffers, bioreactors, and/or wetlands)	Polk/Dallas SWCD	
Cover Crops	Reduce nutrient/sediment delivery from upstream agricultural areas	200 ac.	Polk/Dallas SWCD	
Grassed Waterways	Reduce nutrient/sediment delivery from upstream agricultural areas	5,000 lin. Ft.	Polk/Dallas SWCD	
<b>Water Monitoring</b>				
Water Monitoring	Install equipment to track long term watershed improvements	Install monitoring equipment at station #1 or 2 from WMP (pg. 213)	Polk SWCD	
Developing Sub-Watershed Case Study	Complete a subwatershed study to quantify benefits of development ordinances	Finalize research methodology and implement equipment	Clive/Polk SWCD/DNR/ISU	
<b>Administrative</b>				
WMA Updates	Improved communication between WMA board representative and staff	Provide quarterly "take home sheet" following each WMA meeting and bi-annual watershed update	Polk SWCD	
WMA Activity Documentation	Create a WMA progress document that will be used to track implementation and activities	Collect MS4 DNR Annual Report and document watershed implementation	Polk SWCD	