

**Table Fi 3 Action Item Summary by Subwatershed: Fish Creek**

12-digit HUC/ Water Body	Sed	Nutrients	Flooding	Habitat	Recreation	Category/Practices	Target amount by 2023	Units	Cost	Sed. (tons/ yr)	N (lb/ yr)	P (lb/ yr)
<b>041100020305 (part)</b>												
<b>Riparian Restoration</b>												
Fish Creek	√	√	√	√		Restore Streambank (Bio-Engineering/ re-contouring/ re-grading)*	3,000	Linear Feet	\$25-200/lf	34	54	20
Fish Creek & tribs	√	√	√	√		Plant Native plants, trees, or shrubs in Riparian Areas	25	Acres		25	200	35
Fish Creek & tribs				√		Remove/treat Invasive Species	40	Acres				
<b>Stream Restoration</b>												
Fish Creek	√	√	√	√		Restore Flood Plain	50	Acre-foot		22	300	41
Fish Creek & tribs			√			Hydrological study in flood-prone area	1	study				
tribs				√		Feasibility Study to remove small dams	1	study				
<b>Wetland Restoration</b>												
Fish Creek	√	√	√	√	√	Reconstruct/reconnect/ restore Wetlands	100	Acres	\$5k-100k/ac.	100	2800	632
<b>Home Sewage Treatment Systems</b>												
Fish Creek watershed		√				Obtain correction of failing HSTS	10	HSTS			311	122
<b>Urban runoff and green infrastructure</b>												
Fish Creek watershed	√	√	√			Rain gardens	6,000	sq feet	\$150,000		0.5	0.1
Fish Creek watershed	√	√	√			Bioinfiltration/ permeable pavement - parking lot retrofit	10,000	square feet		0.04	2.2	0.2
Fish Creek watershed	√	√	√			Storm water inventory	1	inventory				
Fish Creek watershed	√	√				Stormwater water quality retrofits	60	acres treated (50% wq inlet+sand filter, 50% wetland)	\$400-17k/ ac	4.5	70	10.2

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Fish Creek watershed	√	√				Retrofit drainage - no-mow/ veg swale/ daylighting	1,000	linear feet		0.1	0.8	0.4
Middle Cuyahoga River	√	√	√			Neighborhood-scale green infrastructure	1		\$25-50k design \$20k bumpout	5	200	25
						<b>Conservation Easements</b>						
Fish Creek watershed	√	√	√	√	√	Acquire Wetlands/ easements	75	Acres	\$5-25k/ac	prevent 75	prevent 2100	prevent 474
						<b>Education and Outreach</b>						
Fish Creek watershed	√	√	√	√	√	Develop Brochures/Fact Sheets	10	Brochures/Fact Sheets				
						Websites	1	Website				
						Install Signs	5	Signs	\$200-500/ sign			
						Stream Clean-Ups	3	Clean-Ups				
						New lake/stream stewardship groups	1	new group active				
						Conduct Workshops/ training	5	Workshops				
						Develop Manual(s)	1	Manuals				
						Rain barrel workshops	50	rain barrels				
						Develop Newsletters	10	Newsletters				
						<b>Local Policy</b>						
Fish Creek watershed	√	√	√	√		Green code audit/update Develop or Customize	2	audits/ updates				
Fish Creek watershed	√	√	√	√		Adoption of Riparian setback**	1	Jurisdictions		prevent 14	prevent 200	prevent 35
						<b>Monitoring</b>						
Fish Creek watershed		√		√		Chemical Sampling	3	Sites				
	√			√		Habitat (QHEI/HHEI) Sampling	5	Sites				
	√	√	√	√	√	Maintain stream database	1	database				

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HUC 041100020305 (part)

12-digit HUC/ Body	Water	Sed	Nutrients	Flooding	Habitat	Recreation	Category/Practices	Target amount by 2023	Units	Cost	Sed. (tons/ yr)	N (lb/ yr)	P (lb/ yr)
							<b>Recreation</b>						
Fish Creek		√	√	√	√	√	Acquire conservation land for trail loop	20	ac				
Fish Creek						√	Construct trail	3	mi				
Fish Creek						√	Construct access sites	1	site				
Fish Creek watershed						√	Economic benefit study	1	study				
Fish Creek watershed						√	Develop quest(s)/ virtual watershed tour	2 quests/ 1 tour					
<i>Total</i>											341	4,049	892

\* Streambank erosion is a minor consideration. The primary reasons for restoring streambank are flood management and habitat. Pollutant loading calculated for 200 lf of eroding bank.

\*\*assume 36,000 lf x 30' = 25 ac., treats 7x area