

## CHAPTER 9: ELEMENT G. - MILESTONES

The following prioritized goals state water quality improvements with specific targets for reducing pollutants or mitigating impacts. Below each goal is a list of interim measurable milestones as well as expected dates of completion for each milestone. These are short-term milestones. Long-term milestones will be developed as planning continues.

**Goal:** *Capture the first 1.14 inch of rainfall in rainscaping projects to reduce primary and secondary pollutants of concern. See Table 4-8 on page 4-11 for the estimated number of rainscaping BMPs to be installed in 5-year periods and the minimum estimated load reductions for E. coli, sediment (TSS) and nutrients (TP & TN).*

### Milestones

Milestones	Date
1. Implement Orientation/Training Sessions for the Rainscaping Cost Share Program.	February Annually
2. Develop a database of names and contact information for all residential landowners who live in identified priority sub-watersheds.	April 2021
3. Rainscaping Cost-share Application Review & Evaluation	June Annually
4. Ground-truth Rainscaping Cost Share Spring Installs and process completion forms	July Annually
5. Rainscaping Cost Share Awards Announced	July Annually
6. Provide rainscaping signs for willing homeowners to display	July & Oct. Annually
7. Ground-truth Rainscaping Cost Share Fall Installs and process completion forms	October Annually
8. Publicize and conduct rainscaping training sessions for interested professionals.	Ongoing

**Goal:** *At least 9 tons of trash, leaf litter, and/or organic debris removed or prevented from entering Deer Creek annually.*

### Milestone

Milestone	Date
1. Conduct annual volunteer trash clean ups in the watershed.	Annually
2. Establish a pilot “water goat” trash collector in Deer Creek.	February 2021
3. Invite municipal reps to share with each other strategies for encouraging landowners to refrain from dumping leaf litter in streams at the Community Leaders Task force meeting. Document and share strategies.	April 2023
4. Identify municipalities interested in a leaf litter reduction outreach campaign.	April 2023
5. Include an article on lawn care tips for the fall annually in the Deer Creek Watershed Alliance fall email newsletter.	Annually

**Goal:** *Reach state water quality criteria for E. coli levels in Deer Creek by 2040.*

### Milestones

Milestones	Date
1. Identify septic systems in the Deer Creek Watershed.	December 2022
2. Design and pilot an inspection, maintenance, and replacement cost-share program for septic systems.	December 2023

3. Target market septic system cost-share program to streamside landowners with septic systems.	March 2024
4. Include an article on the importance of picking up pet waste in the Deer Creek Watershed Alliance email newsletter.	Annually
5. Eliminate constructed sanitary sewer overflows BP-008, BP-155, BP-170, BP-181 BP-183, BP-187, BP-198, BP-203, BP-333, BP-343, BP-348, BP, 349, BP-440, BP-495, BBP-545, BP-555, BP-556, BP-587 and BP-591	December 2023
6. Eliminate constructed sanitary sewer overflows BP-013, BP-017, BP-018, Bp-151, BP-156, BP-194, BP-340, BP-496, BP-501, BP-578, BP-583, BP-623,	December 2028
7. Eliminate combined sewer overflows from outfalls 103, 104, 105, 106, 111, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 130, 131,134,136, 137, 138, 139, 140, 176.	December 2030
8. Eliminate constructed sanitary sewer overflows BP-003, BP-004, BP-014, BP-015, BP-016, BP-094, PB-158, BP-196, BP-605, BP-634	December 2033
9. Develop and maintain a map of the area streams, storm sewers and storm sewer outfalls.	Ongoing Ongoing
10. Survey the creeks for illicit connections to storm sewers, illegal dumping, and failing septic systems.	Ongoing
11. Develop and implement a program to detect and eliminate illicit discharges into area streams	

**Goal:** *Reach state water quality criteria for chloride levels in Deer Creek by 2050.*

Milestones	Date
1. Collect salt usage and chloride data.	Ongoing
2. Develop content for a brining training workshop on road salt applicators and maintenance crews on private developments.	June 2023
3. Identify outreach strategy to road salt applicators and maintenance crews on private developments for a brining training workshop.	July 2023
4. Conduct a brining training workshop for road salt applicators and maintenance crews on private developments.	September 2023
5. Include an article on salt alternatives and other de-icing tips in the Deer Creek Watershed Alliance email newsletter.	Annually
6. Develop a TMDL for chloride for Black Creek and Deer Creek and gain EPA approval.	December 2025

**Goal:** *At least 2000 linear feet or 10 acres of riparian corridor restored and appropriately landscaped to reduce impacts on erosion, sedimentation, and creek widening by 2040.*

Milestones	Date
1. Implement Phase I and remaining phases of Deer Creek Preserve with trail along riparian corridor in Ladue.	June 2023
2. Facilitate the purchase and set-aside of development rights of Brentwood wetland property at Brentwood Blvd. and Marshall Ave.	June 2023
3. Design planting plan for wetland at Brentwood property.	December 2023

4. Implement planting plan for wetland at Brentwood purchased property.	December 2024
5. Organize and implement invasive species removal efforts in riparian corridors. Engage citizens in efforts.	Ongoing
6. Organize and implement tree planting efforts in riparian corridors. Engage citizens in efforts.	Ongoing
7. Publicize and conduct invasive species removal training sessions for interested professionals.	Ongoing

**Goal:** Finalize EPA accepted watershed plan updates in 2022 and in 2027

Milestones	Date
1. Submit 1 <sup>st</sup> draft of the updated 2022 watershed plan to MoDNR.	January 2021
2. Complete Draft 1 revisions of the updated 2022 watershed plan based on feedback from MoDNR and submit Draft 2.	December 2021
3. Complete Draft 2 revisions of the updated 2022 watershed plan based on feedback from EPA and submit final Draft 3.	July 2022
4. Gain acceptance of the updated 2022 Deer Creek Watershed Plan by Missouri Department of Natural Resources and U.S. Environmental Protection Agency.	December 2022
5. Gain acceptance and use of the updated 2022 Deer Creek Watershed Plan by municipalities in the watershed.	December 2023
6. Submit 1 <sup>st</sup> draft of the updated 2027 watershed plan to MoDNR.	July 2026
7. Complete Draft 1 revisions of the updated 2027 watershed plan based on feedback from MoDNR and submit Draft 2.	December 2026
8. Complete Draft 2 revisions of the updated 2027 watershed plan based on feedback from EPA and submit final Draft 3.	July 2027
9. Gain acceptance of the updated 2027 Deer Creek Watershed Plan by Missouri Department of Natural Resources and U.S. Environmental Protection Agency.	December 2027
10. Gain acceptance and use of the updated 2027 Deer Creek Watershed Plan by municipalities in the watershed.	December 2028
11. Provide modeled load reduction data for installed rainscaping projects	Annually
12. Deer Creek Technical Advisory Group meeting	Annually
13. Deer Creek Steering Committee meetings	Annually
14. Deer Creek Community Leaders Task Force Meeting	Annually
15. Evaluate watershed implementation successes and challenges	Ongoing