

Annual Dane County Yahara WINS Adaptive Management Report



Annual report on Dane County Land & Water Resources Department efforts assisting with the implementation of conservation practices that reduce phosphorus runoff for the Yahara WINS Adaptive Management project.



2025 Report Year

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Executive Summary

The Dane County Land & Water Resources Department (LWRD) continued its collaboration with the Yahara Watershed Improvement Network (WINS) to advance adaptive management within the Yahara watershed. Efforts included supporting rural landowners and producers in the voluntary implementation of conservation practices, as well as calculating and reporting the associated phosphorus reductions. This partnership celebrated its 14th year in 2025 and achieved continued success, which will be detailed further in this report.

Key 2025 Yahara Watershed Accomplishments

- Implemented 192 new conservation practices over the past year, resulting in a reduction of 11,751 pounds of phosphorus. When combined with previously implemented practices, the total phosphorus reduction in 2025 amounts to 26,783 pounds.
- Completed 343 practice verification checks to ensure that conservation practices were functioning properly.
- Entered into 87 cost-share agreements for conservation practices and systems.
- Allocated over \$1.3 million in cost-share assistance within the Yahara watershed.
- Tracked 66,143 acres of nutrient management plans within the Yahara watershed.
- Targeted implementation of cover crops in the Badfish Creek watershed through partnership with the Biological Farming Friends.
- Investment in long-term practices that will reduce phosphorus in the Yahara Watershed, including the Door Creek Restoration project and the Continuous Cover Program.



Conservation Practices

The Land Conservation Division within the Land and Water Resources Department (LWRD) at Dane County works to protect and improve local land and water resources while providing benefits to both the environment and agricultural operations. The division manages voluntary conservation-related projects and programs which includes the plan, design, and implementation of agricultural conservation practices to reduce soil erosion and protect water quality.

Planned Practices

At the beginning of 2025, 47 conservation practices were identified (Figure 1) where Dane County LWRD staff would provide planning assistance. Many of these planned practices were voluntarily implemented by landowners and, throughout the year, additional conservation practices were designed and implemented.

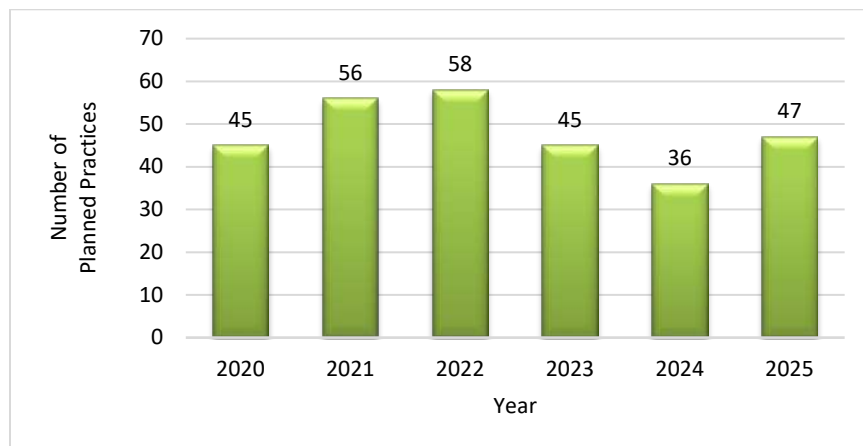


Figure 1. Number of planned conservation practices within the Yahara watershed identified in the Dane County annual work plan.

Implemented Practices

Over the last year, 192 conservation practices were implemented (Figure 2 and Figure 3) effectively reducing the amount of phosphorus that reaches nearby surface waters from runoff. The number of newly implemented practices aligns with increases in funding opportunities (Figure 5 and Figure 6). Cover crops again were the most common conservation practice implemented in 2025 with 6,264 acres. Fence and pipeline practices were also common in 2025 and are often associated with grazing systems. Other frequently implemented conservation practices include conservation cover, grassed waterways, and no-till management (Table 4 in the appendix).

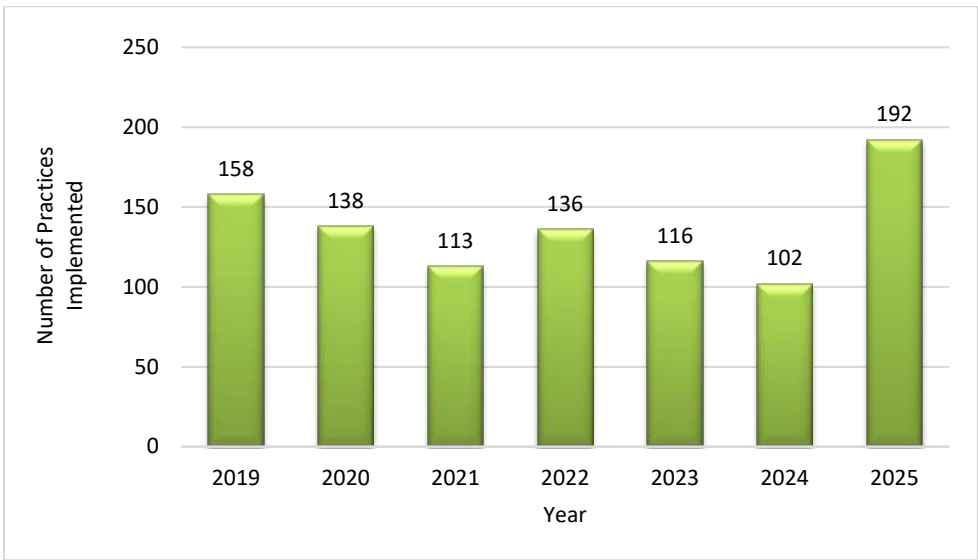


Figure 2. Number of conservation practices implemented within the Yahara watershed.



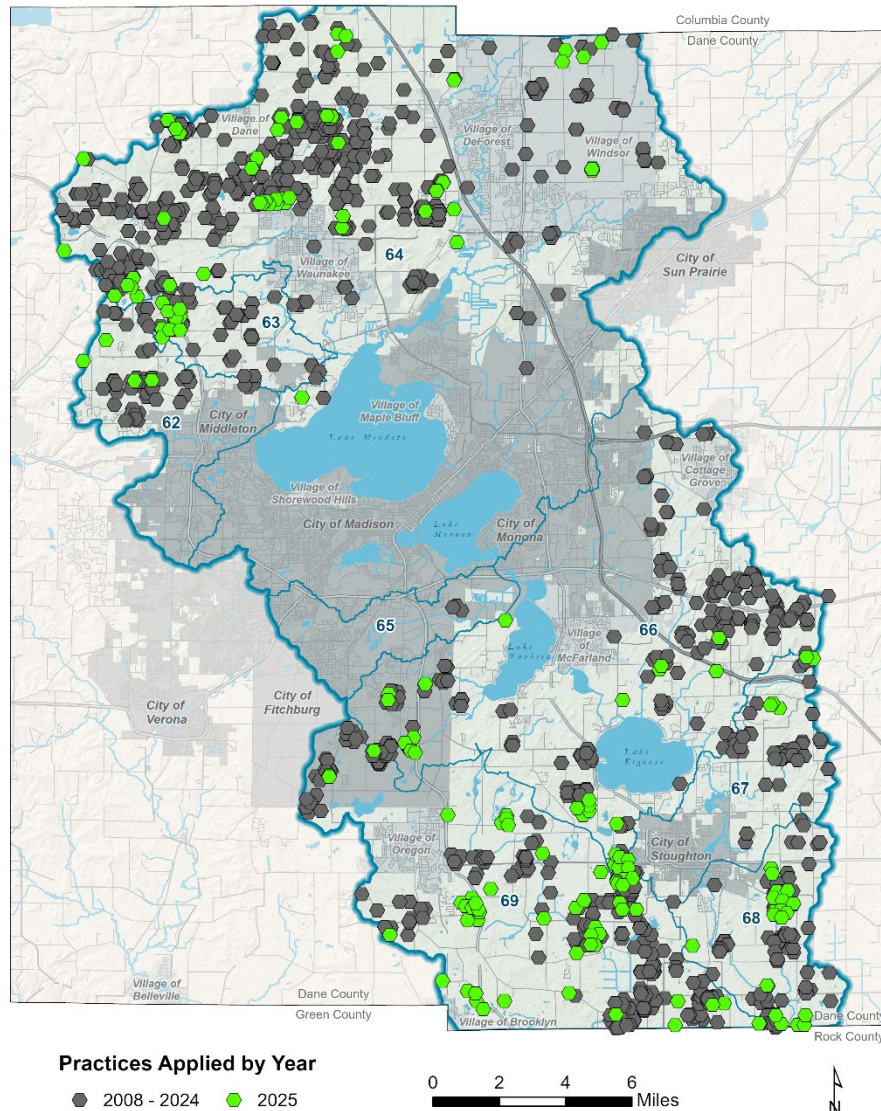


Figure 3. Conservation practices implemented in the Yahara Watershed.

Phosphorus Reductions

The implementation of new conservation practices in 2025 led to a reduction of 11,751.3 pounds of phosphorus. The pounds of phosphorus reduced from new conservation practices is considered *new* pounds. In contrast, previously established practices that are still functioning contributed to a reduction of 15,032.4 pounds of phosphorus, recognized as *carryover* pounds. In total, conservation practices achieved a reduction of 26,783.7 pounds of phosphorus in 2025.

Table 1 and 4, and Figure 8-Figure 15 (in the appendix) illustrate these reductions of phosphorus over time in the Yahara watershed and the corresponding TMDL reaches.

Table 1. New and carryover pounds of phosphorus reduced by TMDL reach annually.

TMDL Reach	2021 New	2021 Carryover	2022 New	2022 Carryover	2023 New	2023 Carryover	2024 New	2024 Carryover	2025 New	2025 Carryover
62	442.3	167.7	307.4	186.1	381.9	186.1	499.6	409.3	641.2	677.6
63	464.9	1,562.3	707.1	1,616.3	541.0	1,702.0	448.7	1,407.1	614.8	1,487.1
64	3,300.6	4,244.8	3,819.6	4,069.3	4,504.2	4,712	3,151.5	5,578.1	5,306.0	5,120.3
65	0.0	174.2	0.0	182.2	12.7	182.2	7.8	182.2	28.3	182.2
66	900.1	5,198.5	520.0	5,411.6	416.7	5,238.8	678.5	4,953.2	839.7	4,113.6
67	408.3	523.2	263.6	523.2	314.9	853.3	212.7	821.9	301.9	668.9
68	985.8	779.9	657.8	788.6	490.0	849.7	484.9	846.1	804.5	853.2
69	1,352.0	1,333.5	1,582.8	1,453.5	1,114.3	1,717.4	632.3	1,957.3	3,214.9	1,929.5
Total	7,853.9	13,984.1	11,594.4	16,870.7	7,775.8	15,541.5	6,116.0	16,155.2	11,751.3	15,032.4

Verification Checks

Dane County LWRD staff inspected all of the 343 conservation practices that were identified for verification this past year. Inspected practices were located in the following TMDL reaches: 64, 65, 66, 67, 68, and 69. From the inspections, 338 (98.5%) practices were found to be functioning and maintained, while 5 (1.5%) practices were not functioning (Figure 4). Reasons for these practices no longer functioning is because the agriculture land was converted to residential use.

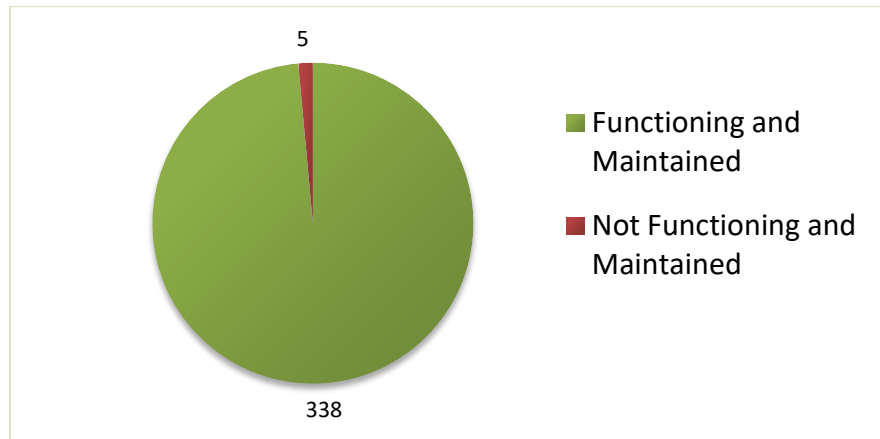


Figure 4. Field verification and review of conservation practices.

Funding Sources and Amounts

Dane County LWRD assisted with 87 new cost-share agreements with landowners, utilizing federal, county, and other funding sources (Figure 5) within the Yahara watershed. The total cost-share funding for these agreements was \$1,314,154.80 (Figure 6). Since 2013, Dane County has assisted with over \$9.6 million in cost-share assistance for conservation practices aimed at reducing phosphorus in the watershed. Dane County strives to utilize and leverage all funding sources available including federal, county, and other sources (i.e. Yahara WINS, Clean Lakes Alliance grants, etc.) to support landowners and producers with conservation practices. The available funds and conditions vary annually by funding source, and the number of agreements are dependent on the interest from landowners and producers for implementing conservation practices.

Under the current Service Agreement, Yahara WINS provides Dane County with \$540,000 for assisting with implementing conservation practices and the WINS Adaptive Management project. In 2025, \$117,565 was contracted for cost share assistance, directly to landowners and individuals, to aid in implementing phosphorus reducing conservation practices. Any remaining funds under the Service Agreement are rolled over into the next year. The remaining, approximately, \$415,000 was used to partially fund staff and equipment required to plan, design, implement, document, verify, and map the conservation practices and nutrient management plans that were reported to Yahara WINS.

Additionally, Yahara WINS provided \$400,000 in funding to support cover crop implementation in reaches 66, 67, 68, and 69 over two years (2025 and 2026). In 2025, \$353,000 was contracted for cover crop implementation. The Biological Farmer Friends (BFF) producer-led group promoted cover crops within the watershed and Dane County LWRD provided planning assistance and technical oversight for implementation.

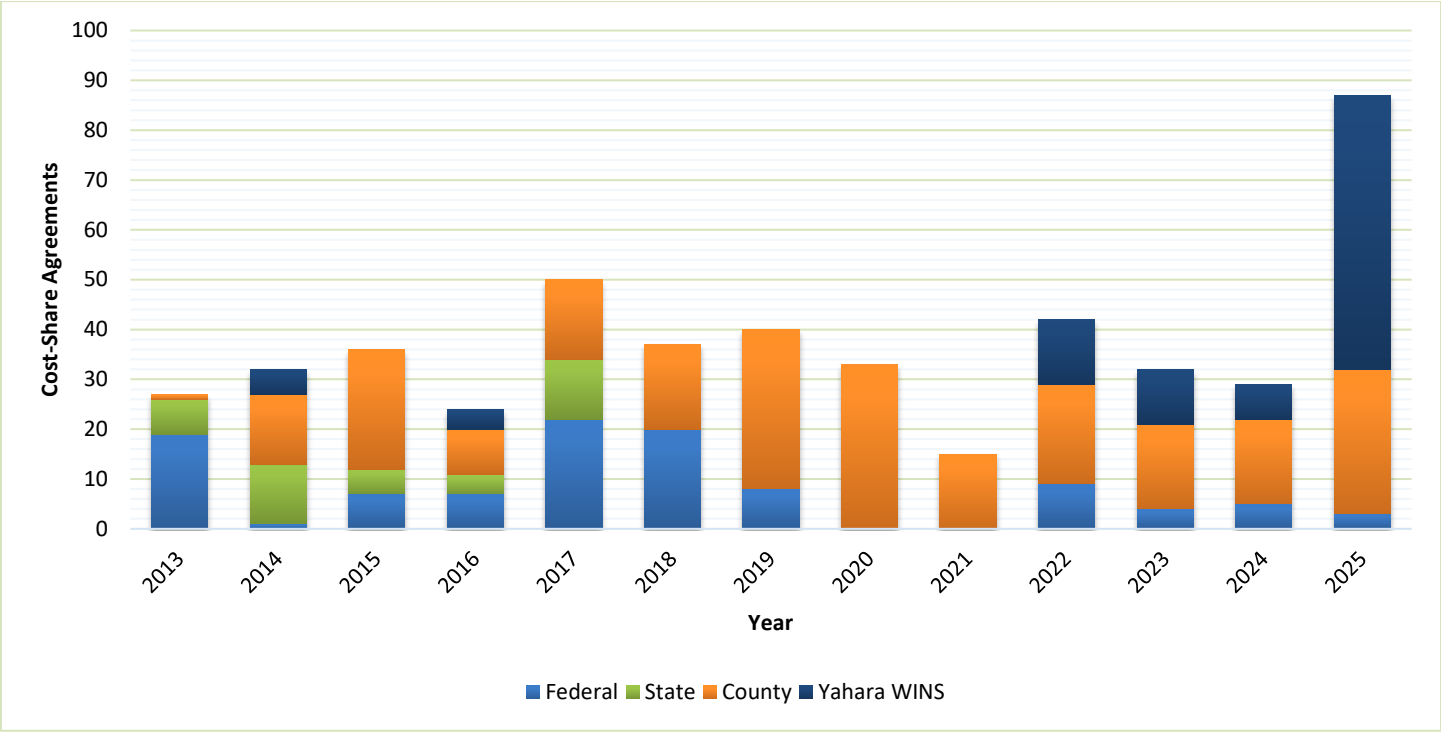


Figure 5. Number of cost-share agreements by funding source. Yahara WINS funding includes cover crop implementation through BFF in the Lower Yahara Watershed.

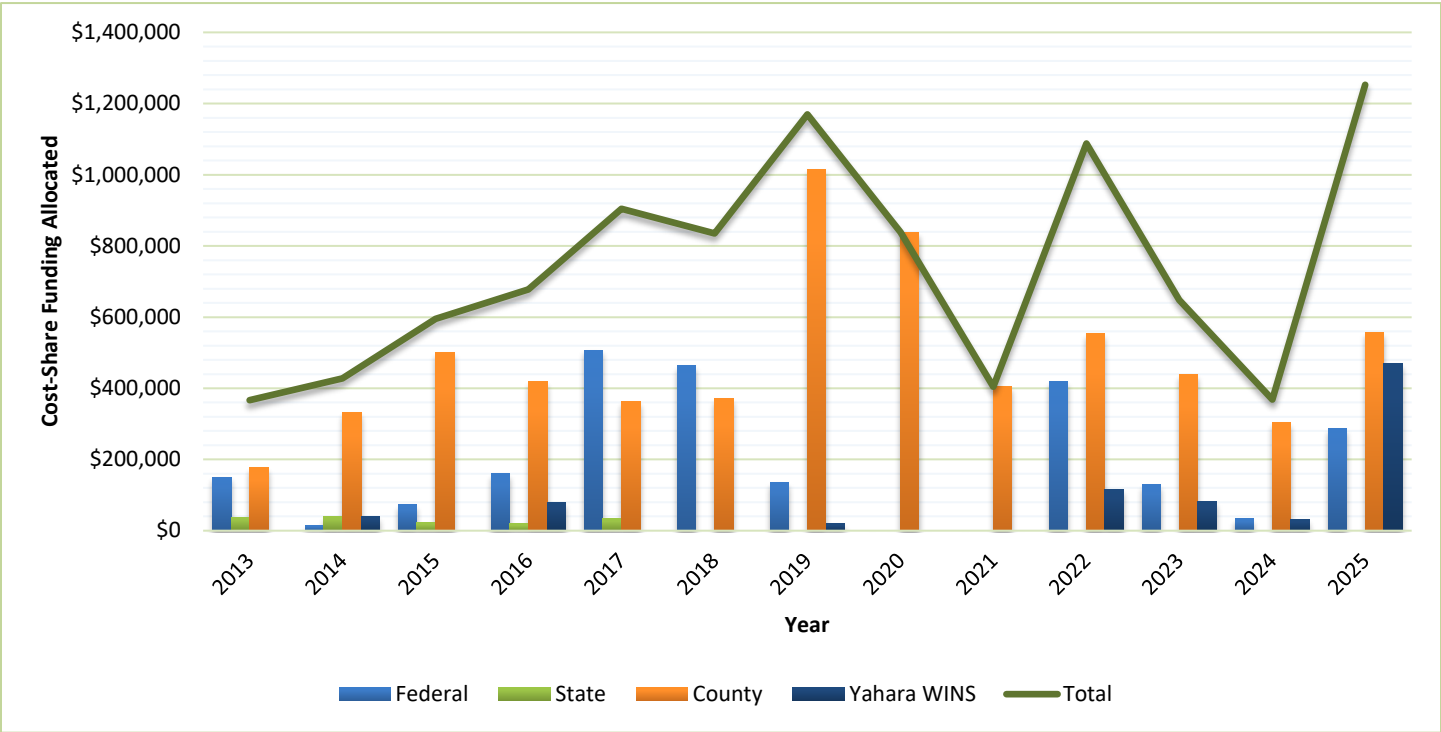


Figure 6. Total cost-share dollars allocated by funding source annually within the Yahara watershed. Yahara WINS funding includes cover crop implementation through BFF in the Lower Yahara Watershed.

Nutrient Management

Nutrient management involves planning for the use of manure and other fertilizers to meet crop nutrient needs in an economical way while reducing the potential for nutrient runoff from fields into lakes, streams, and groundwater. Nutrient management plans (NMP) continue to be received, reviewed, and mapped by Dane County staff. In 2025, 66,143 total acres were mapped within the Yahara watershed. The location of NMPs is documented in Figure 7 and the total number of acres for each TMDL reach are displayed in Table 2.

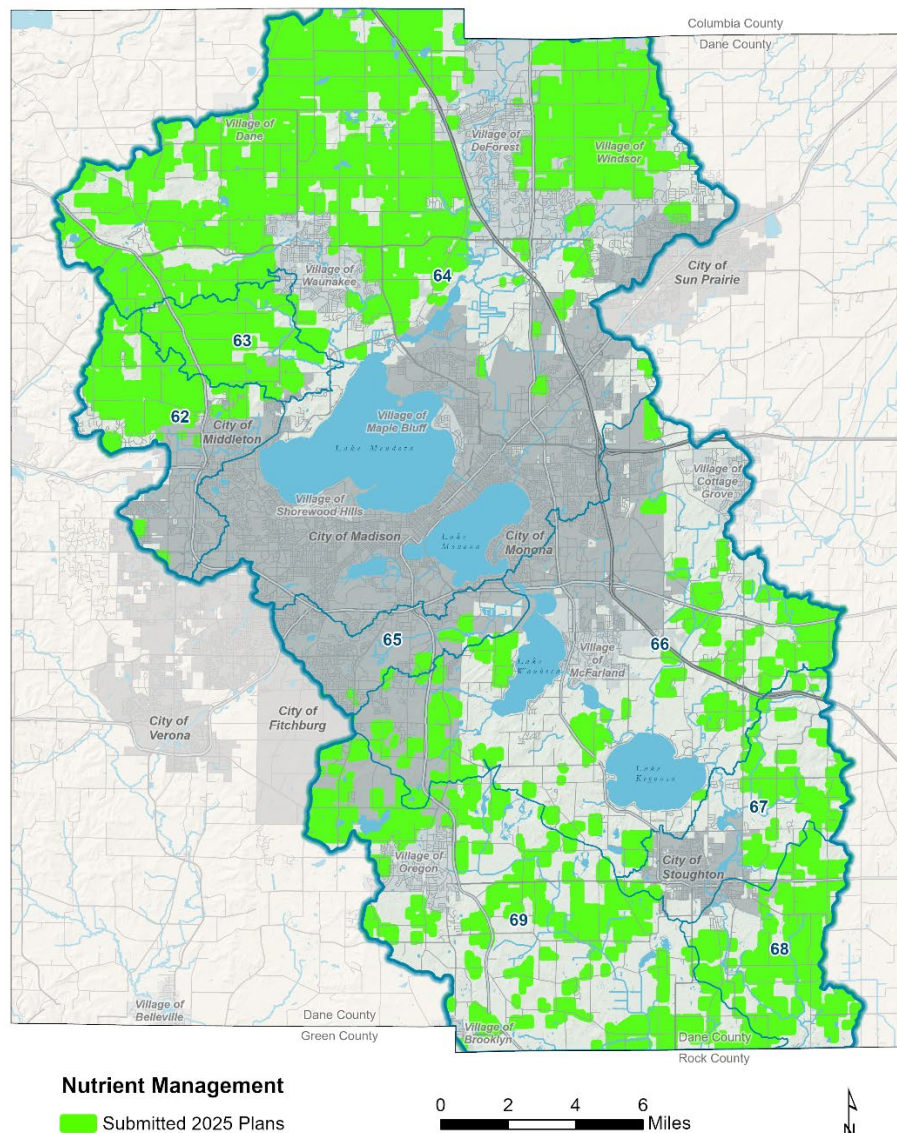


Figure 7. Map of submitted 2025 nutrient management plans in the Yahara watershed.

Table 2. Acres of nutrient management plans mapped within the Yahara watershed.

TMDL Reach	2020	2021	2022	2023	2024	2025
62	2,061	3,530	3,152	3,819	3,503	4,219
63	2,955	4,109	4,339	5,024	4,489	4,585
64	26,967	32,815	26,983	31,834	31,291	34,732
65	0	92	0	127	78	283
66	3,480	4,691	4,122	3,887	6,053	6,276
67	988	1,823	1,772	2,169	1,807	2,206
68	4,277	4,471	4,637	4,746	4,501	4,890
69	4,263	6,303	7,458	9,311	7,423	8,952
TOTAL	44,992	57,835	52,465	60,919	59,144	66,143

Highlights & Accomplishments

Door Creek Restoration

More than 15,000 feet of Door Creek was restored to its original alignment, and about 40,000 cubic feet of phosphorus-rich sediment was removed and safely contained on site. An additional 160 acres of former cropland were seeded to prairie to reduce runoff and improve habitat. These changes slow stormwater, filter nutrients before they reach local lakes, and support fish, amphibians, grassland birds, and pollinators. Learn more here:

<https://lwr.danecounty.gov/CurrentProjects/Detail/Door-Creek-Restoration>



Dane County Annual Tillage Survey Findings

The Crop & Tillage Transect Survey is a county-scale crop and tillage survey conducted by the Department's staff each spring. The survey provides yearly snapshots and trends over time of data at over 1,000 points including: tillage practices, crop rotations, cover crops, and landuse. The survey has been conducted annually since 1994 with a 2-year gap from 2008 to 2009.



Conservation tillage has been an area of active research for its potential to reduce soil loss through erosion, combat climate change, and improve food security. Conservation tillage is generally described as agricultural operations that leave greater than 30% crop residue cover in the field and includes no-tillage practice. Survey data has found that there has been a downward trend of conventional tillage (< 15% of residue) in favor of an upward trend in conservation tillage (> 30% of residue). The Tillage Survey Dashboard provides a visual summary of the transect data. More information is available on-line at <https://lwrd.danecounty.gov/what-we-do/agriculture/transect-survey>

Field Day for Elected Officials

In August, the Sime Farm, a Dane Demo Farm, in Stoughton hosted a tour for elected officials from the Land Conservation Committee, Environment Agriculture & Natural Resources Committee, members of the County Board, and the Dane delegation of state representatives and senators. Attendees heard about the importance of conservation practices and programs the Sime Farm has participated in to build soil health, sustainability, and protect water quality.

The tour included a demonstration about soil health, a rainfall simulation, and a tour of Dane Demo Farms research plots. The Sime family has participated in a number of conservation efforts including cover crops, managed grazing, the

Continuous Cover Program, and is an active participant in the Dane Demo Farms initiative. This event gave staff the opportunity to showcase the conservation efforts and growing collaboration between the department and local farms.



Cover Crop Implementation through the Biological Farmer Friends

In 2025, Dane County collaborated with the Biological Farmer Friends to promote cover crops in the Lower Yahara Watershed to improve soil health and protect local water quality. By providing financial incentives to producers, the program successfully transitioned thousands of acres into regenerative management practices. The program's financial incentives directly cost-shared 3,556.8 acres at \$50 per acre in TMDL reaches 66, 67, 68, and 69 resulting in phosphorus reductions of 2,347.5 lbs (see Table 3). This targeted effort helped catalyze a total of 4,463 acres of cover crops planted across the landscape. This achievement means that nearly 15% of the watershed's 30,247 total cropland acres are now protected by cover crops, with the cost-share program alone accounting for 12% of that total footprint. By integrating cover crops into diverse rotations—including silage, post-corn and soybean acres, and following wheat harvest—the initiative effectively reduced nutrient runoff and enhanced soil health across the landscape.

Table 3. Cover crops implemented and phosphorus reduced (lbs) as a result of targeted implementation through the Biological Farmer Friends. Note - the total lbs of phosphorus reduced in this table is counted within the new pounds reduced in Table 1.

TMDL Reach	Acres	Pounds of Phosphorus Reduced
66	89.9	59.3
67	93.6	61.8
68	288.5	190.4
69	3,084.8	2,036
Total	3,556.8	2,347.5

Photo: A winter wheat cover crop was precision-seeded via drone prior to the application of municipal waste. This proactive strategy utilizes living roots to scavenge nutrients throughout the winter, significantly reducing runoff by enhancing soil porosity and increasing water infiltration.



Summary

The continued partnership between Dane County and Yahara WINS resulted in another successful year of conservation implementation to improve water quality in the Yahara watershed. In 2025, 192 new practices were implemented and 343 practices were verified to confirm that they were functioning. Yahara WINS continued to provide funding to aid Dane County in conservation practice implementation. Newly implemented conservation practices reduced the amount of phosphorus entering nearby surface waters by 11,751.3 pounds. Adding this to the 15,032.4 pounds of phosphorus reduced from previously implemented practices, the total phosphorus reduction in this past year was 26,783.7 pounds. In addition to implemented conservation practices, NMPs covered 66,143 acres in the Yahara watershed. Dane County LWRD is dedicated to protecting and improving the natural resources of the county and looks forward to its continued partnership with Yahara WINS to advance environmental and conservation initiatives.

Appendix

Table 4. Amount of conservation practices implemented in the Yahara watershed by TMDL reach and year.

TMDL Reach	Practice	Units	2021	2022	2023	2024	2025	Total Amount Since 2008
62	Cover Crop	Ac	0.0	0.0	0.0	165.4	332.3	1,127.3
	Critical Area Planting	Ac	0.0	0.0	0.0	0.0	0.0	0.5
	Diversion	Ft	0.0	0.0	0.0	0.0	0.0	264.0
	Grade Stabilization Structure	No	0.0	0.0	0.0	0.0	0.0	1.0
	Grassed Waterway	Ac	2.6	0.0	0.0	0.6	0.0	6.9
	Lined Waterway	Ft	291.5	0.0	0.0	0.0	0.0	291.5
	No Till Drill (Equipment)	No	0.0	0.0	0.0	0.0	1.0	1.0
	Pasture and Hay Planting	Ac	0.0	0.0	0.0	0.0	0.0	5.5
	Prairie Restoration	Ac	0.0	0.0	0.0	40.7	0.0	40.7
	Roof Runoff Structure	No	0.0	0.0	0.0	0.0	0.0	1.0
	Stream Crossing	No	0.0	0.0	0.0	1.0	0.0	1.0
	Waste Storage Facility	No	0.0	0.0	0.0	0.0	0.0	1.0
63	Closure of Waste Impound	No	0.0	0.0	0.0	0.0	0.0	2.0
	Cover Crop	Ac	0.0	136.6	135.5	0.0	236.8	782.2
	Dane County Perpetual Easement	Ac	0.0	0.0	0.0	0.0	0.0	3.0
	Filter Strip	Ac	0.0	0.0	0.0	0.0	0.0	9.6
	Grassed Waterway	Ac	3.1	0.0	0.1	0.0	1.2	9.45

TMDL Reach	Practice	Units	2021	2022	2023	2024	2025	Total Amount Since 2008
63	Heavy Use Area Protection	Ac	0.0	0.0	0.0	0.0	0.0	4.2
	Mulching	Ac	0.0	0.0	0.1	0.0	0.0	0.1
	No Till Drill	Ac	0.0	136.6	0.0	0.0	0.0	136.6
	No Till Drill (Equipment)	No	0.0	0.0	0.0	1.0	0.0	1.0
	Prairie Restoration	Ac	0.0	0.0	0.0	0.0	0.0	0.0
	Roof Runoff Structure	No	0.0	0.0	0.0	0.0	0.0	2.0
	Waste Facility Closure	No	0.0	1.0	0.0	0.0	0.0	1.0
	Waste Storage Facility	No	0.0	0.0	0.0	0.0	0.0	1.0
	Water and Sediment Control Structure	No	0.0	0.0	0.0	0.0	0.0	1.0
64	Access Control	Ac	0.0	0.0	0.0	0.0	0.0	2.9
	Animal Trails and Walkways	Ft	0.0	0.0	0.0	0.0	0.0	478.0
	Conservation Cover	Ac	1.4	0.0	0.0	0.0	0.0	16.1
	Cover Crop	Ac	217.3	1,216.2	1,938.5	900.6	1,599.1	12,174.55
	Critical Area Planting	Ac	0.0	0.0	1.5	0.0	0.0	9.6
	Diversion	Ft	3,232.0	0.0	0.0	0.0	0.0	6,022.0
	Fence	Ft	720.0	0.0	9,285.0	0.0	0.0	16,825.0
	Filter Strip	Ac	0.0	0.0	0.0	0.0	0.0	18.5
	Grade Stabilization Structure	No	0.0	0.0	0.0	0.0	0.0	5.0
	Grassed Waterway	Ac	4.0	3.1	1.3	3.0	4.07	42.47

TMDL Reach	Practice	Units	2021	2022	2023	2024	2025	Total Amount Since 2008
64	Heavy Use Area Protection	Ac	0.0	0.0	0.0	0.0	0.86	4.16
	Lined Waterway or Outlet	Ft	0.0	0.0	0.0	0.0	0.0	1,195.0
	Lot Relocation or Abandonment	No	0.0	0.0	0.0	0.0	0.0	1.0
	Manure Transfer	No	0.0	0.0	0.0	0.0	0.0	5.0
	Mulching	Ac	0.0	0.0	2.8	0.0	0.0	2.8
	No Till Drill	Ac	0.0	90.3	0.0	0.0	0.0	90.3
	No Till Drill (Equipment)	No	0.0	0.0	1.0	4.0	2.0	7.0
	Obstruction Removal	Ac	0.0	0.0	0.0	0.0	0.0	0.1
	Pasture and Hay Planting	Ac	0.0	0.0	0.0	0.0	0.0	67.9
	Pond Sealing or Lining	Ac	0.0	0.0	0.0	0.0	0.6	0.6
	Prairie Restoration	Ac	0.0	0.0	0.0	5.7	6.5	12.19
	Prescribed Grazing	Ac	0.0	0.0	0.0	0.0	0.0	66.2
	Pumping Plant	No	0.0	0.0	0.0	0.0	4.0	4.0
	Roof Runoff Structure	No	0.0	5.0	0.0	9.0	0.0	20.0
	Stormwater Runoff Control	No					1.0	1.0
	Stream Crossing	No	0.0	0.0	1.0	0.0	1.0	4.0
	Streambank and Shoreline Stabilization	Ft	700.0	0.0	0.0	0.0	0.0	2,225.0
	Subsurface Drain	Ft	0.0	0.0	0.0	0.0	0.0	1,380.0
	Underground Outlet	Ft	0.0	452.0	0.0	0.0	0.0	452.0
	Waste Facility Closure	No	1.0	1.0	4.0	0.0	0.0	7.0

TMDL Reach	Practice	Units	2021	2022	2023	2024	2025	Total Amount Since 2008
64	Waste Storage Facility	No	0.0	1.0	1.0	0.0	1.0	11.0
	Waste Transfer	No	0.0	0.0	1.0	0.0	4.0	5.0
	Wastewater Treatment Strip	Ac	0.0	0.0	0.0	0.0	0.0	0.6
	Water and Sediment Control Structure	No	0.0	0.0	0.0	0.0	0.0	2.0
	Well Decommissioning	No	0.0	0.0	0.0	0.0	0.0	1.0
	Wetland Restoration	Ac	0.0	0.0	0.0	0.0	0.0	78.0
65	Grassed Waterway	Ac	0.0	0.0	0.0	0.0	0.0	3.3
66	Access Road	Ft	0.0	392.0	0.0	0.0	0.0	5,003.0
	Conservation Cover	Ac	35.4	29.2	0.0	1.7	13.8	198.3
	Cover Crop	Ac	219.0	23.1	140.0	371.4	195.1	1,085.1
	Critical Area Planting	Ac	6.5	0.0	0.0	0.0	0.0	6.5
	Diversion	Ft	0.0	0.0	0.0	0.0	0.0	4,300.0
	Fence	Ft	4,800.0	2,793.0	2,430.0	2,095.0	4,455	34,103
	Filter Strip	Ac	0.0	0.0	0.0	0.0	0.0	65.4
	Forage and Biomass Planting	Ac	24.8	0.0	0.0	0.0	0.0	95.5
	Forage Harvest Management	Ac	0.0	0.0	0.0	0.0	0.0	45.1
	GPS Collars	No					1.0	1.0
	Grade Stabilization Structure	No	0.0	0.0	0.0	0.0	0.0	2.0

TMDL Reach	Practice	Units	2021	2022	2023	2024	2025	Total Amount Since 2008
66	Grassed Waterway	Ac	0.4	0.0	0.0	0.0	0.2	37.13
	Heavy Use Area Protection	Ac	0.0	0.0	0.0	0.0	0.0	0.1
	Lined Waterway or Outlet	Ft	0.0	0.0	0.0	0.0	0.0	249.0
	Livestock Pipeline	Ft	0.0	0.0	120.0	0.0	0.0	6,450.0
	No Till Drill (Equipment)	No	0.0	0.0	2.0	0.0	0.0	2.0
	Pasture and Hay Planting	Ac	0.0	0.0	0.0	0.0	0.0	33.8
	Prairie Restoration	Ac	0.0	0.0	0.0	0.0	3.2	3.2
	Prescribed Grazing	Ac	36.1	11.3	0.0	0.0	26.7	98.7
	Roof Runoff Structure	No	0.0	0.0	0.0	0.0	0.0	1.0
	Sediment Basin	No	0.0	0.0	0.0	0.0	0.0	1.0
	Shallow Water Development	Ac	0.0	0.0	0.0	0.0	0.0	10.9
	Stream Crossing	No	0.0	0.0	0.0	0.0	0.0	4.0
	Terrace	Ft	0.0	0.0	0.0	0.0	0.0	558.0
	Tree/Shrub Establishment	Ac	0.0	0.0	0.0	0.0	0.0	18.8
	Underground Outlet	Ft	0.0	0.0	0.0	0.0	0.0	250.0
	Wastewater Treatment Strip	Ac	0.0	0.0	0.0	0.0	0.0	0.2
	Water and Sediment Control Structure	No	0.0	0.0	0.0	0.0	0.0	1.0
	Watering Facility	No	0.0	0.0	1.0	0.0	0.0	2.0
	Wetland Restoration	Ac	0.0	0.0	0.0	0.0	0.0	9.2

TMDL Reach	Practice	Units	2021	2022	2023	2024	2025	Total Amount Since 2008
67	Conservation Cover	Ac	0.0	0.0	0.0	17.5	10.5	28
	Cover Crop	Ac	356.1	53.3	0.0	0.0	93.6	896.5
	Fence	Ft	0.0	0.0	8,775.0	0.0	0.0	13,036.0
	Filter Strip	Ac	0.0	0.0	0.0	0.0	0.0	34.3
	Forage and Biomass Planting	Ac	0.0	31.2	23.9	0.0	0.0	55.1
	Grassed Waterway	Ac	0.0	0.0	0.5	0.0	0.0	2.9
	Livestock Pipeline	Ft	0.0	700.0	0.0	0.0	0.0	3,770.0
	Mulching	Ac	0.0	0.0	0.5	0.0	0.0	0.5
	No Till Drill	Ac	211.0	0.0	0.0	0.0	0.0	211.0
	No Till Drill (Equipment)	No	0.0	0.0	0.0	0.0	1.0	1.0
	Pasture and Hay Planting	Ac	0.0	0.0	0.0	0.0	0.0	4.2
	Prescribed Grazing	Ac	0.0	31.2	23.9	0.0	0.0	112.3
	Tree/Shrub Establishment	Ac	0.0	0.0	0.0	0.0	0.0	4.7
68	Conservation Cover	Ac	0.0	5.0	0.0	0.0	0.0	5.0
	Cover Crop	Ac	473.9	144.9	77.2	179.2	478	2,266.5
	Fence	Ft	5,680.0	0.0	0.0	8,925.0	5,140	47,089
	Filter Strip	Ac	0.0	0.0	0.0	0.0	0.0	14.7
	Forage and Biomass Planting	Ac	7.2	13.0	0.0	0.0	0.0	20.2
	Grade Stabilization Structure	No	0.0	0.0	0.0	0.0	0.0	1.0

TMDL Reach	Practice	Units	2021	2022	2023	2024	2025	Total Amount Since 2008
68	Grassed Waterway	Ac	0.0	0.0	0.0	0.0	0.0	5.3
	Heavy Use Area Protection	Ac	0.0	0.0	0.0	0.0	0.0	1.0
	Livestock Pipeline	Ft	325.0	990.0	0.0	1,920.0	0.0	9,085.0
	No Till Drill	Ac	294.9	0.0	0.0	0.0	0.0	294.9
	Prescribed Grazing	Ac	31.4	0.0	0.0	0.0	0.0	70.6
	Shallow Water Development	Ac	0.0	0.0	0.0	0.0	0.0	10.0
	Tree/Shrub Establishment	Ac	0.0	0.0	0.0	0.0	0.0	1.0
	Watering Facility	No	1.0	0.0	0.0	1.0	0.0	2.0
	Water Well	No	0.0	0.0	0.0	1.0	0.0	1.0
	Wetland Restoration	Ac	0.0	0.0	0.0	0.0	0.0	10.0
69	Conservation Cover	Ac	22.0	0.0	5.7	3.3	51.1	206.3
	Cover Crop	Ac	1,239.5	1,152.0	348.7	676.0	3,329.9	8,660.6
	Critical Area Planting	Ac	0.0	0.0	0.0	0.0	0.0	25.6
	Fence	Ft	17,725.0	14,299.0	3,008.0	13,154.0	1,700	57,936
	Filter Strip	Ac	0.0	0.0	0.0	0.0	0.0	56.5
	Forage and Biomass Planting	Ac	27.0	0.0	32.1	0.0	0.0	81.1
	Grade Stabilization Structure	No	0.0	1.0	0.0	0.0	0.0	1.0
	Grassed Waterway	Ac	0.0	0.3	0.0	0.0	1.0	11.1
	Livestock Pipeline	Ft	0.0	1,830.0	0.0	3,550.0	0.0	8,380.0

TMDL Reach	Practice	Units	2021	2022	2023	2024	2025	Total Amount Since 2008
69	No Till Drill (Equipment)	No	0.0	0.0	5.0	2.0	1.0	8.0
	Prescribed Grazing	Ac	39.0	0.0	5.7	0.0	84.5	129.2
	Roof Runoff Structure	No	0.0	0.0	0.0	0.0	0.0	2.0
	Shallow Water Development	Ac	0.0	0.0	0.0	0.0	0.0	3.5
	Silvopasture	Ac	0.0	0.0	0.0	0.0	3.3	3.3
	Stream Crossing	No	0.0	1.0	0.0	0.0	0.0	1.0
	Waste Facility Closure	No	0.0	0.0	0.0	0.0	0.0	1.0
	Water and Sediment Control Structure	No	0.0	0.0	0.0	0.0	0.0	1.0
	Watering Facility	No	0.0	2.0	0.0	0.0	0.0	2.0
	Wetland Restoration	Ac	0.0	0.0	0.0	0.0	0.0	2.0
	Wetland Wildlife Habitat	Ac	0.0	0.0	0.0	0.0	0.0	9.6

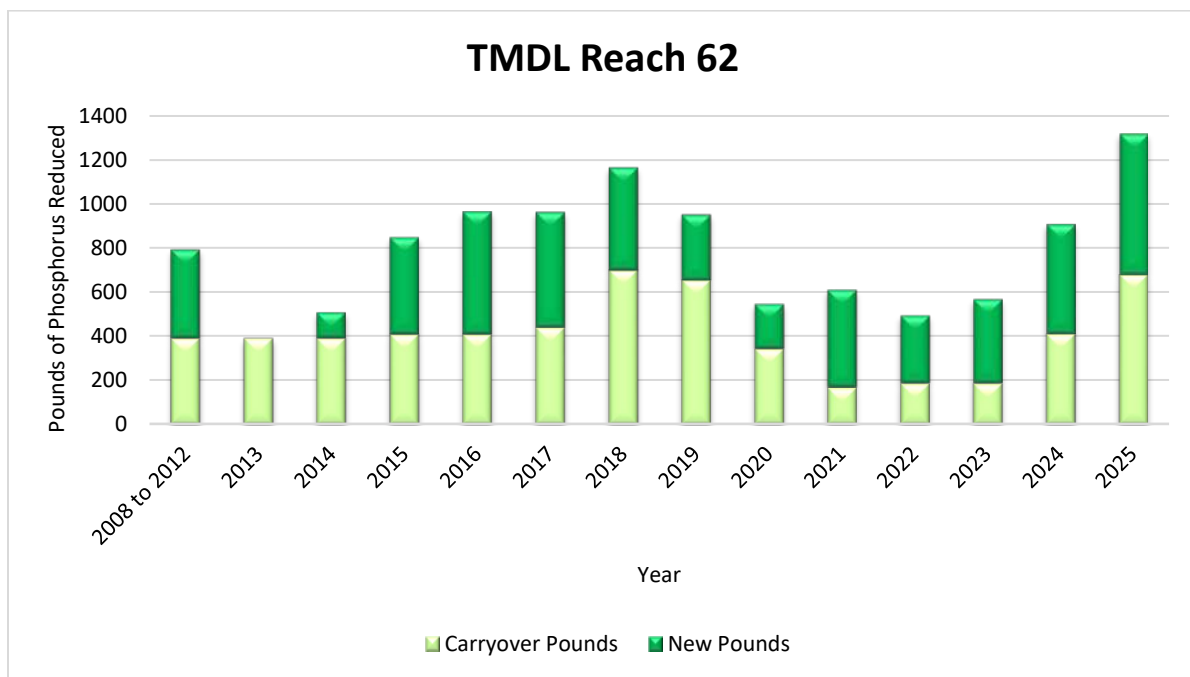


Figure 8. TMDL Reach 62 new and carryover pounds of phosphorus reductions by year.

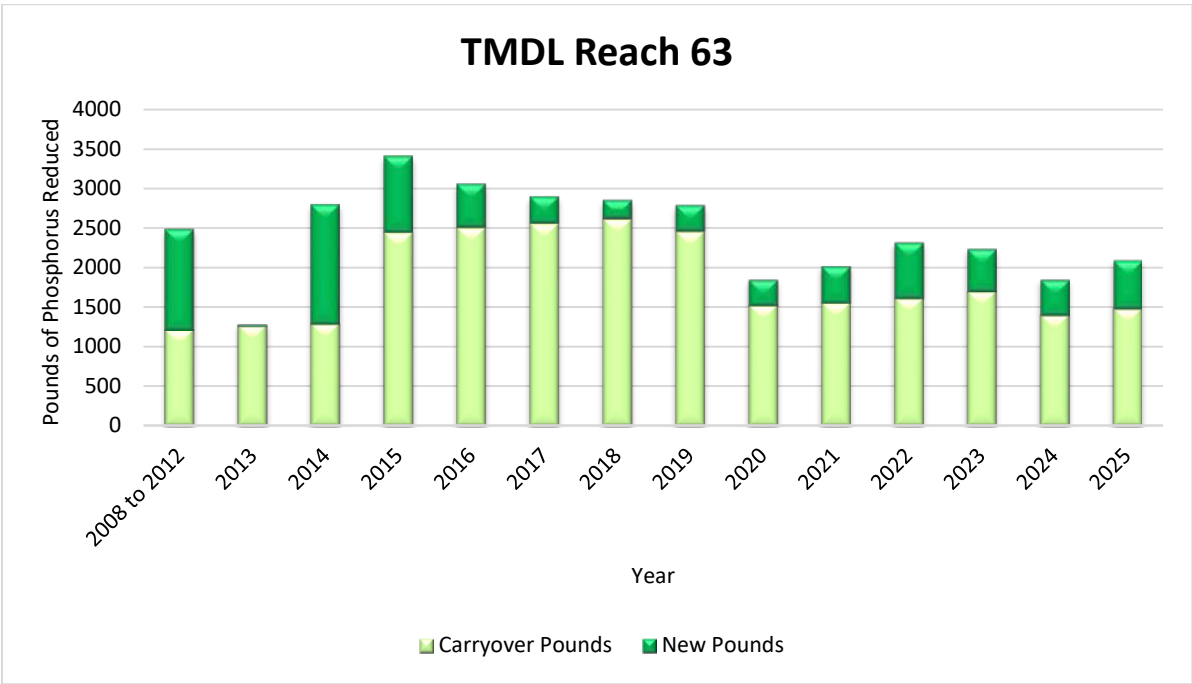


Figure 9. TMDL Reach 63 new and carryover pounds of phosphorus reductions by year.

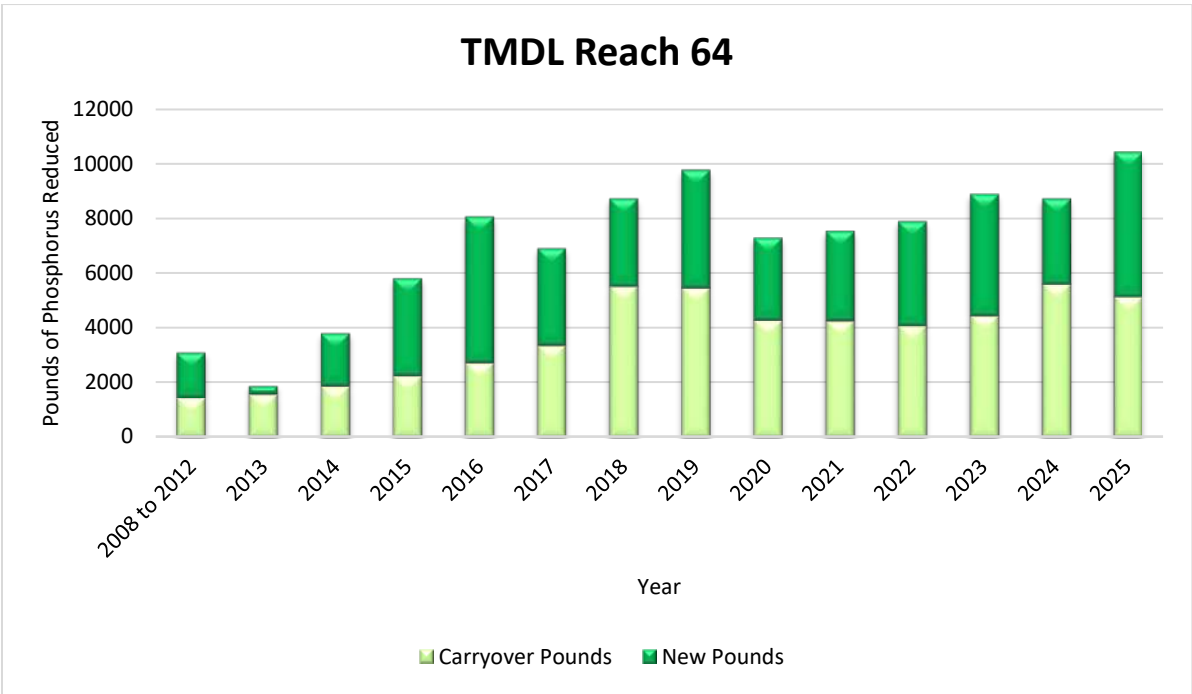


Figure 10. TMDL Reach 64 new and carryover pounds of phosphorus reductions by year.

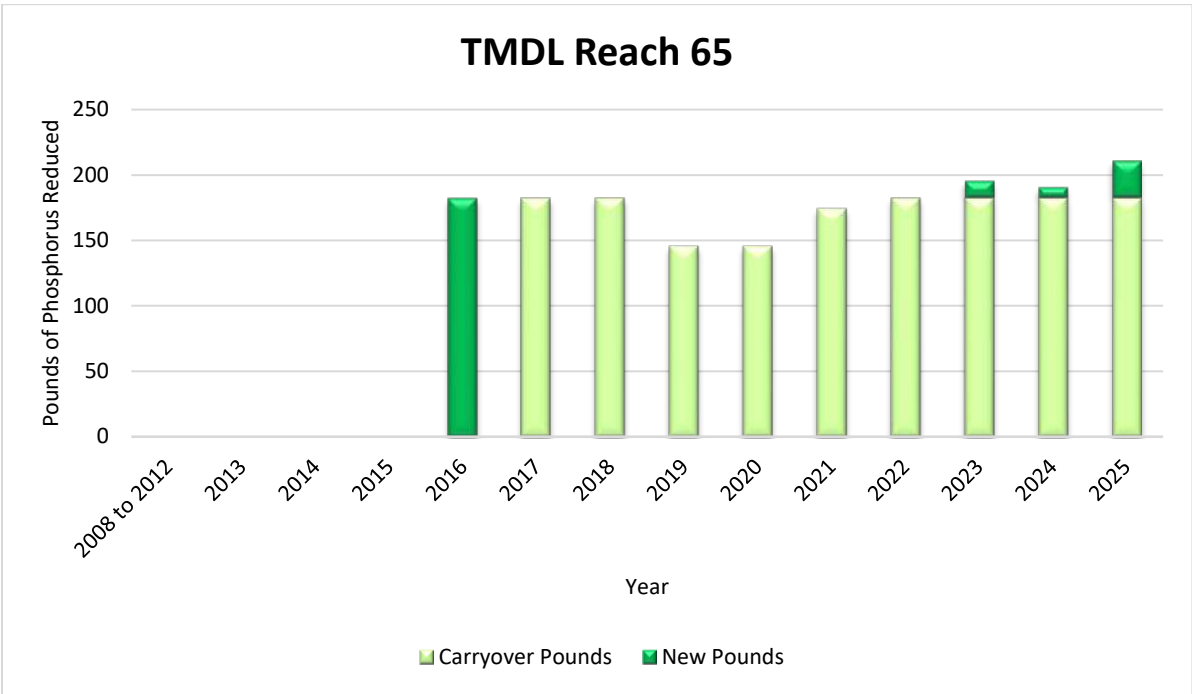


Figure 11. TMDL Reach 65 new and carryover pounds of phosphorus reductions by year.

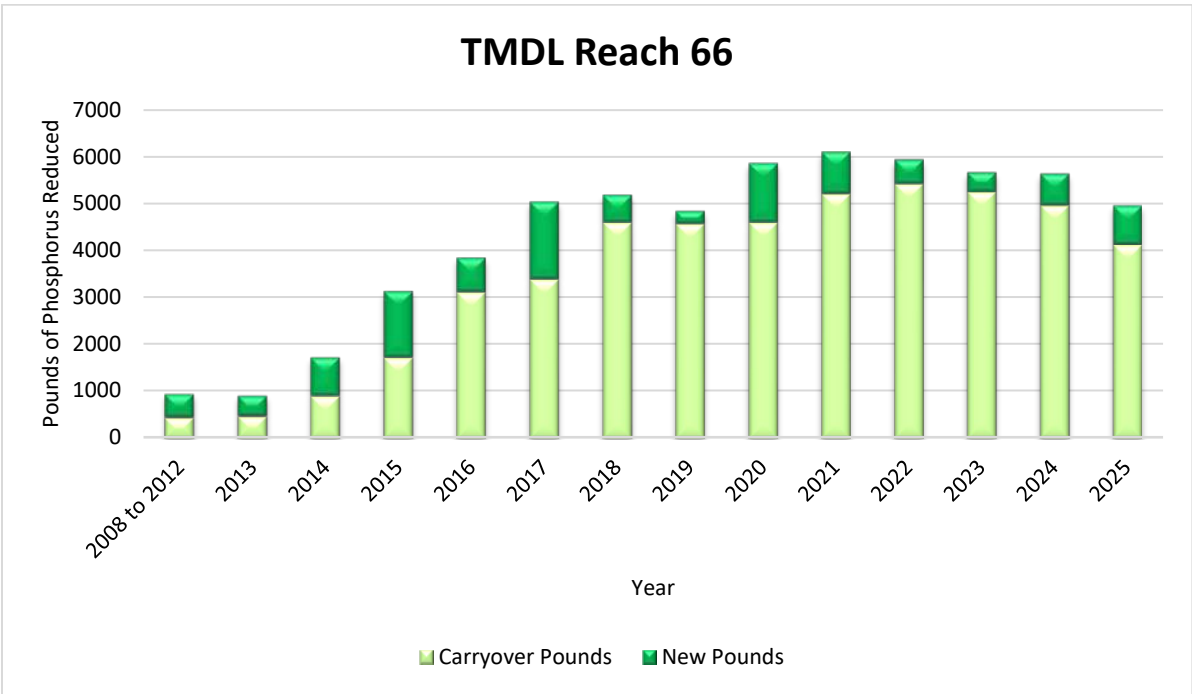


Figure 12. TMDL Reach 66 new and carryover pounds of phosphorus reductions by year.

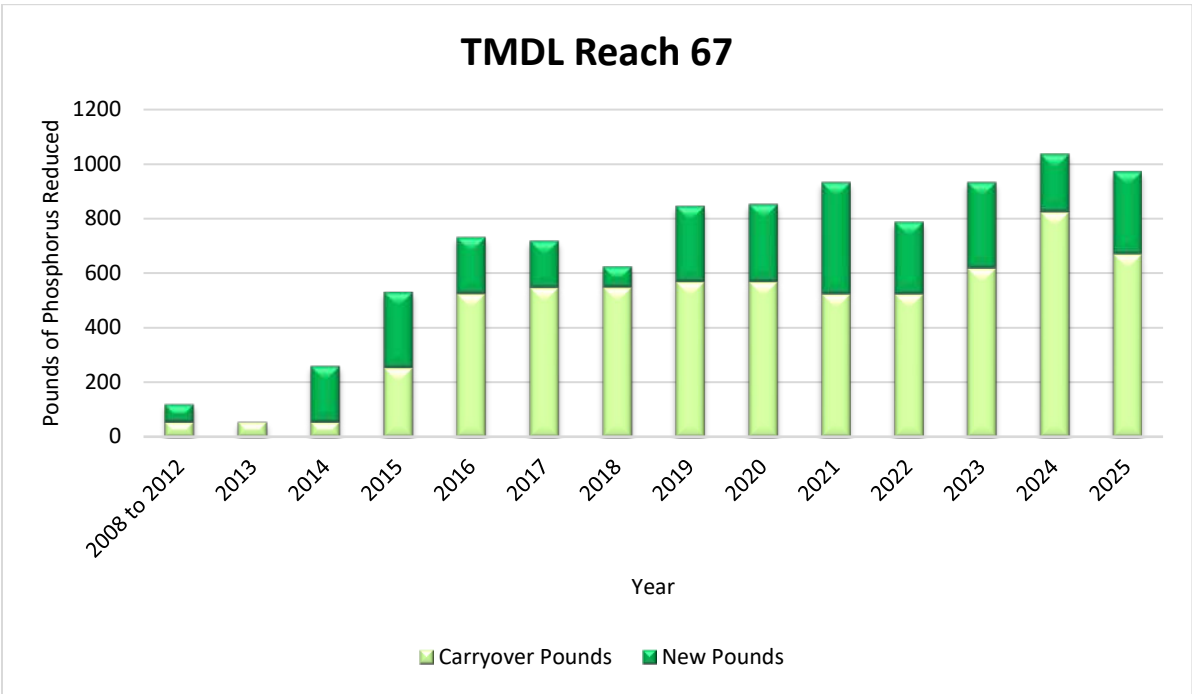


Figure 13. TMDL Reach 67 new and carryover pounds of phosphorus reductions by year.

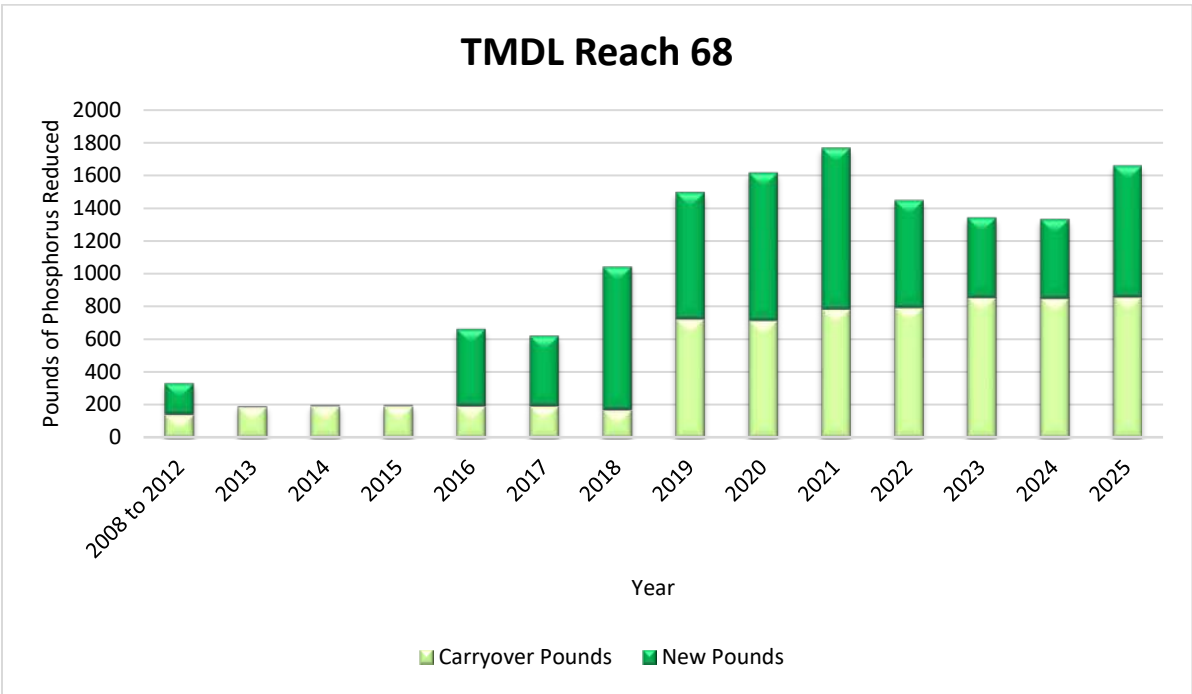


Figure 14. TMDL Reach 68 new and carryover pounds of phosphorus reductions by year.

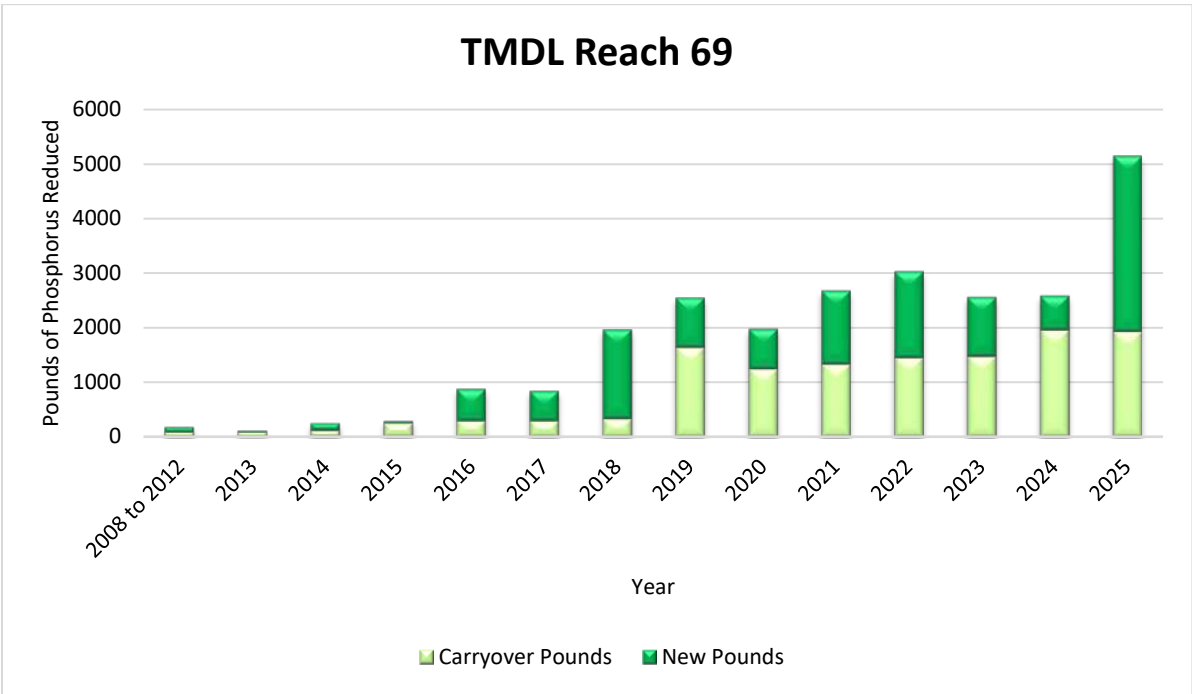


Figure 15. TMDL Reach 69 new and carryover pounds of phosphorus reductions by year.