



OHIO DEPARTMENT OF
NATURAL RESOURCES
H2OHIO PROGRAM

H2Ohio
H2.OHIO.GOV

Eric Saas, ODNR H2Ohio Wetlands Program Manager



Toxic Algae
Bloom, Lake
Erie, 2011



**MAUMEE BAY
STATE PARK**

Algal bloom present at Maumee Bay State
Park beach August 14, 2019

Have fun on the water, but know that blue-green algae are in many Ohio lakes. Their toxins may be, too.

Be Alert! Avoid water that:

- looks like spilled paint
- has surface scums, mats or films
- is discolored or has colored streaks
- has green globs floating below the surface



Avoid swallowing lake water.

***For more information, visit
ohioalgaefinfo.com
or call 1-866-644-6224.***



DANGER

AVOID ALL CONTACT WITH WATER

**ALGAL TOXINS HAVE BEEN FOUND
AT UNSAFE LEVELS**

**SWIMMING AND WADING ARE NOT
RECOMMENDED
KEEP PETS AWAY**

**FOR MORE INFORMATION GO TO:
WWW.OHIOALGAEINFO.COM
OR CALL 1-866-644-6224**

CAUTION

**HARMFUL ALGAE TOXINS HAVE BEEN
FOUND ALONG THE BEACH AND MAY BE
PRESENT IN OTHER AREAS OF THE LAKE**

**AVOID WATER THAT LOOKS LIKE SPILLED PAINT, IS DISCOLORED OR
HAS SURFACE SCUMS**

**AVOID SWALLOWING WATER AND KEEP PETS
AWAY FROM ALGAE**

**FOR MORE INFORMATION GO TO:
WWW.OHIOALGAEINFO.COM
OR CALL 1-866-644-6224**

H2Ohio

A collaborative approach to the issues facing Ohio's water

Water Quality

Nutrient
Management

Erosion
Management

Water
Management

10 Areas of H2Ohio Focused Investment



Nutrient Management

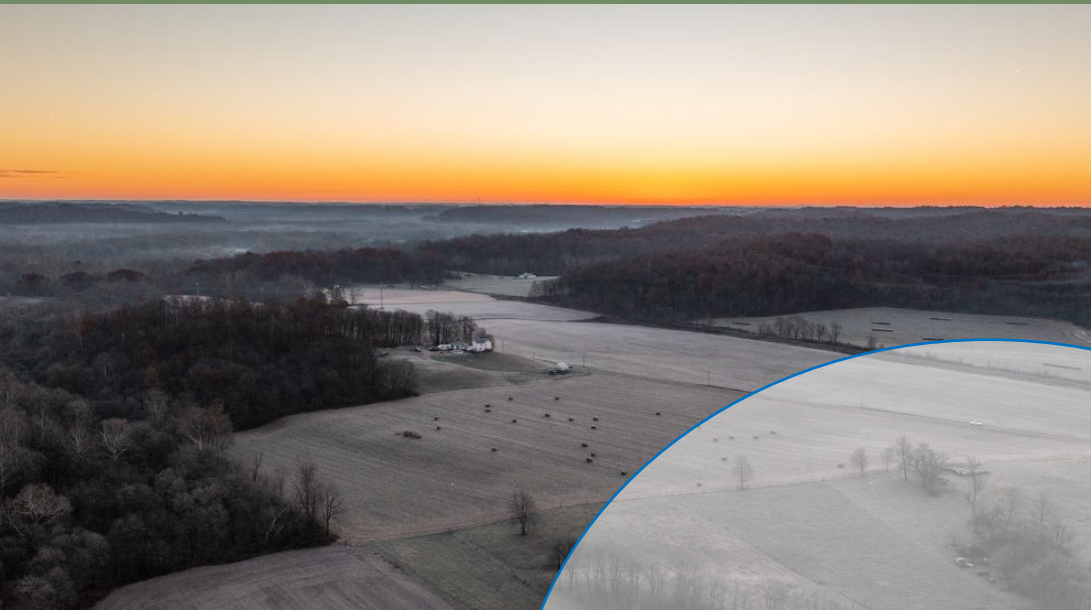
- 1 Soil Testing & Volunteer Nutrient Management Plans
- 2 Variable Rate Fertilizer Application
- 3 Subsurface Fertilizer Placement
- 4 Manure Incorporation

Erosion Management

- 5 Conservation Crop Rotation
- 6 Cover Crops

Water Management

- 7 Drainage Water Management
- 8 Forested Riparian Buffers
- 9 Conservation Ditch Construction
- 10 Headwater & Coastal Flow-through Wetlands



Nutrient
Management



Habitat
Restoration

H2Ohio



MAUMEE RIVER FLOODPLAIN (BEFORE)



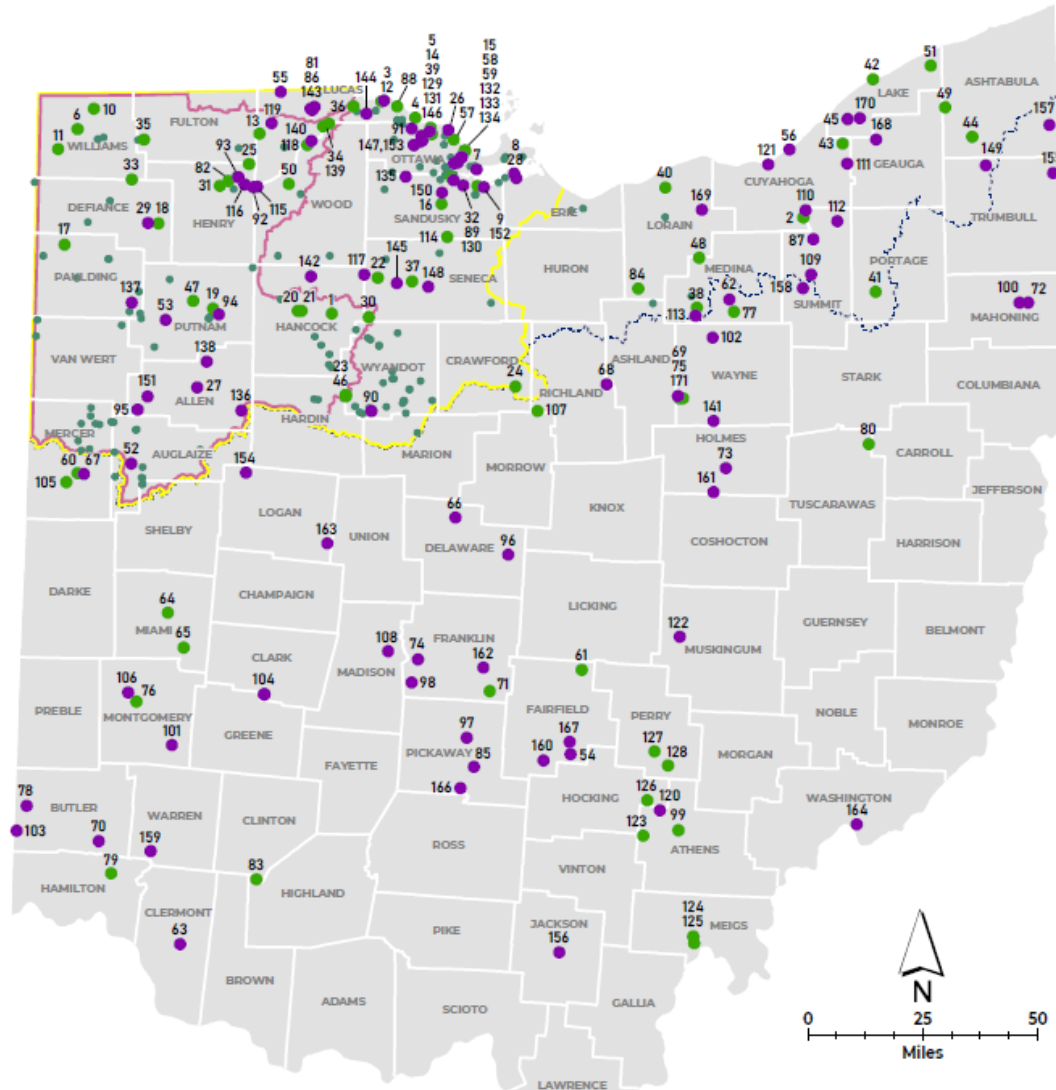
MAUMEE RIVER FLOODPLAIN (IN PROGRESS)





Maumee River Floodplain Restoration

H2Ohio Statewide Projects (Status) and Water Quality Incentive Program Projects



Project Key

| | | | | | |
|----|---|-----|--|-----|--|
| 1 | Bright Conservation Area Wetland Restoration Initiative | 58 | Bolton Marsh Wetland Reconnection | 115 | Howard Island Acquisition & Feasibility Study |
| 2 | Old Station Road | 59 | Darby Refuge Wetland Restoration | 116 | Maumee River Water Trail Mile 35 Restoration |
| 3 | Maumee Bay State Park Wetland Reconnection | 60 | Hancock-Lansing Park Wetland Conservation Area | 117 | City of Fostoria, Missouri Floodplain Restoration |
| 4 | Ottawa National Wildlife Refuge Wetland Reconnection Projects | 61 | Brook Park Wetland Creation & Water Quality Initiative | 118 | Maumee Floodplain Restoration |
| 5 | Magaw Marsh Turtle Creek Bay Wetland Reconnection | 62 | Chippewa Lake Wetland Restoration | 119 | Willowgrass Restoration |
| 6 | OSU Montpelier Wetland Restoration | 63 | Williamsburg Wetland Treatment System | 120 | Sizer Fork, Acid Mine Drainage Abatement |
| 7 | Raccoon Creek Nature Based Barrier Wetland | 64 | Springcreek Confluence Off-Channel Wetlands | 121 | Lakefront Reservation Green Infrastructure (CHEERS) |
| 8 | Meadley Wildlife Area Wetland Reconnection Project | 65 | Tipp City Off-Channel Wetland | 122 | Dillon Reservoir Wetland Treatment Train |
| 9 | Pickens Creek Floodplain Restoration | 66 | O'Donnell Wetland Restoration and Treatment Train | 123 | Carbondale AMD Doser O&M |
| 10 | St. Joseph Confluence Wetland Reconnection | 67 | Mercer Wetland Complex Restoration | 124 | Thomas Fork AMD Doser O&M |
| 11 | St. Joseph's River Restoration Project | 68 | Black Fork Forest Preserve Wetland Restoration Project | 125 | Caste AMD Doser O&M |
| 12 | Walden Club Nature Reduction and Oxbow Restoration | 69 | Funk Bottoms Wetland Restoration | 126 | Monkey Hollow AMD Doser O&M |
| 13 | Dak Openings Preserve Wetland Restoration | 70 | Westchester Wetland Restoration | 127 | Jobs AMD Doser O&M |
| 14 | North Ridge Hunt Club Wetland Restoration | 71 | Walnut Creek Treatment Wetland Restoration | 128 | Pine Run AMD Doser O&M |
| 15 | Little Portage Nutrient Reduction & Coastal Wetland Restoration | 72 | Forest Lawn Stormwater Park | 129 | Dobbeleire Wetland Restoration |
| 16 | Redhorse Bend Preserve Wetland Restoration | 73 | Reconnecting to Killbuck Creek | 130 | Gonyea Farms Ag Drainage Treatment |
| 17 | Foster Bridge Floodplain Reconnection | 74 | Hellbranch Meadows West Wetland Restoration Project | 131 | Kentz Wetland Enhancement |
| 18 | Independence Dam Canal Reconnection & Wetland Creation | 75 | East Funk Bottoms | 132 | Madisonville Treatment Wetland |
| 19 | Blanchard River Floodplain Restoration | 76 | Spring Run Conservation Area Wetland Restoration Project | 133 | West Lake Shooting Club Wetland Enhancement |
| 20 | Okawville Nature Preserve Wetland Restoration Project, West | 77 | Chippewa Creek Floodplain and Wetland Restoration Project | 134 | Norwalk Wetland Drainage |
| 21 | Okawville Nature Preserve Wetland Restoration Project, East | 78 | Indian Creek - Hoffmann Wetland and Stream Restoration | 135 | Widlich Pond Wetland Enhancement |
| 22 | Frost Wetland Nature Preserve | 79 | German Heritage Farm Treatment Wetland System | 136 | Village of Harrod Wetland Restoration |
| 23 | Arldorf Wetland Restoration | 80 | Taggart's Wetland Enhancement & Acid Mine Drainage Abatement | 137 | Little Auglaize Wildlife Reserve Project |
| 24 | Sandusky River Headwaters Preserve Wetland & Habitat Restoration | 81 | Fanders Park Restoration | 138 | Allen County Wetland Restoration |
| 25 | Van Order Wetland & Forest Restoration | 82 | Dry Creek Wetland | 139 | Delaware Creek Rain Gardens Retrofit |
| 26 | Narves Marsh Wetland Restoration & Reconnection | 83 | East Fork Riparian Reserve Wetland Treatment System | 140 | Maumee Township Feasibility & Design |
| 27 | Baughman Elevation Ditch | 84 | Woodpacker Ditch - Mauchland Wetland Restoration | 141 | Killbuck Reconnection |
| 28 | Sarfin Agricultural Drainage Treatment Train Project | 85 | Fleming Bend Protection and Restoration | 142 | Van Buren Dam Removal and Floodplain Wetland Restoration |
| 29 | Defiance East River Drive | 86 | UT CADE Wetland and Stream Restoration | 143 | Village of Ottawa Hills H2Ohio Project |
| 30 | Springville Marsh Wetland Extension | 87 | Cuyahoga River Riparian Forest and Wetland Restoration | 144 | City of Oregon Wolf Creek Floodplain Restoration |
| 31 | Rotary Riverside Preserve Restoration | 88 | Cedar Point National Wildlife Refuge Pool 12 Coastal Reconnection | 145 | Funk DeWald Wetland Restoration |
| 32 | Bushner Farms Treatment Wetland | 89 | Winous Point Conservancy "North Marsh," "Metzger Marsh," D&E Phase | 146 | Pickens Creek Wetland Restoration |
| 33 | The Weisberger-Pohman Nature Preserve Restoration | 90 | Killdeer Reserve Wetland Project | 147 | Ottawa Wetland Restoration |
| 34 | Clark Island Restoration: Design & Engineering | 91 | Crane Creek, Lickert Wetland Restoration | 148 | Hedges-Bayer Park Wetland |
| 35 | Gull Woods Wetland Extension | 92 | Mary Jane Thurston Wetlands | 149 | Sugar Island Preserve North |
| 36 | Duck and Otter Creek Wetland and Stream Restoration | 93 | Juhaz Wetland Restoration | 150 | Hill Ditch, Toledo Public Schools |
| 37 | Clary-Bouler-McDonald Nature Preserve | 94 | Futnan Oxbow Restoration | 151 | Huber Floodplain Reconnection |
| 38 | Bluebell Preserve Restoration Project | 95 | Elizabeth St Stormwater Control (Village of Spencerville) | 152 | Pickens Creek East Barrier Wetland |
| 39 | Runt Tract Wetland Restoration | 96 | Perfect Creek Treatment Wetlands | 153 | Pickens Creek West Barrier Wetland #1 |
| 40 | Martin's Run Wetland and Stream Restoration Project | 97 | Genevieve Jones Floodplain and Wetland Restoration | 154 | Indian Lake State Park Campground Wetland Restoration |
| 41 | The Bird Family Dog Rehabilitation Project | 98 | Hig Darby Creek Treatment Wetland | 155 | Rissman Wetlands Enhancement Project |
| 42 | Headwaters Dunes Coastal Wetland Restoration Project | 99 | Hocking River Riparian Restoration | 156 | Franklin Valley Wetlands Restoration |
| 43 | Fosters Run Restoration | 100 | Stream, Floodplain, and Wetland Restoration at Mill Creek GC | 157 | Andover Meadows Wetland Restoration |
| 44 | Ashcroft Woods Soil Preserve | 101 | Hales Creek Restoration and Habitat Enhancement | 158 | Pigeon Creek Preserve Presentation and Restoration |
| 45 | Chagrin River & East Branch Corridor Restoration & Protection Project | 102 | Killbuck Creek Headwaters Preservation & Restoration | 159 | Simpson Creek Headwaters Restoration at Linden-Deerfield Park |
| 46 | Upper Blanchard River Watershed Project | 103 | Dry Fork Streambank Stabilization at Gos-Babb Waterpark | 160 | Two Glaciers Wetland Restoration |
| 47 | Sugarcamp 7 Blanchard Habitat Project | 104 | Rainbow Run Wetlands | 161 | Lower Killbuck Wetland Restoration at Crow Swamp Preserve |
| 48 | Litchfield Wetland Restoration | 105 | Coldwater Wetlands Park | 162 | Three Creeks Wetland Creation |
| 49 | Trumbull Creek H2Ohio | 106 | Sycamore State Park Wetland Restoration | 163 | Darby Corridor Treatment Wetlands |
| 50 | For-Shank Living Laboratory | 107 | Clear Fork Preserve | 164 | County Home Creek Stream and Wetland Restoration |
| 51 | Madison Village Park Wetlands | 108 | Menimmon Floodplain Restoration | 165 | Rainbow Run Wetland 2 |
| 52 | City of St. Marys Treatment Train | 109 | Riverswood Project | 166 | Mullins Off-Channel Wetland |
| 53 | Auglaize River Riparian and Wetland Restoration | 110 | Sagamore Hills | 167 | Shelby Lakes Wetland Creation/Restoration - Hocking River Cons. Corridor |
| 54 | Elles O. Wagon Preserve | 111 | Chagrin River Headwaters Restoration | 168 | American Creation Lodge Dam Removal and Stream Restoration |
| 55 | Ford Two Stage Ditch | 112 | Twinburg Heights Preserve | 169 | Guthrie Prosperity Stream and Wetland Restoration |
| 56 | CHBRP Project - Floating wetlands | 113 | Little Killbuck Watershed Divide | 170 | Chagrin Floodplain Restoration & Protection |
| 57 | Touramint Shooting Club Reconnection: Bob's Bay & Main Marsh | 114 | Abraham Fenest Riparian Restoration | 171 | West Funk Bottoms Floodplain Wetland Restoration |

Map Legend

- Completed Projects
- Projects In Progress
- Water Quality Incentive Program Projects
- Western Lake Erie Basin
- Maumee River Watershed
- Lake Erie/Ohio River Watershed Divide

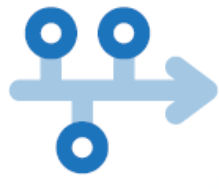


H2Ohio

BY THE NUMBERS

170 

wetland projects

\$143 
million

to support wetland project
implementation



80

completed projects

78



nonprofit
conservation partners
engaged



130,000+

acres of watershed filtered
by wetland projects

15,500



acres of wetland
and ecosystem restoration



150+

landowners incentivized to
establish wetlands and
wooded riparian buffers
through Lake Erie CREP

90

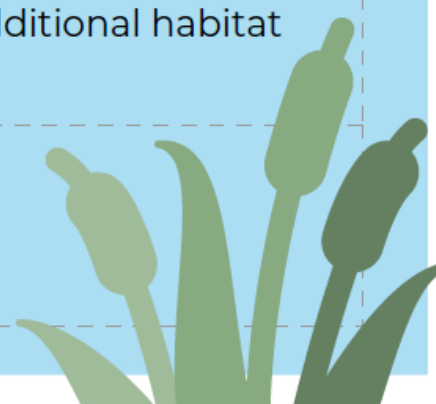


threatened or endangered
species dependent on
wetlands; many will benefit
from this additional habitat



160K

trees planted in
wetland buffers





Fruth Wetland Nature Preserve



Bright Conservation Area Wetland Restoration Initiative



Redhorse Bend Floodplain Reconnection



Headlands Dunes Coastal Wetland Restoration Project



Springcreek Confluence Off-Channel Wetlands



Brooks Park Wetland Creation and Water Quality Initiative

CROWD-SOURCED TIMELAPSE

Chronolog.io/project/OHO



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ERIC SAAS

Eric.Saas@dnr.ohio.gov

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