

Narrative Descriptions/Updates for Maumee AOC Recommended and Proposed Management Action Projects (MAPs)

> **BLUE text indicates new project information for October 2018** <

NOTE: Sections have been reorganized to:

- *Funding Needed* - *Funding Committed/Received* - *Project Complete*

MAPs Endorsed by the MAAC, Ohio EPA & US EPA

FUNDING NEEDED

MAP 15-16: Oak Savannah Acquisition & Restoration

Background: Green Ribbon Initiative partners are interested in acquisition of a 30-acre parcel of good quality oak savanna and oak woodland located in the Oak Openings Priority Conservation Area. The property is located northwest and adjacent to the Southview Oak Savanna, operated by The Olander Park System. The property is adjacent to the campus of Southview High School, close to the new Sylvania Public Library and accessible from the regional University-Parks Trail.

In 2015, GRI partners were approached by the owner of the 30-acre property. She wanted advice and help in improving the oak savanna habitat on the property. GRI partners discussed habitat improvements with her and the possibility of a GRI partner purchasing the property or utilizing a different approach to protecting the property, such as a conservation easement. *(updated 2/22/17)*

Updated 11/5/17 with info from Erika Buri, TOPS

- There has been no activity on this project, as there is no funding in place yet.

Updated 4/5/18 with info from Erika Buri, TOPS

- There has been no activity on this project, but it is on the April agenda of the TOPS Board of Directors.

Updated 5/5/18 with info from Erika Buri, TOPS

- TOPS Board of Directors decided to not pursue this project.

Updated 8/5/18 with info from Cherie Blair, Ohio EPA

- A substitute project of similar acres and restorability just a few miles away has been identified with a willing landowner and implementer. An application for funding is expected in the Fall 2018. This project will be updated when details are worked out.

Project Lead: ~~The Olander Parks System (TOPS)~~

Timeline: 2020

Funding Need: \$510,000

MAP for BUI: BUI 14b – Loss of Wildlife Habitat

MAP 24-17 (formerly P-45-16): Penn 7 Wetland Restoration

Background: The vacant 58.86-acre Penn 7 property is a former confined disposal facility on the lower Maumee River owned by the City of Toledo. The site accepted material dredged from the Maumee River shipping channel in 1972 and 1973. A detailed feasibility study was completed in 2016 resulting in preliminary designs. The City of Toledo's proposed restoration involves creating fish habitat within the southern end of the site that progresses into an emergent wetland area. The existing southern dike will be breached, and a water control structure installed to allow direct connection with the Maumee River. There will also be a forested upland area near the center of the site created from relocated on-site soils. The northern embayment area will be diked to control water levels and connect the embayment area with the Maumee River to create improved habitat, including ideal fish nursery habitat. Current project funds will be used to complete all field work and research required to finalize engineering and site design for the on-the-ground restoration. Concurrently, the process to acquire all necessary permits for the project will be initiated with

local, state, and federal agencies. Project partners will also begin the task of involving the public with the project and soliciting stakeholder input. Completion of these tasks will enable project partners to move forward with the final restoration of the site. Future funding for the Penn 7 project will cover on-the-ground implementation and will ultimately result in restoration of fish habitat, restoration of open water and emergent wetland, and increased fish nursery habitat. Final restoration will restore 8.5 acres of emergent coastal wetland and 6.7 acres of submerged coastal wetlands along the Maumee River. *(updated 8/10/17)*

Updated 9/5/17 with info from Eric Ellis, Great Lakes Commission

- Great Lakes Commission has received NOAA Partnership funding to proceed with Engineering and Design for this project. They are working with the City of Toledo to get a project agreement in place.

Updated 10/5/17 with info from Eric Ellis, Great Lakes Commission

- GLC has drafted and submitted a cooperative sub-agreement to the City of Toledo that outlines the project and responsibilities of the parties involved. The City is currently reviewing the agreement.

Updated 11/5/17 with info from Eric Ellis, Great Lakes Commission

- Sub-agreement paperwork with the City of Toledo is still pending, but we have made significant strides. We anticipate having a signed agreement and the project moving forward in late Nov. or Dec.

Updated 12/5/17 with info from Eric Ellis, Great Lakes Commission

- The sub-agreement with the City of Toledo is finalized. It is currently pending GLC Interim Director's signature. Once signed there should be more progress to report.

Updated 1/5/18 with info from Eric Ellis, Great Lakes Commission

- GLC and the City of Toledo have finalized and signed our cooperative agreement. We will likely start with the bidding process for the engineering and design work soon.

Updated 3/5/18, 4/5/18 with info from Eric Ellis, Great Lakes Commission

- This project is indefinitely on hold as the new leadership in Toledo considers what they would like to do with the parcel. This is the exact quote: "At this time, the City of Toledo will not be proceeding with this project as we determine the best utilization of this property."

Updated 7/5/18 with info from Cherie Blair, US EPA

- A meeting was held with partners (Ohio EPA, GLC, Toledo, NOAA) on June 29. The City of Toledo has agreed to proceed with this project. GLC and Toledo are working out agreement details and toward the release of an RFP as soon as possible.

Updated 8/5/18 with info from Eric Ellis, Great Lakes Commission

- GLC and the City have been in contact and are finalizing an updated program timeline. Once this is completed, the final agreement documents will be sent to the City for completion and work on the engineering and design contractor selection will begin.

Updated 10/5/18 with info from Eric Ellis, Great Lakes Commission

- NOAA has allocated funds for the engineering and design of this project through their Regional Partnership with the Great Lakes Commission (GLC). GLC and the City have finalized an updated project timeline and agreement. Engineering and design contractor selection will begin soon.

Project Lead: City of Toledo

Timeline: 2017-2019

Funding Need: \$1,400,000 (E&D funding awarded: \$160,000)

DMDS Link: <http://dmds.maumeerap.org/view.cfm?type=project&id=440>

MAP for BUI: BUI 14b – Loss of Wildlife Habitat

MAP 25-17 (formerly P-28-16): Howard Marsh Metropark - Phase 2

Background: 240-acre restoration of upland forest (20-acre) and coastal marsh (220-acre)

Phase 1 is currently under construction. *(updated 2/22/17)*

Updated 9/5/17 with info from Tim Schetter, Toledo Metroparks

- No progress. Awaiting funding for engineering and design.

Updated 11/5/17 with info from Tim Schetter, Toledo Metroparks

- Metroparks Toledo is currently in discussions with Ducks Unlimited and NOAA to advance engineering and design plans for Howard Marsh Phase II. If funding is available, design work will begin in 2018.

Updated 3/5/18 with info from Russ Terry, DU

- DU is working with NOAA to finalize a budget and scope of work for Phase II that will allow NOAA to allocate to DU via our regional partnership agreement the funds needed to design this project.

Updated 3/5/18 with info from Russ Terry, DU

- For Phase II engineering, DU is working with NOAA to finalize a budget and scope of work that will allow NOAA to allocate the funds needed for DU complete the wetland restoration design via our regional partnership agreement. We expect the budget and scope to be complete this week and funds to be available as early as June 1.

Updated 5/5/18 with info from Russ Terry, DU

- For Phase II engineering, DU and NOAA finalized a budget and scope of work that will allow NOAA to allocate the funds needed for DU complete the wetland restoration design via our regional partnership agreement. We expect the NOAA funds to be available in August or September.

Updated 6/5/18 with info from Russ Terry, DU

- NOAA still anticipates allocating the funding needed to fully complete the engineering design to DU via our regional partnership agreement with an August/September start date.

Updated 8/5/18 with info from Russ Terry, DU

- NOAA is in the process of allocating the funding needed to complete engineering and design plans to DU via our regional partnership agreement. DU has a call scheduled later this month with NOAA to discuss timelines, etc. associated with these funds.

Updated 10/5/18 with info from Russ Terry, DU

- NOAA has allocated the funding needed to complete the engineering and design to DU via our regional partnership agreement. DU, Toledo Metroparks, NOAA and ODOW are meeting in early November to kick-off this new project.

Project Lead: Toledo Area Metroparks/Ducks Unlimited

Timeline: 2018-2020

Funding Need: \$3,300,000 (E&D funding awarded: \$250,000)

DMDS Link: <http://dmds.maumeerap.org/view.cfm?type=project&id=445>

MAP for BUI: BUI 14b – Loss of Wildlife Habitat

MAP 27-17 (formerly P-56 to 60-16): Kitty Todd Expansion

Background: This project has been modified to incorporate the non-MAP Sandhill Crane Wetland Restoration Project (*Bettinger Property*) into this project. This is due to additional funding being needed primarily to complete the earthwork associated with the wetland restoration of this property. With the incorporation of this sub-project, MAP 27-17 would convert over 280 acres of current row-crop agriculture and 11 acres of residential land cover to Oak Openings habitat and enhance 17.5 acres of degraded Oak Openings habitat. The 3 sub-projects below have been updated to reflect the new MAP 27-17. (*updated 4/5/18*)

Overall Project Update (see each sub-section for specific activities)

Updated 4/5/18 with info from Cherie Blair, Ohio EPA

- The TNC has provided information to Ohio EPA for their use in a passthrough grant application. Ohio EPA is working on this application.

Updated 5/5/18 with info from Julia Gehring, TNC

- Application materials submitted by TNC to OEPA. OEPA has indicated materials have been reviewed internally and plan to share with USEPA. Sellers remain willing. The only property since

the last update that has changed in availability is the Jeffries property on Garden Rd (~3 acres) has official foreclosed and will be up for Sherriff's auction in the near future. This change in property status implies that there will be a limited opportunity to purchase the property in the near future.

Updated 8/5/18 with info from Cherie Blair, Ohio EPA

- Ohio EPA has received their award from US EPA and has requested a subgrant application from TNC. This application should be submitted to Ohio EPA by the end of August.

Updated 9/5/18 with info from Cherie Blair, Ohio EPA

- Ohio EPA has received TNC's subgrant application and it is being reviewed.

Updated 10/5/18 with info from Steve Woods, TNC

- The proposal submitted to Ohio EPA last month received initial review by Ohio EPA and modifications have been made by TNC based on that feedback. The final proposal has been submitted and is being reviewed by Ohio EPA.

MAP 27a-17: Sandhill Crane Wetland Restoration Project (Bettinger property)

The Bettinger farm is the largest remaining unprotected parcel in the historic Irwin Wet Prairie. This project will restore 280 acres of agricultural land to Oak Openings Habitat. The project is to restore approximately 192 acres of the wettest areas to lakeplain wet prairie communities, such as twig rush wet prairie and mesic sand tallgrass prairie and pin/swamp white oak flatwood forests. In the slightly higher elevations on better drained soils, TNC will plant native grasses, forbs and oak trees to restore approximately 88 acres of oak savanna and prairie habitat. These improvements will provide ecosystem services such as wildlife habitat, flood water retention and nutrient storage for the Maumee AOC as it is strategically located hydrologically along a major ditch.

Updated 3/5/18 with info from Julia Gehring, TNC

- The Mannik & Smith Group have completed 60% design and cost opinions. They have also created 60% plans for an alternative design which increase habitat heterogeneity and sandhill crane nesting/habitat. TNC has shared all of these plans with Ohio EPA WRRSP program for comment. 100% design plans and alternative plans are expected 4/1/2018.
- The expected closing date for purchase of this property is 12/2018.
- GLRI funds are needed for the soil contouring and revegetation restoration of the property to maximize wildlife habitat and watershed benefits.

Updated 6/5/18 with info from Steve Woods, TNC

- No change in status; awaiting funding determination

Updated 7/5/18 with info from Steve Woods, TNC

- TNC's contract with The Mannik & Smith Group to create restoration engineering drawings is complete. MSG has developed plans and cost estimates. TNC is seeking funding for the restoration. We anticipate taking ownership of the property before the end of 2018 and are prepared to begin earthwork in June 2019 if funding is available.

Updated 10/5/18 with info from Steve Woods, TNC

- With the final proposal under review this project is on schedule to move forward immediately upon final approval of funds. We anticipate that a QAPP will be developed during October and on-the-ground work will begin as soon as the ground thaws in March 2019.

MAP 27b-17: Irwin Prairie PCA Acquisition & Restoration (2 property owners)

This sub-project is to acquire and restore the Jeffries property (Garden Rd.) and Phiels property (Schaffer Rd.). These parcels total approximately 18.5 acres and currently contain approximately 9.5 acres in turf grass/ruderal species and residential structures, 5.5 acres of upland, and 3.5 acres of wetlands and flatwoods forests. The Phiels property contains several acres that have been stripped of natural vegetation for residential use and approximately 10 acres of highly developable remnant oak savanna on a sandy dune. This property is located between two of Kitty Todd Preserve's highest quality Oak Savanna's parcels containing imperiled Midwest sand barrens natural communities, wild turkeys and many rare

species including the federally endangered Karner Blue Butterfly. Phiels is a known willing seller, and the property owners intend on listing the property for sale in the immediate future

The Jeffries property is one of only two parcels located between flatwood wetlands on Kitty Todd Preserve and Wiregrass Ditch. Wiregrass Ditch is one of the largest ditches in the area and is the primary waterway draining wetlands on Kitty Todd Nature Preserve, Irwin State Nature Preserve, and Toledo Metropark Oak Openings Corridor. Local partners are working to acquire parcels along the ditch to restore the historic 5,700-acre Irwin wet prairie wetlands along edges thereby increasing wildlife habitat, reducing nutrient loadings and improving water storage. The house on the site has been abandoned and is expected to be put up for auction in the immediate future.

Restoration of the MAP 27b-17 properties will include removal of invasive species, reducing brush, and seeding with native high diversity local ecotype seed. In addition, there is a former borrow pit on the Phiels property from historic sand mining that TNC would restore to wetland habitat. TNC has high confidence that these activities will result in approximately 5.5 acres of high-quality wetland and 13 acres of high-quality upland habitats.

Updated 6/5/18 with info from Steve Woods, TNC

- Awaiting funding determination from Ohio EPA and USEPA. We believe that one priority parcel (Phiels) may have been sold to a different private party while we were awaiting funding. It is believed that this party is a real estate developer who plans to put a subdivision on the property. This is a huge loss for conservation in the area because of the high quality of habitat and the fragmentation of other adjacent high-quality habitat that would result if this development occurs. There are other parcels already identified that can be substituted for this acreage.

Updated 7/5/18 with info from Steve Woods, TNC

- Awaiting funding determination from Ohio EPA and USEPA. We have confirmed that the Phiels property has been sold to a different private party while we were awaiting funding. A second property Jefferies has been foreclosed and the bank is cleaning up junk from the property in preparation to sell it.

Updated 10/5/18 with info from Steve Woods, TNC

- Both the Phiels and Jefferies properties have sold to other buyers and TNC has reached out to the new landowners to inquire about acquisition. We will give priority to acquisition of these parcels if new landowners express interest but are seeking alternative landowners whose property may provide similar acreage and habitat quality. We have received multiple positive responses to this solicitation and are ready to act when funds are approved for this project.

MAP 27c-17: N. Eber Rd. Acquisition & Enhancement (2 property owners)

This sub-project is to acquire and restore the Pheasant Run and Perry Real Estate properties located along Angola Rd. which would connect Kitty Todd Preserve with Toledo Metroparks' Oak Opening Corridor properties to the north. These properties total approximately 10 acres and currently contain approximately 3.5 acres in turf grass/ruderal species and residential structures, 5 acres upland, and 1 acre of wetlands and flatwoods forests. The two parcels are adjacent to one another and contain a large sand dune with an overgrown, oak savanna remnant. The encroachment by weedy tree and shrub species has shaded out and degraded the understory community which degrades the wildlife habitat quality for savanna species such as wild turkey, box turtle and Karner Blue Butterfly. The location of these properties along the top of a large-scale sandy ridge makes these and adjacent properties ideally situated to contribute to the regional savanna habitat corridor. Both landowners are real estate investors who have sold properties to The Nature Conservancy in the past and have offered to sell these properties to us. Restoration of these properties would consist of removal of invasive species, brush removal, thinning red maple saplings and seeding with native high diversity local ecotype seed.

Updated 6/5/18 with info from Steve Woods, TNC

- No change in status; awaiting funding determination

Updated 7/5/18 with info from Steve Woods, TNC

- There is no change since last month to the best of our knowledge the landowners have indicated their willingness to sell these parcels if funding could be secured.

Updated 10/5/18 with info from Steve Woods, TNC

- This project is ready and awaiting final approval of funds. We have affirmed the landowner willingness to sell. We will conceivably move forward with acquisition of these parcels before spring of 2019.

Project Lead: The Nature Conservancy (TNC)

Timeline: 2018-2021

Funding: ~~\$1,398,093~~ increased to \$1,400,000* (plus \$3,545,700 match from Ohio EPA WRRSP) (4/5/18)
(additional funds are required for Ohio EPA to manage this as a pass-through grant project)

DMDS Link: ~~27a-17: <http://dmds.maumeerap.org/view.cfm?type=project&id=469>~~

~~27b-17: <http://dmds.maumeerap.org/view.cfm?type=project&id=465>~~

~~27c-17: <http://dmds.maumeerap.org/view.cfm?type=project&id=466>~~

~~27d-17: <http://dmds.maumeerap.org/view.cfm?type=project&id=467>~~

~~27e-17: <http://dmds.maumeerap.org/view.cfm?type=project&id=468>~~

DMDS project pages have not been updated to reflect the changes described in this report. 4/18

MAP for BUI: BUI 14b – Loss of Wildlife Habitat

MAP 28-17 (formerly P-54, 55, 61, 61-16): Maumee State Forest Expansion

Background: This suite of projects would result in the acquisition, restoration and/or enhancement of 152 acres within Ohio Dept. of Natural Resources Maumee State Forest. To assist with tracking the progress on this project, it has been broken into 4 parts (28a-17 to 28e-17) (updated 12/22/17)

Overall Project Update (see each sub-section for specific activities)

Updated 4/05/18 with info from Don Schmenk, ODNR

- Application and scope of work has been submitted to US EPA, with much help from Cherie Blair, Ohio EPA. Division of Forestry staff at District and Columbus level reviewing project to see if implementing of project is possible based on spending authority restrictions and state controlling board approvals.

Updated 7/05/18, 8/5/18 with info from Don Schmenk, ODNR

- ODNR Forestry staff in Columbus working with US EPA staff to get project agreements/updates and entered in to grants.gov.

Updated 10/5/18 with info from Don Schmenk, ODNR

- ODNR Forestry staff in Columbus continue working with US EPA staff to get project agreement in place.

MAP 28a-17: Maumee State Forest (Chambers Property)

Acquisition of 75 acres from willing seller. Site is mosaic mixture of woodland, wetland and actively farmed agricultural land. There are 2 small creeks/drainage ditches on the property. An old home site is included on the property. Home site does not contain any known toxic substances, but does need cleanup in terms of miscellaneous objects/junk including; old dilapidated buildings, foundations, trailers, garage door panels, old cars, old equipment, etc. Rough estimate for clean-up is \$50,000. Acquisition would allow conversion of agricultural land to forestland/wetland. Project actions would include; acquisition, cleanup, hydrology work, tree planting, woodland enhancement and establish wetlands in the extremely wet soils. Existing woodlands to be enhanced by controlling invasive species, red maple control, buttonbush swamp enhancement, Blandings turtle habitat enhancement and encouraging oak dominated

forest. Parcel is connected on 3 sides to landlocked portion of Maumee State Forest. One portion of the Chambers parcel is connected to MAP 7-16 previously funded.

NOTE: This property is listed for sale on the open market through a realtor. Due to the threat of this property selling to a private owner, the priority for funding is high. Landowner desires to sell to ODNR.

Updated 02/5/18 with info from Don Schmenk, ODNR

- Recent communications with land owner indicate property is still available. Still listed by a realtor. They do have at least one offer at this time. If offer is accepted new owner may install a sand mine/pit. Landowner still desires to sell to ODNR. IMMEDIATE FUNDING NEEDED!

Updated 4/5/18 with info from Don Schmenk, ODNR

- Owner has offers on all parcels but is still holding out for state to buy as for now.

Updated 7/5/18 with info from Don Schmenk, ODNR

- Owner has decided to sell 2 parcels to private buyer. Still has one parcel holding and hoping state will purchase. Potential purchase complications due to life lease situation.

Updated 8/5/18 with info from Don Schmenk, ODNR

- Recent conversation with Mr. Chambers indicates he is still willing seller of the 20-acre parcel.

Updated 10/5/18 with info from Don Schmenk, ODNR

- Nothing new to report.

MAP 28b-17: Maumee State Forest (Rusin-2 Property)

Acquisition of 22 acres from willing seller. Site is a primarily agricultural land with a small portion of woodland on the east side. There is 1 small creek/drainage ditch on property. There is no home site included in this property. Acquisition would allow agricultural conversion from farmland to forestland/wetland. Project actions would include; acquisition, tree planting, woodland/wildlife enhancement and potential establishment of wetlands in the extremely wet soils. Existing woodlands are on higher drier soils and to be enhanced by controlling invasive species, red maple control, and utilizing forestry practices to encourage oak dominated forest. Parcel is connected on 2 sides to Maumee State Forest. This parcel is also connected to previously funded MAP 7-16. Recently learned this property is being enrolled into an oak savanna tree planting project through USDA/FSA.

Updated 02/05/18 with info from Don Schmenk, ODNR

- Recent talk with landowner indicates he is still a willing seller. Oak savanna practice soon to be installed by USDA/FSA farm programs. Waiting on funding.

Updated 4/05/18 with info from Don Schmenk, ODNR

- Recent talks with Mr. Rusin indicate he is still a willing seller and is not going to install the oak savanna practice as for now.

Updated 7/05/18, 8/5/18 with info from Don Schmenk, ODNR

- Recent talks with Mr. Rusin indicate he is still a willing seller. He is row crop farming his land this year.

Updated 10/5/18 with info from Don Schmenk, ODNR

- Nothing new to report. Still a willing seller.

MAP 28c-17: Maumee State Forest (Dangler Property)

Acquisition of 40 acres from willing seller. Site is a mixture of mature woodland, wooded wetland and early successional reverting woodland. Portion of woods contains interesting horseshoe shaped area having high potential for buttonbush swamp restoration and/or wooded wetland enhancement. Project actions would include; acquisition and woodland/wildlife enhancement. Existing woodlands to be enhanced by controlling invasive species, red maple control, buttonbush swamp enhancement, Blandings turtle habitat enhancement and encouraging oak dominated forest. Parcel is connected on one side to Maumee State Forest. Land owner has given a 2-year timeline for purchasing.

Updated 02/05/18 with info from Don Schmenk, ODNR

- No new activity to report. Do have call into landowner to stay updated with parcel availability status. Waiting on funding.

Updated 7/5/18, 8/5/18 with info from Don Schmenk, ODNR

- No new activity to report. No recent contact with seller. Waiting on funding.

Updated 10/5/18 with info from Don Schmenk, ODNR

- Nothing new to report. No recent contact with seller.

MAP 28d-17: Maumee State Forest (Bostleman Property)

Acquisition from willing seller. Site is partial agricultural land and part woodland. There is no home site included in this property. Acquisition would allow agricultural conversion from farmland to forestland/wetland. Project actions would include; acquisition, tree planting, woodland/wildlife enhancement and potential establishment of wetlands in the extremely wet soils. Existing woodlands on higher drier soils and to be enhanced by controlling invasive species, red maple control, and utilizing forestry practices to encourage oak dominated forest. Parcel has connectivity to 2 boundaries of Maumee State Forest. This parcel is also connected to previously funded MAP 8-17.

Updated 02/05/18 with info from Don Schmenk, ODNR

- No new activity to report. Recent contact with Landowner's brother indicated property is still available. Waiting on funding.

Updated 7/5/18, 8/5/18 with info from Don Schmenk, ODNR

- No new activity to report. No recent contact with seller. Waiting on funding.

Updated 10/5/18 with info from Don Schmenk, ODNR

- Nothing new to report. Recent conversation with Sue Bostleman indicates she is still a willing seller, if offer/appraisal is acceptable to her.

Project Lead: Ohio DNR – Division of Forestry

Timeline: 2018-2020

Funding: \$1,369,500

DMDS Link: 28a-17: <http://dmds.maumeerap.org/view.cfm?type=project&id=452>
 28b-17: <http://dmds.maumeerap.org/view.cfm?type=project&id=453>
 28c-17: <http://dmds.maumeerap.org/view.cfm?type=project&id=454>
 28d-17: <http://dmds.maumeerap.org/view.cfm?type=project&id=455>

MAP for BUI: BUI 14b – Loss of Wildlife Habitat

MAPs Endorsed by the MAAC, Ohio EPA & US EPA FUNDING COMMITTED/RECEIVED

MAP 1-16: Magee Marsh State Wildlife Area (MMWA)

Background: This project is focusing on the main distribution pump structure at Turtle Creek and the 2 main water control structures that feed all of MMWA and a portion of the neighboring Ottawa National Wildlife Refuge. The ODNR-DOW desires to redesign the infrastructure at MMWA with more innovative materials and concepts than what has previously been done, including design for improved fish passage through the main pump structure and increased water conveyance throughout the marsh. Therefore, the following enhancement objectives are provided for this project:

1. Improve wetland management capacity on 2,700 acres of coastal wetlands at MMWA and adjacent Ottawa National Wildlife Refuge.
2. Provide passive management options that improve passage of native fish into a coastal wetland.
3. Reduce the threat of non-native, invasive plants and animals.
4. Improve cost-effectiveness and sustainability of management on a regionally important coastal wetland complex.

In 2016 the ODNR-DOW, in partnership with The Nature Conservancy, has completed engineering design for these 3 structures and is ready for implementation. (1000 acres) (enhancement; coastal wetland) (*updated 3/1/17*)

Updated 9/5/17 with info from Patrick Baranowski, ODNR

- Developing project application for potential AOC funding
- Based on final E&D estimates the funding needed has increased to \$675,000 for construction, materials and contract services

Updated 10/5/17, 11/5/17, 12/5/17 with info from Patrick Baranowski, ODNR

- No new activity to report.

Updated 2/5/18 with info from Patrick Baranowski, ODNR

- Preparing project application, pursuing USACE & associated construction permits and compiling bid documents.

Updated 3/5/18 with info from Patrick Baranowski, ODNR

- No new activity to report.

Updated 4/5/18 with info from Dave Sherman, ODNR

- An application submission into grants.gov is in process and will be submitted the week of April 9. Waiting on administration signatures on the SF424.
- Had a conference call with ODNR, Division of Engineering to discuss how to proceed with this project once the grant is awarded

Updated 7/5/18 with info from Dave Sherman, ODNR

- The grant application has been submitted and we have been working with US EPA to clarify questions they have had on the application. We are awaiting notification of the award.

Updated 8/5/18 with info from Dave Sherman, ODNR and Leah Medley, US EPA

- Awaiting notification of the award; agreement being finalized.

Updated 10/5/18 with info from Dave Sherman, ODNR

- We received the award notification.

Project Lead: Ohio DNR – Division of Wildlife

Timeline: ~~2016-2018~~ 2018-2020 (*updated 10/18*)

Funding: ~~\$500,000~~ increased to \$675,000 (*updated 9/5/17*) (*moved to funded 10/18*)

DMDS Link: <http://dmds.maameerap.org/view.cfm?type=project&id=438>

MAP for BUI: BUI 14b – Loss of Wildlife Habitat

MAP 2-16: Toussaint Parcel East and MAP 3-16: Toussaint Parcel West

Background MAP 2-16: Ducks Unlimited will use funding provided by NOAA through the Great Lakes Restoration Initiative to acquire and restore 118.58 acres of land along the south side of the Toussaint River and adjacent to the Blausey Unit of Ottawa National Wildlife Refuge. The property contains about 100 acres of agriculture, 10 acres of uplands woods, and wetlands restored through the CREP. DU will purchase this land from a willing seller and then provide the topographic survey, engineering design, and bidding & contracting services to fully restore the property to wetlands and uplands. Once the land has been restored, DU will transfer title to the U.S. Fish and Wildlife Service as part of Ottawa NWR. (118 acres) (restoration; coastal wetland) (updated 3/15/17)

Background: MAP 3-16: Ducks Unlimited will use EPA GLRI funding provided by NOAA through a regional partnership agreement to purchase 85 acres in fee title. Once acquired, DU will provide the topographic survey and engineering design needed to maximize the restoration of wetlands and uplands on this property. Once restored, Ducks Unlimited will donate the land to the U.S. Fish and Wildlife Service as part of Ottawa National Wildlife Refuge. This property contains agriculture and riparian habitat along the north shore of the Toussaint River, immediately north of Toussaint Wildlife Area. (85 acres) (restoration; coastal wetland) (updated 3/15/17)

Updated 9/5/17 with info from Russ Terry, DU

Ducks Unlimited (DU) has purchased one of the original target properties, however the landowner of the other original properties changed their mind. DU has continued to pursue the purchase of nearby properties, but due to landowners' willingness then changing their minds, they have not been successful. Below is a bullet of the progression of these projects:

- DU appraised the Hemminger East and Hemminger West properties that were the original target acquisitions. The landowner declined our FMV offers.
- DU purchased a 50.5-acre farm adjacent to the Blausey Unit of Ottawa NWR on the south side. This property has been surveyed by DU and we are beginning to work on conceptual design ideas for habitat restoration.
- DU and USFWS met with two landowners on the north side of the Toussaint River nearby to the Gaeth-Kurdy Unit of Ottawa NWR. One of the landowners expressed strong interest in selling to DU and so we secured the internal approvals necessary for DU to buy and hold title to the property. However, the landowner changed their mind and has decided to not sell.
- DU and USFWS met with a relator on a farm that has a section of Packer Creek flowing through it. We secured internal approvals to purchase this land and sent a Letter of Intent and a commitment of an earnest payment to the seller, but they were already entertaining another offer, which they ultimately accepted.
- DU and USFWS have sent letters to more than 30 other landowners with priority parcels of agricultural land along and nearby the Toussaint River, Toussaint Creek and Packer Creek but no strong leads have developed thus far.

Once the land has been restored, DU will transfer title to the U.S. Fish and Wildlife Service as part of Ottawa NWR. (118 acres [east] & 85 acres [west]) (restoration; coastal wetland) (updated 9/5/17 with info from Russ Terry, DU)

Updated 11/5/17 with info from Russ Terry, DU

- DU is proceeding with the purchase of a 78-acre farm that includes more than ¾ mile of Toussaint Creek flowing through it. This property came through our cold call letter outreach efforts to priority landowners. The appraisal came in yesterday and is being reviewed now. Once approved, DU will present a formal purchase agreement to the seller. DU also secured the internal approvals needed to purchase and hold title to this property. USFWS conducted a Phase I environmental assessment on October 27.

- DU completed a topographic survey of the 50.5-acre Weber farm that we purchased on June 30. In early December, DU will meet with staff from Ottawa NWR to begin the engineering design process for restoring wetlands on this property.

Updated 12/13/17 with info from Russ Terry, DU

- Topo survey of the 50-acre Weber farm is complete. We are now initiating the design for the restoration of wetlands on the property. Restoration tentatively planned for fall 2018 or spring 2019. DU intends to transfer title to FWS in CY 2018. DU has a signed purchase agreement on a 78-acre Schiller farm east of Rocky Ridge that includes about a mile of Toussaint Creek. We hope to purchase by Feb 28 and conduct the survey before crops are planted in spring 2018. Still looking for an additional property to acquire.

Updated 2/5/18 with info from Russ Terry, DU

- DU has a signed purchase agreement on a 78-acre Schiller farm with more than $\frac{3}{4}$ mile of Toussaint Creek flowing through it. We hope to complete this acquisition by mid-March. A boundary survey is being conducted now.
- DU met with the USFWS in early December to discuss concept restoration ideas for the 50-acre Weber farm that DU acquired in June 2017. We will be working on the design and permitting over the next several months with the hope of starting construction either in fall 2018 once crops are harvested or in spring 2019.
- DU is meeting with USFWS on Jan. 31 to develop a strategy for acquiring the approximate 75 acres needed to meet our remaining land protection objective for this project.

Updated 3/5/18 with info from Russ Terry, DU

- DU purchased the 78-acre Schiller farm with more than $\frac{3}{4}$ mile of Toussaint Creek flowing through it on February 27. Next steps are a topo survey, then the engineering design for wetland restoration.
- DU engineers are working on the conceptual design for restoring wetlands on the 50-acre Weber farm that DU acquired in June 2017. We hope to start construction either in fall 2018 once crops are harvested or in spring 2019.
- DU still must acquire another 75 acres in order to meet the 203-acre goal in our cooperative agreement with USFWS. We have no solid leads currently and so will be resending old cold call letters and sending letters to new landowners once USFWS develops a priority list.

Updated 4/5/18 with info from Russ Terry, DU

- DU still must acquire another 75 acres to meet the 203-acre goal in our cooperative agreement with USFWS. We have no solid leads currently and this week are resending old cold call letters and sending letters to a list of 46 new landowners from a priority list prepared by USFWS. We are hoping these letters will generate some interest and lead to a final purchase.

Updated 5/5/18 with info from Russ Terry, DU

- DU sent letters to 46 new landowners from a priority list prepared by USFWS and we received calls from 10 interested landowners. DU and USFWS now must prioritize these 10 landowners/properties then proceed with appraisals and other due diligence.

Updated 6/5/18 with info from Russ Terry, DU

- DU still must acquire another 75 acres to meet the 203-acre goal in our cooperative agreement with USFWS. We are pursuing the acquisition of two properties totaling 80 acres both of which have restorable wetlands and are adjacent to other ONWR-owned properties. By the end of June, I will have both layers of internal approval for DU to buy and hold title to these tracts and in the meantime, I will be bidding and contracting appraisals. The intent is to acquire both within the next three-four months.
- Engineering design for wetland restoration on our 50-acre Weber farm is moving along and we should have that completed this summer/early fall and then will move into permitting with the plan to hire contractors and restore the habitat in 2019.
- DU hired a new engineer who started on June 1. He will be assuming responsibility for designing the wetland restorations on the Schiller property. Hopefully the design will be completed before the end of the calendar year.

Updated 7/5/18 with info from Russ Terry, DU

- DU has hired an appraiser to determine the Fair Market Value of the two properties in last month's update. Appraisals due August 10. The intent is to acquire both within the next two-three months.
- Some initial topo survey and soils analysis have been done on the Schiller farm.

Updated 8/5/18 with info from Russ Terry, DU

- Soil and topographic surveys on our Schiller farm are complete. DU and USFWS will meet soon to discuss the scope of restoration to occur on this 78-acre property.

Updated 10/5/18 with info from Russ Terry, DU

- DU still must acquire another 75 acres to meet the 203-acre goal in our cooperative agreement with USFWS. We are pursuing the acquisition of two properties totaling 80 acres both of which have restorable wetlands and are adjacent to other ONWR-owned properties. Landowners have accepted FMV offers and purchase agreements are in process.
- Engineering design for wetland restoration on our 50-acre Weber property should be completed by late fall and then will move into permitting with the plan to bid and contract construction and restore wetland habitat in 2019.
- Soil and topographic surveys on our Schiller property are complete. Restoration of this 78-acre farm will focus on reforestation. DU and USFWS working on the restoration plan now with the intent to restore habitat in 2019.

Project Lead: US FWS in collaboration with Ducks Unlimited

Timeline: 2017-2020

Funding: MAP 2-16: \$1,300,000 (US EPA – GLRI) and MAP 3-16 \$997,000 (US EPA – GLRI)

DMDS Link: MAP 2-16: <http://dmds.maumeerap.org/view.cfm?type=project&id=435>
MAP 3-16: <http://dmds.maumeerap.org/view.cfm?type=project&id=434>

MAP for BUI: BUI 14b – Loss of Wildlife Habitat

MAP 7-16: Maumee State Forest site 1 (Carter and Rusin-1 Property)

Background: Acquisition of 24.8 acres from willing seller (Carter). Parcel is currently actively farmed agricultural land. Acquisition will allow us to convert from farmland to forestland/wetland. Project actions would include acquisition, hydrology work (breaking/removing drainage tile), tree planting on suitable high soils and establish wetlands in the extremely wet soils. Parcel is connected to adjacent boundary of a landlocked, fragmented parcel of Maumee State Forest. A culvert installation across drainage ditch will give connectivity to this parcel.

This project also includes tree planting on the recently acquired Rusin Tract. Approximately 4800 trees consisting of white oak, red oak, black oak, black walnut and American Chestnut were planted spring 2017. This will be conversion of farmland to oak dominated forest on 13.2 acres. This area is predominately higher drier soils; thus, tree planting is most appropriate practice (wetland type restoration does not apply here). Hydrology work may be considered as a drainage ditch (with tributaries) does exist on one part of the tree planting boundary. However, hydrology work will be limited to a tributary of Blue Creek so not to disturb drainage regime on private property. This tract was farmed up until 2013. (38 acres) (restoration; Oak Openings) (updated 8/4/17)

Updated 9/5/17 with info from Don Schmenk, ODNR

- Waiting to receive final Agreement and Award between ODNR and US EPA
- Recent contact with Mr. Carter confirming he is still a willing seller.
- On Rusin tract, approximately 4800 trees consisting of white oak, red oak, black oak, black walnut and American Chestnut were planted spring 2017.

Updated 10/5/17 with info from Don Schmenk, ODNR

- No new activity to report.

Updated 11/5/17 with info from Don Schmenk, ODNR

- Final Agreement and Award has been finalized/received between ODNR and US EPA.
- Official process to acquiring Carter property has begun within ODNR Div. of Real Estate. Mr. Carter still a willing seller.

Updated 2/5/18 with info from Don Schmenk, ODNR

- Process to acquire Carter property has begun. Working on appraisal.

Updated 4/5/18 with info from Don Schmenk, ODNR

- Acquisition of Carter property still on-going. Quality Assurance Project Plan (QAPP) being finalized/revisions.

Updated 7/5/18 with info from Don Schmenk, ODNR

- Acquisition of Carter property still on-going. Appraisals nearly complete. Quality Assurance Project Plan (QAPP) finalized with agency signatures. First drawdown of funds submitted June 27, 2018.

Updated 8/5/18 with info from Don Schmenk, ODNR and Ben Alsip, US EPA

- Appraisals on Carter Property Acquisition are completed. Two independent appraisals were completed by ODNR contractors. Recommended appraisal came in higher than anticipated. Request made by Greg Guess of ODNR Forestry for additional \$26,000 to be added to Grant. (Per US EPA, this increase should be possible with FFY18 funds, but it has not been finalized.)
- Mowing maintenance performed on Rusin-1 Tree planting site. Trees looking good. Good survivability and growth.

Updated 10/5/18 with info from Don Schmenk, ODNR

- Carter Property acquisition in progress. Hope to have possession by end of Calendar year 2018.
- Rusin Tree planting doing well. Survival counts to be taken in late October or November.

Timeline: ~~2016-2018~~ changed to 2017-2020 based on funding award date (updated 1/18)

Funding: \$220,000 (US EPA – GLRI)

DMDS Link: <http://dmds.maameerap.org/view.cfm?type=project&id=456>

MAP for BUI: BUI 14b – Loss of Wildlife Habitat

MAP 8-16: Maumee State Forest site 2 (Hight wetland & forest property [north])

Background: The TNC Hight Tract north parcel is 42.3 and acre and south parcel is 70.6 acres for a combined total of 113 acres. Of these 113 acres, 75.4 acres is bare land and 37.5 acres is wooded. This project #2 is concentrating on restoring the bare land, some of which was farmed up until 2014. Of this 75.4 acres of bare land, 33.8 acres is drier soil types (Ottokee/Tedrow) and will be planted to trees forming oak dominated woodlands and oak savannas. A small portion of drier soils on high dunes may be planted to establish dry prairies as well.

On the other 75.4 acres of bare land, 41.6 acres is lower areas containing wetter soil types (Granby/Sloan) and will be restored by establishing wet prairies or wet sedge meadows. Direct seeding and existing seed bank source will be the primary method of wetland establishment on 38.1 acres. Scraping is prescribed on approximately 3.5 acres of deep depression areas. This method is used to scrape off 6-10 inches of soil to promote growth of underlying native seed bank.

Also, there are plans to restore hydrology/water table by breaking or removing drainage tiles and damming up small drainages ditches. Hydrology and drainage work will only be performed in areas that will not affect road right of way drainage or private land drainage. The majority of the work on this project will be held off until FY 2018 due to potential Nexus pipeline installation in FY 2017. (restoration; Oak Openings) *(updated 8/4/17)*

Updated 9/5/17 with info from Don Schmenk, ODNR

- Project not started. Waiting on final Agreement and Award.
- Contacts made with TNC reference wetland restoration work.

Updated 10/5/17 with info from Don Schmenk, ODNR

- No new activity to report.

Updated 11/5/17 with info from Don Schmenk, ODNR

- Final Agreement and Award has been finalized/received between ODNR and US EPA.
- Received word that Nexus pipeline site work may begin at any time. Field work only in planning stages. Will wait until likely next year or when Nexus pipeline install is done to do major restoration work and tree planting.

Updated 02/05/18 with info from Don Schmenk, ODNR

- Planning ongoing with TNC and Toledo Metroparks for wetland restoration seeding and upland dry prairie seeding.
- Nexus pipeline project began in mid-January 2018. Right of Way tree clearing ongoing at this time. Tentative timeline for pipeline install is Spring 2018.

Updated 3/5/18 with info from Julia Gehring, TNC

- TNC has a contract in place with ODNR Forestry and an MOU with Toledo Metroparks to do work on this property. We have met twice since the last report to discuss seed collection and wetland restoration activities and MAP 9-16.

Updated 4/5/18 with info from Don Schmenk, ODNR

- Pipeline right of way cleared. Planned pipeline install spring/summer 2018. Will wait until after pipeline install to begin field work.

Updated 5/5/18 with info from Julia Gehring, TNC

- Seed collection preparation has begun (e.g. schedules discussed, species list circulated). Seed collection schedule to start in May. Restoration activities likely to start mid-summer.

Updated 6/5/18 with info from Steve Woods, TNC

- Seed collection has begun utilizing AOC funds awarded to ODNR MSF and contracted with The Nature Conservancy. Also, the Nexus pipeline construction is underway so that planting can be conducted starting in the fall. Weed control in the fields to prepare them for planting will begin as soon as pipeline construction is finished.

Updated 7/5/18 with info from Don Schmenk, ODNR and Steve Woods, TNC

- Seed collection continues and by the end of the summer we anticipate having all the seed necessary to plant this site utilizing AOC funds awarded to ODNR MSF who has contracted with TNC. The Nexus pipeline construction is underway. We anticipate that planting can be completed this fall and weed control in the fields to prepare them for planting will begin this month.
- Pipeline installation work currently ongoing. Field work to start this fall after pipeline project completed.

Updated 8/5/18 with info from Don Schmenk, ODNR

- Pipeline installation work continues and is nearing completion. Hight tract north and south mowed in preparation for herbicide treatment and fall seeding by sub-recipient TNC.
- Completed the development of bid prospectus language and maps in draft form the woodland enhancement for 37.5 acres on the Hight Tract north and south parcels.

Updated 10/5/18 with info from Don Schmenk, ODNR

- Pipeline rehab work has been completed. TNC as part of their sub-award has coordinated herbicide spraying of open fields in preparation for fall seeding. Purchased lath supplies in preparation for marking out tree planting. Purchased tile plugs for tile plugging in wetland scrape areas. Wetland scrape work began September 19, 2018. Division of Forestry staff and equipment (dozer, front end loaders, dump truck) performing all wetland scrape work. Good progress during last week of Sept.

Project Lead: Ohio DNR – Division of Forestry

Timeline: ~~2016-2018~~ changed to 2017-2020 based on funding award date (updated 1/18)

Funding: \$115,000 (US EPA – GLRI)

DMDS Link: <http://dmms.maameerap.org/view.cfm?type=project&id=457>

MAP for BUI: BUI 14b – Loss of Wildlife Habitat

MAP 9-16: Maumee State Forest site 3 (*Hight upland & flatwoods property [south]*)

Background: Enhance and/or restore existing woodland within the TNC Hight Tract and in Maumee State Forest Priority Conservation Areas (PCA). Enhancement actions by means of invasive control, red maple control, damming old agricultural drainage ditches within woodlands, buttonbush swamp enhancement, Blandings turtle habitat/nesting enhancement and forest stand improvement practices favoring oak dominated forest.

First priority area would be 37.5 acres of existing woodland in the recently acquired TNC/Hight Tract (3.6 acres of woodland north parcel and 33.9 acres of woodland south parcel). Remaining 47.5 acres is to be accomplished on Priority Conservation Areas of Maumee State Forest. Wooded areas are a mosaic of low flatwoods, small isolated buttonbush swamps, transitional mid-slope spice bush areas and high dry site oak forests. (113 acres) (enhancement; Oak Openings) (*updated 8/4/17*)

Updated 9/5/17 with info from Don Schmenk, ODNR

- Project not started. Waiting on final Agreement and Award

Updated 10/5/17 with info from Don Schmenk, ODNR

- No new activity to report.

Updated 11/5/17 with info from Don Schmenk, ODNR

- Final Agreement and Award has been finalized/received between ODNR and US EPA.
- Project not started. Planning stages.

Updated 02/05/18 with info from Don Schmenk, ODNR

- Planning ongoing. Putting together maps and bid package for woodland enhancement work.

Updated 3/5/18 with info from Julia Gehring, TNC

- TNC has a contract in place with ODNR Forestry and an MOU with Toledo Metroparks to do work on this property. We have met twice since the last report to discuss seed collection and wetland restoration activities and MAP 8-16.

Updated 4/5/18, 6/5/18 with info from Julia Gehring & Steve Woods, TNC

- No new activity to report.

Updated 7/5/18 with info from Don Schmenk, ODNR

- Woodland enhancement work maps to be developed; anticipate RFP for contractor in Fall 2018.

Updated 8/5/18 with info from Don Schmenk, ODNR

- Completed the development of bid prospectus language and maps in draft form the woodland enhancement for 37.5 acres on the Hight Tract north and south parcels.
- Hight tract north and south mowed in preparation for herbicide treatment and fall seeding by sub-recipient TNC.

Updated 10/5/18 with info from Don Schmenk, ODNR

- Finalizing bid draft language and maps for the woodland enhancement contract work for 37.5 acres on the Hight Tract north and south parcels.

Project Lead: Ohio DNR – Division of Forestry

Timeline: ~~2016-2018~~ changed to 2017-2020 based on funding award date (updated 1/18)

Funding: \$95,000 (US EPA – GLRI)

DMDS Link: <http://dmds.maumeerap.org/view.cfm?type=project&id=458>

MAP for BUI: BUI 14b – Loss of Wildlife Habitat

MAP 11-16: Irwin Wet Prairie Site 3b

Background: Metroparks is currently working to acquire several parcels within the Irwin Wet Prairie Priority Conservation Area as designated by the Oak Openings Green Ribbon Initiative. Collectively, these parcels will allow Metroparks to acquire and restore 30 acres of former wet prairie habitat to help target removal of BUI 14b (loss of wildlife habitat). Discussions between Metroparks and landowners are ongoing, therefore we would prefer not to identify these parcels within the DMDS. Final outcome will be the acquisition, permanent

protection, and restoration of natural habitat on 30 acres of vacant property. Additional information can be obtained by contacting Tim Schetter at 419-407-9847. *(updated 2/24/17)*

Updated 4/5/18 with info from Leah Medley, US EPA

- The Metroparks has prepared an application submitted it into Grants.gov

Updated 7/5/18 with info from Leah Medley, US EPA

- The Metroparks has been awarded this funding, US EPA put out a media release

Project Lead: Toledo Area Metroparks

Timeline: 2017-2020

Funding: \$300,000 (US EPA – GLRI) (moved to funded 8/18)

MAP for BUI: BUI 14b – Loss of Wildlife Habitat

MAP 13-16: Restoring coastal wetlands & fish passage at the Navarre Unit of Ottawa NWR

Background: Approximately 600 acres of degraded coastal wetlands at the Navarre Unit of Ottawa National Wildlife Refuge (on land owned by First Energy but managed by USFWS as part of the refuge system) will be enhanced through the design and installation of an upgraded wetland management infrastructure. These wetlands are in a degraded condition due to the lack of water level management capability. Ducks Unlimited, TNC, USFWS and others seek funding to survey and redesign the wetland management infrastructure (pumps, water control structures, levees), including a possible hydrological connection with Lake Erie or the Toussaint River. Once in place, these management tools will allow USFWS to provide sustained high-quality coastal wetlands for fish and wildlife. *(updated 2/22/17)*

Updated 9/5/17, 11/5/17, 2/5/18, 3/5/18 with info from Russ Terry, DU

- There has been no activity on this project, as there is no funding in place yet.

Updated 4/5/18 with info from Leah Medley, GLNPO and Russ Terry, DU

- US FWS is submitting both Cedar Point Pool 2 and Navarre Unit of Ottawa NWR in their FY18 IA and GLNPO plans to fund them.
- No activity as funding is not in place.

Updated 5/5/18, 6/5/18, 7/5/18 with info from Russ Terry, DU

- No activity as funding is not in place.

Updated 8/5/18 with info from Leah Medley, US EPA

- Interagency Agreement between US FWS and US EPA was fully executed on June 8.

Updated 9/5/18 with info from Leah Medley, US EPA and Jason Lewis, US FWS

- During winter 2018/2019 - FWS will obligate funds in Financial Assistance Agreement to NGO. In 2019 they plan to meet with stakeholders, define scope, bathymetric survey, preliminary engineering and design plans, apply for permits. During 2020, they expect to finalize engineering and design, bid project and construct project in 2020/2021.

Project Lead: US FWS (DU)

Timeline: 2018-2020

Funding: \$1,300,000 (GLRI – Interagency Agreement) (moved to funded 8/18)

DMDS Link: <http://dmds.maumeerap.org/view.cfm?type=project&id=295>

MAP for BUI: BUI 14b – Loss of Wildlife Habitat

MAP 14-16: Restoring coastal wetlands at Pool 2 of Cedar Point NWR

Background: Pool 2 previously supported some of the region's highest waterfowl use during migration. However, water control structures and levees have failed within the last 10 years, eliminating the ability of US FWS to manage water levels and vegetation in the wetland. Water cannot be maintained at levels to support desired wildlife, phragmites have invaded the wetland, and the wetland lacks access for fish.

To remedy this situation, the goals of this project include:

- 1) Restore water management capability on 135 acres of currently degraded coastal habitat in Pool 2 of Cedar Point NWR (e.g., rebuilding levee, installing water control structure).
- 2) Install fish passage between Pool 2 and adjacent Pool 1.
- 3) Remove phragmites and other invasive plants.

To measure the success of this project, biotic and abiotic indicators such as fish and macroinvertebrate populations, breeding and migratory birds, and water quality will be monitored to evaluate project success and contribution to delisting of BUIs.

In addition, Ducks Unlimited has received funding to design and implement new wetland management infrastructure in the adjacent 1,460-acre Pool 1 that will hydrologically reconnect the coastal wetland to Lake Erie. Consequently, restoration and enhancement of Pool 2 will allow aquatic organisms access to Pool 2 through Pool 1 and result in a total enhancement of 1,595 acres of coastal wetlands. *(updated 2/22/17)*

Updated 9/5/17, 11/5/17, 2/5/18, 3/5/18 with info from Russ Terry, DU

- There has been no activity on this project, as there is no funding in place yet.

Updated 4/5/18 with info from Leah Medley, GLNPO and Russ Terry, DU

- US FWS is submitting both Cedar Point Pool 2 and Navarre Unit of Ottawa NWR in their FY18 IA and GLNPO plans to fund them.
- No activity as funding is not in place.

Updated 5/5/18, 6/5/18, 7/5/18 with info from Russ Terry, DU

- No activity as funding is not in place.

Updated 8/5/18 with info from Leah Medley, US EPA

- Interagency Agreement between US FWS and US EPA was fully executed on June 8.

Updated 9/5/18 with info from Leah Medley, US EPA and Jason Lewis, US FWS

- During winter 2018/2019 - FWS will obligate funds in Financial Assistance Agreement to NGO. In 2019 they plan to meet with stakeholders, define scope, bathymetric survey, preliminary engineering and design plans, apply for permits. During 2020, they expect to finalize engineering and design, bid project and construct project in 2020/2021.

Project Lead: US FWS (DU)

Timeline: 2018-2020

Funding: \$850,000 (GLRI – Interagency Agreement) (moved to funded 8/18)

DMDS Link: <http://dmds.maumeerap.org/view.cfm?type=project&id=306>

MAP for BUI: BUI 14b – Loss of Wildlife Habitat

MAP 22-17 (formerly P-26-16): Turtle Creek – Morgan Marsh

Background: Purchase of a conservation easement for a 40-45 acre restored wetland that includes property adjacent to the Turtle Creek mainstem. *(updated 3/9/17)*

Updated 3/5/18 with info from Melanie Coulter, BSC

- The landowner has been in touch for the first time in about a year and starting to get details lined up again. We are working to finalize a budget, confirm the acreage and boundaries that will be subject to the easement, and complete an easement purchase agreement with the landowner. With standard easement project costs, we have concluded that with lapse time and more details the current estimated purchase of a conservation easement on this property will cost closer to \$45,000.

Updated 4/5/18 with info from Cherie Blair, Ohio EPA

- The BSC has provided information to Ohio EPA for their use in a passthrough grant application. Ohio EPA is working on this application.

Updated 5/5/18 with info from Melanie Coulter, BSC

- We are working to finalize the conservation easement purchase agreement with the landowner. The landowner and conservancy have settled on placing the conservation easement on a total of 36.2 acres of wetland and riparian and associated upland buffer.
- Ohio EPA completed the grant paperwork for funding this project, and it entered the federal Grants.gov process in early May.

Updated 6/5/18 with info from Melanie Coulter, BSC

- BSC sent a Conservation Easement Purchase Agreement to the Landowner and are waiting either his signature or his requested changes to the agreement.

Updated 7/5/18 with info from Melanie Coulter, BSC

- The landowner signed the Purchase Agreement for this conservation easement. Ohio EPA received the award letter for funding from US EPA. Next, BSC will complete an application with Ohio EPA to access the funds and complete the transaction.

Updated 8/5/18 with info from Cherie Blair, Ohio EPA

- Ohio EPA has received their award from US EPA and has requested a subgrant application from TNC. This application should be submitted to Ohio EPA by the end of August.

Updated 9/5/18 with info from Cherie Blair, Ohio EPA

- Ohio EPA has received BSC's subgrant application and it is being processed

Updated 10/5/18 with info from Chris Dickey, BSC

- Ohio EPA has notified the Black Swamp Conservancy that its GLRI subgrant award application has been approved and agreement signatures are in progress. BSC is currently working on due diligence for this project.

Project Lead: Black Swamp Conservancy

Timeline: ~~2017~~ 2018-2019 (updated 10/18)

Funding Need: ~~\$35,000~~ increased to \$45,000 (3/5/18) (moved to funded 10/18)
(additional funds are required for Ohio EPA to manage this as a pass-through grant project)

DMDS Link: <http://dmds.maumeerap.org/view.cfm?type=project&id=439>

MAP for BUI: BUI 14b – Loss of Wildlife Habitat

MAP 23-17a and 23-17b (formerly P-38-16):**Restoring Coastal Wetlands at Toussaint Marsh State Wildlife Area Phase II and III**

Background: Pre-project work included TNC receiving NOAA funds through a regional partnership for site survey and design during 2015. DU was contracted by TNC and completed the topographic survey during April 2015. CT Consultants was contracted by TNC and completed 90% Design Plans in August 2015. The pre-project cost was \$105,000. DU received a \$280,000 grant from the GLFWRA and a \$600,000 grant from NOAA for Phase I implementation. Phase I should be complete by the end of calendar year 2018. The following will be included in Phase I:

- All permits and environmental compliances secured for whole project
- Division contracted brush grubbing starting at the SE corner of Unit D and cleared units A, C & D perimeter (completed)
- DU bid and contracted tree clearing from SE corner of Unit D to NW corner of Unit A (complete)
- Removal of trees around Unit E has not been done
- DU bid and contracted the exterior levee renovation from the SE corner of Unit D to the 'bump' at the northern-most section of Unit A. The winning bid was lower than the engineer's estimate, so we will be able to accomplish significantly more under Phase I. The contractor has been hired but has not mobilized. (updated 9/5/17)

Updated 9/5/17 with info from Patrick Baranowski, ODNR

Phase II (MAP 23-17a): In August 2017, TNC received a \$608,811 grant from NFWF to partially fund Phase II Implementation. TNC will sub-award \$532,792 to DU of which \$435,045 will be used for construction and materials. With partial funding, Phase II will now include:

- Completing the pump structure renovation
- Clear the balance of trees on all the levees
- Renovate the western dike (pump structure to southwest corner of unit D).
- Renovate 25% of the unit D (continue from the southwest corner moving east)

Phase III (MAP 23-17b): Phase III has been reworked to include the cost savings in Phase I and the partial funding of Phase II. Phase III now includes the following tasks for needed \$1,350,000:

- Renovate unit E including water control/fish passage structure with exterior and splitter dike
- Complete unit D dike renovation
- Install control structure in southeast corner of unit D to the forested wetland adjacent to the road
- Install storm water diversion structure near pump station

Updated 10/5/17 with info from Patrick Baranowski, ODNR

- Construction on Phase 1 started late September. The contractor started with the removal of the overburdened and cut material from the internal dike between unit C & B and C & D. The cut material was used to rebuild approximately 1000-feet of levee starting in the southeastern corner working north on the perimeter/ exterior dike.
- NOAA funded and contracted Toledo Aerial Media to conduct drone flights during the restoration project (<https://www.dropbox.com/sh/goilbn7fkm6am3f/AADwLnyjkfPEJTGiiX64Gk37a?dl=0>)

Updated 11/5/17 with info from Patrick Baranowski, ODNR

- Construction continues with approximately 4000+ feet of perimeter dike rebuilt. Earthwork started at the southeast corner and finished at the intersection unit A & unit E (the pond). Cut material utilized for the perimeter was excavated from 2300+ feet of interior dike surrounded unit C. The contractor will begin to placement rip rap on the refurbished dikes. TNC is currently reviewing the NFWF-SOGL grant agreement for Phase II.

Updated 12/5/17 with info from Patrick Baranowski, ODNR

- Construction continues with water control structure planned to be installed late this week or early next week, weather dependent. Earthwork is completed starting in the southeast corner and finished at the intersection unit A & unit E (the pond). Cut material utilized for the perimeter was excavated from 2300+ feet of interior dike surrounded unit C. The contractor has stock piled rip rap and will begin to place revetment on the refurbished dikes. Second drone flight is scheduled the week of Dec 11th. TNC is anticipating the approved NFWF-SOGL agreement and will start working on the sub-award once the grant is received.

Updated 12/13/17 with info from Russ Terry, DU

- Much of the phase I levee renovation is complete. The new primary water control and fish passage structure is being installed this week. DU bid out additional phase I tree clearing last week. We hope that all phase I work will be done by summer or fall 2018. TNC will be sending the phase II sub-award agreement to DU next week with planning and finalizing design of the pump structure to follow.

Updated 2/5/18 with info from Patrick Baranowski, ODNR

- The new water control/ fish passage structure will be completed as weather permits. The structure's riser and culvert within the marsh unit has been installed. The culvert extending into the river will be finished after the spring thaw. Tree and brush removal started Jan. 29th in preparation for the phase II.
- The TNC sub-award to DU for the phase II construction is under review; planning meeting scheduled for February 7th.

Updated 3/5/18 with info from Patrick Baranowski, ODNR and Russ Terry, DU

- Activities completed in February include finished installation of the fish/water control structure. Remaining trees and brush were removed in preparation for Phase II.

- Tentatively the goals for phase II construction includes (1) rebuilding remainder perimeter dike and (2) install the pump structure.
- DU is working with NOAA to finalize a budget and scope of work for Phase that will allow NOAA to allocate to DU via our regional partnership agreement the funds needed to fully complete this project.

Updated 4/5/18 with info from Patrick Baranowski, ODNR and Russ Terry, DU

- There has been no new construction activity at Toussaint to report. Hopefully, weather conditions will improve (spring will arrive someday, seems like were on the 95th day of January)
- DU is currently working on the bid documents for Phase II.
 - Phase II will include the demo and installation of the main pump and the refurbishment of the remaining river perimeter dike around the pond unit.
- NOAA intends to allocate the funding needed to fully complete the project (Phase III funding) to DU via our regional partnership agreement. We expect to finalize the scope of work and budget this week with NOAA and funds to be available as early as June 1.

Updated 5/5/18 with info from Patrick Baranowski, ODNR and Russ Terry, DU

- ODNR has no new information to report on Phase I and II. NOAA intends to allocate the funding needed to fully complete the project (Phase III funding) to DU via our regional partnership agreement. We expect the NOAA funds to be available in August or September.

Updated 6/5/18 with info from Patrick Baranowski, ODNR and Russ Terry, DU

- The contractor is continuing to place riprap along the river, finishing up phase 1.
- Phase 2 is set to go out to bid Wednesday June 7.
- DU extended the aerial photography to include the next phase of restoration.
- Monitor protocol conference call is scheduled later this month to discuss how to monitor the improvement to the habitat and fish & Wildlife use.
- NOAA still anticipates allocating the funding needed to fully complete the project (Phase III funding) to DU via our regional partnership agreement with an August/September start date.

Updated 8/5/18 with info from Russ Terry, DU

- NOAA is in the process of allocating the funding needed to fully complete the project (Phase III funding) to DU via our regional partnership agreement. DU has a call scheduled later this month with NOAA to discuss timelines, etc. associated with these funds

Updated 10/5/18 with info from Russ Terry, DU

- NOAA has allocated the funding needed to fully complete the project (Phase III funding) to DU via our regional partnership agreement. DU will bid/contract phase III when phase II is complete, likely summer 2019.

Project Lead: Ohio DNR – Division of Wildlife

Timeline: 2017-2019

Funding Need: ~~\$2,400,000~~ decreased to \$1,350,000 (9/5/17) (moved to funded 10/18)

DMDS Link: <http://dmds.maumeerap.org/view.cfm?type=project&id=446>

MAP for BUI: BUI 14b – Loss of Wildlife Habitat

MAP 29-17 (formerly P-63-16): Maumee Bay State Park Coastal Wetland Enhancement

Background: The 43-acre main wetland unit at Maumee Bay State Park is currently dominated by phragmites and other non-native, invasive vegetation. The mouth of the wetland which connects the marsh to Lake Erie is obstructed with sediment which prevents any fish access and does not allow any lake water to enter the wetland except during high water events. A small dike with a water control/fish passage structure will be installed at the mouth of the wetland which will re-establish an aquatic connection with the Lake and provide water level management that will be used to control the non-native vegetation. (updated 12/22/17)

Updated 2/5/18 with info from Dave Sherman, ODNR – Division of Wildlife (DOW is assisting Div. of Parks)

- A consultant has been selected to conduct a topographical survey of the Maumee Bay wetlands. TNC will oversee the survey contract and administration. DNR and TNC staff will have an in-field meeting with the survey team soon.

Updated 3/5/18 with info from Dave Sherman, ODNR – Division of Wildlife (DOW is assisting Div. of Parks)

- Topographical survey for the wetlands started in late February and should be completed by March 23

Updated 4/5/18 with info from Dave Sherman, ODNR – Division of Wildlife (DOW is assisting Div. of Parks)

- An application submission into grants.gov is in process and will be submitted the week of April 9. Waiting on administration signatures on the SF424.
- The topography survey should be completed in the next two weeks.
- Had a conference call with ODNR, Division of Engineering to discuss how to proceed with this project once the grant is awarded.

Updated 5/5/18 with info from Dave Sherman, ODNR – Division of Wildlife (DOW is assisting Div. of Parks)

- The topographical survey for the wetland has been completed, but we have not received the data yet. We will have the data by June 1.
- The SF424 application for the grant has been submitted for this project and the Magee Pump project (MAP 1-16).

Updated 7/5/18 with info from Dave Sherman, ODNR – Division of Wildlife (DOW is assisting Div. of Parks)

- The grant application has been submitted and we have been working with US EPA to clarify questions they have had on the application. We are awaiting notification of the award.
- The bathymetry survey of the large wetland was completed, and we are reviewing the draft maps.

Updated 8/5/18 with info from Dave Sherman, ODNR and Leah Medley, US EPA

- Awaiting notification of the award; agreement being finalized.

Updated 10/5/18 with info from Dave Sherman, ODNR

- We received the award notification.

Project Lead: Ohio DNR – Division of Parks and Watercraft

Timeline: 2018-2020

Funding: \$500,000 (moved to funded 10/18)

DMDS Link: <http://dmds.maumeerap.org/view.cfm?type=project&id=449>

MAP for BUI: BUI 14b – Loss of Wildlife Habitat

MAPs Endorsed by the MAAC, Ohio EPA & US EPA

PROJECTS COMPLETE

MAP 4-16: Irwin Prairie Upland Site 5

(Griswold/Hardy/Stoll properties)

PROJECT COMPLETE (March 2018)

Background: This site includes two adjacent 10-acre tracts of vacant land. The 20-acre site consists of high quality Oak Openings savanna and oak woodland communities including potentially viable habitat for the federally endangered Karner Blue butterfly. The property is contiguous with TNC's Kitty Todd Preserve and Metroparks of the Toledo Area's Oak Openings Corridor. In recent years, the site has become a priority cleanup site for U.S. EPA Region V (site # 05MUOU01). According to U.S. EPA, the site historically operated as a landfill, accepting hazardous and nonhazardous waste. Piles of impacted soil, debris, and metal dross were scattered throughout the central portion of the site. As of 11/1/2016, U.S. EPA had carried out cleanup and removal of all identified hazardous waste on the site and determined that all response activities have been completed for the identified imminent and substantial threats. Now that U.S. EPA cleanup has been completed, it is likely that both tracts will be sold for future residential development unless Metroparks of the Toledo Area works quickly to secure them. Both tracts have recently been listed for sale through a residential real estate broker. Following acquisition, Metroparks of the Toledo Area will implement cleanup activities to remove all previously dumped nonhazardous waste material that was not cleaned up by U.S. EPA. (20 acres) (enhancement; Oak Openings) (updated 2/24/17)

Updated 3/5/18 with info from Tim Schetter, Toledo Metroparks and Julia Gehring, TNC

- The Metroparks acquired the 10-acre Prentice Griswold Tract in December 2016 but was unable to reach an agreement with the owner of the second 10-acre Griswold Tract. In February 2018, Metroparks secured purchase agreements from owners of two unrelated parcels totaling approx. 10 acres in size and is working with US EPA to acquire and restore these parcels as a replacement the 10-acre Griswold tract that they were unable to purchase. These parcels include a 2.5-acre tract of vacant land (including wet prairie and oak savanna habitat) adjacent to MAP 10-16, and a 7-acre vacant parcel located on Airport Highway consisting of swamp forest and oak woodland habitats. Upon receiving approval from U.S. EPA, Metroparks intends to immediately close on both parcels.
- In addition to the acquisition and restoration of this site with AOC funding, TNC is using a Pittman Robertson FY18 agreement with ODNR, to complete whole tree removal on the entirety of the Griswold property to restore the savanna on the property. While this is not funded by the AOC program, this is an example for TNC leveraging funds and prioritizing work on partner properties and AOC project sites to increase the quality of the habitat on the property. This is primarily removal of invasive species and canopy trees (i.e., maple, sassafras, poplar) to open-up the canopy to restore to high quality savanna habitat.

Updated 4/5/18 with info from Julia Gehring, TNC

- The whole tree removal discussed in last month’s update has been completed by TNC.

Updated 5/5/18 with info from Julia Gehring, TNC

- TNC has completed whole tree removal contract utilizing Pittman Robertson funds. TNC may be providing some top soil to project site from spoil mounds on neighboring property to help restore soil despite presence of trash. Tim Schetter and Alexis Sakas will be evaluating if this is a possibility.

Updated 7/5/18 with info from Tim Schetter, Metroparks Toledo

- Despite repeated attempts to acquire the 10-acre David Griswold Tract, Metroparks was unsuccessful at reaching an agreement with the property owner. Metroparks subsequently received approval from U.S. EPA to acquire two alternate tracts of land totaling approx. 10 acres to replace the David Griswold Tract:
- New Parcel 1: Hardy Tract, 2.5 acres located at 1279 Irwin Road, purchase price of \$22,500. This tract of vacant land lies immediately adjacent to the Neyland Tract (MAP 10-16) already acquired by Metroparks. The Hardy Tract consists of approximately 1.9 acres of remnant wet prairie and 0.6 acres of remnant oak savanna. While the entire property is in natural condition, the property’s wet prairie community has become overrun with the invasive shrub, glossy buckthorn (*Rhamnus frangula*). Following acquisition, Metroparks will conduct habitat enhancement activities over 1.9 acres of the tract by physically removing glossy buckthorn.
- New Parcel 2: Stoll Tract, 7.7 acres located at 9501 Airport Highway, purchase price of \$105,000. This tract of vacant land lies immediately adjacent to 219 acres of existing natural areas previously acquired and protected by Metroparks. The Stoll Tract consists entirely of oak forest and does not require any habitat restoration after acquisition is completed.

Updated 9/5/18 with info from Tim Schetter, Metroparks Toledo

- Metroparks completed all habitat restoration and enhancement work has closed out the grant.



Project Lead: Toledo Area Metroparks
Timeline: 2016-2018
Funding: \$150,000 (US EPA – GLRI)
DMDS Link: <http://dmds.maumeerap.org/view.cfm?type=project&id=437>
MAP for BUI: BUI 14b – Loss of Wildlife Habitat

PROJECT COMPLETE (March 2018)

MAP 10-16: Irwin Prairie Upland Site 3a (Neyland property)

Background: This 10-acre tract of vacant land consists of high quality Oak Openings wet prairie (6.2 acres) and pin oak flatwoods (3.8 acres) communities (designated as Category 3 wetland under Ohio EPA guidelines). This tract lies adjacent to the 94-acre Dorr Street Prairie, a high-quality wet prairie community that is permanently protected as part of Metroparks of the Toledo Area’s Oak Openings Corridor. The property owners intend on listing the property for sale in the immediate future. Unless Metroparks acts quickly, the opportunity to protect this property will likely be lost. While the entire property is in natural condition, the property’s wet prairie community has become overrun with the invasive shrub, glossy buckthorn (*Rhamnus frangula*). Following acquisition, Metroparks will conduct habitat enhancement activities over 6 acres of the tract by physically removing glossy buckthorn through contracted hydro-ax mowing using an outside company. (10 acres) (enhancement; Oak Openings) (updated 2/24/17)

Updated 9/5/17 with info from Tim Schetter, Toledo Metroparks

- Site acquired in December 2016
- The site is currently receiving restoration treatments to remove encroaching woody vegetation and invasive glossy buckthorn.

Updated 3/5/18 with info from Tim Schetter, Toledo Metroparks

- The site has been fully restored following removal of glossy buckthorn and other woody vegetation encroaching on the wet prairie community in August 2017.

Updated 7/5/18 with info from Tim Schetter, Toledo Metroparks – PROJECT FOLLOW-UP

- The positive response to this restoration has been immediate as evidenced by a healthy population of yellow lady slipper orchids that have emerged from the seed bank in the spring of 2018.



Project Lead: Toledo Area Metroparks
Timeline: 2016-2018
Funding: \$97,300 (US EPA – GLRI)
DMDS Link: <http://dmds.maumeerap.org/view.cfm?type=project&id=437>
MAP for BUI: BUI 14b – Loss of Wildlife Habitat

Proposed Projects – For Consideration as future Maumee AOC MAPs

(Projects are in number order as they were submitted; they are not ranked or prioritized at this stage)

P-1-16: Tenmile Creek Flood Mitigation and Stream and Riparian Corridor Restoration Project

Background: 8.5-acre terraced wetland creation (to provide 2,500-acre-feet of storage capacity adjacent to main channel), log jam removal, in-stream features installation (to promote efficient transport of bed load, stabilize the channel and banks, and increase quality of fish and macroinvertebrate habitat) *(updated 2/22/17)*

Project Lead: Lucas Co Engineers Office

Timeline: 2017-2018

Funding Need: \$200,000

DMDS Link:

BUI Benefit: BUI 3a – Degradation of Fish Populations, BUI 14a: Loss of Fish Habitat

**FUNDED thru Ohio EPA NPS GLRI grant
(Sept. 2017)**

P-27-16

Urban Runoff Capture and Otter Creek Restoration Project *(based upon OC-2 of the Eastern Inventory)*

Background: Create 800-foot of stream channel, 1,350-feet of bank stabilization, restore 2.1-acres of wetland, create 0.49-acre of upland habitat on Otter Creek. *(updated 2/22/17)*

Updated 7/5/18 with info from Don Nelson (City of Oregon)

- City has hired an engineering consultant to begin engineering and design of the project. Design is expected to be completed by the Fall of 2018.
- City has come to an agreement with Ashland Church on the small property purchase required for the north side of the project area. The property transfer has not yet occurred. We expect to transfer the property within the next 60 days.
- City also expects to finalize the required storm sewer easement for the Larson property to the south of the project area. The proposed rerouted storm sewer will flow through this easement to get to the main project area owned by the City.

Project Lead: City of Oregon

Timeline: 2017-2019

Funding Need: \$499,977

DMDS Link:

BUI Benefit: BUI 3a – Degradation of Fish Populations, BUI 14a: Loss of Fish Habitat

**FUNDED by US EPA Urban NPS GLRI grant
(Aug. 2017)**

P-47-16: Cullen Park/Bayview Park Coastal Wetland

Background: Creation of a 50- acre coastal wetland along Toledo's shoreline between Bayview Park and Cullen Park and possible rehabilitation of Causeway (Note: Engineering & design was in development in 2017) *(updated 2/22/17)*

Updated 10/5/17 with info from Mike Momenee, Mannik & Smith Group (Consultant for City of Toledo)

- Engineering & Design plans are currently 65-70% complete for overall design. Project area has included the causeway and the embayment. Expect to complete project by Dec. 2017

Updated 1/22/18 with info from Mike Momenee, Mannik & Smith Group (Consultant for City of Toledo)

- Lisa Ward granted a project extension on December 15, 2017. Please note that Lisa is no longer in the employ of the City of Toledo.
- On October 27, 2017, conceptual designs for enhancing the Jetty | Causeway extending from Cullen Park to Grassy Island and presented to the City of Toledo. These conceptual designs were also presented to the Visions of Cullen Park group in a meeting on November 16, 2017. Preliminary engineering design for the Cullen Park Jetty | Causeway portion of the project has been completed.

- The wetland delineation report and permit application for the Cullen Park Wetlands Restoration Project have been prepared and submitted to the US Army Corps of Engineers (USACE) for review. MSG has received comments from the USACE and is in the process of preparing a response.
- A Surface Water Delineation (SWD) report for the Cullen Park Jetty | Causeway project has been prepared and was submitted to the USACE for review on December 20, 2017. A Pre-application meeting Request Package (including the SWD report) for the jetty | causeway project was submitted to the Ohio EPA on January 3, 2018.
- The SWD Report for the Cullen Park Wetlands Restoration project was submitted to the Ohio EPA on 12/20/2017 in order to confirm Ohio Rapid Assessment Method (ORAM) categories.
- MSG is continuing to work with the state Historic Preservation Office (SHPO) to identify solutions to determining the locations of existing pier remnants associated with the historical casino that was located in Cullen Park in the early 1900s.

Updated 3/5/18 with info from Mike Momenee, Mannik & Smith Group (Consultant for City of Toledo)

- Rick Akeman is the new City of Toledo Project Manager. Final engineering design plans and the probable estimate of project costs are to be completed by June 15, 2018;
- MSG has responded to the USACE's request for additional information and is also in the process of refining the engineering and landscape architectural designs;
- MSG continues to address SHPO's request for additional information related to the remnant piers associated with the Historical casino; and
- The City of Toledo and MSG met again with representatives from the Visions of Cullen Park ground to obtain additional feedback.

Updated 4/5/18 with info from Mike Momenee, Mannik & Smith Group (Consultant for City of Toledo)

- There has been no reportable activity on this project. Expect an update in May.

Updated 5/5/18 with info from Mike Momenee, Mannik & Smith Group (Consultant for City of Toledo)

- MSG met with USACE and Ohio EPA on 4/25/2018 for a Jurisdictional Determination and ORAM Verification meeting for both the Cullen Park Bay and Jetty/Causeway redevelopment projects. Based upon the results from this meeting, we are in the process of preparing the Section 401 WQC application for the Cullen Park Bay portion of the project for submittal to Ohio EPA prior to June 2018.

Updated 6/5/18 with info from Mike Momenee, Mannik & Smith Group (Consultant for City of Toledo)

- Final engineering design plans for the project and construction estimate should be complete by June 15, 2018

Updated 8/5/18 with info from Mike Momenee, Mannik & Smith Group (Consultant for City of Toledo)

- We have completed the design for the Cullen Park wetlands restoration project.
- The Surface Water Delineation/Jurisdictional Determination report and 404 permit applications for the Cullen Park Bay Wetlands Restoration project were submitted to the USACE on June 14, 2018. The 401 Water Quality Certification Application has been drafted for the Jetty/Causeway restoration portion of the project but has not yet been submitted pending receipt of the Jurisdictional Determination and 404 Permit Public Notice from the USACE. The Engineer's Estimates of probable costs for the project are:
 - \$3.914M for the Cullen Park Bay Wetlands Restoration project; and
 - \$3.276M for the Cullen Park Jetty Restoration project.

Project Lead: City of Toledo

Timeline: 2018-2020

Funding Need: \$ TBD (see 8/5/18 update above)

DMDS Link: <http://dmms.maumeerap.org/view.cfm?type=project&id=444>

BUI Benefit: BUI 3a: Degradation of Fish Populations, BUI 14a: Loss of Fish Habitat

P-48-16: Back Bay Coastal Wetland

Background: The 130-acre Back Bay area adjacent to the Toledo/Lucas Co Port Authorities Facility 3 was identified by early stakeholders as a location in the city of Oregon where recreational and habitat improvements would create valuable assets for the City and surrounding region. A consulting team was hired to complete a coastal wetland design study that included site characterization, hydrologic and hydraulic modeling, preliminary design, coastal engineering evaluations, and public involvement activities. This study contemplates the beneficial use of clean dredged material to create emergent coastal/floodplain wetlands. The study also evaluates the hydraulic influence of several sources. If restored, the coastal wetland habitats could serve as a nursery area for juvenile migratory fish as well as ideal habitat for non-migratory fish, reptiles, amphibians, and birds. Upland areas could serve as important stopover habitat for neotropical migrating birds, and the improved aquatic habitat will likely support resident and migratory birds due to expected high fish density and proliferation of aquatic vegetation. If the city of Oregon choose to pursue final design and permitting of the project, this restoration area could also offer significant public access for walking, fishing, birding, and paddling; provide varied aquatic and terrestrial habitats complementary to the region; soften the industrial edge of Oregon's lakefront; preserve or enhance the westward view of Maumee Bay by lakefront property owners; and improve the quality of life for City of Oregon residents. *(updated 2/2/18)*

Project Lead: City of Oregon

Timeline: 2018-2020

Funding Need: \$ TBD

DMDS Link: <http://dmds.maumeerap.org/view.cfm?type=project&id=470>

BUI Benefit: BUI 3a: Degradation of Fish Populations, BUI 14a: Loss of Fish Habitat

Project Lead & Partner Contact Information

City of Toledo – Division of Parks, Recreation and Forestry

Karen Ranney Wolkins, Commissioner (new as of Mar/April 2018)
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Ducks Unlimited

Russ Terry, Regional Biologist – Ohio
(NOAA Partnership rep. for Howard Marsh and Toussaint SWA)
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Great Lakes Commission

Eric Ellis, Sr. Program Specialist (NOAA Partnership rep. for Penn 7 E&D)
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Hull & Associates

Phil Hicks, Project Manager (Toledo's consultant for Penn 7 Feasibility Study)
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Lucas Co Engineers Office

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Metroparks of the Toledo Area

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ODNR – Division of Forestry

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ODNR – Div of Parks & Watercraft

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ODNR – Division of Wildlife

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(Oak Openings)

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(Coastal Wetlands)

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The Olander Parks System (TOPS)

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