

17. DIRECTIONS TO THE SITE

Travel approximately 16 miles east of Oregon, OH on State Route 2 to the Magee Marsh Wildlife Area entrance. Go left on the Denis Franklin Parkway one mile to the Sportsmen's Migratory Bird Center where Division of Wildlife staff can transport people to the site. The project is also within one mile of the State Route 2 bridge over Turtle Creek.

18. Nature of Activity (Description of project, include all features)

To insure temporary protection of the 5300-foot damaged lake front dike berm and use the refurbished section as a base for permanent armoring. This project will include subsequent embankment repairs requiring approximately 3675 CU YD of clay fill and entails the placement 6750 CU YD ODOT class "A" rip rap in order to built up on the outside face (lake side) to an elevation of 2'-3' above the existing berm height. The placement of rip rap and clay soils will be placed utilizing excavators and various earth moving equipment. Clay soil will be excavated from upland sites located on ODNR Division of Wildlife properties. See attached proposed plan repair and rip rap placement.

19. Project Purpose (Describe the reason or purpose of the project, see instructions)

On June 27, 2015 storm events throughout northwest Ohio caused substantial damages to lake front dike a Magee Marsh Wildlife Areas. Historic rainfall this spring and summer has resulted in higher than normal lake levels, thus increasing the severity of seasonal storm events. For this particular event, northeasterly winds, heavy rains, and a prolonged seiche event caused Lake Erie water levels to rise 7.5 feet above the ordinary water mark and produced severe wave action. As a result a portion the lake front dike was significantly damaged. The lake front dike serve as the main protection of the marshes from the potentially destructive forces of Lake Erie. These coastal wetlands are a nationally decreasing wetland type that provide habitat for a diversity of wetland-dependent wildlife, including resident and migratory species, and many that are threatened and endangered. As part of the state public land system, the area also provides a various recreational uses, including controlled hunts, trapping, wildlife viewing, and as well as biological research and survey activities.

USE BLOCKS 20-23 IF DREDGED AND/OR FILL MATERIAL IS TO BE DISCHARGED

20. Reason(s) for Discharge

The storm on June 27, 2015 resulted the loss of structural integrity of the lake front dike that serves he main protection of the marshes from the potentially destructive forces of Lake Erie. Fill including Type "A" rip rap and clay soil will be utilized to restore the dike elevation to a height that will prevent inundation by high water and/or northeast storm surges, and provide access for equipment for future maintenance of the structure.

21. Type(s) of Material Being Discharged and the Amount of Each Type in Cubic Yards:

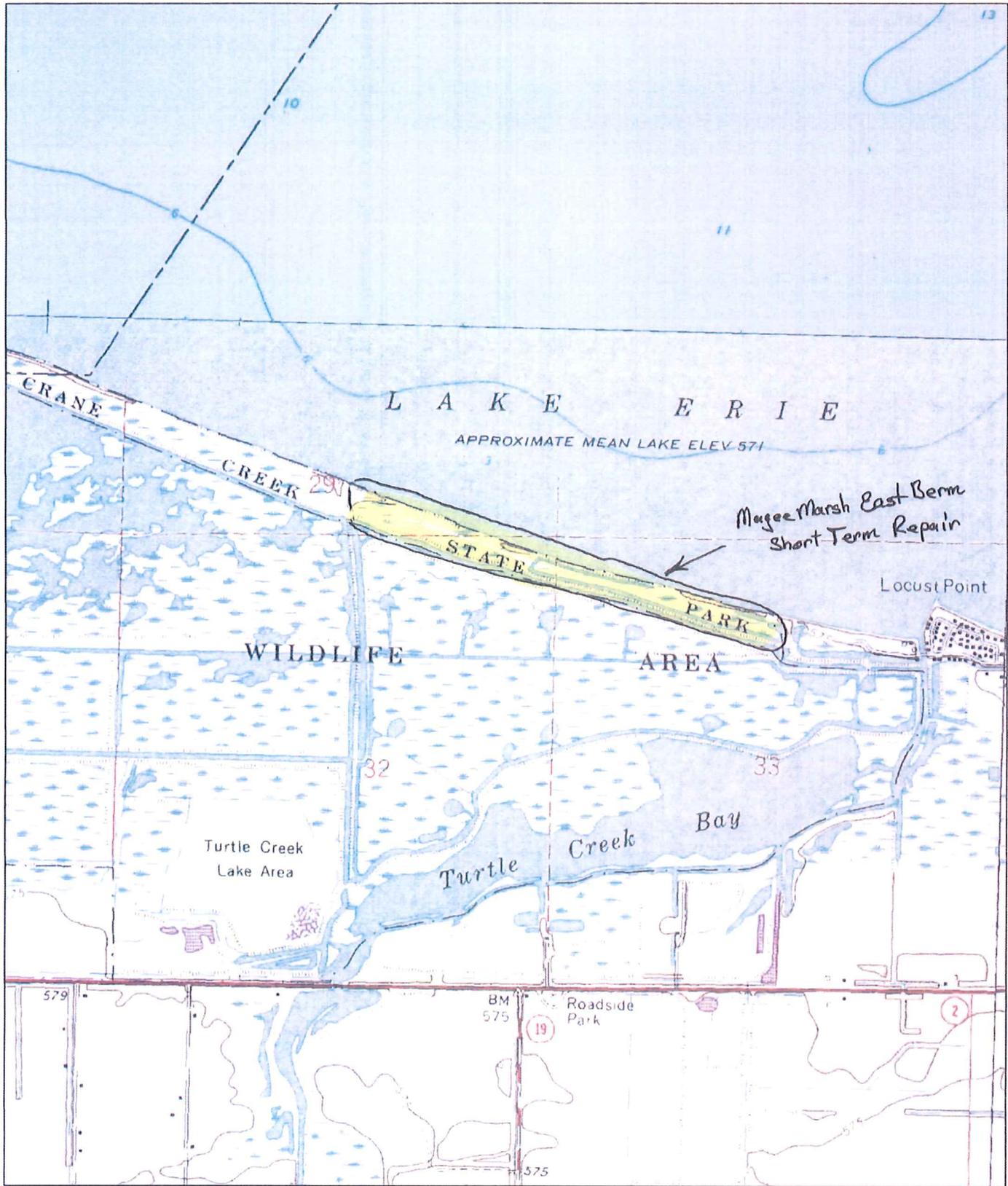
| Type Amount in Cubic Yards | Type Amount in Cubic Yards | Type Amount in Cubic Yards |
|--------------------------------|--|---|
| Rip-rap ODOT Class "A" 6750 CY | Stone & clay fill for embankment 6675 CY | Stone & clay fill for site prep 2450 CY |

22. Surface Area in Acres of Wetlands or Other Waters Filled (see instructions)

Acres
or
Linear Feet 5300 Linear feet

23. Description of Avoidance, Minimization, and Compensation (see instructions)

All necessary precautions will be taken to preclude the contamination of any wetland or waterway by suspended solids, sediments, fuels, or any other environmentally deleterious substance associated with the project.



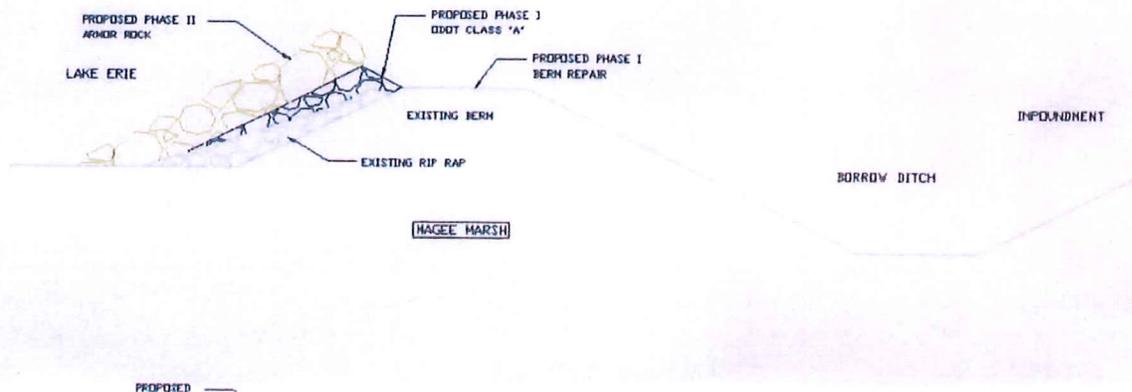
Map provided by MyTopo.com

Magee Marsh East Berm – Short Term Repair:

This section of berm took the most damage from the recent storm. The initial site investigation revealed that the ODOT class "A" rock was insufficient to protect the berm from wave damage. It was noticed that in places the protecting rock was lower or just at berm height compared to the undamaged areas that were well above the existing berm height. The visit revealed that the rock had been pushed around by the surge. The resulting effect was the underlying bedding stone being washed across the berm and soil erosion throughout the length of the berm on both sides.

Survey: this will entail a 2 person crew completing a topographic survey of approximately 5,400 feet of embankment from farthest toe of the inside borrow ditch impoundment side, to past the existing toe, lake side. Assistance from the Ohio DNR's boat will be required. Datum will be NAD 88 Ohio north zone (horizontal), IGLD 85 (vertical). Collected data will be processed and a topographic drawing of existing conditions created.

Delivery and Construction: To insure temporary protection that will not impede long term permanent armoring it is planned to use the design for the emergency dike rehabilitation provided by the Ohio DNR. This entails ODOT class "A" rip rap being built up on the outside face (lake side) to an elevation of 2'-3' above the existing berm height. Along with this, subsequent bedding stone and berm repairs will need to be addressed. Final quantities, delivery and construction options will be discussed at this time.



| Name | Location Address | Mailing Address |
|--|-------------------------|---|
| Keiser Properties, LLC | 10275 Loucas Pt Rd | 10275 Loucas Rd, Oak Harbor, OH 43449 |
| Lambco, INC. | 0 Locust Pt Rd | PO BOX 146, Oak Harbor, OH 43449 |
| Gyde Farms, LLC. | 10041 W SR 2 | 10041 W SR 2, Oak Harbor, OH 43449 |
| Fewick Marina, INC. | 10261 W SR 2 | PO BOX 8337 Station A, Toledo, OH 43605 |
| Inland Mobilehome & Marina, LLC. | 10655 W SR 2 | 2120 Mathews Rd, Northwood, OH 43619 |
| Southlake Hunt Club | 0 SR 2 | 1561 Maple St, Fremont, OH 43420 |
| Hellen Pfeiffer | 0 SR 2 | 1957 Luetz Rd, Oak Harbor, OH 43449 |
| Michael Vickery | 11544 W SR 2 | 11544 W SR 2, Oak Harbor, OH 43449 |
| USFWS - Ottawa National Wildlife Refuge | 14000 W SR 2 | 14000 W SR 2, Oak Harbor, OH 43449 |
| Mallard Investors, LLC. | 12477 SR 2 | 5330 Heatherdowns, Ste 20, Toledo, OH 43614 |



**Ohio Coastal Management Program
Consistency Certification Statement**



I, Scott Zody, chief, do certify that the proposed activity complies with the enforceable policies of Ohio's approved coastal management program and will be conducted in a manner consistent with such program (15 C.F.R. 930.57 and O.R.C. 1506.03).

Address: 2045 Morse Rd

City: Columbus State: OH Zip Code: 43229

Telephone Number: (614) 265-6300

Applicant's Signature: Scott Zody Date: 7/22/15

Project Name/Description: Magee Marsh East Berm - Short term Repair

Please list all local, State, and Federal permits, licenses, leases, and/or other authorizations required for this project:

- 1) _____
- 2) _____
- 3) _____
- 4) _____
- 5) _____

Please send an original copy of this document signed by the applicant (not an agent or representative) to:

Federal Consistency Coordinator
Ohio Department of Natural Resources
Office of Coastal Management
105 West Shoreline Drive
Sandusky, Ohio 44870

Magee Marsh Lake-front Dike Attachments

Figures

Figure 1. Aerial Photo of Magee Marsh lakefront dike



Figure 2. Riprap moved and swept down by intense wave action. Note the scouring caused by waves crashing over the top of the dike.



July 21, 2015

Figure 3. Riprap and crushed stone material swept over the top of the dike from the Lake-side slope. It should be noted that areas like this will need to be cleared with a bulldozer and dirt would need to be added to make it drivable so that engineering and design can be completed.



Figure 4. Sloughing on the interior of the Magee Marsh lakefront dike. Please note that areas like this will need to be excavated, compacted and repaired so that further damage does not result.

