

17. DIRECTIONS TO THE SITE

From U.S. Army Corps of Engineers (240 West Lake Street, Oak Harbor, Ohio 43449) take Salem-Carroll Road and W. Fritchie Road to OH-2 (SR 2) E. Continue on OH-2 (SR 2) to Sandusky. Follow W. Monroe Street to 1st Street. Turn left into the Big Island Water Work water treatment plant at 2425 1st Street.

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

This project includes the rehabilitation of the Big Island Water Works emergency intake crib. The project includes removing the existing structure and replacing the structure in kind. The material to be used is 12" x 12" x 16' white oak timbers held together with stainless steel pins. The crib will be filled with large rock fill. The total dimensions of the crib are 16' x 16' x 12'. A new 36" gate valve will be installed in the emergency intake pipe and a bar rack will be placed at the end of the pipe opening.

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

When the main intake to the Water Treatment Plant is not in use due to frazil ice, the emergency intake is used in its place. The existing emergency intake is in bad condition and needs to be updated in order to meet the needs of the City of Sandusky when the main intake is out of commission.

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

20. Reason(s) for Discharge

There will be no discharge. All material from the Sandusky Bay will stay in the bay.

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
N/A	N/A	N/A

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

Acres No wetlands will be disturbed
or
Linear Feet

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

This project avoids any and all impacts.

24. Is Any Portion of the Work Already Complete? Yes No IF YES, DESCRIBE THE COMPLETED WORK

25. Addresses of Adjoining Property Owners, Lessees, Etc., Whose Property Adjoins the Waterbody (if more than can be entered here, please attach a supplemental list).

a. Address- Pipe Creek Wilderness Area, ODNR

City - Sandusky State - OH Zip - 44870

b. Address-

City - State - Zip -

c. Address-

City - State - Zip -

d. Address-

City - State - Zip -

e. Address-

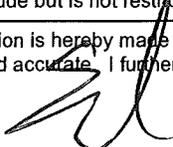
City - State - Zip -

26. List of Other Certificates or Approvals/Denials received from other Federal, State, or Local Agencies for Work Described in This Application.

AGENCY	TYPE APPROVAL*	IDENTIFICATION NUMBER	DATE APPLIED	DATE APPROVED	DATE DENIED
ODNR	Shore Structure Permi		2015-06-12		

* Would include but is not restricted to zoning, building, and flood plain permits

27. Application is hereby made for permit or permits to authorize the work described in this application. I certify that this information in this application is complete and accurate. I further certify that I possess the authority to undertake the work described herein or am acting as the duly authorized agent of the applicant.


SIGNATURE OF APPLICANT

06-17-15
DATE


SIGNATURE OF AGENT

06-30-15
DATE

The Application must be signed by the person who desires to undertake the proposed activity (applicant) or it may be signed by a duly authorized agent if the statement in block 11 has been filled out and signed.

18 U.S.C. Section 1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of the United States knowingly and willfully falsifies, conceals, or covers up any trick, scheme, or disguises a material fact or makes any false, fictitious or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statements or entry, shall be fined not more than \$10,000 or imprisoned not more than five years or both.

I. Introduction

This project proposes to remove the existing emergency intake at the Big Island Water Works Water Treatment Plant in Sandusky, Ohio and replace the crib in the same location with the same type of materials. The emergency intake is located on the shore line of the Sandusky Bay area just outside of Pipe Creek Wilderness Area dike.

II. Responsible Party

Name	Role/ Agency	Phone/ E-mail	Address
Eric Wobser, The City of Sandusky	Owner of Property	419-627-5844	222 Meigs Street Sandusky, OH 44870
Douglas A. Keller	Superintendent of Water Services at Treatment Plant	419-627-5805	2425 1st Street Sandusky, OH 44870
Contractor to be determined			

III. Baseline Information

The original emergency intake was constructed in 1938. Later, ODNR constructed the Big Island Wetland Dike, also known as the Pipe Creek Wilderness Area, in 1983. The emergency intake was moved 400ft north to the outside of the dikes of Pipe Creek Wilderness Area outside of Cell C. The current condition of the emergency intake can be seen in figure 1. The only vegetation around the emergency intake is some dead brush. The Sandusky Bay is very shallow according to the bathymetry shown in figure 2.

IV. Goals and Objectives

The main goal is to construct the emergency intake with the least amount of disturbance to the area. Since all construction will take place outside of the Pipe Creek Wilderness area, there will be no disturbance of any environmental sensitive areas and no mitigation is needed. Once the intake has been constructed, the site will be restored to its original condition.

V. Design Criteria

During construction, the only exposed ground should be the bay floor. The area will need to be dewatered in order to construct the new intake crib. Once the crib has been constructed, the dewatering system will be removed and water will be released. Following the construction activity, the area should look as it did before. There will be no exposed soils. The bank of the wetland dike is covered with large riprap. After construction, any disturbed riprap will be replaced in kind as it was prior to construction.

VI. Work Plan

All areas disturbed during construction are to be restored to their original condition. There shall be no destruction outside of the area of construction or the wetland dike. Once construction is complete, the contractor is to restore the area immediately. See figure 3 for disturbed areas.

A. Materials:

The materials needed for construction are white oak timber, stainless steel pins, and large stone to fill the crib.

B. Tree Replacement and Revegetation:

There is no vegetation in the area.

C. Exotic Invasive Species Control:

If exotic invasive vegetation is encountered, it will be removed manually.

D. Riparian Area Restoration:

If the bank is disturbed, the contractor is to replace the disturbed material with the same material to ensure bank erosion does not occur.

VII. Monitoring and Maintenance Plan

The superintendent of the water treatment plant will be in charge of monitoring the site on a yearly basis unless a problem arises before the maintenance bond expires. If any portion of the structure or surrounding area is failing during the time the maintenance bond is in effect, the contractor will be contacted to fix the problem. The contractor will be responsible for the area a minimum of one year. Each year pictures will be taken and recorded to evaluate the changes occurring from year to year.



Ohio Coastal Management Program Consistency Certification Statement

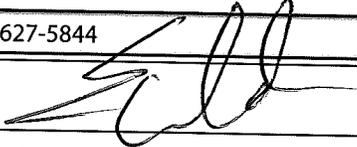


I, , do certify that the proposed activity complies with the enforceable policies of Ohio's approved coastal management program and will be conducted in a manner consistent with such program (16 U.S.C. § 1456 and O.R.C. §1506.03).

Address:

City: State: Zip Code:

Telephone Number:

Applicant's Signature:  Date:

Project Name/Description:

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

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

Please submit an original copy of this document signed by the applicant (not an agent or representative) with your Federal permit application or submit to:

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

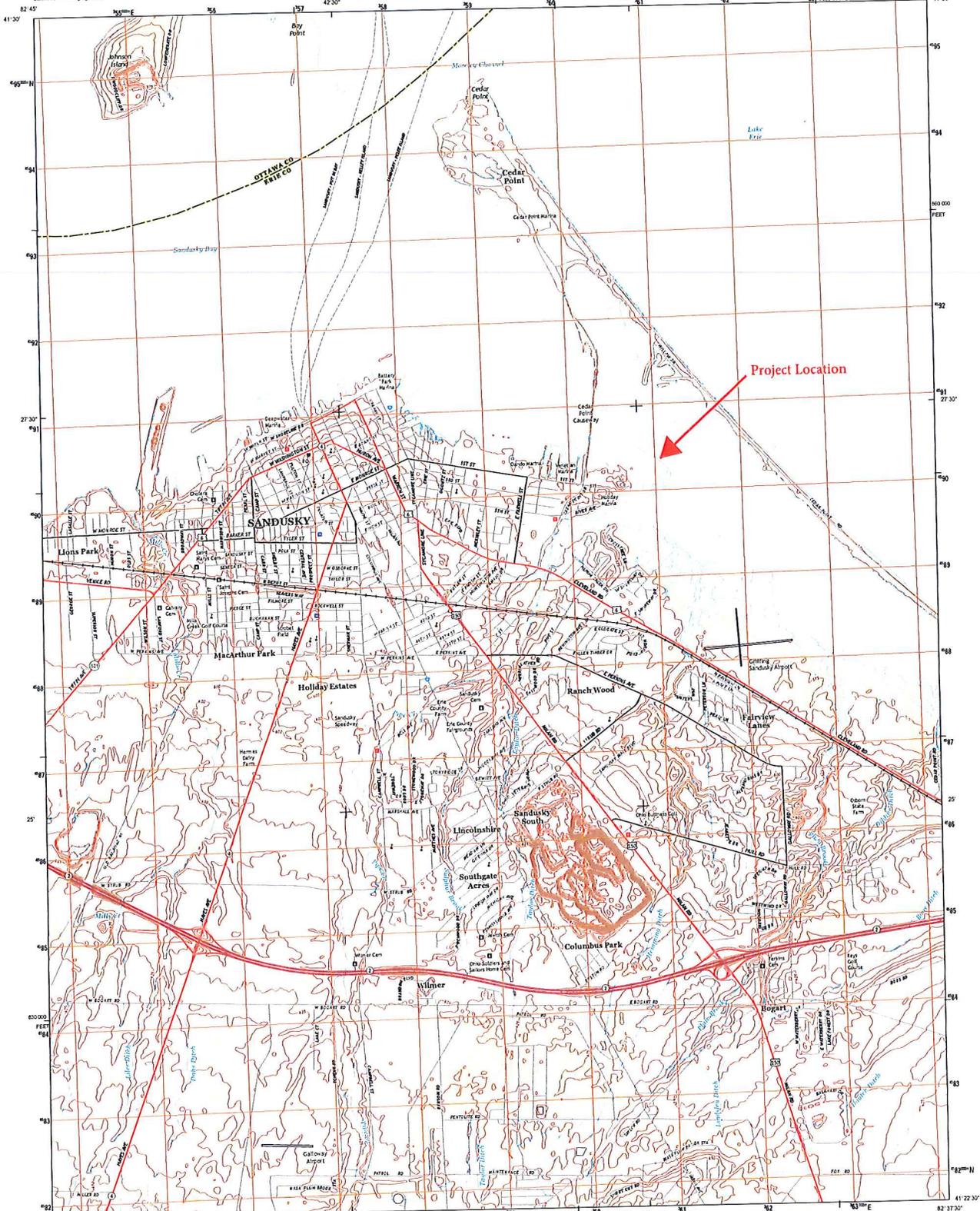




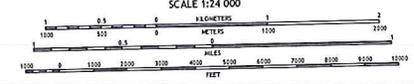
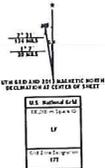
U.S. DEPARTMENT OF THE INTERIOR
U. S. GEOLOGICAL SURVEY



SANDUSKY QUADRANGLE
OHIO
7.5-MINUTE SERIES



Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and
1:250,000 contour interval. Horizontal datum: NAD83, Zone 17E
19 2000 North 43-01 by Coordinate System of 1983 (North Zone 17E)



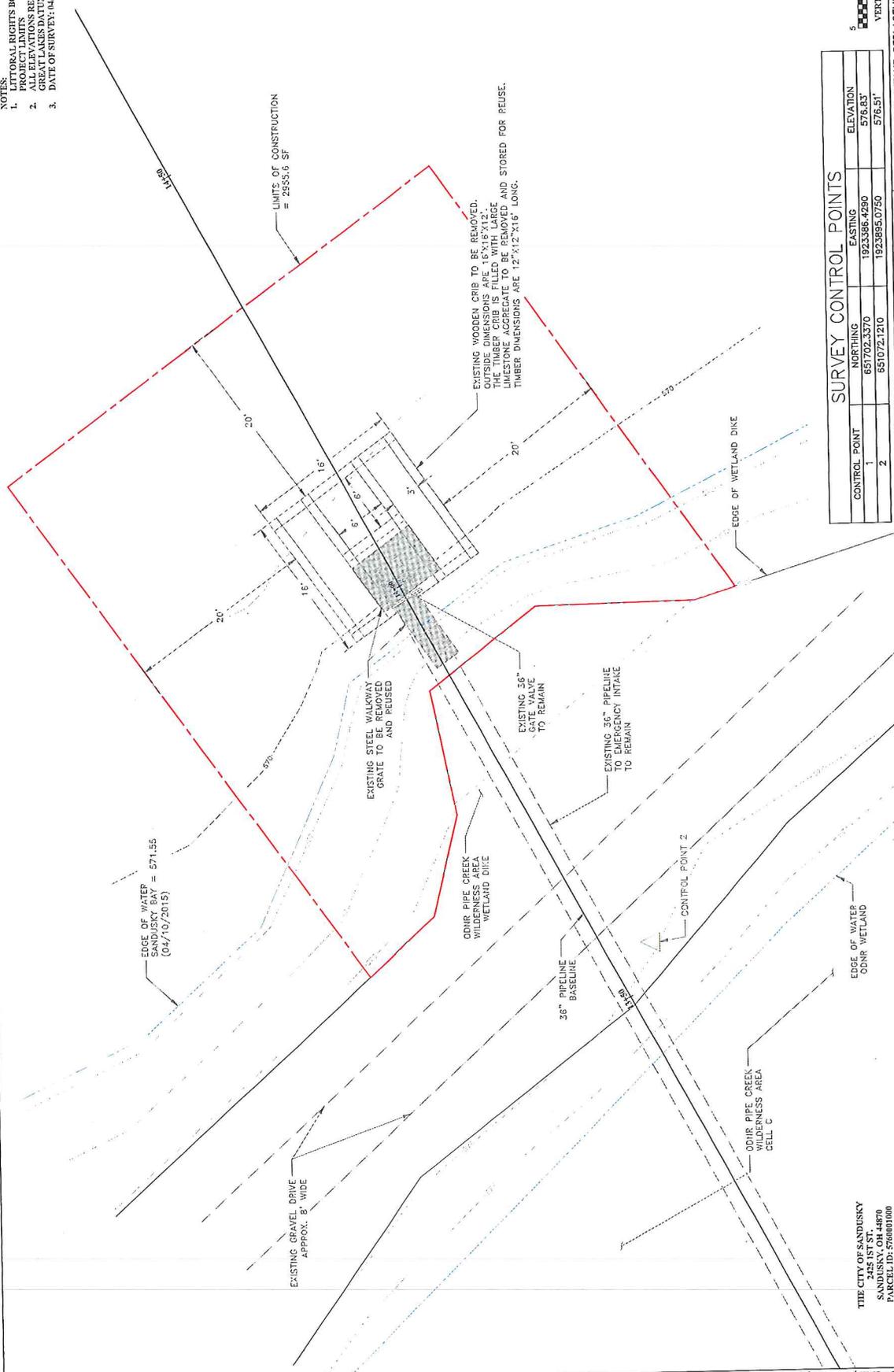
- ROAD CLASSIFICATION
- Expressway
 - Secondary Hwy
 - Ramp
 - Interstate Route
 - Local Connector
 - Local Road
 - 4WD
 - US Route
 - State Route

Contour	Water	Spot
Contour	Spot	Spot
Contour	Spot	Spot

SANDUSKY, OH
2013

CONTOUR INTERVAL: 5 FEET
NORTH AMERICAN DATUM OF 1983
This map was produced to conform with the
National Geospatial Program US Topo Product Standard, 2011.
A metadata file associated with this product is available at
http://www.usgs.gov

- NOTES:
- LITTORAL RIGHTS BOUNDARIES OUTSIDE OF WETLANDS ARE SHOWN BY DASHED LINES.
 - ALL ELEVATIONS REFER TO INTERNATIONAL GREAT LAKES DATUM 1985
 - DATE OF SURVEY: 04/10/2015



SURVEY CONTROL POINTS			
CONTROL POINT	NORTHING	EASTING	ELEVATION
1	651702.3370	1923386.4280	576.83'
2	651072.1210	1923695.0750	576.51'

THRASHER
 THE THRASHER GROUP, INC.
 CIVIL & ENVIRONMENTAL CONSULTING, INC.
 4455 BRIDGE STREET, CANTON, OH 44705
 PHONE: (330) 491-2275 FAX: (330) 491-5457

PROJECT NO. 1-01-010-0875
 CONTRACT NO. 1-01-010-0875
 SHEET NO. 4

EMERGENCY INTAKE REPLACEMENT
 CITY OF SANDUSKY
 ERIE COUNTY, OHIO
 EXISTING CONDITIONS

SCALE:	DATE:
AS SHOWN	04/10/2015
APPROVED:	
DRAWN:	
CHECKED:	
DATE:	
PROJECT:	
FILE BOOK NO.:	

THE CITY OF SANDUSKY
 2435 1ST ST.
 SANDUSKY, OH 44870
 PARCEL ID: 576001000

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Figure 1: Current condition of emergency intake

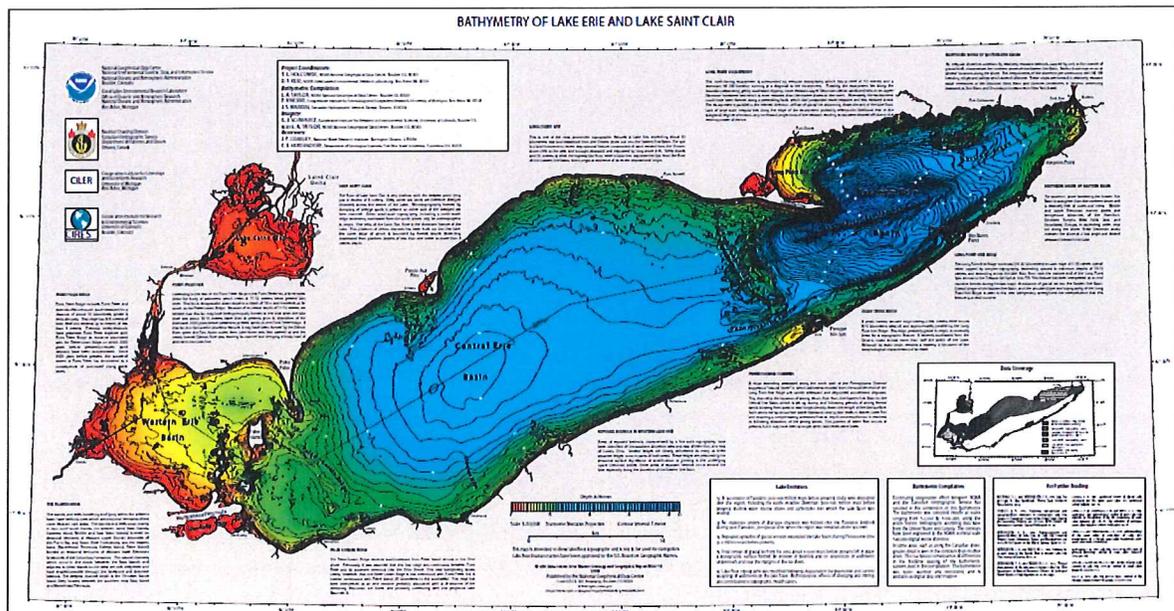


Figure 2: Bathymetry of Lake Erie