

LMCP CAB ORIENTATION 2015



COASTAL ZONE MANAGEMENT ACT OF 1972



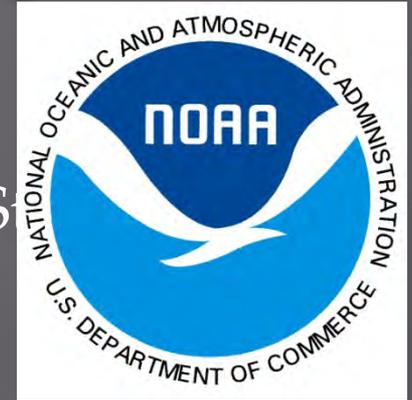
Value of our Coasts

- ▣ 52% of the nation's population lived in coastal watershed counties – 160 million people
- ▣ \$8.3 trillion contribution to GDP of the coastal watershed counties (over 1/2 of U.S. GDP)
- ▣ 66 million jobs in U.S. coastal watershed counties
- ▣ 15 million population increase expected in U.S. coastal population between 2010 and 2020



The Coastal Zone Management Act

- ▣ 1972
- ▣ Collaborative Federal-State program
- ▣ CZMA provides national guidelines for State Coastal Management Plans
- ▣ NOAA – Office for Coastal Management
- ▣ National Policy = “preserve, protect, develop, and restore where possible, coastal zone resources”
- ▣ 34/35 Coastal States & Territories – all participate except Alaska (voluntarily withdrew in 2011)
- ▣ States develop plans that meet federal requirements to receive funding
- ▣ States can conduct voluntary assessment every 5 years with Section 309



Structure of the CZMA

- ▣ Section 303 – Congressional Declaration of Policy
- ▣ Section 305 – Management Program Development
- ▣ Section 306 – Program Implementation Grants
- ▣ Section 306A – Small-scale Construction
- ▣ Section 307 – Federal Consistency
- ▣ Section 307A – CELCP (Coastal and Estuarine Land Conservation Program)
- ▣ Section 309 – Program Enhancement
- ▣ Section 312 – Program Evaluation
- ▣ Section 6217 – Coastal Nonpoint Pollution Control Program jointly administered with the EPA
- ▣ Section 315 – NERRS (National Estuarine Research Reserve System)

Coastal Zone Definition

- ▣ Coastal Zone definition = “coastal waters and the adjacent shorelands, strongly influenced by each other. . . .” The landward limit “extends inland from the shorelines, only to the extent necessary to control shorelands, the uses of which have a direct and significant impact on coastal waters”
- ▣ The program extends to the state lines of Illinois and Michigan.
- ▣ 45 total miles of Indiana shoreline
- ▣ Landward limit for Indiana – between 7 and 8 miles – the Lake Michigan watershed

Program Area

- Whiting
- East Chicago
- Hammond
- Highland
- Munster
- Dyer
- Schererville

- Gary
- Griffith
- Merrillville
- Crown Point
- Lake Station
- New Chicago
- Hobart
- Winfield

- Ogden Dunes
- Dune Acres
- Porter
- Burns Harbor
- Portage

- Beverly Shores
- Chesterton
- Valparaiso

- Michiana Shores
- Long Beach
- Michigan City
- Town of Pines
- Trail Creek



National Policy & Themes

- Performance Measurement System Components:



- Public Access
- Coastal Community Development
- Coastal Hazards
- Coastal Habitat
- Coordination of Involvement

State Coastal Programs

- Implement federally-approved management program
- Establish and enforce state policies (not in Indiana)
- Coordinate with other state agencies, regional, and local governments
- Ensure public involvement
- Assess and update Management Programs
- Identify emerging issues
- Develop Best Management Practices



INDIANA LAKE MICHIGAN COASTAL PROGRAM

Indiana Department of Natural Resources
Division of Nature Preserves



Program Area

- Whiting
- East Chicago
- Hammond
- Highland
- Munster
- Dyer
- Schererville

- Gary
- Griffith
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- Michigan City
- Town of Pines
- Trail Creek



Program History

- ▣ Indiana State Planning Agency - 197? - 1987
- ▣ DNR Division of Water - 1987 - 2002
 - Lake Michigan Coastal Coordination Program
 - ▣ Northwest Indiana Public Works Group - 1995
 - Industry, Ports, and Navigation;
 - Marinas, Public Access, and Recreational Uses;
 - Natural Resources, Water Quality, and Shorelines;
 - Residential, Agricultural, and Commercial Development.
 - ▣ Blue Ribbon Advisory Panel - 1997
 - (1) Implement a joint permit application for greater efficiency by:
 - (a) Involving all federal, state, and local regulating authorities.
 - (b) Assigning a work team to pursue joint applications.
 - (2) Consolidate environmental permitting processes in the State of Indiana.

History Continued

- ▣ DNR Division of Soil Conservation 2002-2005
 - Program Approved - September 2002
 - Coast Week - 2002
 - Coastal Nonpoint Plan
 - ▣ Contract w/ Purdue University - 2002-2004
 - ▣ Workgroup Meetings - 2003-2004
 - Coastal Grants Program
 - ▣ Large Scale Grants - 2003
 - ▣ Small Grants - 2007
 - ▣ CAM Grants - 2011
- ▣ DNR Division of Nature Preserves - 2005

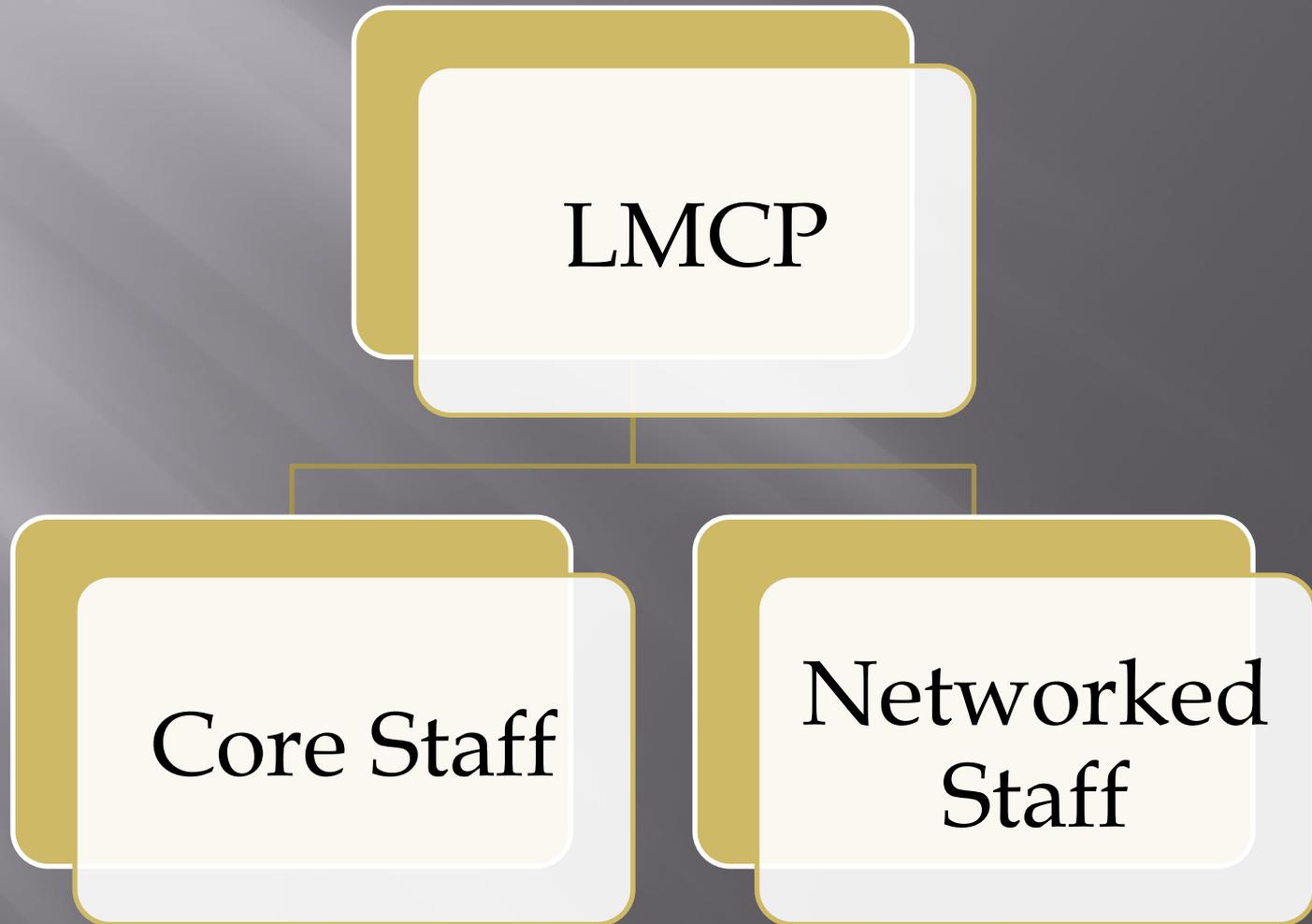
Vision: *Lake Michigan is healthy. All coastal resources are preserved, viable, valued, and accessible for present and future generations.*

Mission: *The mission of the IN Lake Michigan Coastal Program is to protect and enhance coastal resources by providing technical and financial assistance and coordination to current and future partners.*

Goal 1: *Coastal Program resources are used for taking actions that improve, protect, and make accessible Indiana coastal assets. (Financial & tech assist)*

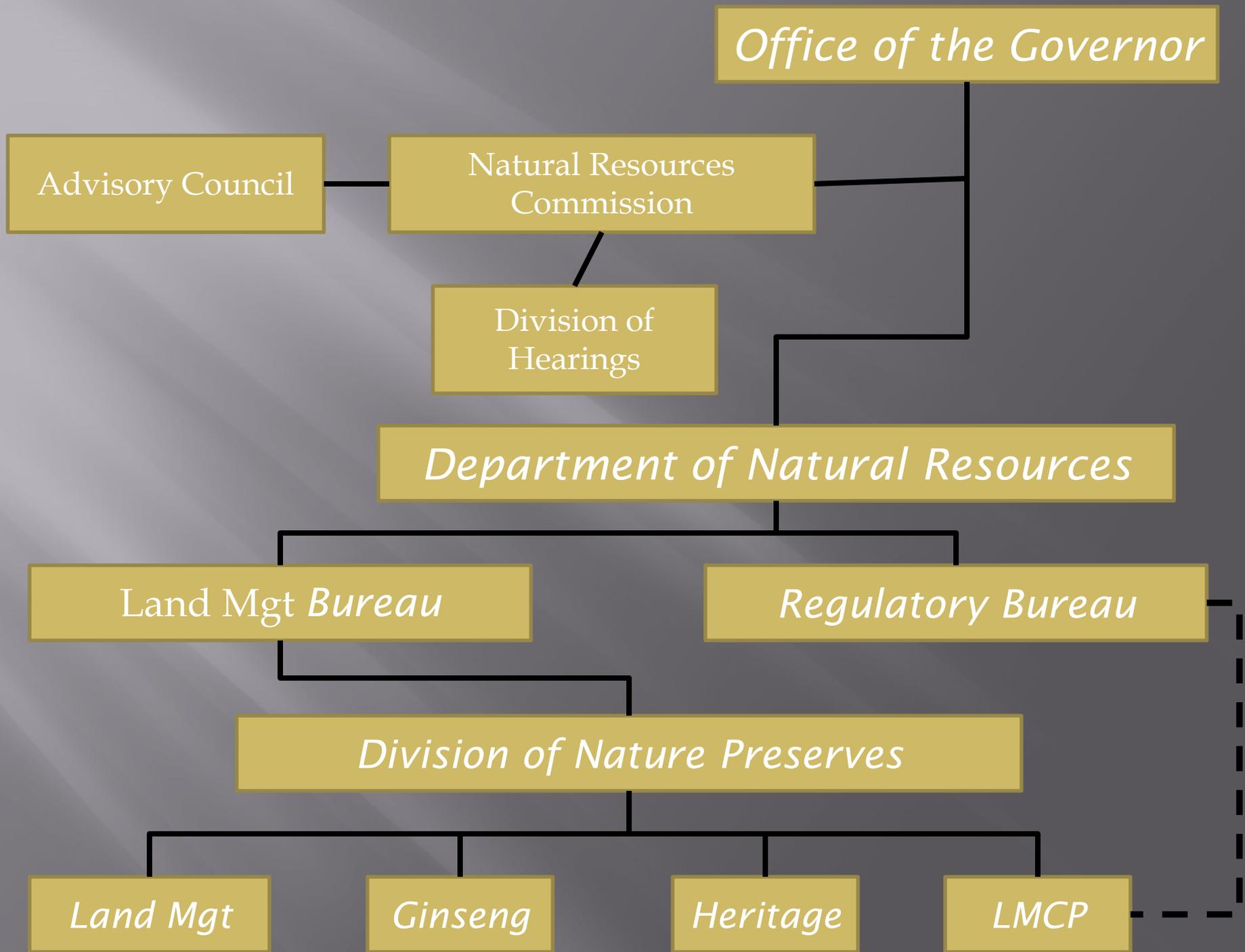
Goal 2: *Promote partnerships and collaboration to increase Lake Michigan Coastal Program effectiveness. (Collaboration/coordination)*

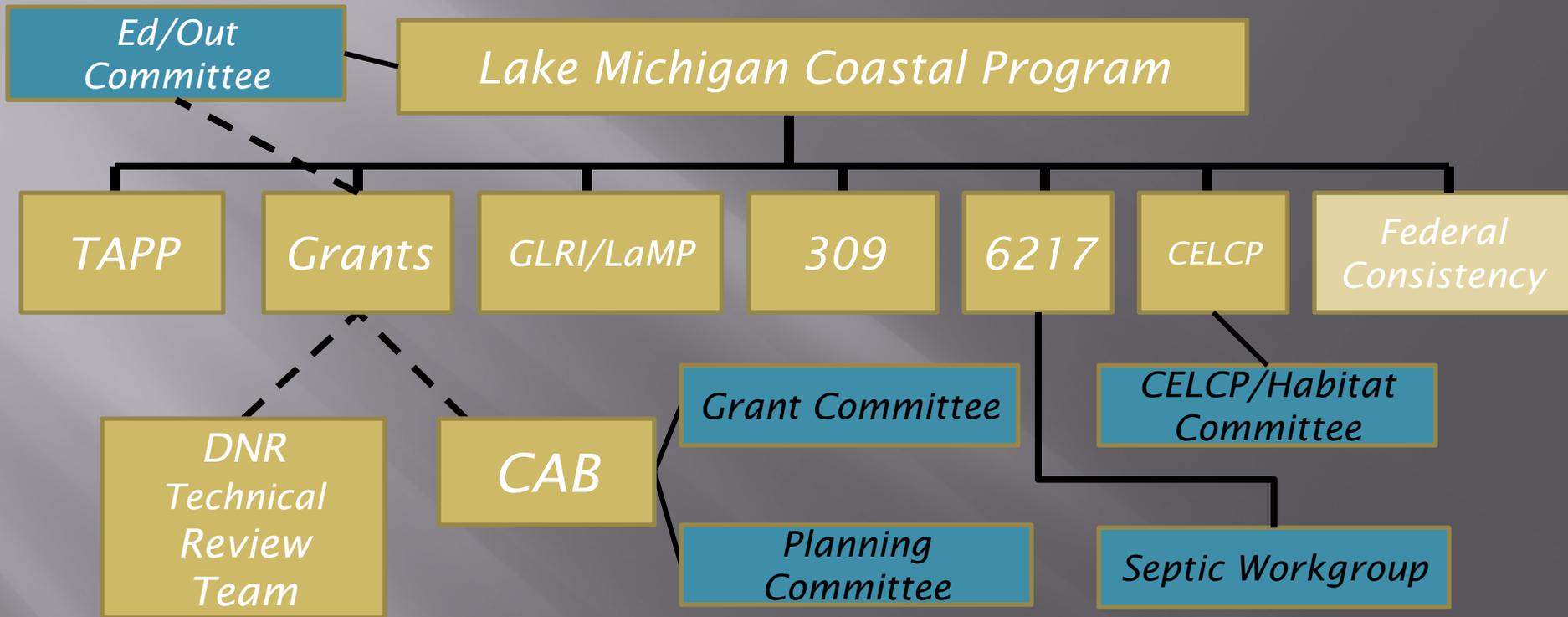
Program Network

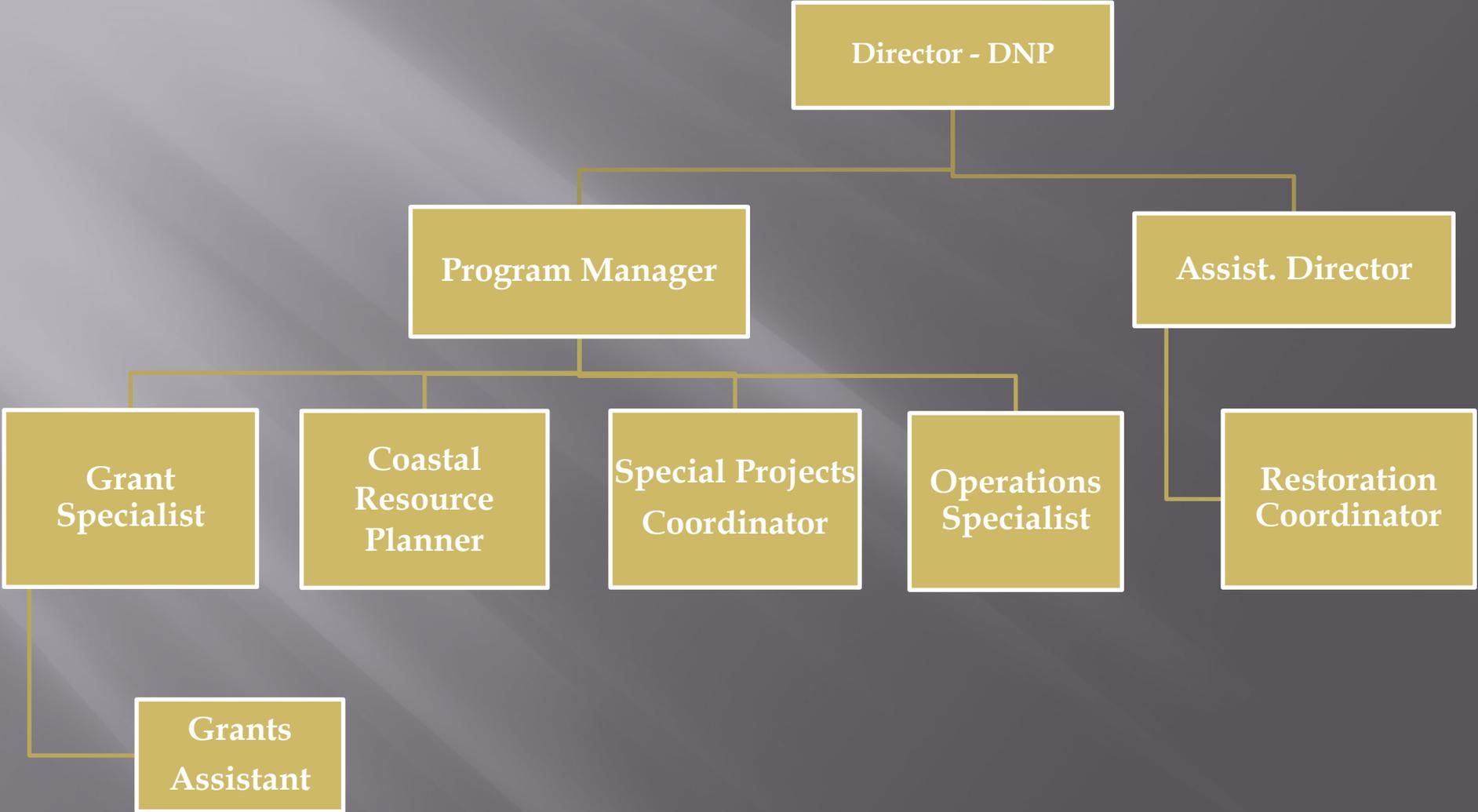


Staffing

- Program Manager – 199?
 - L. Rounds
 - M. Molnar
- Program Specialist (Grant Specialist) – 2003
 - J. Orsburn
 - M. Byrne
- Nonpoint Coordinator – 2004
 - A. Hendricks
 - J. Exl
 - C. Highlands
 - D. Carey
- Restoration Ecologist – 2005
 - J. Ervin
 - D. Nimetz
- Operations Manager – 2005
 - P. Schmid
 - J. Newman
 - C. Lemieux
 - B. Sowers
 - K. Alexander
- Coastal Resource Planner – 2008
 - S. Mendoza
- Grants Assistant/Intern – 2001
 - J. Kintzele
 - A. Pierce
 - K. Smith
 - S. Melnick
 - C. Highlands
 - S. Hancock
 - M. Palicka
 - DJ Koch









NOAA HEADQUARTERS ORGANIZATION



CORPORATE FUNCTIONS

Senior Advisor
Dr. Christine Blackburn

Deputy Assistant Secretary
for International Fisheries
Russell Smith

Federal Coordinator for
Meteorology
Sam Williamson

Under Secretary of Commerce for Oceans & Atmosphere & Administrator
Dr. Kathryn D. Sullivan

Assistant Secretary
Conservation &
Management/Deputy Administrator
Dr. Mark Schaefer

Assistant Secretary
Environmental Observation &
Prediction/Deputy Administrator
Vacant

Chief Scientist
Dr. Robert Detrick (A)

Deputy Under Secretary for Operations
VADM Michael S. Devany

Chief Of Staff
Renee Stone

Office of Policy, Senior Advisor to
Under Secretary
Sally Yozell

Deputy Chief of Staff
Jackie Bray

Decision Coordination & Executive
Secretariat
Kelly Quickle

Military Affairs
CAPT Joseph Branner, USN
Col Gary Kubat, USAF

Legislative & Intergovernmental Affairs
Amanda Hallberg

Communications
Ciaran Clayton

External Affairs
Amy Kerrigan

Senior Advisor for International
Affairs

Elizabeth McLanahan (A)

Education
Louisa Koch

General Counsel
Lois Schiffer

Office of Marine & Aviation
Operations
RADM David A. Score

Chief Resource &
Operations Management
Maureen Wylie

Acquisition & Grants
Mitchell J. Ross

Chief Administration Officer
Edward Horton

Chief Financial Officer
Jon Alexander (A)

Chief Information Officer/HP
Computing & Communications
Joe Klimavicz

Workforce Management
Christine Carpino (A)

LINE OFFICES

Assistant Administrator
National Marine Fisheries
Service (NMFS)
Eileen Sobeck

Deputy Assistant Administrator
for Operations
Dr. Paul Doremus

Deputy Assistant Administrator
for Regulatory Programs
Samuel Rauch

Director of Scientific Programs &
Chief Science Advisor
Dr. Richard Merrick

NMFS ORGANIZATION

Assistant Administrator
National Ocean Service
(NOS)
Dr. Holly Bamford

Deputy Assistant Administrator
Dr. Russell Callender

NOS ORGANIZATION

Assistant Administrator
National Environmental
Satellite, Data & Information
Service (NESDIS)
Mary Kicza

Deputy Assistant Administrator
Mark Posen

NESDIS ORGANIZATION

Assistant Administrator
Oceanic & Atmospheric
Research (OAR)
Dr. Robert Detrick

Deputy Assistant Administrator
for Laboratories & Cooperative
Institutes

Dr. Steve Fine

Deputy Assistant Administrator
for Programs & Administration
Craig McLean

OAR ORGANIZATION

Assistant Administrator
National Weather Service
(NWS)
Dr. Louis Uccellini

Deputy Assistant Administrator
Laura Furgione

NWS ORGANIZATION

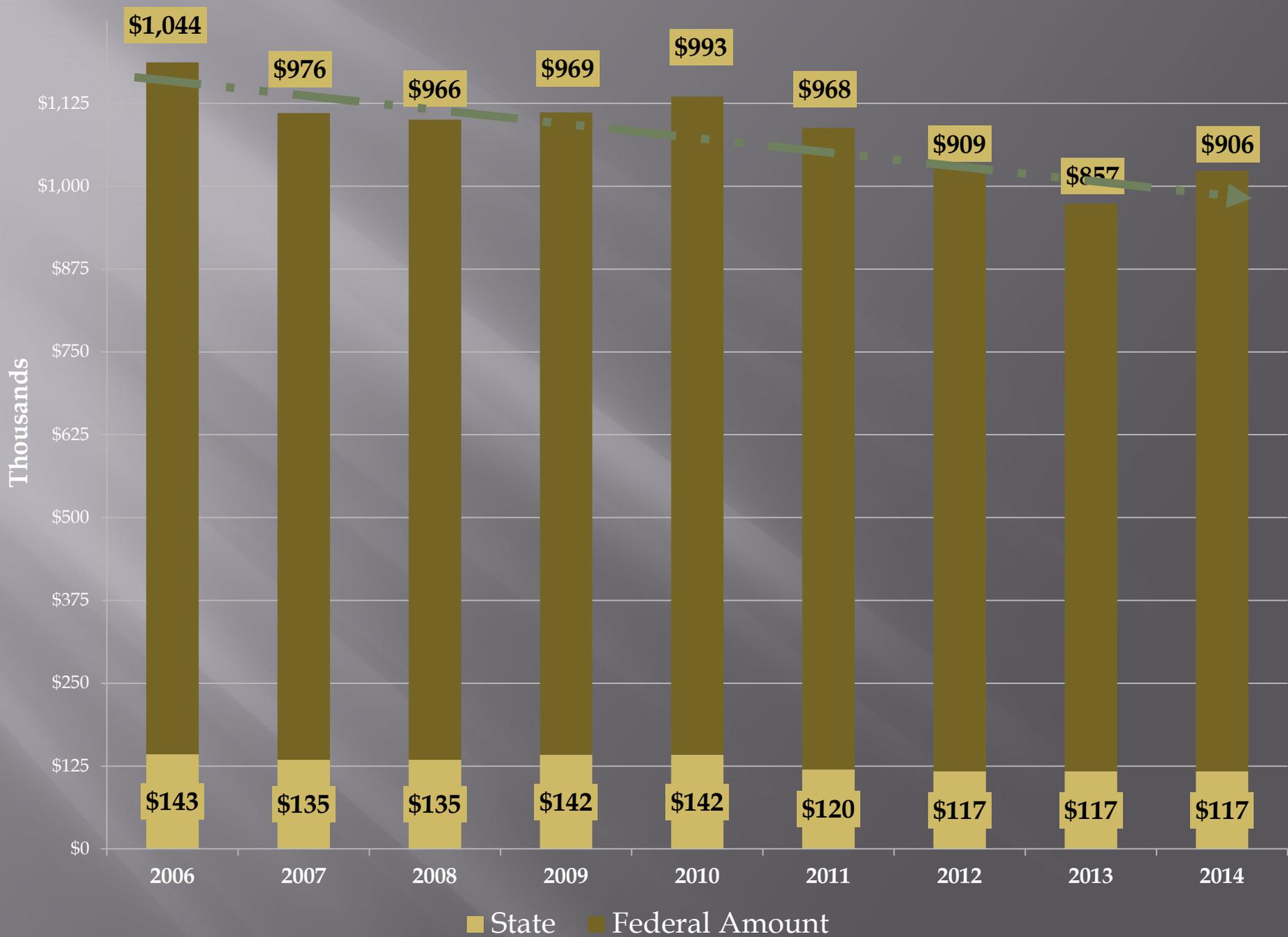
Assistant Administrator
Program Planning &
Integration (PPI)
Patricia Montanio

PPI ORGANIZATION

FY 14 Budget

Program	FY13 Spend Plan (w/ sequestration)	FY14 President Request	FY14 Approps
CZM Grants	\$61,623	\$66,146	\$66,146
ROPs	\$3,726	\$5,000	---
Coastal Office (OCRM/CSC)	\$36,188	\$38,414	\$38,226
NERRS	\$20,496	\$21,979	\$21,300
NERRS-PAC	---	\$1,700	\$1,700
CELCP	---	\$3,000	---
Coastal Storms	\$2,324	\$2,774	\$2,774
Coral Program	\$24,944	\$26,775	\$26,000





2014 CZMA Breakdown

Recipient	306/306A
LMCP	\$168,917
DNP	\$92,512
DSP&R	\$8,720
DF&W	\$5,952
DOW	\$6,950
“Other” State	\$90,885
LOCAL	\$370,209
Nonprofit	\$161,844
Total	\$906,000

2014

	Category	Cig Tax	CZMA	LaMP/RAP
LMCP	Staff	\$117,313	\$135,553	\$51,093
	Operating	\$0	\$23,674	\$0
	Travel	\$0	\$11,450	\$2,500
DNP	Staff	-	\$85,058	\$40,320
	Operating	-	\$3,218	\$6,600
	Travel	-	\$4,200	\$2,800
	Pass Thru	-	\$643,647	\$25,791
	Total	\$117,313	\$906,000	\$129,104
			LMCP Total	\$341,583
			DNP Total	\$142,196

309 Process

- ▣ Program “Self-Assessment” and Enhancement
- ▣ Identify programmatic areas of weakness
 - State Agency Staff meetings
 - Public / CAB Input Process
- ▣ Develop Strategies to improve the Program
 - Information gathering
 - Tool development
 - Policy changes

Section 309 Enhancement Areas

- ✓ Wetlands
- ✓ Public access
- ✓ Coastal hazards
- ✓ Cumulative and secondary impacts
- ✓ Energy and government facility siting
- ✓ Lake debris
- ✓ Lake resources management
- ✓ Special Area Management Plans (SAMP)
- ✓ Aquaculture

Timeline

- ▣ September 2014 – LMCP prep work
- ▣ October 2014 – Input Meeting
- ▣ November 2014 – Develop draft Assessment
- ▣ December 2014 – Develop draft strategies
- ▣ February 2015 – Draft due to NOAA
- ▣ April 2015 – Comments from NOAA
- ▣ June 2015 – Final document due
- ▣ August 2015 – NOAA Approval
- ▣ July 2016 – Year 1 Strategy

INDIANA LAKE MICHIGAN COASTAL PROGRAM

Coastal Zone Management Section 309
Enhancement Grant Program

Assessment and Multi-Year Strategy
2016 – 2020



DRAFT



January 30, 2015

Indiana Department of Natural Resources
Indiana Lake Michigan Coastal Program

Program Impact

LAKE MICHIGAN COASTAL PROGRAM GRANTS OVERVIEW

2015 CAB ORIENTATION
15 APRIL 2015

Program Area

- Whiting
- East Chicago
- Hammond
- Highland
- Munster
- Dyer
- Schererville

- Gary
- Griffith
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- Ogden Dunes
- Dune Acres
- Burns Harbor
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- Beverly Shores
- Porter
- Chesterton
- Valparaiso

- Michiana Shores
- Long Beach
- Michigan City
- Town of Pines
- Trail Creek



Grants Program

Indiana
makes available
approximately

\$580,000

annually to conduct a
competitive grants
program administered

by

DNR LMCP

in cooperation with

National Oceanic and Atmospheric Administration,
Office of Coastal Resource Management

**Large
Grant**

**Small
Grant**

Large Grant



Large Grant Timeline

June

Priority
Setting

July

Request for
Pre-Proposal

Aug.

Grant
Workshops

Sept.

Pre-Proposal
Deadline

Oct.

Committee
Reviews
CAB
Selection

Jan.

Full
Application
Due

Feb.

Applications
review &
approvals

March

NOAA
Approval

April

Environ-
Mental and
SHPO
Reviews

July

Grant Funds
Released

A	B	C	D	E	F	G	H	I
Project number	Category	start date	GA expiration date	Grantee	Project Title	Federal Amount	Local Match	Total

2012

NA12NOS4190092

2013

NA13NOS4190046

2014

NA14NOS4190080

2015

NA15NOS4190086

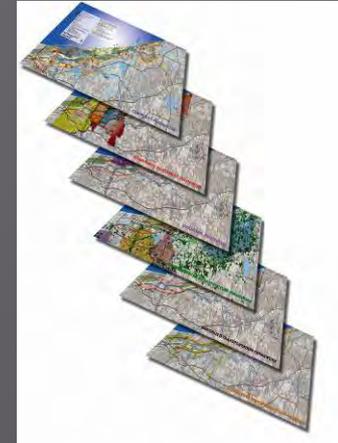
516	ED		12/31/2016	City of East Chicago-Multimedia	Protecting Water Quality Protects Our Quality of Life	\$18,969.00	\$18,969.00	\$18,969.00
517	LCC		12/31/2016	City of Hobart	Lake George Fishing Pier and Kayak Access	\$100,000.00	\$100,000.00	\$100,000.00
518	ACQ		12/31/2016	City of Portage Parks and Recreation	Rice Property Acquisition on Salt Creek	\$40,000.00	\$40,000.00	\$40,000.00
519	LCC		12/31/2016	Lake County Board of Commissioners	Milroy Covered Bridge Historic Restoration	\$100,000.00	\$100,000.00	\$100,000.00
520	PCM		12/31/2016	Northwestern Indiana Regional Development Authority	Marquette Action Plan	\$40,000.00	\$40,000.00	\$40,000.00
521	ED		12/31/2016	Purdue University Calumet	Ecology Education for Monitoring Biodiversity in the Calumet Region	\$45,246.00	\$45,246.00	\$45,246.00
522	ED		12/31/2016	Purdue University Calumet	Virtual 3D Model of a Septic System	\$24,998.00	\$24,998.00	\$24,998.00
523	AR		12/31/2016	Purdue Water Institute	Northwest Indiana Well Water Testing Program	\$47,793.00	\$47,793.00	\$47,793.00
524	ED		12/31/2016	Purdue Water Institute	Smart-Phone Based Device for Monitoring Chemical Fertilizer	\$46,256.00	\$46,256.00	\$46,256.00
525	ED		12/31/2016	Save the Dunes	Indiana Dunes Protection Guide for Residents	\$38,850.00	\$38,850.00	\$38,850.00
526	EI		12/31/2016	The Nature Conservancy	Early Detection Network for Invasive Plants	\$25,262.40	\$25,262.40	\$25,262.40
527	ACQ		12/31/2016	Town of Michiana Shores	Land Acquisition Along White Ditch	\$21,500.00	\$21,500.00	\$21,500.00



Coastal Program

NIRPC

RDA



Phase One



Phase Two

Technical Assistance Planning Program (TAPP) Resources Library

<http://www.in.gov/dnr/lakemich/7281.htm>



Low Cost Construction – Public Access



City of Hobart
Deep River Access

Low Cost Construction – Natural Area Restoration



Little Calumet River Prairie and
Wetlands Restoration -- IUN

Low Cost Construction – Native Landscaping

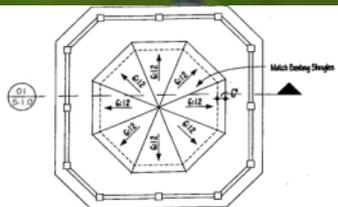
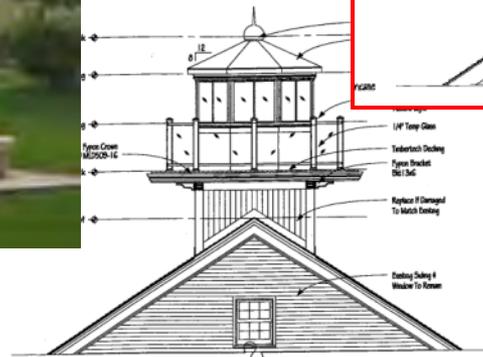
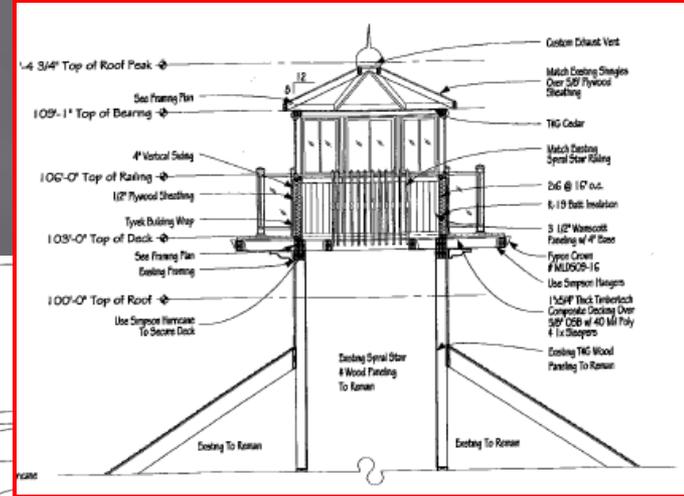
Native Landscaping
Demonstration Project

NIRPC Offices

Portage



Low Cost Construction – Cultural / Historical Resource Restoration



Roof Plan
Scale: 1/4" = 1'-0"

Elevation
Scale: 1/4" = 1'-0"

Old Lighthouse Museum
Michigan City Historical Society
Michigan City, Indiana
Washington Park
A-1.0
March 2017
REVISED 03/2017

All Work Depicted Shall Conform to the 2006 Indiana Building Code w/ State Amendments and Any Other Applicable Local Ordinances.

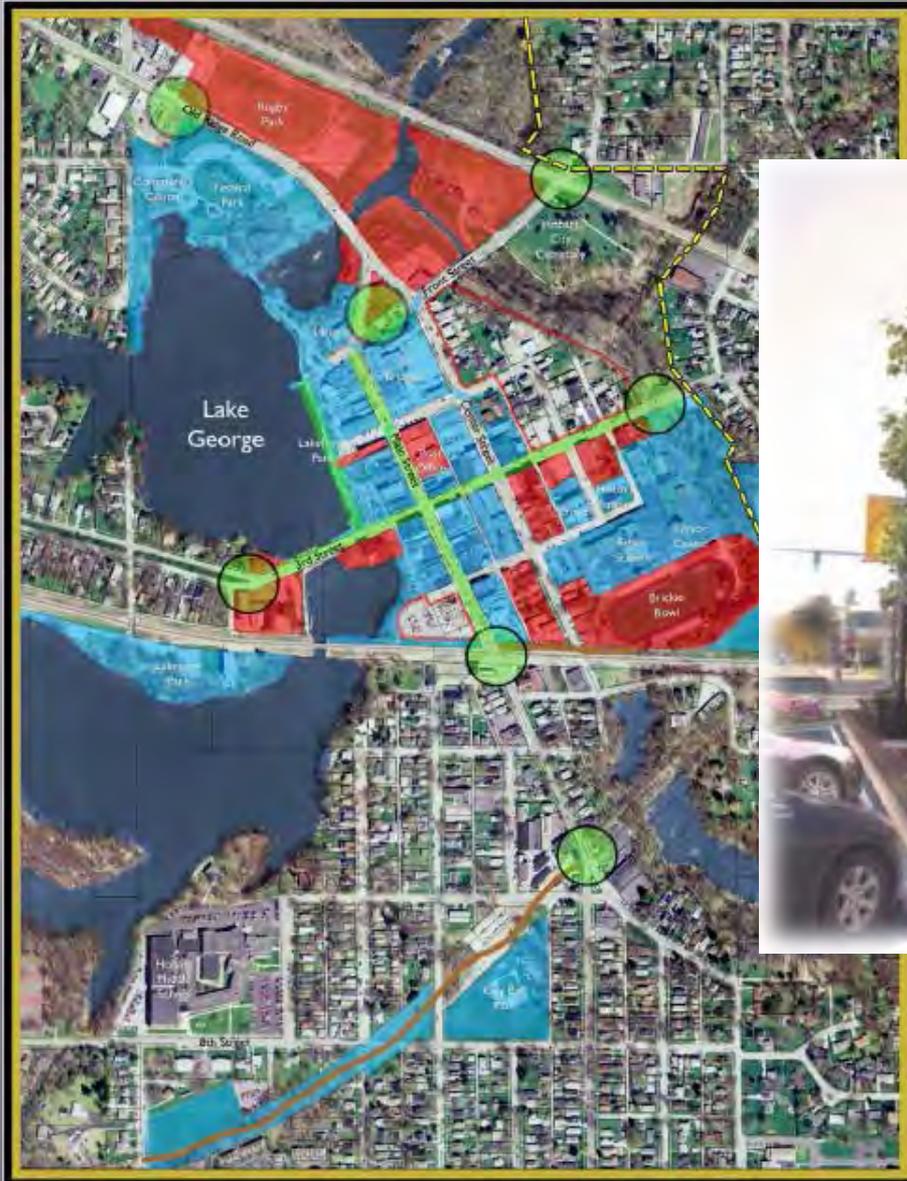
Old Lighthouse Museum Lantern Room Reconstruction City of Michigan City

Land Acquisition



**Sammons Acquisition At Oak Ridge
Prairie County Park – Lake County Parks**

Planning / Coordination / Management



Downtown Opportunities Plan



Hobart Downtown Plan
City of Hobart

Planning / Coordination / Management



Inventory of Public Input | Amenity Options by Zone

The park site is grouped into eight zones based on physical characteristics and potential program. These include Zone 1, the ballfields; Zone 2, the park core; Zone 3a, the active meadow; Zone 3b, the passive meadow; Zone 4a, the active woods;

Zone 4b, the passive woods; Zone 5, the parking area; and Zone 6, the edges and gateways. A variety of amenities were presented to a stakeholder group, who weighed in with their preferences, summarized in the tables below.

Amenity	# Yes	# Nays	# Priority
1: Ballfields			
Dugout Upgrade	7		1
Ibs-tastop Upgrade	6		
Lighting	5	2	
General Upgrade of Fields	5		
Grading & Drainage	4		13
Scoreboard	4		
Improved Fencing	3		
Stadium Field		2	
2: Park Core			

Amenity	# Yes	# Nays	# Priority
3a: Active Woods			
Outdoor Classroom	5		
Shelters	5	1	
Interpretive Signage	5		2
Boardwalks	4		3
Ropes Course	4	2	
Pond	4		
GPS	4		6
Canopy Walk	3	1	
Tree House	3	1	2
Public Art	3	2	

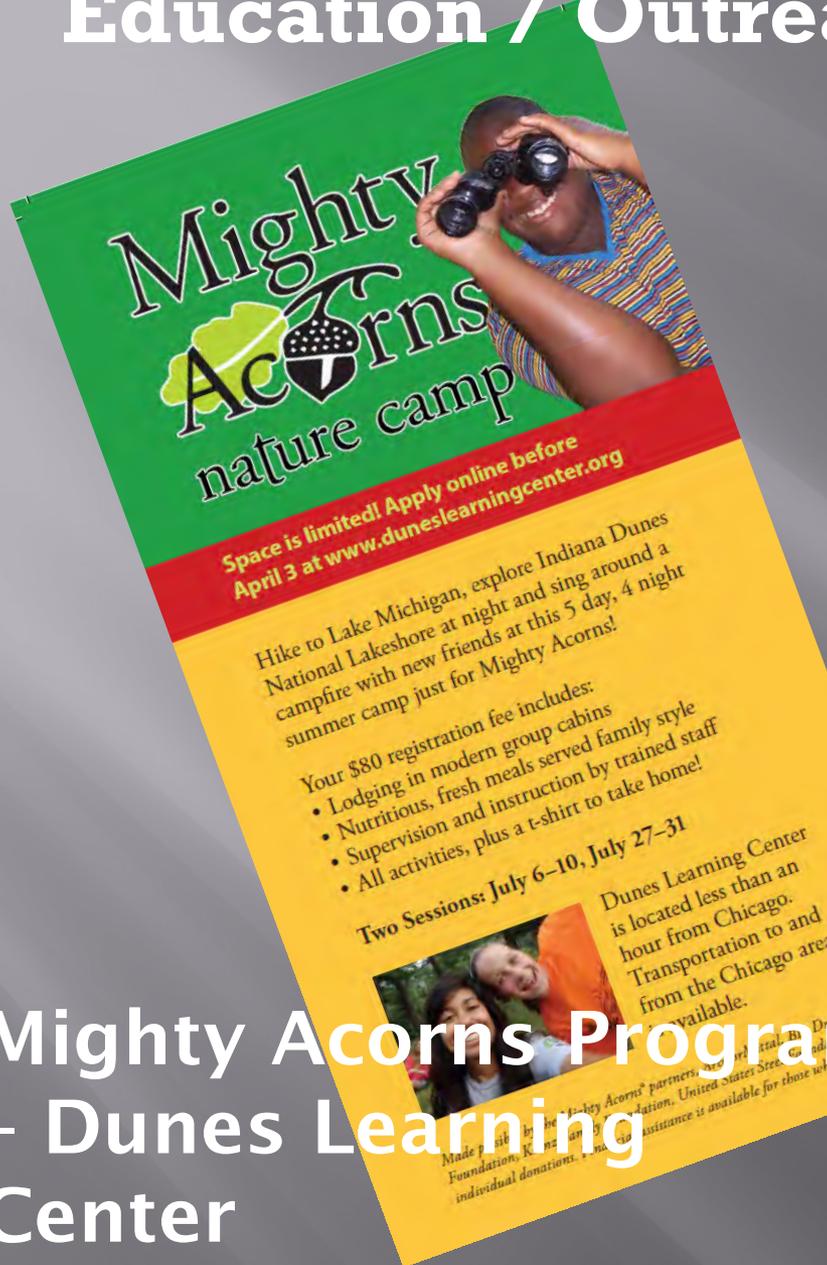


Stakeholders rate potential park amenities at the March 2012 Public Meeting

Field of Dreams Park 5-Year Master Plan

Portage Township Department of Parks and Recreation

Education / Outreach



Mighty Acorns
nature camp

Space is limited! Apply online before April 3 at www.duneslearningcenter.org

Hike to Lake Michigan, explore Indiana Dunes National Lakeshore at night and sing around a campfire with new friends at this 5 day, 4 night summer camp just for Mighty Acorns!

Your \$80 registration fee includes:

- Lodging in modern group cabins
- Nutritious, fresh meals served family style
- Supervision and instruction by trained staff
- All activities, plus a t-shirt to take home!

Two Sessions: July 6-10, July 27-31

Dunes Learning Center is located less than an hour from Chicago. Transportation to and from the Chicago area is available.

Made possible by the Mighty Acorns' partners, including the Dunes Learning Center, United States Steel Foundation, Kappa Kappa Gamma, and individual donations. Financial assistance is available for those who need it.

Mighty Acorns Program - Dunes Learning Center



You are invited to become a Certified Mighty Acorns Educator!

- Do you love nature and want to learn more about it?
- Do you want more involvement in the Mighty Acorns Program?
- Do you want to become an outdoor educator and mentor other teachers?

Mighty Acorns Teacher Certification includes on the ground training in identification of native and invasive plant species specific to your Mighty Acorns site. Participating educators will also be trained on trails and all field study games for your level.

This one day training will take place during the summer (date TBD). Resources provided include a site specific map of your location indicating trails and plants; instructions for all field study games; and a flash guide to identify plants in fall, winter, and spring.

We ask that all certified Mighty Acorn teachers lead a portion of their study trips next school year, in addition to free exploration. We will provide all needed materials necessary for you to lead the on-site game or stewardship (your choice) during fall, winter, and spring trips for your classroom.

Thanks to the recent Mighty Acorns expansion made possible by major funding from ArcelorMittal and a new partnership with Purdue Calumet, this free certification will also provide you with CPU's from Purdue University Calumet.

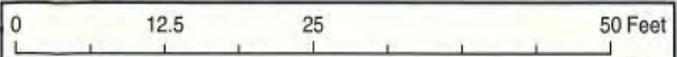
Space is limited, interested teachers please contact Amber Horbovetz, Outreach Education Coordinator at ahorbovetz@duneslearningcenter.org with any inquiries and to register by Friday April 24th.

Major funding for the Northwest Indiana Mighty Acorns Partnership provided by ArcelorMittal



Dunes Learning Center
700 Howe Road
Chesterton, IN 46304
Phone: (219) 395-9555
www.duneslearningcenter.org





Iron Enhanced Rain Garden for Education and Research



CENTRAL ELEMENTARY SCHOOL

FRANKLIN STREET

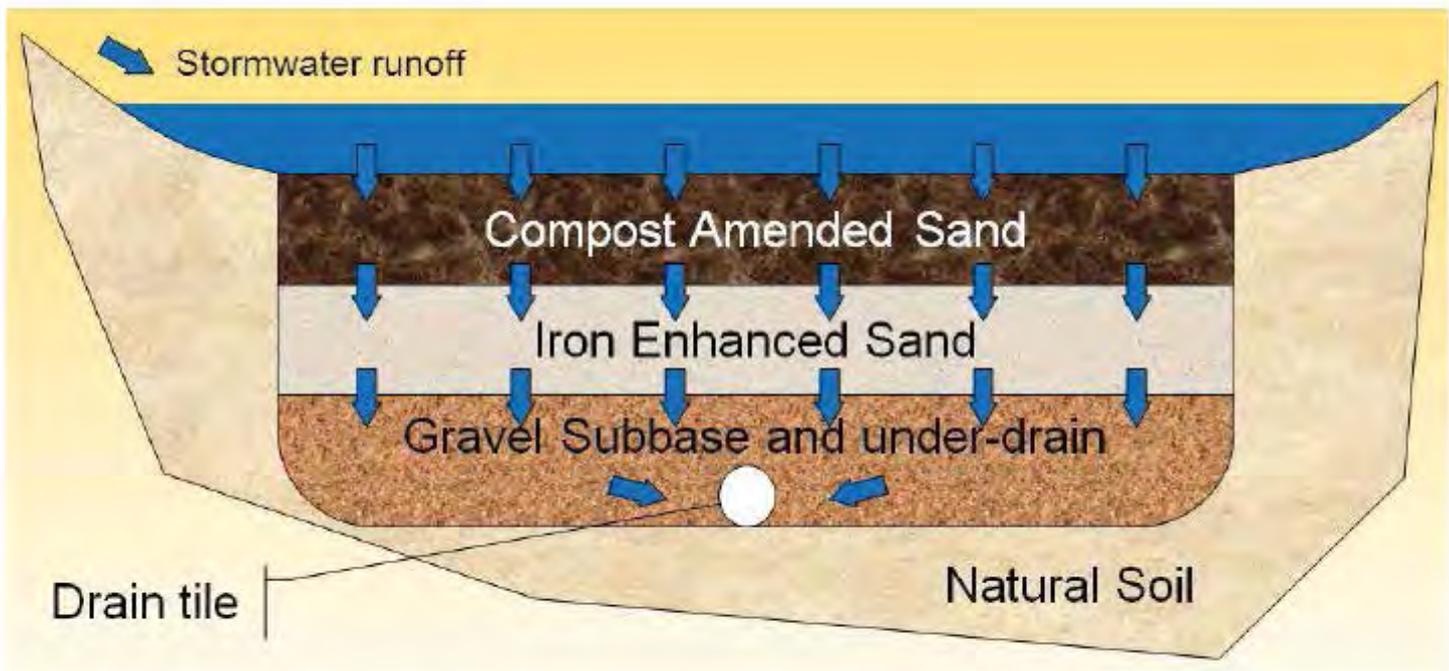


Figure 1. Proposed design of a rain garden with an iron enhanced sand filter layer.

A Compilation of Road Projects Using Green Infrastructure

Great Lakes Green Streets Guidebook

4 Bioretention or Bioswale: Local Road 54th Court, Merrillville, IN



(Above) Before
reconstruction and
(right) after



Project sponsor
Town of Merrillville, Indiana

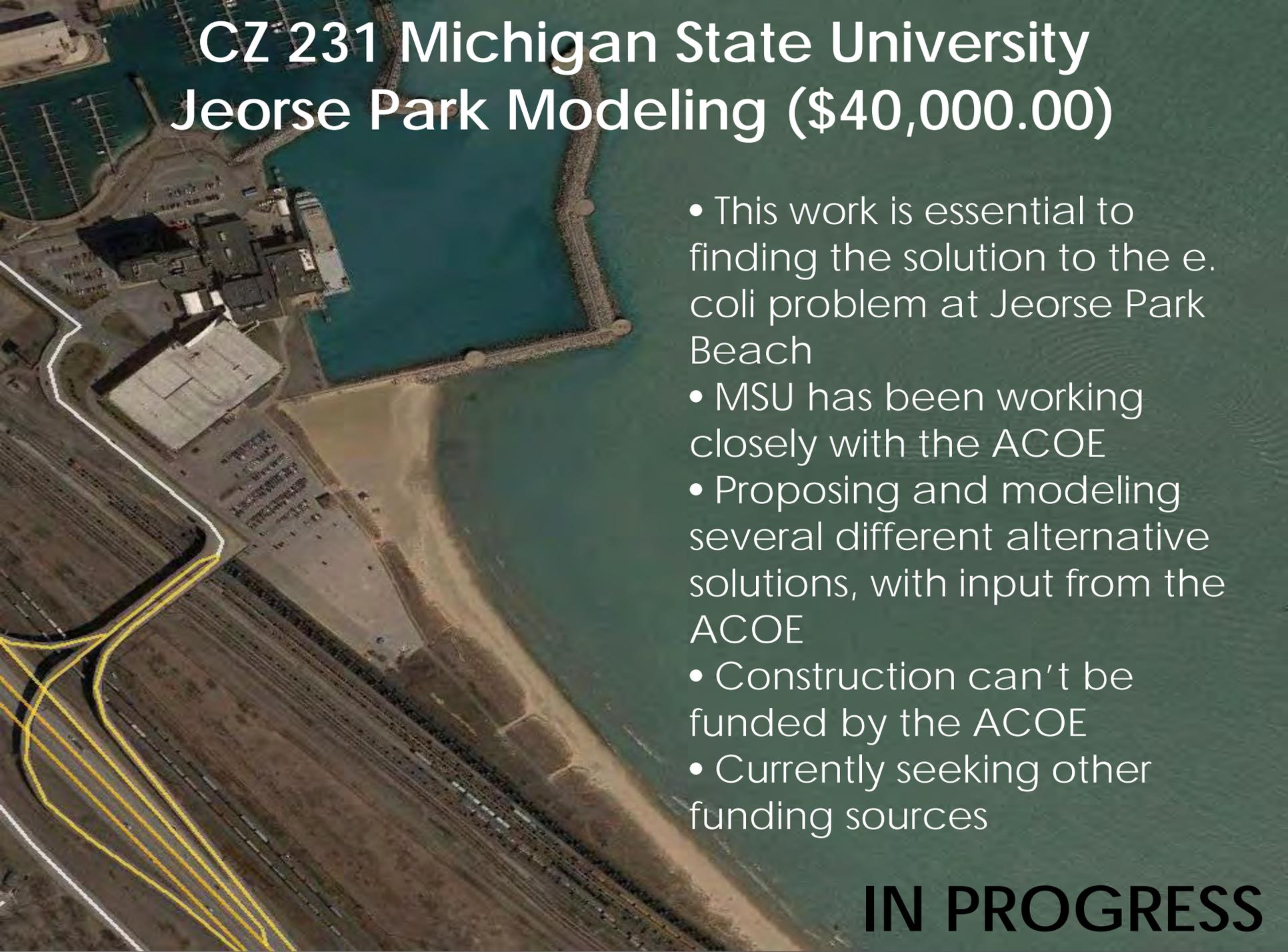
Project designer
Merrillville Stormwater Utility
and Robinson Engineering

Project contractor
Olthoff

Total project cost
\$63,000

Key design features
• Design Event: 0.5-inch of

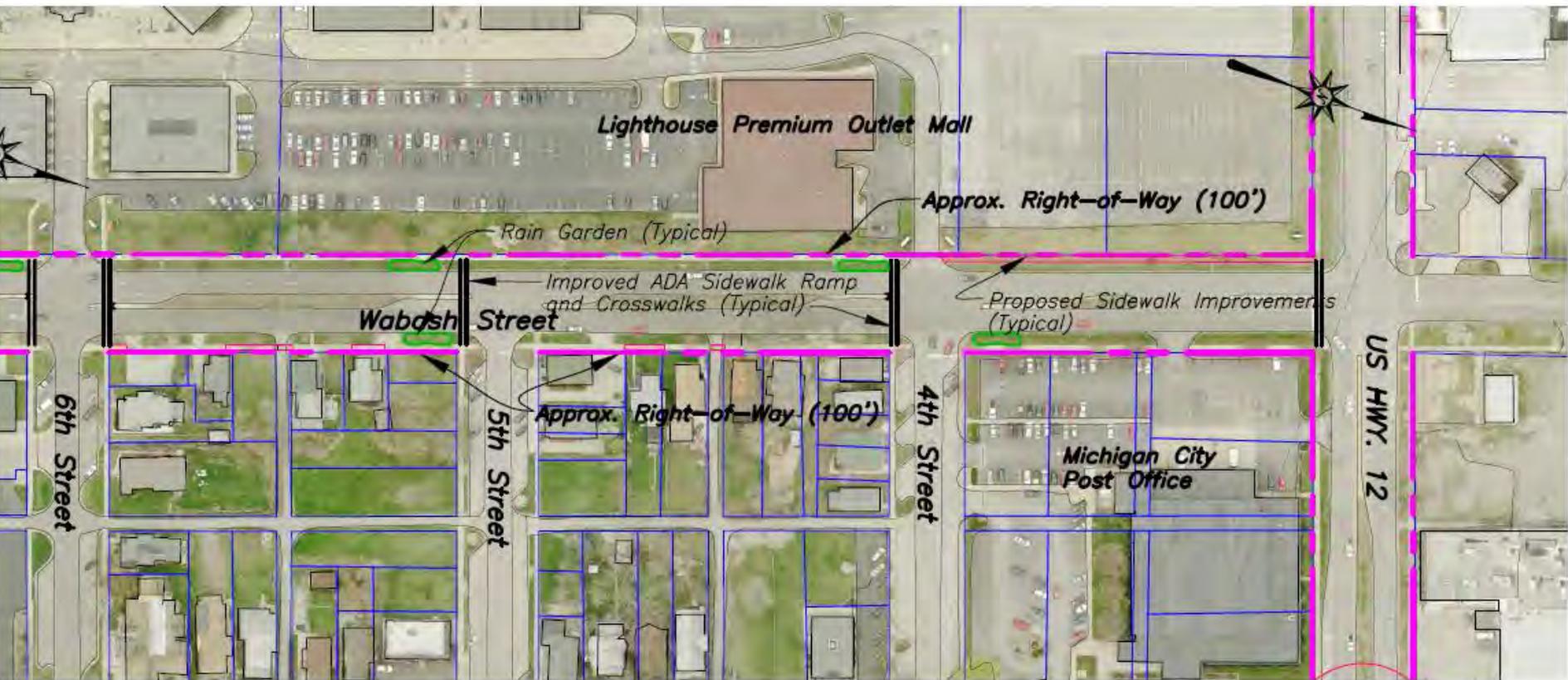
- Received 2014 Outstanding Stormwater Project from Indiana Association for Floodplain and Stormwater Management (INAFSM)
- Recipient of Governor's Award for Environmental Excellence - Greening Government - 2014



CZ 231 Michigan State University Jeorse Park Modeling (\$40,000.00)

- This work is essential to finding the solution to the e. coli problem at Jeorse Park Beach
- MSU has been working closely with the ACOE
- Proposing and modeling several different alternative solutions, with input from the ACOE
- Construction can't be funded by the ACOE
- Currently seeking other funding sources

IN PROGRESS



LEGEND

-  Proposed Rain Garden Location
-  Proposed Concrete Sidewalk Improvements (Not part of Grant Application)
-  Proposed ADA Sidewalk Ramp and Crosswalk Improvements

NOTES:

1. Trees are not shown; they will be distributed within the tree lawn and Medians
2. Bio-swales will be designed in the tree lawns to flow to the Rain Garden locations.
3. Concrete Curb Turnouts will drain storm water from the street into the Rain Gardens.

Wabash Street Rain Garden / Bio-swale Project

NOAA – Lake Michigan Coastal Program Grant
 City of Michigan City, LaPorte County, Indiana

Exhibit 2 – Site Map, North 1/2

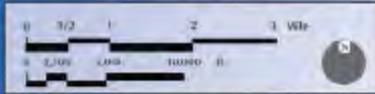
Scale: 1"=150'

Sheet 1 of 2

The Marquette Plan

A Vision for Lakeshore Reinvestment

LAKE CO.
PORTER CO.



Map highlights general location of project improvements and is not intended to show exact placement or size of improvements. Data source: NLRPC.

LAKE MICHIGAN

PORTER CO.
LA PORTE CO.

MICHIGAN CITY

LOCAL

8 North End Consolidated Plan – Michigan City

- Consolidate the studies for the "6 zones" in the north end of the City into a single sub-area plan to guide future improvements in the North End.



MULTI-JURISDICTIONAL

- Lakeshore Gateway Corridor and Sub-Area Plan – IN 49, Chesterton, Porter, Porter County, Indiana Dunes National Lakeshore, and Indiana Dunes State Park**
 - Enhance entrance to lakeshore destinations including; Indiana Dunes State Park, Indiana Dunes National Lakeshore / Porter County Visitors Center
 - Promote hospitality related development along the corridor
 - Enhance interchanges and bridges as gateways
 - Explore TOD opportunities at Dunes Park South Shore Station for hospitality related development and multi-modal center
- Lakeshore Gateway Corridor and Sub-area Plan – US 12 / County Line Road, Michigan City, Pines, LaPorte County, Porter County, Indiana Dunes National Lakeshore**
 - Enhance entrance to lakeshore destinations including; Mt. Baldy, Central Beach, Lighthouse Outlet Mall and Washington Park
 - Extend Calumet Trail to Mt. Baldy/Crescent Beach/Washington Park
 - Enhance US 12 as a scenic route with streetscape improvements, landscape buffers and non-motorized facilities
 - Explore partial interchange at I-94
- Transportation Management Plan – Portage, Chesterton, Burns Harbor, Porter, Ogdun Dunes, Dune Acres, Porter County, Indiana Department of Transportation, Indiana Dunes National Lakeshore, Indiana Dunes State Park**

- Evaluate alternative truck routing to improve efficiency and safety of all motorists
- Detail actions needed to improve dangerous intersections and roadway segments
- Incorporate access management strategies
- Address functional deficiencies

- Lakeshore Gateway Corridor Streetscapes – US 12 / IN 249, Ogdun Dunes, Portage, Indiana Department of Transportation, Indiana Dunes National Lakeshore**
 - Enhance entrance to lakeshore destinations including; Portage Lakeshore Park, West Beach, AmenIPlex – At the Port, various marinas
 - Incorporate street lighting, pedestrian crossing signals at IN 249 and Burns Parkway / AmenIPlex Drive to accommodate users of the Marquette Greenway Trail, wayfinding, signage, and median treatments and landscaping
 - Use best management practices to mitigate impacts of stormwater impacts to Burns Waterway and Lake Michigan
- Lakeshore Drive Corridor Plan – Michiana Shores, Long Beach, Michigan City**
- US 12/20, IN 212 Corridor Plan – Trail Creek, Michigan City, Long Beach, Michiana Shores, Pottawattamie Park, LaPorte County, Indiana Department of Transportation**
- Marquette Greenway Trail - E/W Connector of Indiana Dunes National Lakeshore – Corridor Plan, Burns Harbor, Ogdun Dunes, Portage, Indiana Dunes National Lakeshore, Gary**

- Coordinate efforts to connect east and west units of the Indiana Dunes National Lakeshore along route identified in NIRPC's Bikeways Plan.

LOCAL

- North End Consolidated Plan – Michigan City**
 - Consolidate the studies for the "6 zones" in the north end of the City into a single sub-area plan to guide future improvements in the North End.
 - Conduct a feasibility study to develop a community supported solution to improve Beverly Drive.
- White Ditch Water Resources Demonstration Project – Michiana Shores**
 - Commission a demonstration project to improve water quality through best management practices and improve pedestrian connections to Moore Road and Grand Beach
- Stop 24 – Lakefront Park Master Plan – Long Beach**
 - The Plan will offer recommendations regarding the consolidation of town-owned parcels at the Stop. The plan will also consider programming elements of the park including; cafes, boardwalks, and gathering spaces.
- Bikeways Plan – Pottawattamie Park**
- IN 520 Sub-Area Plan**

- The Plan will guide development and enhance the town's position

NON SITE-SPECIFIC

- Visitor Management Plan – All Lakeshore, Indiana Dunes State Park
- Manage visitor by capturing lakeshore destinations
- Address parking and traffic issues
- Improve wayfinding and signage
- Mitigate conflicts between recreation and development
- Fund the Shoreline Development Program
- As the management entity, the Marquette Plan will implement the recommendations of the Marquette Plan
- Update the Marquette Plan every 5 years

The Deep River/ Turkey Creek Watershed Management Plan

June 2002





WELCOME TO OUR RAIN GARDEN

Beautiful and Beneficial Merrillville Green Street

What is a Rain Garden?

A rain garden is a bowl-shaped landscape feature that treats stormwater through storage, infiltration and bioremediation. This rain garden uses native perennial plants as natural filters to remove pollutants from stormwater. Our water becomes polluted as it runs off of the surrounding surfaces around you including roofs, driveways, sidewalks and roadways. When you create a rain garden, you can improve local water quality while establishing a beautiful natural area.



Benefits of a Rain Garden?

Rain gardens allow rain and snowmelt to seep naturally into the ground. This helps recharge our groundwater supply and prevents water quality problems caused by polluted runoff. By improving the drainage, the roadway will also not longer reduce the cost of maintenance. Rain gardens are an important way to make our town a more attractive place to live and improve the quality of life.

About this Project?

This project is a "Green Streets" retrofit design incorporating stormwater management strategies. The reconstructed roadway was reconstructed with concrete and sloped towards the rain gardens to capture and treat the stormwater. By improving the design of our roadways, we can make them more sustainable, reduce flooding and improve water quality. This project was planted on June 21, 2013 and funded in part by the National Oceanic and Atmospheric Administration and Indiana Department of Natural Resources, Lake Michigan Coastal Program.

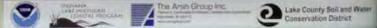




You Can Also Make a Difference!

- Plant a rain garden in your yard
- Don't over-fertilize your lawn
- Install a rain barrel to harvest rain water
- Properly dispose unwanted automotive fluids
- Volunteer to help maintain grass projects
- Report polluters
- Remember "only rain in the drain!"

Special thanks for funding and donations from our partners!

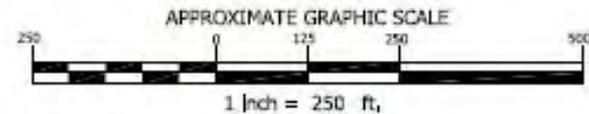
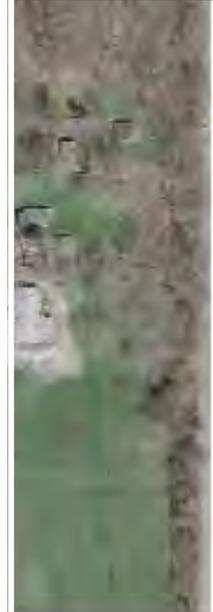




Smart Growth Comprehensive Plan | Burns Harbor, Ind.

CLIENTS
Commercial

MARKETS
Infrastructure



SOURCE: AERIAL IMAGE ADAPTED FROM GOOGLE EARTH IMAGERY DATED APRIL 2011.
 COPYRIGHT © 2014 WEAVER AGOS CONSULTANTS NORTH CENTRAL, LLC.
 ALL RIGHTS RESERVED.

PREPARED FOR;

BURNS HARBOR
COMMUNITY RAIN
GARDEN PROJECT

**BURNS HARBOR COMMUNITY RAIN GARDEN
PROJECT DETAILED SITE MAP**
 NAVAJO TRAIL & N. BOO ROAD
 BURNS HARBOR, IN

DRAWN BY: JRP
 REVIEWED BY: EVN
 DATE: 01/07/2014
 FILE:
 CACI

- Applied Research
- Education/ Outreach
- Land Acquisition
- Low Cost Construction
- Planning/
- Coordination/ Management

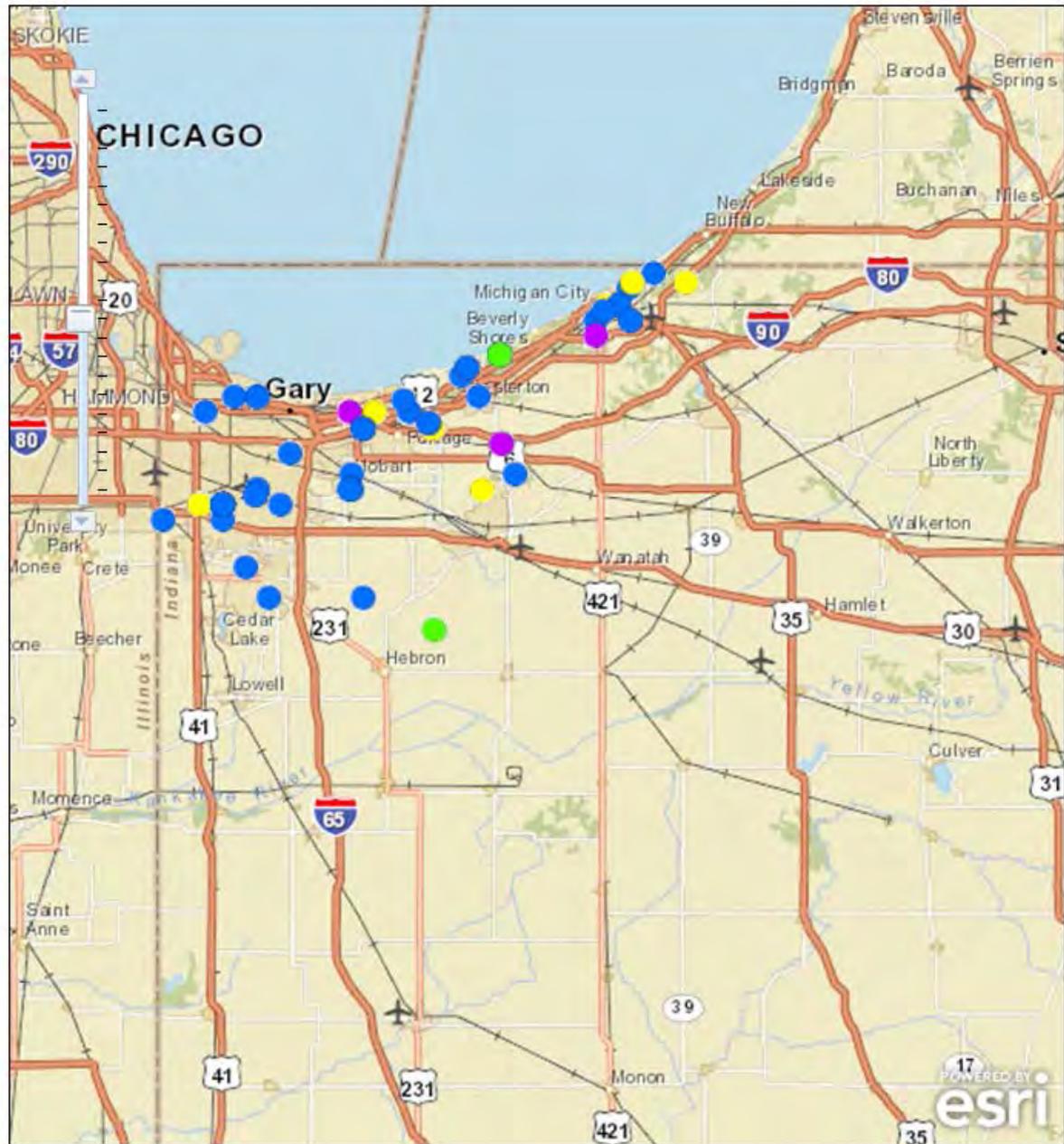
Tips

Drag the map in any direction to pan.

Hold the shift key and left mouse button to select an area to magnify.

Click on a site (circle) to view details.

Print Map



- Applied Research
- Education/ Outreach
- Land Acquisition
- Low Cost Construction
- Planning/
- Coordination/ Management

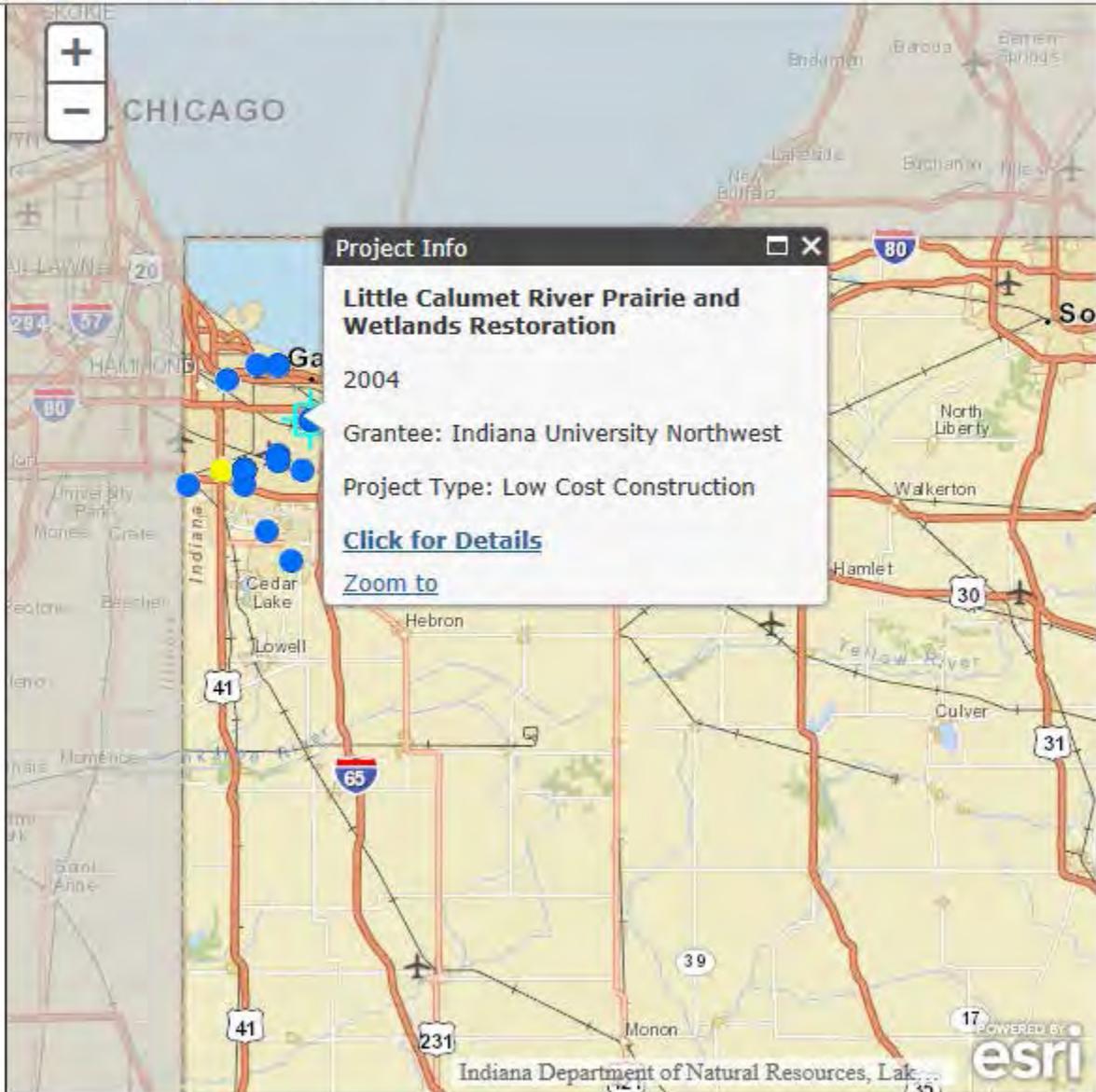
Tips

Drag the map in any direction to pan.

Hold the shift key and left mouse button to select an area to magnify.

Click on a site (circle) to view details.

Print Map



DNR HOME

ILMCP

- Advisory Board
- Lake Michigan Coastal Program Grants
- Coastal Issues
- Current News
- Federal Consistency
- Links
- Programs Information
- Program Reports
- Publications
- Shoreline Newsletter



GRANT FACT SHEETS

As grant projects are completed, a fact sheet is created after conducting site visitations and contacting grantees.

The following fact sheets are a sample of the different grant project categories (Land Acquisition, Applied Research, Planning/Coordination/Management, Low Cost Construction, and Education/Outreach, as well as a selection from 2003 to 2010 to display the diverse project locations and content. Fact sheets are in PDF format.

- [8th and Dickson Public Access to Trail Creek](#)
- [Appleton Acquisition at Oak Ridge Prairie](#)
- [Assessment of Fish Spawning and Nursery Habitat in Lake Michigan](#)
- [Beaver Dam Wetland Restoration](#)
- [Beach Erosion Research](#)
- [Bur Oak Savanna St. Sava Tract](#)
- [Calumet Prairie Invasive Shrub Control](#)
- [Calumet Prairie Typha Control](#)
- [Calumet Prairie Woody Plant Control](#)
- [Clark and Pine East Dune and Swale Restoration](#)
- [Clark and Pine East Phragmites Control](#)
- [Coffee Creek Watershed Coordinator](#)
- [Coffee Creek Watershed Management Plan](#)
- [Cowles Bog Native Species Establishment](#)
- [Cressmoor Prairie Natural Area Restoration](#)
- [Cressmoor Prairie Woody Invasive Control](#)
- [Demonstration of Oak Savanna Restoration in Disturbed Sand Dune](#)
- [Derby Ditch Hydrology Analysis](#)

Online Services

- Purchase
- Obtain Inform
- Check
- Register
- Buy a
- Purchase
- Reprim
- Buy a
- Spons
- Tourna

MORE SUBS

Top

1. Can I visitin
2. Where sites i
3. What dates'
4. Where with a endan

GRANT RECIPIENT
LAKE COUNTY PARKS AND
RECREATION DEPARTMENT

YEAR
2009

COUNTY
LAKE

CATEGORY
NATURAL AREA
RESTORATION/ENHANCEMENT

GRANT AWARD
\$20,000

LOCAL SHARE
\$20,000



FOR MORE INFORMATION
Lake Michigan Coastal Program
1600 N 25 E
Chesterton, IN 46304
(219) 983-9912
www.in.gov/dnr/lakemich

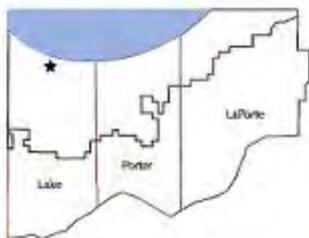
DNR



Gibson Woods Nature Preserve

The Gibson Woods Nature Preserve is a state-dedicated nature preserve within Lake County, which protects the very rare dune and swale topography formed thousands of years ago during the retreat of Lake Chicago. Ecological communities found here include: dry-mesic sand savanna with an over story of black oak and under story of bracken fern, mesic sand prairie dominated by big bluestem and tall coreopsis; and wet-mesic forest dominated by pin oak and speckled alder. The Lake County Parks Department has been actively restoring and maintaining the high-quality natural features of Gibson Woods Nature Preserve.

This natural area restoration and enhancement project has improved the black oak savanna and prairie plant communities by controlling invasive, woody plant species including exotic and aggressive native shrubs and trees. The project treatment area has ultimately restored approximately 10 acres of dune and swale topography. The management practices incorporated a combination of utilizing mechanical equipment with some delicate hand treatment restoration methods. Invasive shrubs and trees that were cut by hand were hauled out of the treatment area to improve restoration results.



RESULT: Improved 10 acres of black oak savanna and prairie plant communities through invasive and aggressive native plant management.

GRANT RECIPIENT
DNR DIVISION OF NATURE
PRESERVES

YEAR
2005

COUNTY
LAKE

CATEGORY
NATURAL AREA
RESTORATION

GRANT AWARD
\$25,000

LOCAL SHARE
\$25,000



FOR MORE INFORMATION
Lake Michigan Coastal Program
1600 N 25 E
Chesterton, IN 46304
(219) 983-9912
www.in.gov/dnr/lakemich

DNR

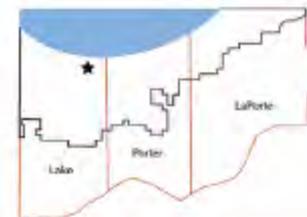


Clark and Pine East Dune and Swale Restoration

The Indiana Department of Natural Resources Division of Nature Preserves is dedicated to the active management and restoration of Clark and Pine East, located in Lake County, Indiana. This property is approximately 258 acres and it contains a mixture of globally rare dune and swale topography, sand-mined areas, two ponds and several hundred feet of frontage on the Grand Calumet River.

Clark and Pine East provides habitat for numerous state listed plant and animal species and consists of sand savanna, sand prairie, wet prairie, sedge meadow, emergent marsh, and shrub swamp plant communities. This project included the restoration of a portion of the rare dune and swale community by removing exotic, invasive, non-native plant species from 30 acres of the property.

The approach in this project was to control a select, targeted suite of exotic, invasive, and non-native woody plant species. The result was a 90% reduction of these species within the project area. Today, the 30-acre project site is largely free of exotic, invasive, non-native plant species, thereby allowing native plant species to thrive with little competition.



RESULT: reduced invasive plants by 90% on 30 acres of rare dune and swale habitat.

Other initiatives

- ▣ Great Lakes CMP Grant Managers monthly call
- ▣ South Shore Funders
- ▣ LMCP Grants Referral Service

What can CAB members do?

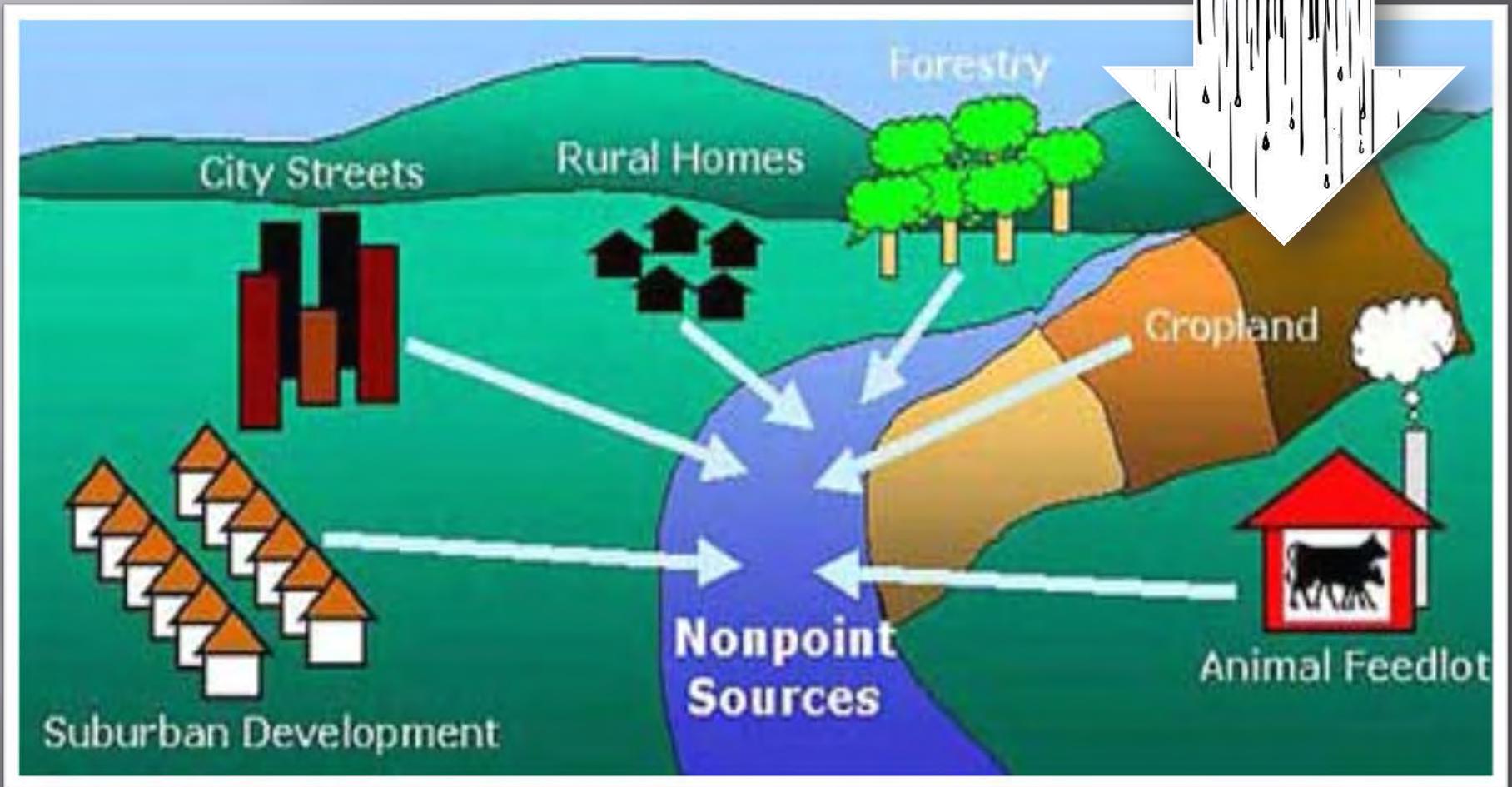
- ◉ Join the Grants Committee
- ◉ Review project proposals, even if you can't commit to being on the committee
- ◉ Advise colleagues
- ◉ Suggest priorities for June priority setting meeting
- ◉ Attend grant workshops to learn more about the grants program
- ◉ Make suggestions to improve the grants program



INDIANA LAKE MICHIGAN COASTAL PROGRAM

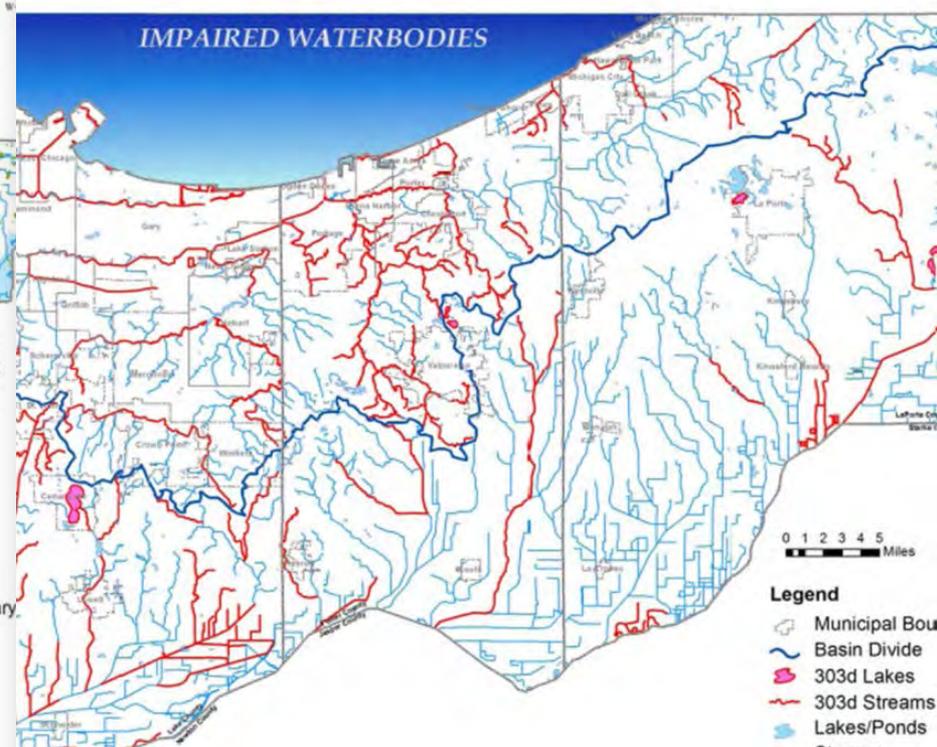
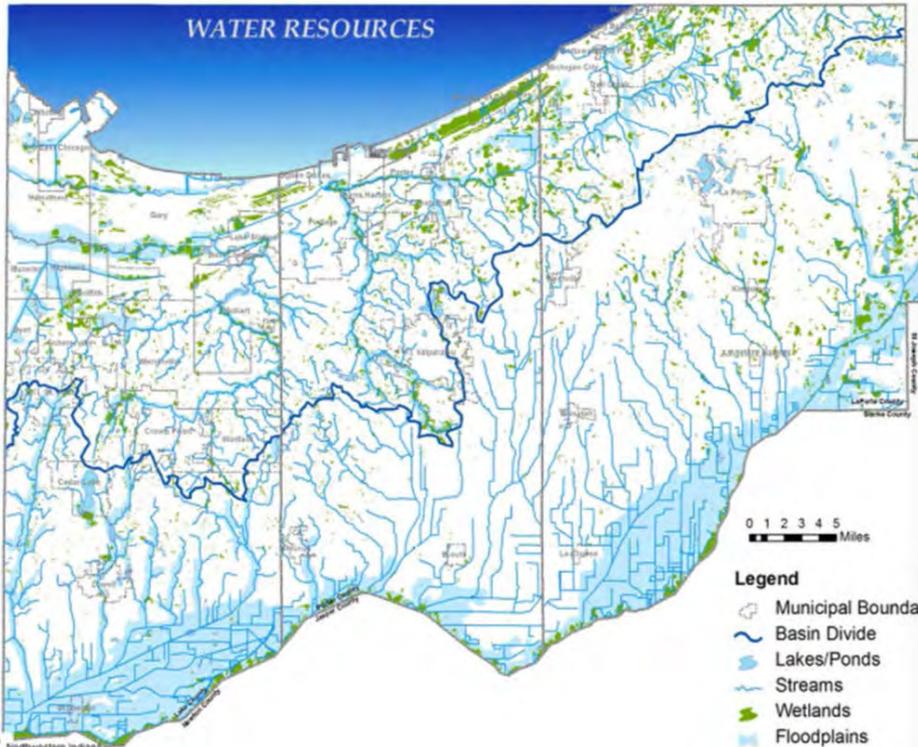
**Dorreen Carey – Special Projects/Nonpoint Source
Program Coordinator**

Nonpoint Source Pollution



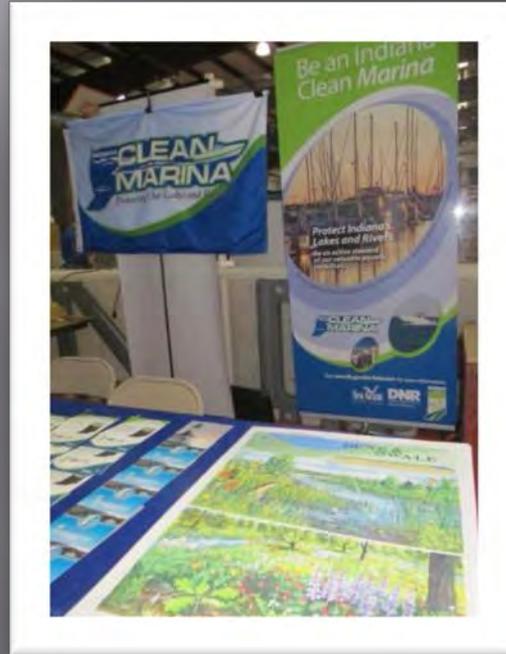
For the Coastal Tributaries Nonpoint or Surface Water Runoff may be the main source of water pollution

Lake Michigan Watershed & Impaired Tributaries



NPS Coordination & Technical Assistance

- IDEM 319 & Coastal 6217
- Lake Michigan Watersheds/Storm Water Districts
- Clean Marinas
- Septic System Work Group
- Lake Michigan Program Coordination (LAMP/Rap, NIRPC, Urban Waters, IDEM Watersheds, Coastal Program)



What is the Indiana Rural Assistance Program (RCAP)?

How can RCAP Help NW Indiana Communities?

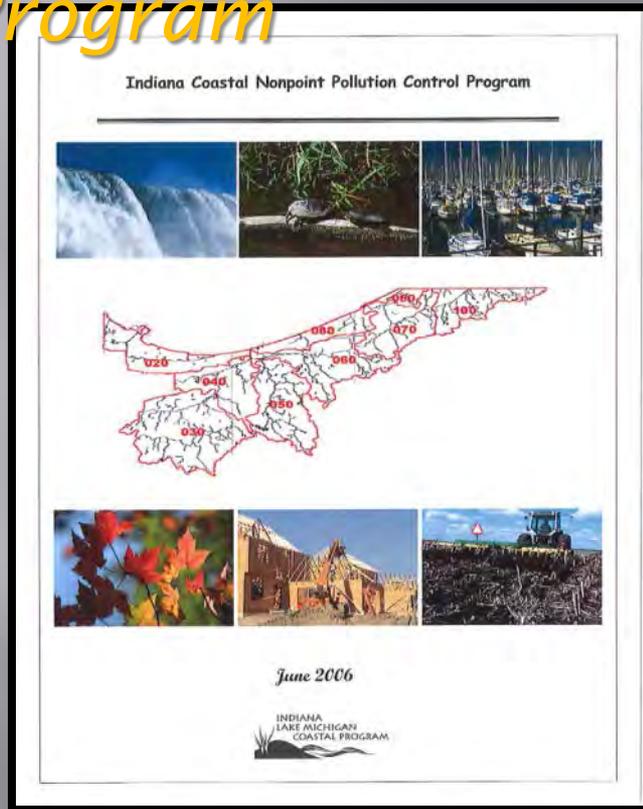
Technical Assistance for Drinking Water, Wastewater, Solid Waste, Community Development

- Assist Unsewered Communities
- Well and Surface Water Tests
- Project Development
- Find Funding

You are invited to attend a Presentation on RCAP by Michael H. Novac Senior Rural Development Specialist/RCAP
Sponsored by the NW Indiana Septic System Coordination Work Group - 219.925.9653

Friday, February 28, 2014, 10 am - 12 noon
NIRPC Auditorium
6100 Southport Road, Portage, Indiana 46368

Section 6217 Coastal Nonpoint Pollution Control Program

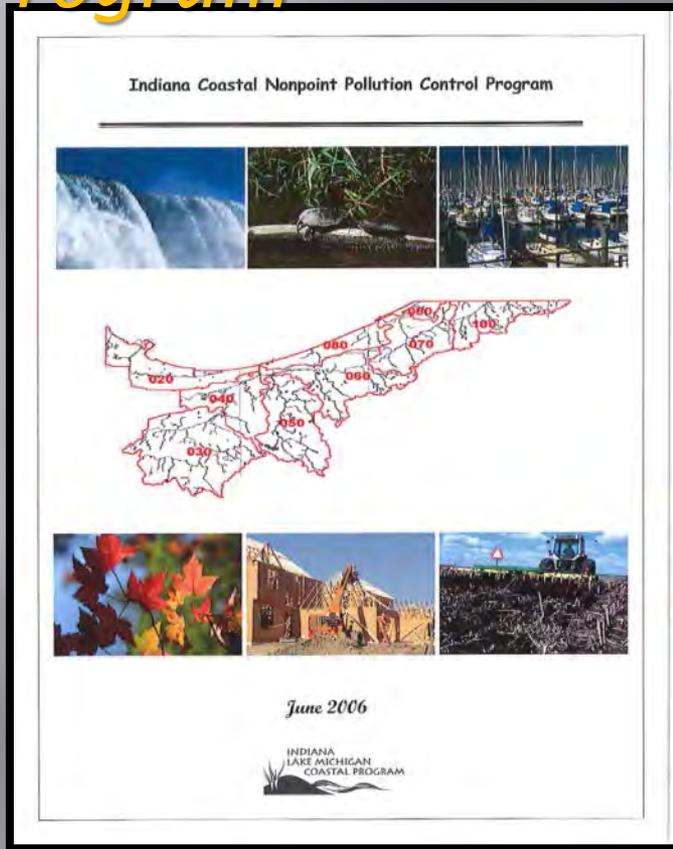


Purpose : To develop and implement management measures for nonpoint source pollution to restore and protect coastal waters...

This will be accomplished by coordinating efforts with identified partners and utilizing existing programs, laws, and statutes.

As part of the Coastal Zone Act Reauthorization Amendments of 1990 (CZARA), Congress created a stand-alone provision, Section 6217, which requires that states and territories with approved coastal zone management programs develop a coastal nonpoint source pollution control program to address water quality impairment of coastal waters.

Section 6217 Coastal Nonpoint Pollution Control Program

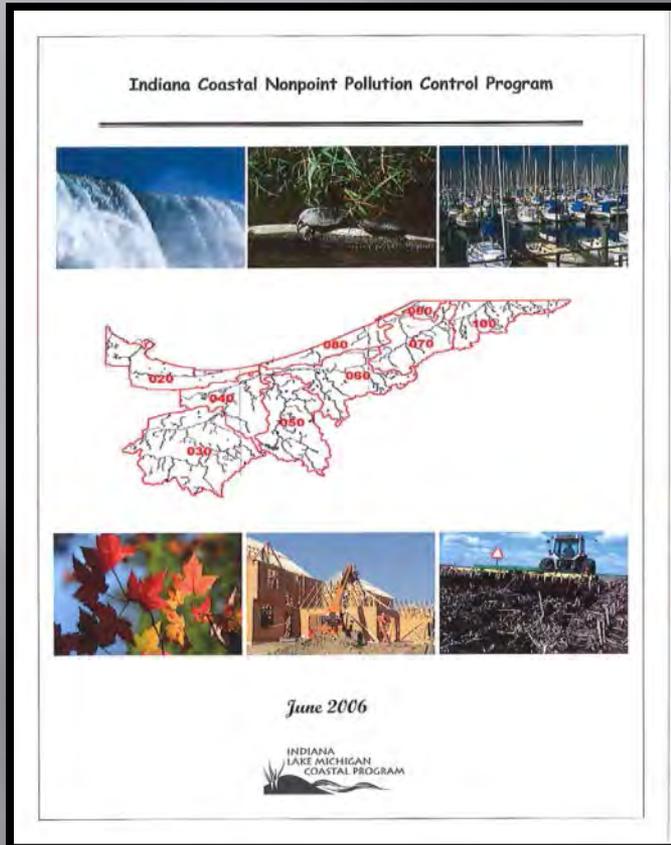


The six Nonpoint Source Pollution categories are:

- Agriculture
- Forestry (Indiana Exempt)
- Urban and Rural Areas
- Marinas
- Hydromodification
- Wetlands, Riparian Areas & Vegetated Treatment Systems

The Indiana 6217 Program was submitted to EPA/NOAA in 2005 and conditionally approved by in 2007

Section 6217 Coastal Nonpoint Pollution Control Program



5 Remaining Unapproved Measures:

- Pesticide Management
- Livestock Grazing
- Operating Septic Systems
- Protection of Wetlands & Riparian Areas
- Demonstrate Link between Enforcing & Implementing Agencies.

Focus Areas 2015 - Demonstrate how existing Indiana programs tie into the requirements of specific 6217(g) agriculture management measures



Pesticide Management

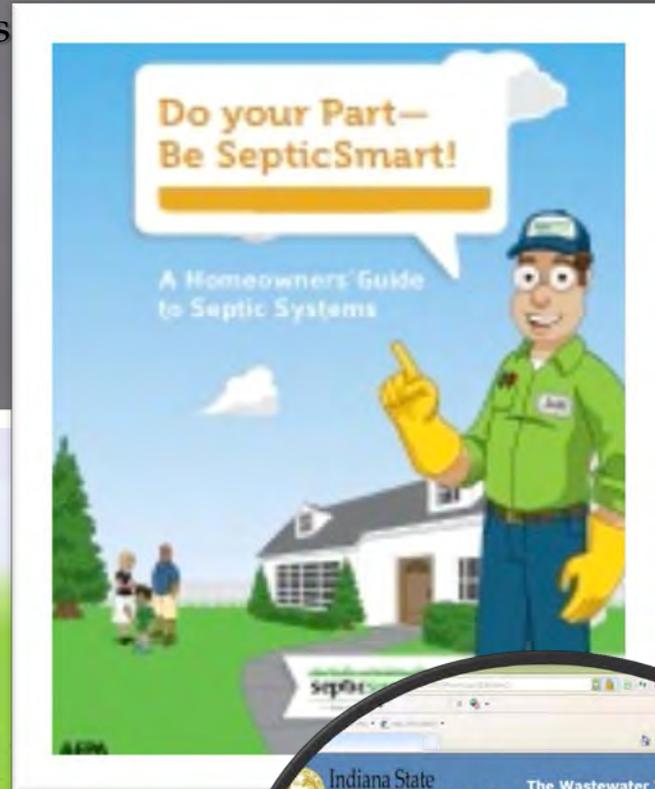
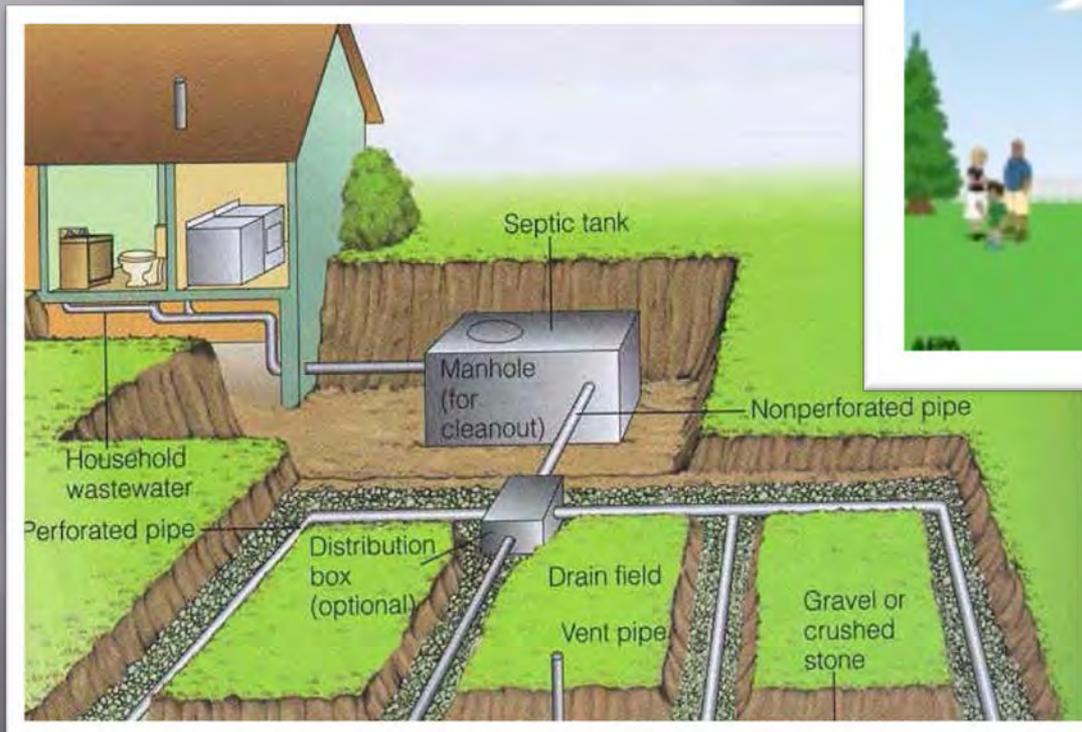


Livestock Grazing

Work with Indiana Conservation Partnership, Local Farm & Watershed Groups, IDEM

Operating Septic System Inspection Program

- Work with local partners and Communities
- Conduct Focus Groups
 - Septic Owners
 - Decision Makers
 - Realtors
- Map Septic Areas/Promote Database
- Promote Septic Smart Program

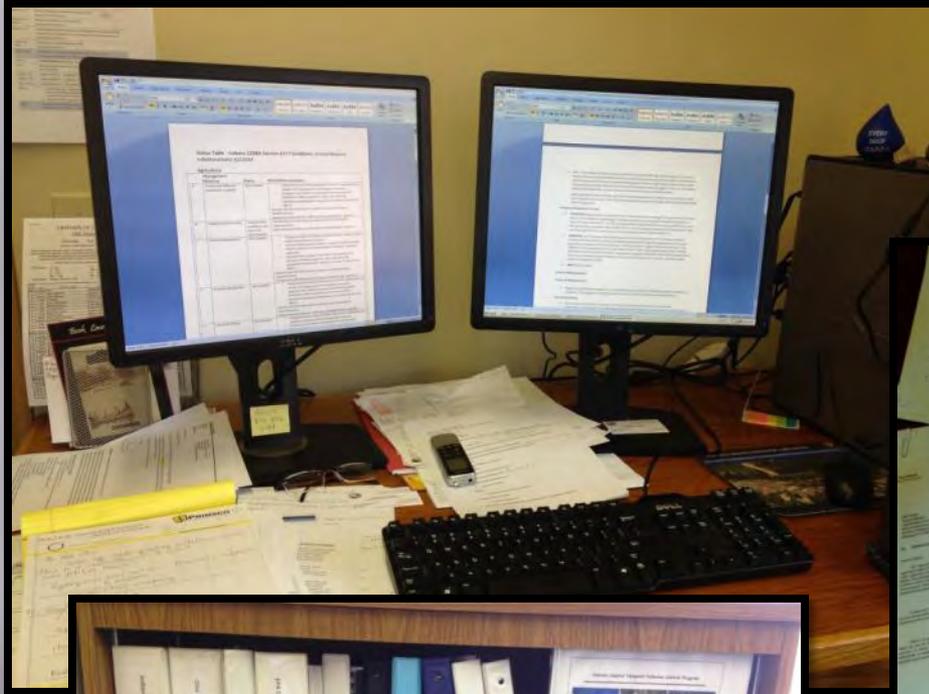


Protection of Wetlands and Riparian areas



The DNR, EPA Region 5, and the IDEM will coordinate to provide this response

A Day at the Office can Look Like This...



...But we can always step out & tend the rain garden/bio-swale for a break



ECOLOGICAL & STEWARDSHIP OVERVIEW

Derek A. Nimetz

Ecological & Stewardship Overview

- ▣ Public Outreach
- ▣ Rare Plant Monitoring
- ▣ Conservation Planning
- ▣ Natural Area Restoration
- ▣ Nature Preserve Management
- ▣ Site Inspections

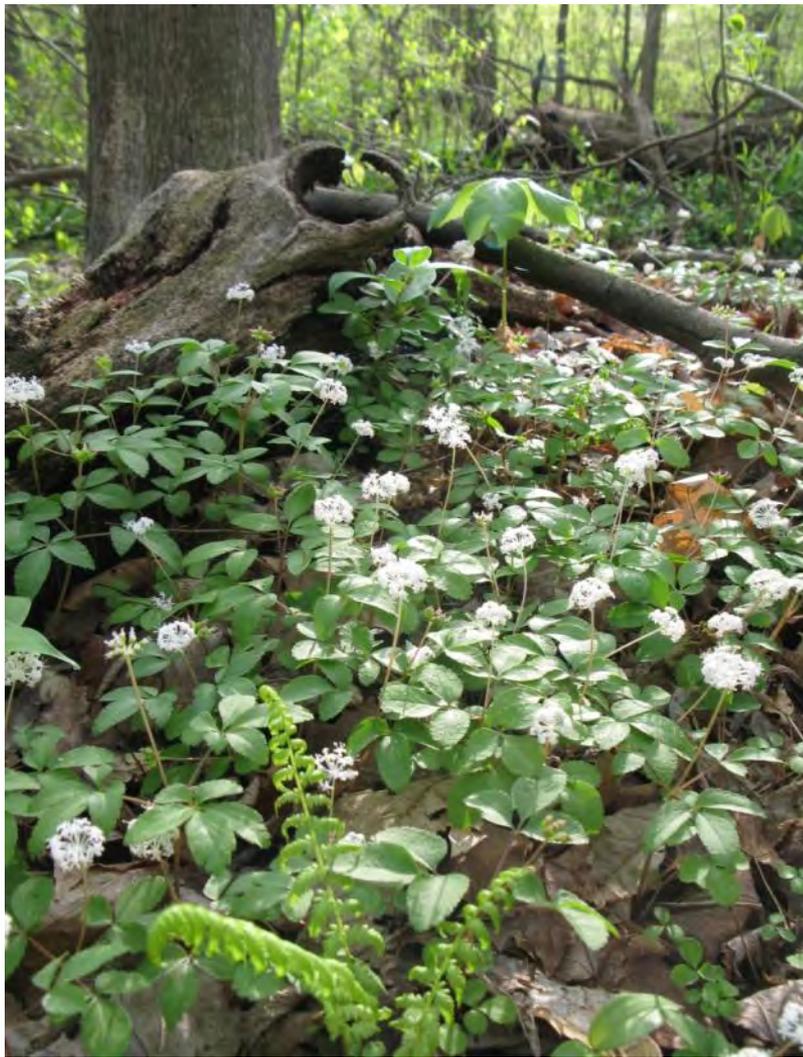
Public Outreach



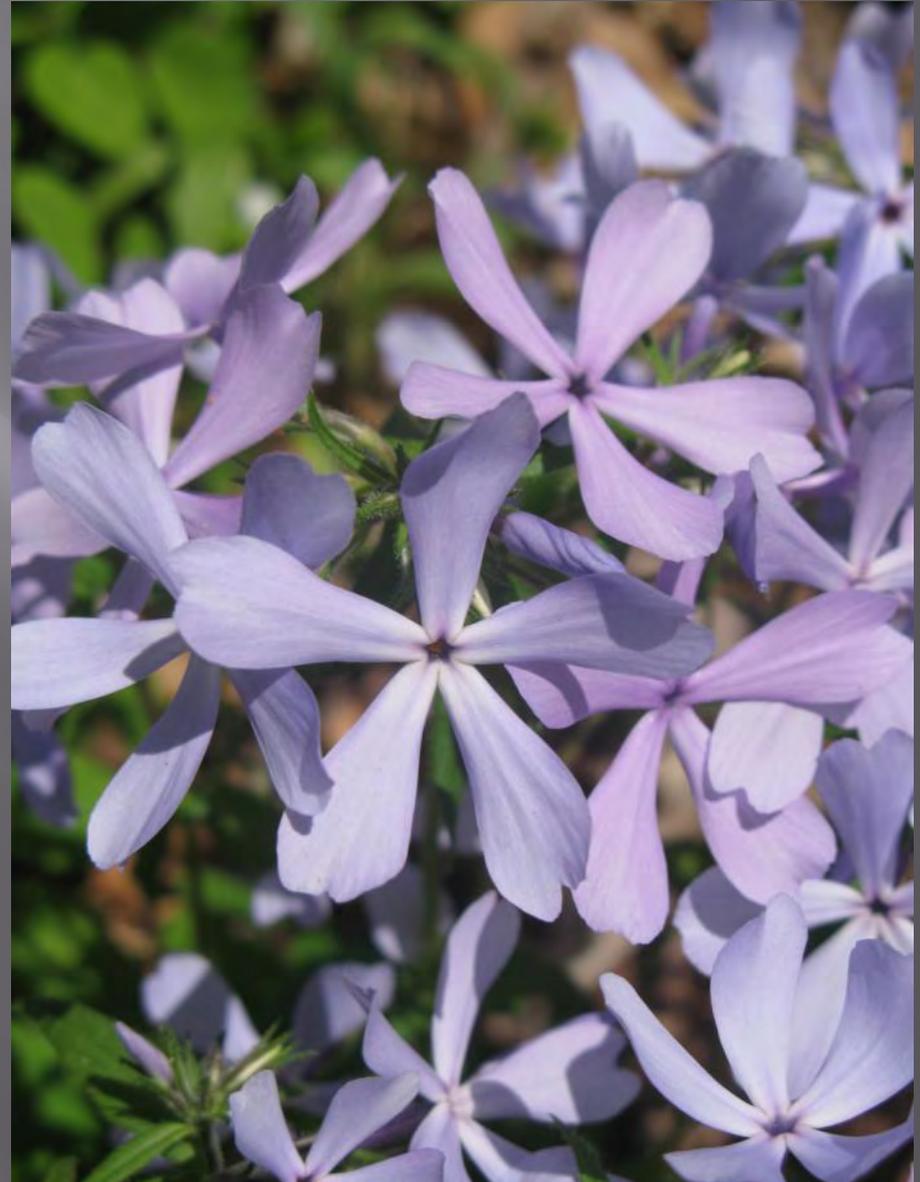
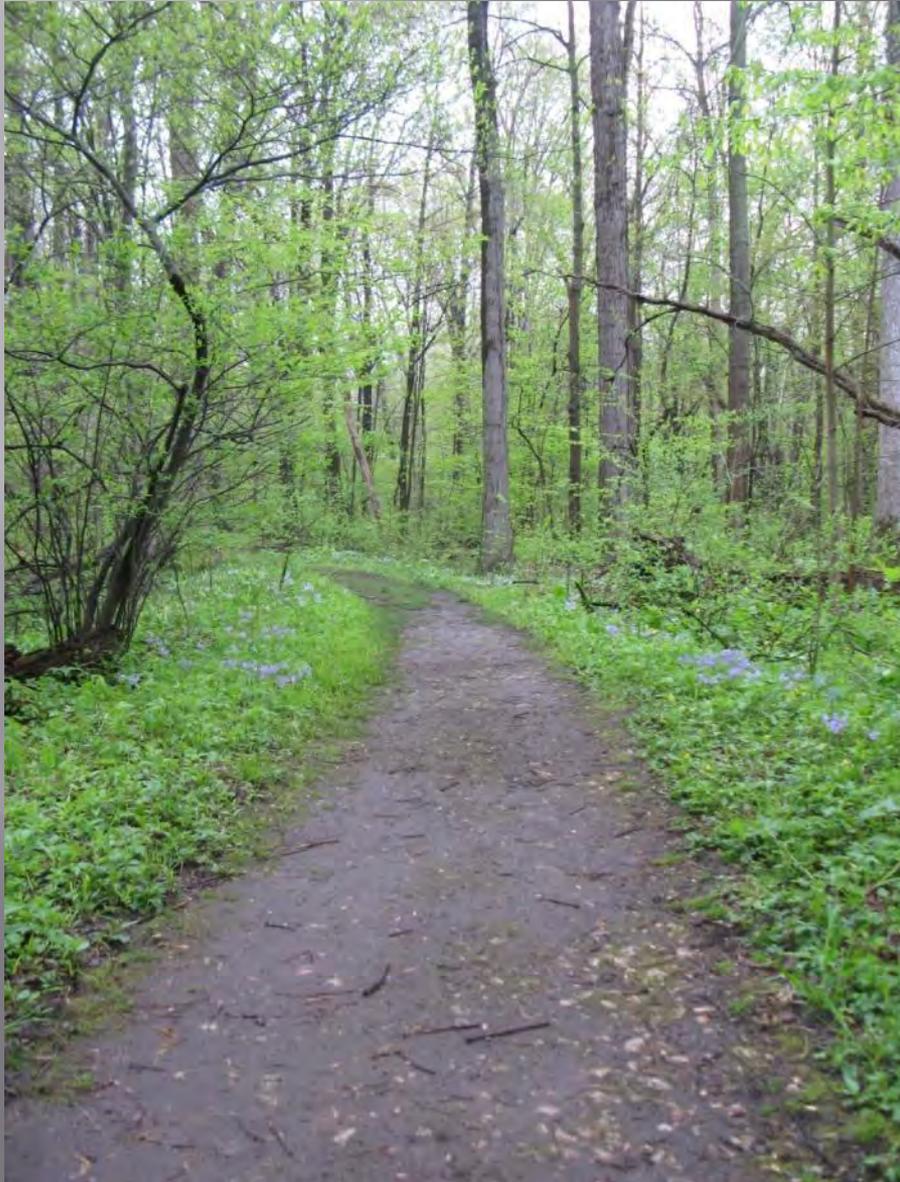
Nature Preserve Field Days



Dunes Nature Preserve Hike



DUNES NATURE PRESERVE HIKE



NATIVE LANDSCAPING ALTERNATIVES TO INVASIVE PLANT SPECIES



Rare Plant Monitoring



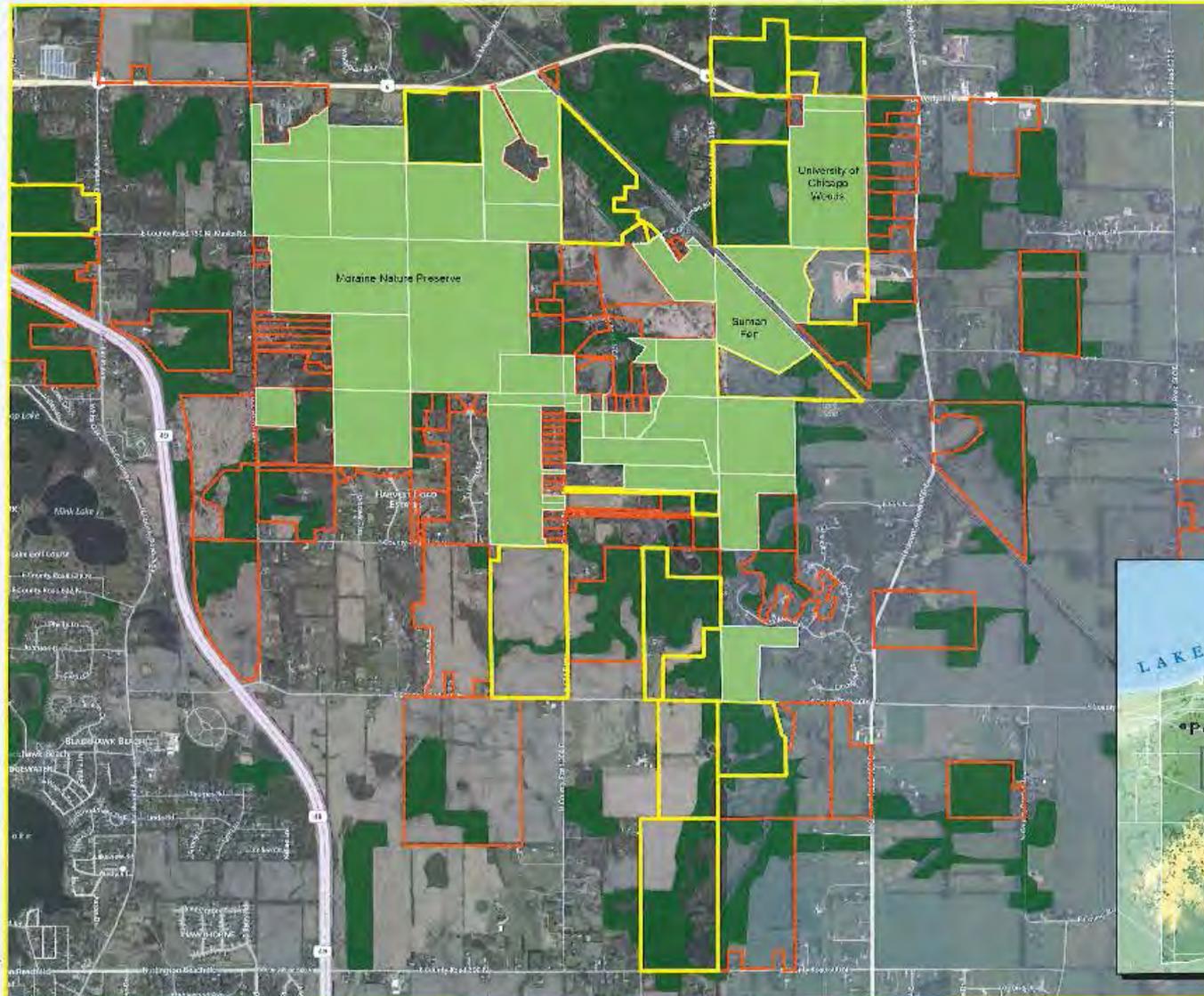
Rare Plant Monitoring



Rare Plant Monitoring



MORaine FOREST PRESERVATION PROJECT 2010 COASTAL GRANT



Moraine Nature Preserve Conservation Planning Area

-  Parcels analyzed as having highest conservation potential
-  Parcels analyzed as having particularly valuable conservation potential
-  Remaining forestland of Morainal Region
-  Known managed conservation lands



Titlins at Hildebrand Lake Nature Preserve

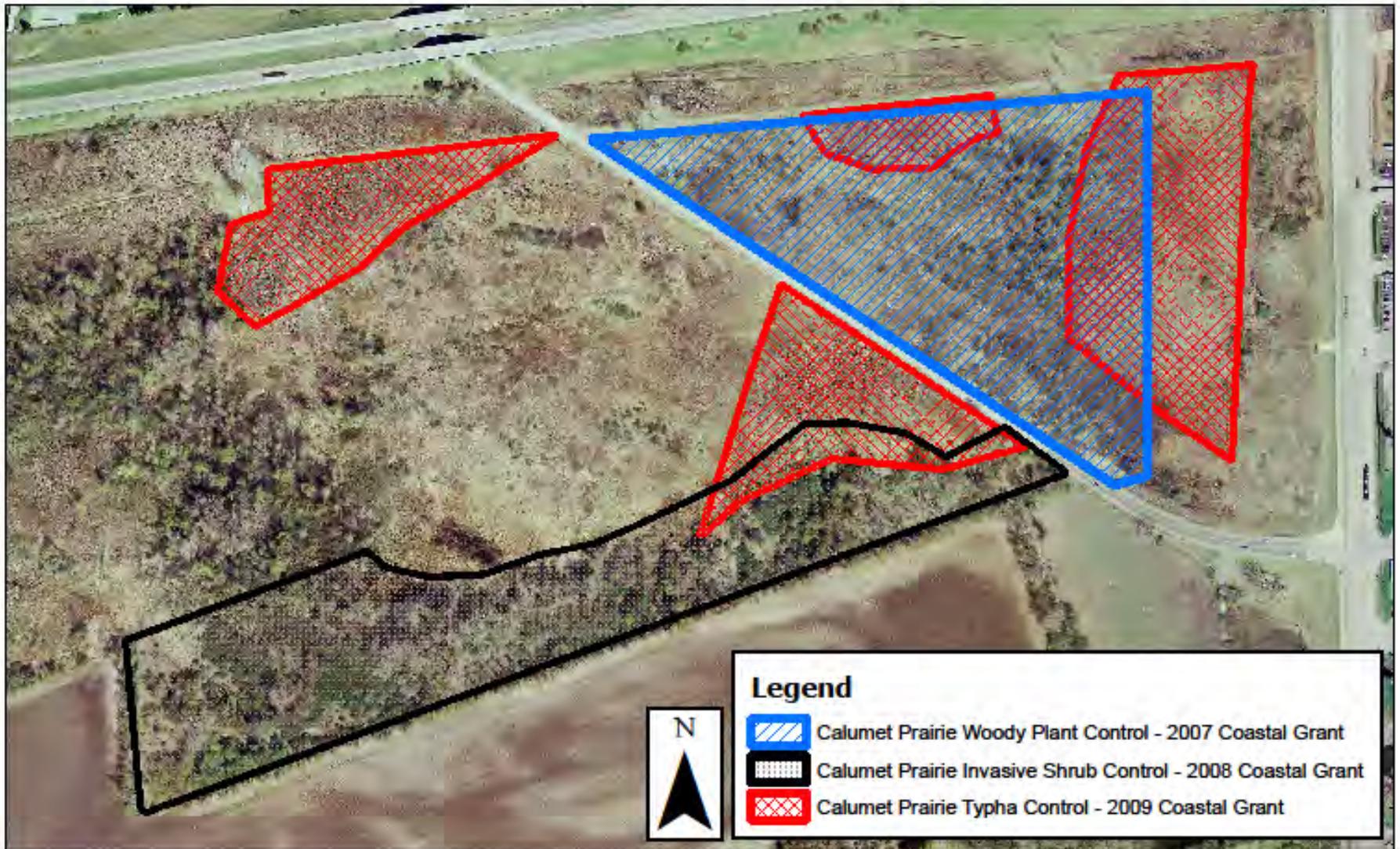


Natural Area Restoration





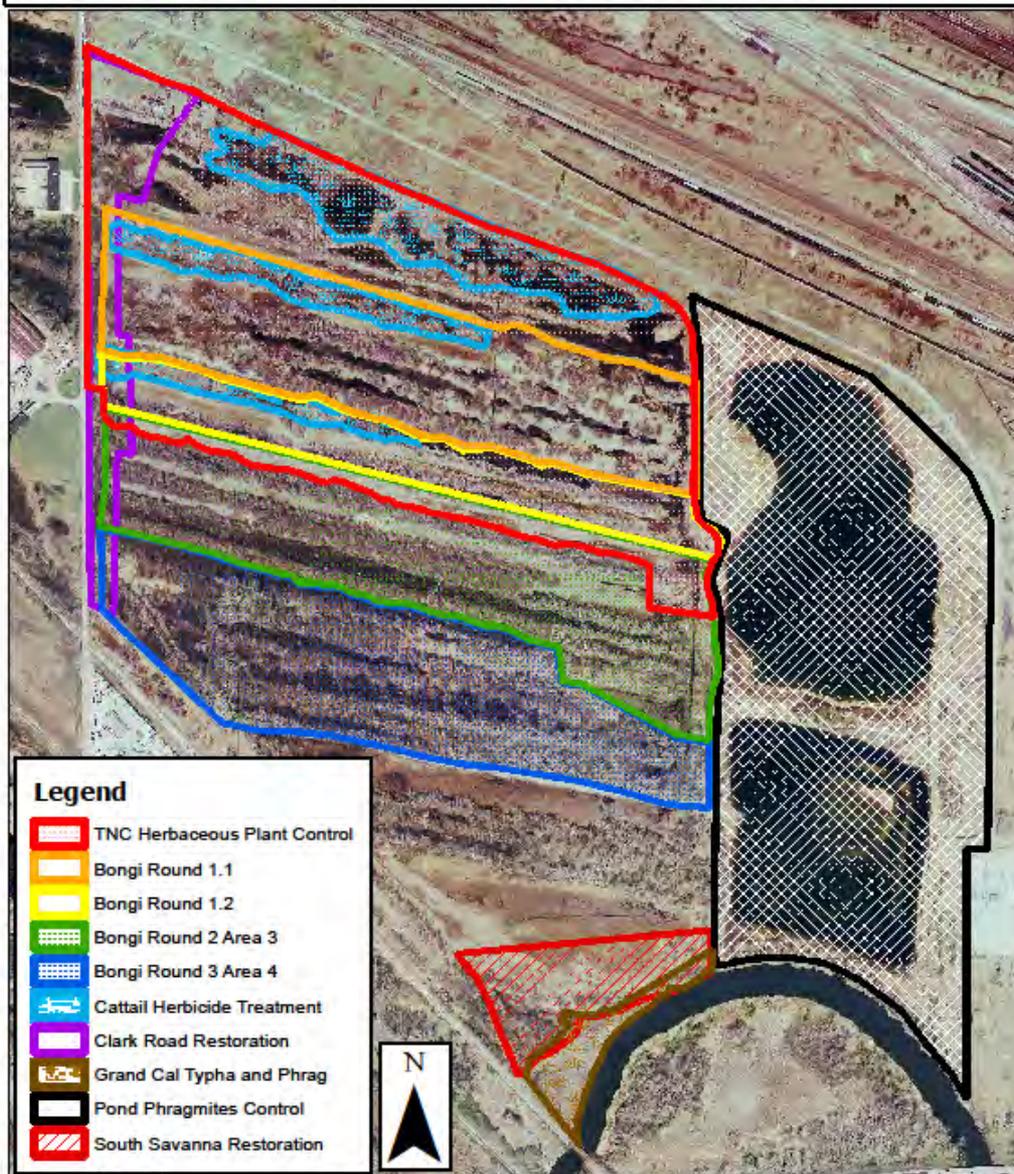
Calumet Prairie Coastal Grant Project Treatment Areas



Derek Alan Nimetz
Indiana Department of Natural Resources
Division of Nature Preserves
December 9, 2006

0 200 400 800 1,200 1,600 2,000 Feet

Pine Station Coastal Grant Treatment Areas



Derek Alan Nimetz
Indiana Department of Natural Resources
Division of Nature Preserves
December 9, 2008

0 200 400 800 1,200 1,600 2,000 Feet

Nature Preserve Management



Nature Preserve Management



Site Inspections



Derek Nimetz

Indiana Department of Natural Resources

Division of Nature Preserves

Indiana Dunes State Park

1600 North 25 East

Chesterton, IN 46304

(219) 928-3997

dnimetz@dnr.in.gov

Coastal Resource Planner

- ▣ Incumbent serves as senior-level environmental manager providing expertise in the areas of developing, coordinating, and implementing plans within respective program areas. Position also provides administrative and technical support to public, state and federal offices and organizations. The Coastal Resource Planner will assist local, regional and state agencies in developing coastal resource plans. In addition, the position will provide technical assistance in accordance with this objective. The Coastal Resource Planner reports to the Coastal Program Manager in the Division of Nature Preserves, and works closely with other Divisions of the Department of Natural Resources.

TAPP

Technical Assistance Planning Program



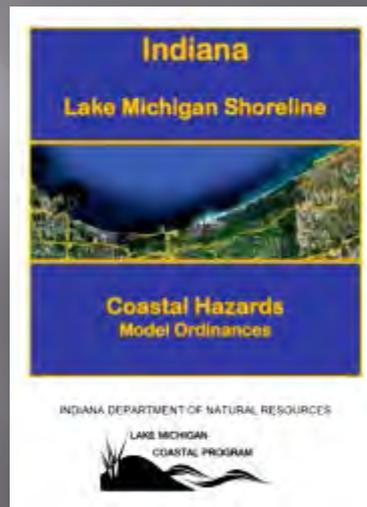
TAPP Plans Library



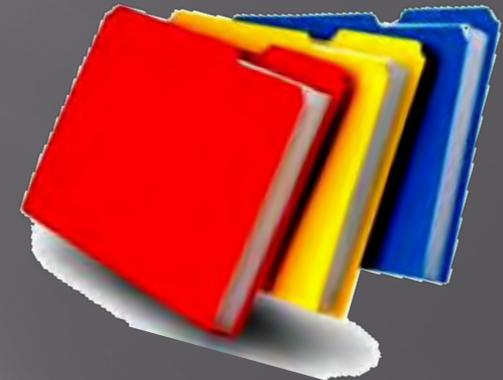
Planning Program Documents



2009
TAPP Toolkit



2010
Coastal Hazards
Model Ordinance



2011
Shoreline Land Use
and Structure
Assessment Files

Project Overview

Statement of work: ...create a GIS database and electronic shoreline inventory of **structures**, **land use**, **shoreline dynamics** and **historic features** landward 1000 feet from where Lake Michigan waters meets the natural or man-made edge....

Washington Park Marina 1987



Washington Park Marina 2013



Washington Park Marina 1987

-  Beach_1987_LMCP
-  Channels_LMCP
-  Marina_1987_LMCP
-  Boat_Ramps_LMCP
-  Sheet_Pilings_LMCP
-  Stone_Toe_LMCP
-  Other_Feature_LMCP
-  Parking_lots_LMCP

Washington Park Marina 2013

-  Beach_2013_LMCP
-  Channels_LMCP
-  Marina_2013_LMCP
-  Boat_Ramps_LMCP
-  Sheet_Pilings_LMCP
-  Stone_Toe_LMCP
-  Other_Feature_LMCP
-  Parking_lots_LMCP

Shoreline Features



OPERATIONS SPECIALIST

Kacey Alexander

Quarterly Financial reports

- ▣ Grantee Start-Up Workshop
- ▣ Receive Quarterly Reports
- ▣ Work with Grantees on any issues
- ▣ Approve and Pay

Grant Agreements

- ▣ Receive and review Grant agreements and amendments
- ▣ Prepare and Send through Signature process

CAB

- ▣ Prepare Meeting Minutes
- ▣ Update Website

- ▣ Kacey Alexander
- ▣ 317-234-3985
- ▣ kalexander@dnr.in.gov

Program Management

Program Manager

Responsible for guiding the Coastal Program appropriately and representing the IDNR on Great Lakes issues where appropriate. Provides overall guidance including policy decisions, programmatic planning and budgeting as well as personnel issues. Position is the link between the state program and Federal program.

NOAA 2015 Grant

Section 309

Section 312

Strategic Planning

CAM

CAB

Shipwreck Work

DNR Financial Reports

CELCP

LaMP / RAP

Ecosystem Poster

Personnel

National / Regional Initiatives





Figure 1: Project Parcel Map

Properties East of Marquette Park:

Exploring options to **Lake Michigan** preserve public access to the lakeshore



Porter County
Parks & Recreation Department



Project Parcels

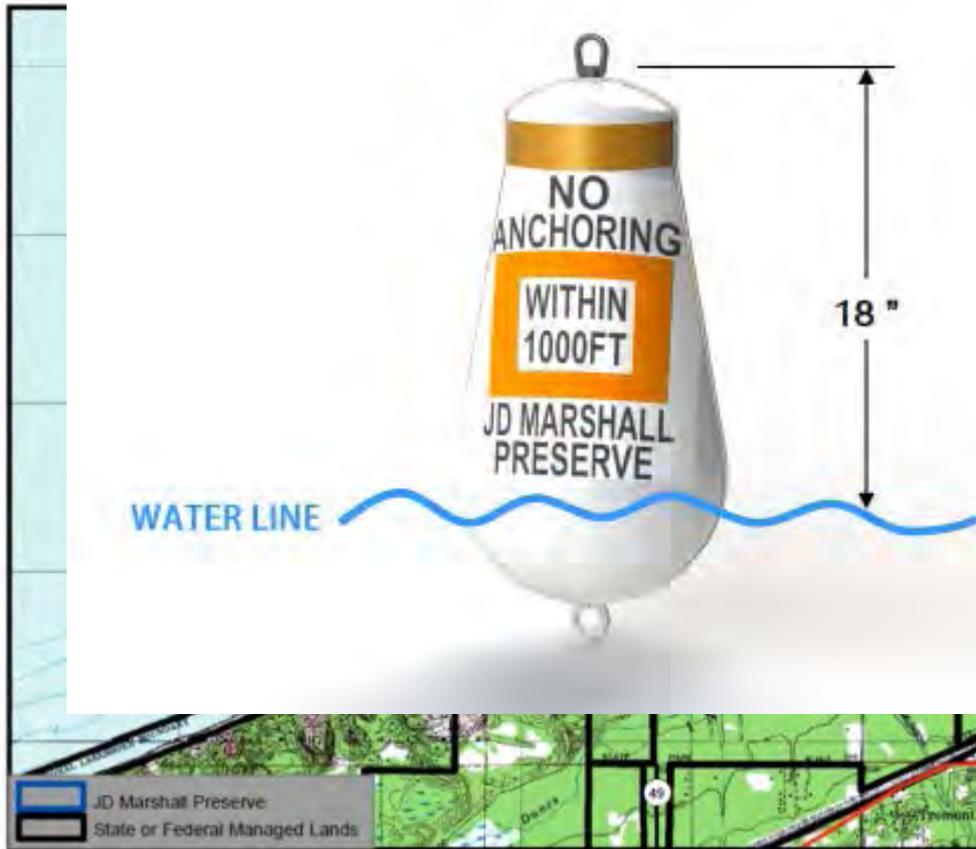
**Miller Neighborhood Parks
Parcels**

Indiana Lake Michigan Underwater Archaeological Resources Project

A CZMA Section 309 Funded project of the DNR Lake Michigan Coastal Program

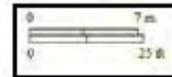
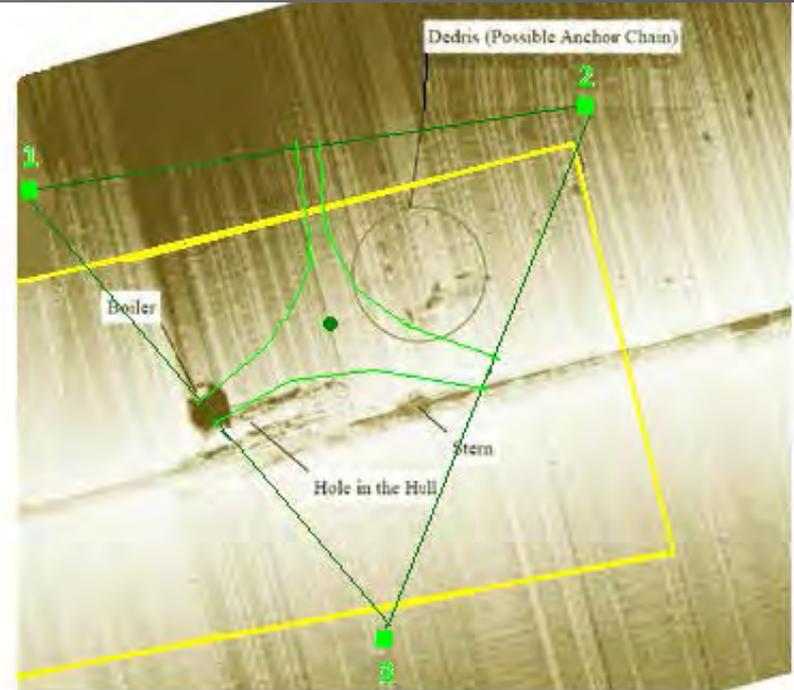
JD Marshall Nature Preserve
County: Porter
Size

Exhibit A
USGS Quad Map:



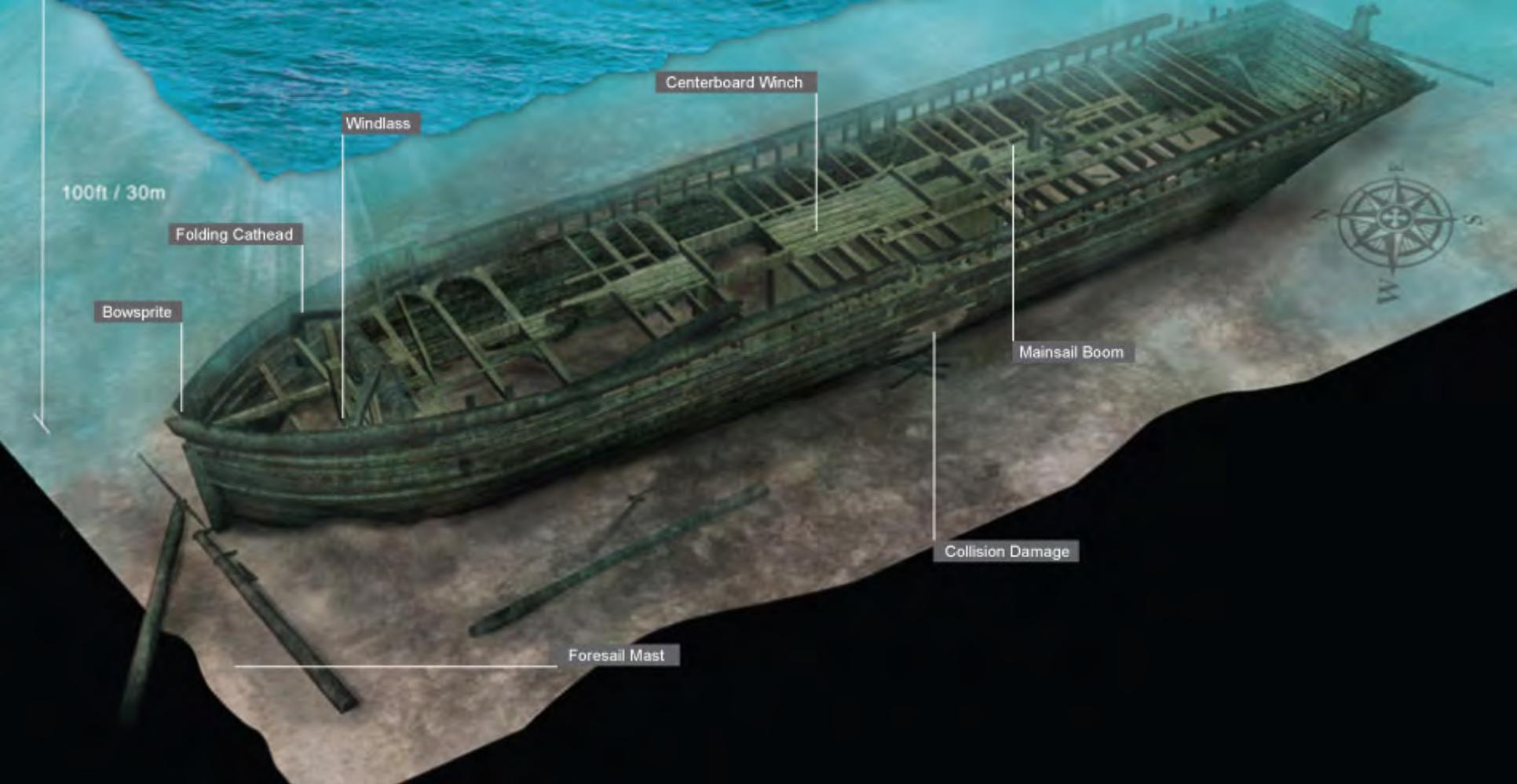
map created by R Wilson IDNR Nature Preserves 8.27.2013

0 0.25 0.5 Miles



- 30 foot avoidance buffer around ship structure
- Possible mooring buoy locations
- 60 foot buffer for boat distance

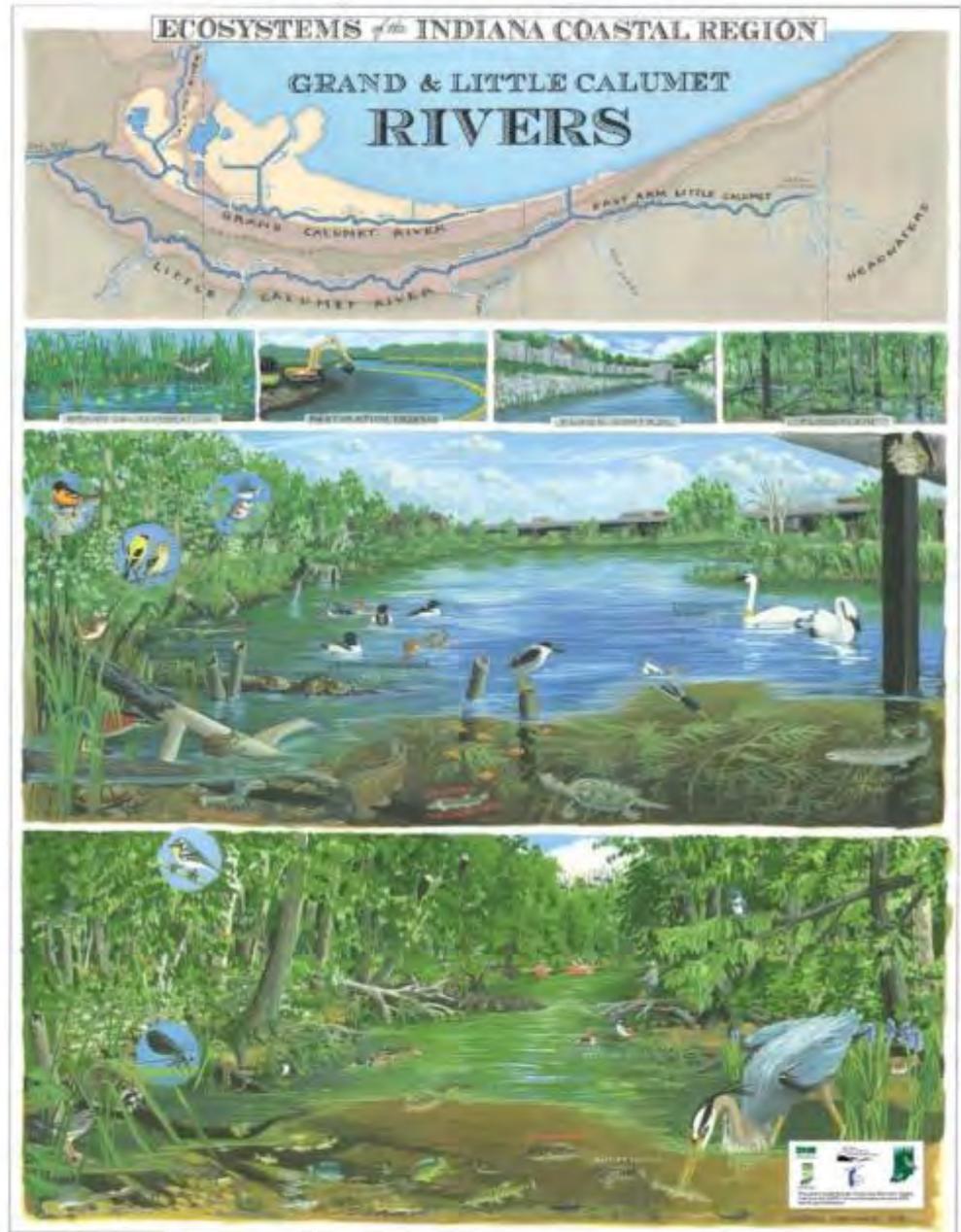
100 feet



<http://fourthelement.com/adventures/wreck-tours/thunder-bay/eb-allen/>

JUNE 2014

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4	5	6	7
			<ul style="list-style-type: none"> Save the Dunes Philanthropint at Figure Eight Brewing 	<ul style="list-style-type: none"> Michigan City's Conference on the Environment Benans Slugs String Band 	<ul style="list-style-type: none"> Benans Slugs String Band 	<ul style="list-style-type: none"> Jemmin with Save the Dunes Glamping Weekend Indiana Dunes State Park Beach The Churches of Edward Dart
8	9	10	11	12	13	14
<ul style="list-style-type: none"> Glamping Weekend 8th Annual Trail Creek Fun Flost 						<ul style="list-style-type: none"> Get Outdoors Day Stewardship Saturday
15	16	17	18	19	20	21
					<ul style="list-style-type: none"> The W.G. Jackson Call to Port 	<ul style="list-style-type: none"> Lake George Paddle Hobart Water Festival Singing Sands Star Show Field Day at Ambler Flatwoods Nature Preserve The W.G. Jackson Call to Port MEWE FEST
22	23	24	25	26	27	28
<ul style="list-style-type: none"> Water The Incredible Journey The W.G. Jackson Call to Port 						<ul style="list-style-type: none"> Gary Clean Water Celebration
29	30					



CAB STRUCTURE / PURPOSE

The DNR will form a stakeholders advisory group to provide input for the Coastal Grants Program. The stakeholders advisory group will consist of representatives from northwest Indiana and will be geographically representative as well as representative of the broad range of interests and experience in the coastal region.

INDIANA LAKE MICHIGAN COASTAL PROGRAM AND FINAL ENVIRONMENTAL IMPACT STATEMENT APRIL 2002 - Page 330

The Coastal Advisory Board provides a public forum for diverse stakeholders to assist with the implementation of the Lake Michigan Coastal Program.

Members of the Coastal Advisory Board shall:

- ▣ Consider regional issues affecting Lake Michigan coastal resources and reflect a balance between preservation, protection, restoration, and when possible, development for this and succeeding generations;
- ▣ Make recommendations to the DNR Director on priorities and guidance for the Coastal Grants Program with the assistance of the Lake Michigan Coastal Program and the general public; and
- ▣ Make recommendations to the DNR Director on nominations for Coastal Areas of Significance.

Stakeholder Categories

Local Government / Citizens:

Lake County City / Town

Porter County City / Town

LaPorte County City or Town

Citizen at Large (ROTATE)

Coastal Land Use:

Local Chamber of Commerce
(ROTATE)

Industry and Business

Tourism

Local Planner (ROTATE)

Environmental Resources:

Environmental Advocacy

Local Parks and Recreation

Indiana Dunes National Lakeshore

Local Natural Resource Management

Other:

Historical/Cultural Resources

Non-Voting Members:

IDEM

NIRPC

US Fish and Wildlife Service

Universities

USDA NRCS

IL IN Sea Grant

US Army Corps

Regional Development Authority

Local Government and Citizens:

Lake County City or Town - Tim Kingsland, City of Hobart

Porter County City or Town - Jeffrey Katz, Town of Beverly Shores

LaPorte County City or Town - Frank Seilheimer, City of Michigan City, Forester
Citizen at Large (Lake County) - Richard Morrisroe

Coastal Land Use:

Local Chamber of Commerce (LaPorte County) - Kenneth Purze

Industry and Business - Dan Plath, Nisource Corporate Services

Tourism - Christine Livingston, Porter County Convention Recreation Visitor Council

Local Planner (Porter County) - Vacant

Environmental Resources:

Environmental Advocacy - Nicole Barker, Save the Dunes

Local Parks and Recreation - Shannon Eason, Michigan City Parks Department

Indiana Dunes National Lakeshore - Kim Swift, Education Programs Manager

Local Natural Resource Management - Paul Labus, The Nature Conservancy

Other:

Historical/Cultural Resources - Tiffany Tolbert, Calumet Region - Historical Landmarks
Foundation of Indiana

Non-Voting Members:

IN Dept of Environmental Management - Ashley Snyder, LaMP / RAP Coordinator

NIRPC - Kathy Luther, Environmental Director

US Fish and Wildlife Service - Elizabeth McCloskey

Universities - Young Choi

USDA NRCS - Vacant

IL IN Sea Grant - Leslie Dorworth

US Army Corps - Joel Schmidt

Regional Development Authority - Jill Huber, Grants Manager

US EPA - Thomas Davenport

2014 - 2015 Meeting Dates and Locations

- ▣ **April 15, 2015** – CAB Orientation/Informational Meeting – Michigan City Hall – 9AM CDT
- ▣ **June 17, 2015** – Porter County – NIRPC – 6:30 PM CT
 - Process Meeting - Coastal Grant Priority/Public Input
- ▣ **August 12, 2015** – LaPorte County – 10:00 AM CT
 - Informational Meeting
- ▣ **October 14, 2015** – Lake County – 6:30 PM CT
 - Process Meeting - Coastal Grant Pre-Proposal Review
- ▣ **December 16, 2015** – Porter County – 10:00 AM CT
 - Informational Meeting
 - Coastal Year in Review
- ▣ **February 17, 2016** – LaPorte County – 10:00 AM CT
 - Informational Meeting
 - Call for New CAB Members

Committees

- Grants
- Outreach / Education
- CELCP / Habitat
- Nonpoint / Septic
- TAPP

Grants Committee

Outreach Committee

The purpose of the Education and Outreach Committee is to grow the public awareness of the Coastal Program through focused planning and outreach.

- ❑ Duties and functions:
- ❑ Promote Coastal Awareness Month
- ❑ Promote specific components of the LMCP
- ❑ Develop target audience specific outreach and education materials
- ❑ Leverage promotional opportunities with partner groups and stakeholders
- ❑ Coordinate with other State, Regional, Local entities (EMPC, CARE, etc)
- ❑ Coordinate with other LMCP CAB Committees

Habitat / CELCP Committee

- ▣ The CELCP Committee meets as needed to review project proposals and provide input to the State CELCP plan. The Committee scores project proposals and makes recommendation to the LMCP regarding projects to submit to the NOAA competitive process.
- ▣ CELCP Program changes provide opportunity for growth

Septic Workgroup

- ▣ Multi stakeholder group initiative
- ▣ Working to meet NOAA/EPA requirements for Septic systems

Planning Committee

- ▣ The primary function of the LMCP/CAB Planning Committee is to advise and provide recommendations on:
- ▣ Planning grant applications to the Grants Review Committee
- ▣ Planning/Coordination/Management category priorities
- ▣ LMCP planning projects
- ▣ Partnerships, action/implementation plans
- ▣ Local and Regional project ideas and diagnostic studies

Grants Priorities

LMCP June Meeting used for Public Input

Board votes to set Priorities for Coastal Grants

OFFICERS

Officer Responsibilities

Chair:

- ❑ Ensures the effective action of the Coastal Advisory Board;
- ❑ Develops agendas for meetings in concert with the DNR LMCP;
- ❑ Presides at board meetings;
- ❑ Recommends to the Board which, if any, committees are to be established. Seeks volunteers for committees and coordinates individual board member assignments. Makes sure each committee has a chairperson, and stays in touch with chairpersons to be sure that their work is carried out; identifies committee recommendations that should be presented to the full board;
- ❑ Determines whether special Board meetings are necessary and convenes the Board accordingly; and
- ❑ Ensures that board matters are handled properly, including preparation of pre-meeting materials, committee functioning, and coordination with DNR LMCP.

Vice Chair:

- ❑ Serves as the Chair, in the Chair's absence;
- ❑ Assists the Chair in Board operation

Secretary

- ❑ Serves as the Chair, in the Chair and Vice-Chair's absence;
- ❑ Assists the Chair in Board meeting procedures;
- ❑ Takes attendance at every CAB meeting to determine if quorum has been met;
- ❑ Ensures that the meetings are properly recorded and minutes are distributed.

Questions...

