

# **SAGINAW BAY INVASIVE SPECIES SUMMER CAMP**

## **VISION:**

Bring together high school students to learn about invasive species management within the Saginaw Bay Watershed.

## **OBJECTIVES:**

- Learn to identify the following invasive species: European frog-bit, autumn olive, invasive phragmites, flowering rush, common & glossy buckthorn, Japanese knotweed, Japanese barberry, multi-flora rose.
- Understand the importance of decontamination and how it is done.
- Have a working knowledge of the Midwest Invasive Species Information Network (MISIN).
- Understand the importance of biodiversity and the impact of invasive species.
- Understand how water quality is impacted by invasive species.
- Use critical thinking skills to put together an invasive species management plan.
- Use social media to promote invasive species management.
- Conduct field work to manually manage invasive species.
- Understand the watershed concept and how it applies to invasive species management.
- Develop positive relationship with peers and professionals in the field.
- Successfully tent camp and prepare rustic meals.
- Understand modern technologies and how they can assist in management (i.e. drones).
- Work with the media to promote invasive species management.
- Volunteer at the Bay City State Recreation Area and Chippewa Nature Center.
- Expand knowledge of science, technology, engineering and mathematics (STEM).

## **TARGET AUDIENCE:**

10-15 high school aged students from within the Saginaw Bay Watershed.

## **DATES:**

July 17 – 20, 2017

## **CAMP LOCATIONS:**

Bay City State Recreation Area  
Chippewa Nature Center

## **LODGING LOCATION:**

Bay City State Recreation Area – Group Campground (student will tent camp)

## **EMERGENCY LODGING LOCATION:**

Bay City State Recreation Area Visitor's Center

## TRANSPORTATION:

Transportation to and from camp will be provide to all students in need.  
Transportation during camp for students will be done by chaperones.

## DRAFT AGENDA:

### **Monday July 17**

Arrival (11 AM- 12 PM?)

12:00 Introductions and Icebreakers – Various Staff

1:00 Pitch Tents

2:00 – 2:30 Intro to invasive species and ID (class session) – Kip Cronk, Michigan Sea Grant and ...

2:30 – 2:45 Decontamination - Emily Schaefer, Saginaw Bay Cisma

2:45 – 3:00 Midwest Invasive Species Information Network (MISIN) – Claire Peterson, MSU

3:00 – 3:45 Intro to the use of social media and press in managing invasive species - Cindy Hudson, MSU Extension)

4:00 Intro to invasive species, identification and MISIN – Walk along the Shoreline (field session)

5:00 Make and Eat Dinner

6:00 Beach Time

8:00 Bonfire – Asian Carp Talk

10:00 Bed

### **Tuesday July 18**

7:00 Wake up Call

7:05 Breakfast

8:00 Invasive Species and Water Quality – Valerie, DNR

9:00 Invasive Species Management – Understand the Watershed Concept – Kip Cronk, Michigan Sea Grant

10:00 Tobico Forest – Invasive Species Survey

12:00 Lunch

1:00 European Frog-Bit Removal - Various Staff

5:00 Make and Eat Dinner

6:00 Beach Time

8:00 Bonfire - Mute Swan Collaring Talk

10:00 Bed

### **Wednesday July 19**

7:00 Wake Up Call

7:05 Breakfast

8:00 Load bus to Chippewa Nature Center

8:45 Arrive at Chippewa Nature Center

8:45-9:30 Introduction to Chippewa Nature Center

9:30-11 Drone 101 – Tom Lenon Chippewa Nature Center and ...

11-12 Exploring the River's Edge

12:00 Lunch (opportunity for catering, like subway?)

1:00 Invasive Shrubs Identification & Field Work – Curt Holsinger, Chippewa Nature Center  
4:00 Departure  
5:00 Make and Eat Dinner  
6:00 Beach  
9:00 Bonfire – Biodiversity and Ethics Talk.  
10:00 Bed

### **Thursday July 20**

7:00 Wake Up Call  
7:05 Breakfast  
8:00 Invasive Species Management Plan  
11:00 Press Conference – Bay County Television  
12:00 Lunch  
1:00 Departure

#### **DAILY TASKS:**

Social media groups (students will work with partners to post on various social media venues, creating accounts for the summer camp).

Wrap-up: wrapping up the day events around the fire.

Discuss invasive species management plan.

Introduction of staff, including their educational background, why they ended up in the field they are in, and recommendations to students looking to follow that path.

#### **PARTNERS:**

Saginaw Bay Cooperative Invasive Species Management Area (CISMA)  
Michigan Sea Grant  
Michigan Department of Natural Resources (DNR)  
Bay City State Recreation Area  
Michigan Natural Features Inventory (MNFI)  
Midwest Invasive Species Information Network (MISIN)  
Chippewa Nature Center  
Michigan State University Extension  
4-H  
Bay City Public Schools – Meet Up & Eat Up

#### **INSTRUCTORS:**

Fallon Januska, Saginaw Bay CISMA  
Emily Schaefer, Saginaw Bay CISMA  
Kip Cronk, Michigan Sea Grant  
Curt Holsinger, Chippewa Nature Center  
Phyllis Higman, MNFI  
Daria Hyde, MNFI  
Claire Peterson, MISIN  
Valerie Blaschka, DNR  
Cindy Hudson, MSU Extension

CHAPERONES:

4 chaperones will be needed to staff with the students through the entire camp period.

NOTE: **All** instructors and chaperones will be processed through the Michigan State University Extension Volunteer Selection Process.

LIKELY FUNDING SOURCES:

Bay Area Community Foundation

<http://bayfoundation.org/>

Saginaw Community Foundation

<http://www.saginawfoundation.org>

Saginaw Bay Watershed Initiative Network (WIN)

<http://saginawbaywin.org/>

FIDUCIARY:

Friends of the Bay City State Recreation Area

<http://www.friendsofpark.org/>