



# THUNDER BAY INTERNATIONAL FILM FESTIVAL

IN PARTNERSHIP WITH

## INTERNATIONAL OCEAN FILM FESTIVAL

# GREAT LAKES, GREAT FILMS

THE FRIENDS OF THUNDER BAY NATIONAL MARINE SANCTUARY PRESENT A UNIQUE FESTIVAL SHOWCASING OCEAN AND GREAT LAKES FILMS FROM AROUND THE WORLD.

[THUNDERBAYFRIENDS.ORG](http://THUNDERBAYFRIENDS.ORG)

DIVE IN - JANUARY 23-27, 2019

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The logo for Chemical Bank, consisting of a stylized, three-dimensional geometric shape that resembles a cube or a series of interlocking planes.



THUNDER BAY  
INTERNATIONAL FILM FESTIVAL

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## THANK YOU TO OUR VOLUNTEERS!



Thank you to our sanctuary volunteers. This event couldn't happen without you!  
 Interested in volunteering?  
 Please e-mail [thunderstruck@thunderbayfriends.org](mailto:thunderstruck@thunderbayfriends.org)



## Dear Friends,

Welcome to the 7th Annual Thunder Bay International Film Festival! We are excited to bring a world-class collection of more than 50 films to northeast Michigan. As you know, Thunder Bay is part of the national marine sanctuary system, a network of 15 marine protected areas, encompassing more than 600,000 square miles of ocean and Great Lakes waters. These films illustrate how all of us are connected to the ocean.

We are also connecting students to film in more ways than ever. Through our student film competition, youth are able to share their creative ideas about what “exploration” means to them. With a grant from the **First Federal/mBank Community Foundation**, hundreds of students will experience the festival — our education team is taking the festival to local schools and bringing classrooms to the Great Lakes Maritime Heritage Center in the future.

This festival truly builds upon Thunder Bay’s efforts to preserve the Great Lakes and their rich history through research and education. By fostering an understanding of our connections to the Great Lakes and ocean, the sanctuary works to ensure that future generations will continue to experience and value our irreplaceable underwater treasures.

This incredible festival would not be possible without our generous sponsors. For a second year, **Chemical Bank** is serving as our “**Great Lakes Executive Producer**,” and the **Michigan Film & Digital Media Office** matched that sponsorship with a grant of \$5,000. Please join us in thanking all of our sponsors for making this festival possible.

Thank you for your support and enjoy the show!

Sincerely,

Jeff Gray  
Sanctuary Superintendent

# Film Festival Schedule



**WEDNESDAY**

**WEDNESDAY, JANUARY 23**

**6:00 - 9:00 PM - \$6 ADMISSION**

**TBIFF ON THE ROAD - PROGRAM 1**

**ALCONA HIGH SCHOOL, LINCOLN**

**6:00 PM** – Reception (Concessions available for purchase)

**7:00 PM** – Films

**The Hundred-Year-Old Whale** 15 min

**Lionfish - New Pirates of the Caribbean** 52 min

**Line 5: Worst Case Scenario** 43 min\*

*\* Filmmaker expected for Q&A*

*Films and schedule are subject to change due to circumstances beyond our control*



# Film Festival Schedule



THURSDAY

THURSDAY, JANUARY 24

7:00 - 9:00 PM - \$6 ADMISSION

TBIFF ON THE ROAD - PROGRAM 2

ROGERS CITY THEATER, ROGERS CITY

7:00 PM – Films

Stories from the Blue: Sharks 1 min

Making Waves: Battle for the Great Lakes 120 min\*

\* Filmmaker expected for Q&A

Films and schedule are subject to change due to circumstances beyond our control



# Film Festival Schedule

FRIDAY

**FRIDAY, JANUARY 25**

**6:00 - 9:00 PM - \$30 ADMISSION**

**GREAT LAKES GALA: RECEPTION & FILMS - PROGRAM 3**  
**GREAT LAKES MARITIME HERITAGE CENTER, ALPENA**

**6:00 PM** – Reception with heavy hors d'oeuvres

**7:00 PM** – Films

**Dive to be Alive** 5 min

**Coastal Shipwrecks** 13 min

**Beneath the Surface: The Line 5 Pipeline in the Great Lakes** 27 min\*

**These Fish Are All About Sex on the Beach** 4 min

**BLUE** 76 min

*\* Filmmaker expected for Q&A*

*Films and schedule are subject to change due to circumstances beyond our control*



# Thank You Sponsors!



## INTERESTED IN SPONSORING?

Please contact 989-884-6210 for more information.



## WE ALSO WOULD LIKE TO THANK OUR IN-KIND SPONSORS

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# Film Festival Schedule



THEATER 1

SATURDAY

**SATURDAY, JANUARY 26**

**GREAT LAKES MARITIME HERITAGE CENTER, ALPENA**

## THEATER 1

**10:00 AM - FILMS - PROGRAM 4 - \$6 ADMISSION**

**Stars** 5 min

**Mexican Fishing Bats** 6 min

**Irreparable Harm** 20 min

**Big Pacific** 53 min

**North Branch** 19 min

**1:00 PM - FILMS - PROGRAM 6 - \$6 ADMISSION**

**Sea Grant in the Great Lakes**

For more than 50 years, the National Sea Grant College Program has supported coastal and Great Lakes communities through research, extension, and education. Come learn what Great Lakes Sea Grant programs are doing on behalf of the Great Lakes.

**3:00 PM - STUDENT FILMS - PROGRAM 8 - FREE**

**See films from the Student Film Competition!**

**4:30 PM - FILMMAKERS' PANEL - PROGRAM 9 - FREE**

**Join filmmakers for an interactive discussion!**

**6:00 PM - FILMS - PROGRAM 10 - \$15 ADMISSION**

**6:00 PM** – Reception with light hors d'oeuvres

**7:00 PM** – Films

**Grand Traverse: A Great Lakes Reef Restoration** 8 min\*

**Bon Voyage** 21 min

**The Story of Force Blue** 43 min

**Crossing Superior** 50 min\*

*\* Filmmaker expected for Q&A*

*Films and schedule are subject to change due to circumstances beyond our control*

# Film Festival Schedule



**SATURDAY, JANUARY 26**

**GREAT LAKES MARITIME HERITAGE CENTER, ALPENA**

## **THEATER 2**

**10:00 AM - GREAT KIDS, GREAT FILMS! - PROGRAM 5**

**\$6 ADMISSION**

**Shipwreck Hunters** 35 min

**How Do Pelicans Survive Their Death-Defying Dives** 4 min

**Oceanic Aliens** 6 min

**Return of the Harbor Porpoises** 10 min

**The Mystery of the Gnaraloo Sea Turtles** 24 min

**Tapping the Great Lakes** 27 min\*

**1:00 PM - FILMS - PROGRAM 7 - \$6 ADMISSION**

**Chiripajas** 2 min

**One Breath: A Life Without Gravity** 7 min

**A Herring Opera** 27 min

**The Fight for Flight** 16 min\*

**Fishpeople** 49 min

*\* Filmmaker expected for Q&A*

*Films and schedule are subject to change due to circumstances beyond our control*

**THEATER 2**

**SATURDAY**

# Film Festival Schedule



THEATER 1

SUNDAY

**SUNDAY, JANUARY 27**

**GREAT LAKES MARITIME HERITAGE CENTER, ALPENA**

## THEATER 1

**10:00 AM - FILMS - PROGRAM 11 - \$6 ADMISSION**

**Radical Rust Belt** 10 min\*

**The Agave Gun** 10 min

**Cuban Wave Riders** 20 min

**The Big Wave Project** 59 min

**12:00 PM - FILMS - PROGRAM 13 - \$6 ADMISSION**

**Nonoy and the Sea Monster** 5 min

**The Amazing Lifecycle of the European Eel** 4 min

**Reefs at Risk** 11 min

**Dedicate: Diving Free** 8 min

**Souls of the Vermillion Sea** 29 min

**Michigan Micro Adventures** 11 min\*

**Seven Generation River** 27 min\*

**2:00 PM - FILMS - PROGRAM 15 - \$6 ADMISSION**

**Muskegon Lake: A Great Lakes Area of Concern** 12 min\*

**Albatross** 97 min

*\* Filmmaker expected for Q&A*

*Films and schedule are subject to change due to circumstances beyond our control*

# Film Festival Schedule



**SUNDAY, JANUARY 27**

**GREAT LAKES MARITIME HERITAGE CENTER, ALPENA**

**THEATER 2**

**11:00 AM - FILMS - PROGRAM 12 - \$6 ADMISSION**

**Flip Float and Follow: A Drowning Prevention Strategy** 16 min\*

**Kim Swims** 75 min

**1:00 PM - FILMS - PROGRAM 14 - \$6 ADMISSION**

**Art for a Sea Change** 4 min

**Alice in Borneo's Wonderland** 12 min

**Melting Stars** 15 min

**From the Shadows** 15 min

**Patterns of the Ocean** 45 min

**3:00 PM - FILMS - PROGRAM 16 - \$6 ADMISSION**

**68 Voices** 1 min

**Seeking Sanctuary** 11min

**Adaptation Bangladesh: Sea Level Rise** 12 min

**Water, Blood and Spermacti** 7 min

**Islands from Mexico: Revillagigedo Archipelago** 49 min

*\* Filmmaker expected for Q&A*

*Films and schedule are subject to change due to circumstances beyond our control*

**THEATER 2**

**SUNDAY**

# Film List - Alphabetical



## **68 Voices**

(Mexico), 1 min  
Nadia Rojas

This is a story of the cosmogony of the Seri people in northern Mexico. All the animals in the sea dived down to bring sand up from the depths of the ocean, but only the largest sea turtle that ever lived – the Caguama - succeeded. From that sand the Earth was created.



## **Adaptation Bangladesh: Sea Level Rise**

(USA), 12 min  
Justin DeShields

Glacial waters from northern mountains and the warming waters of the Bay of Bengal are expected, by 2050, to force 16 million Bangladeshi from their homes. So these resourceful people have adapted: schools are on boats with rooftop solar panels to power computers; thriving vegetable gardens float on mats of water hyacinth; self-sufficient floating villages are being planned.



## **Albatross**

(USA), 97 min  
Chris Jordan

A million breed on Midway Island, where the birds have no natural predators, enabling Chris Jordan to film their graceful courtship dances and their encouragement to chicks breaking out of their shells. Jordan also shows us ravenous chicks gulping down plastic mistakenly scooped up by parents on foraging journeys. The horrific fatal effects of this man-made detritus are not easily forgotten.



## **Alice in Borneo's Wonderland**

(USA), 12 min  
David McGuire

Alice, a sixteen-year-old aspiring biologist, learns to SCUBA dive off the coast of Malaysian Borneo and discovers a wondrous world. With the help of Shark Steward instructors she learns to respect the key predators of that astonishing world—the sharks, endangered worldwide because of shark finning. Her next step is to share with other students her new knowledge about the importance of protecting the oceans.

# Film List - Alphabetical



## Art for a Sea Change

(USA), 4 min  
John Quigley,

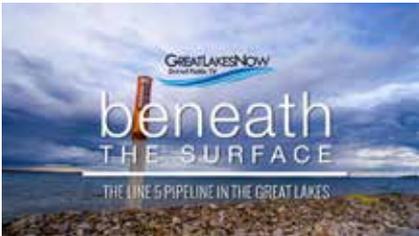
Listen, Unite, Protect, Save Our Seas. Starting in San Francisco, twenty years ago, over a hundred thousand youth from California to China have connected with the sea – cleaning beaches and sending ocean messages scribed in the sand with their own bodies.



## A Herring Opera

(USA), 27 min  
Tessa Schmidt

Stylistically unique, this film portrays the spring herring fishing season in Sitka, Alaska. Presented as an “opera” in several acts, it presents the drama between commercial fishing operations and the local fishermen. Interwoven in the story are details of life in a small Alaskan town and the beauty of the spawning herring.



## Beneath the Surface: The Line 5 Pipeline in the Great Lakes

(Michigan), 27 min  
Detroit Public TV

The Great Lakes are known for their sweeping beauty and crystal clear waters. They are a destination for recreational boaters and fishermen. Tourists spend billions of dollars in the eight states and two Canadian provinces that share the lakes’ 10,000 miles of shoreline. But hidden beneath the surface of the lakes, dozens of pipelines carry oil and gas every day. One of them lies underneath the waters of Michigan’s Straits of Mackinac.



## Big Pacific

(New Zealand), 53 min  
Samantha McKegg and Samantha Young

In an ocean that covers one third of the Earth’s surface are many mysteries: the “arribada” in Costa Rica when half a million turtles all converge on the same beach; strange symmetrical patterns in the sand off Japan; the daily migration of the chambered nautilus; the 10-eyed horseshoe crab; and firefly shrimp each with 20,000 eggs. There are even huge stone cities built by ancient, long gone civilizations.

# Film List - Alphabetical



## **Blue**

(UK), 76 min  
Sarah Beard

Blue is a feature documentary film charting the drastic decline in the health of our oceans. With more than half of all marine life lost and the expansion of the industrialization of the seas, the film sets out the challenges we are facing and the opportunities for positive change. Filmed on location in Australia, Hawaii, the South Pacific, the Philippines and Indonesia, Blue changes the way we think about our liquid world and inspires the audience to action.



## **Bon Voyage**

(Switzerland), 21 min  
Marc Wilkins

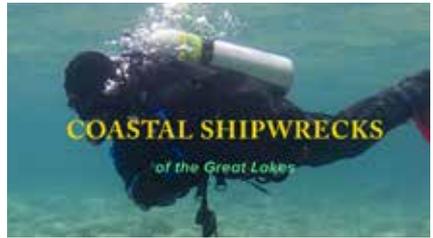
A couple's pleasant Mediterranean sailing trip is thrown into tension-filled turmoil by an encounter with refugees desperate to escape their violence-torn North African homelands. In just 20 minutes, this powerful film puts us in the middle of a moral quandary, not unlike some of our own that demand life and death choices.



## **Chiripajas**

(Russia/Spain), 2 min  
Olga Poliektova & Jaume Quiles

This film tells the big adventure of one small baby turtle. Lost and trapped in ocean pollution, he strives to reach the ocean and search for his family. A beach cleanup saves the day!



## **Coastal Shipwrecks**

(Michigan), 13 min  
Noble Odyssey Foundation

Follow the Great Lakes Division of Navy Sea Cadets as they explore shallow shipwrecks from Port Austin to Port Huron, Michigan. These adventurous cadets, ages 11 - 18 and under the guidance of Captain Luke Clyburn, also document these historically-significant shipwrecks to help preserve them for future generations.

# Film List - Alphabetical



**Crossing Superior**  
(Michigan), 50 min  
Corey Adkins

Crossing Lake Superior follows a riveting 60-mile journey three men took with their paddle boards across a lake that is often a force to be reckoned with. Corey Adkins tagged along to document the 22-hour journey with Stand Up for Great Lakes. Learn why they chose this kind of adventure to raise money for the Great Lakes Shipwreck Museum in this special documentary.



**Cuban Wave Riders**  
(USA), 20 min  
Liz Magee & Taylor McNulty

"When I caught that first wave" the Cuban surfer says, "it was...like medicine for the soul." Any stoked surfer would say amen to that, but for this film's Cuban surfers, locating that medicine often means long trips on bumpy roads and bruising walks across rocky beaches. Right now, there are only about 80 surfers in Cuba. More are welcome, the surfers say, "but not too many."



**Dedicate: Diving Free**  
(Norway), 8 min  
Shams

A chemical engineer turned free-diving photographer, Jacques de Vos has pursued his love for orcas since childhood. He shares the magic and wonder of being in the water and interacting with humpback whales and orcas off the coast of Norway.



**Dive to be Alive**  
(Germany), 5 min  
Florian Fischer

Diving keeps you alive, and you don't become a zombie in the mind controlled world in which we live in.' ... claims Hayward Coleman, the 70 year old yogi master.

# Film List - Alphabetical



## Flip Float and Follow: A Drowning Prevention Strategy

(USA), 16 min

Pat Noyes

The Great Lakes Surf Rescue Project are a group of men and women who have donated 1000's of hours of their time to educate children and adults to the dangers inherent in recreational use of the Great Lakes. Flip, Float, and Follow is a term they have coined that is supposed to be like the "Stop, Drop, and Roll" for water safety.



## Fishpeople

(USA), 49 min

Keith Malloy

To some, the ocean is a fearsome and dangerous place. But to others, it's a limitless world of fun, freedom, and an opportunity to live life to the fullest. This film's unique cast of characters have dedicated their lives to the sea: together they introduce us to the transformative effects of time spent in the ocean—and of finding fulfillment in the saltwater wilderness that lies just beyond the shore.



## From the Shadows

(Spain), 15 min

Jacques de Vos

Boats from Tromso, fish in the Norwegian fiords for herring and cod. The sound of the fishing boats brings in pods of orcas and humpback whales to catch the fish that escape the nets; some whales are eating the spoils, and others sky hopping to watch the fish brought aboard and anticipate the next fall out. In the water, alongside the whales, day and night, are videographers recording it all.



## Grand Traverse: A Great Lakes Reef Restoration

(USA), 8 min

Jason Whalen

This mini-documentary involves three species, 450 tons of rocks, and one chance for a comeback. Scientists from The Nature Conservancy, Central Michigan University, and The Michigan Department of Natural Resources teamed up to dump 450 tons of limestone rock to restore a degraded spawning reef in northern Lake Michigan.

# Film List - Alphabetical



## **How Do Pelicans Survive Their Death Defying Dives**

(USA), 4 min  
Elliott Kennerson

A few years back, millions of sardines crammed into San Francisco Bay and Aquatic Park Cove. Brown pelicans, so striking in soaring flight, dove with wings akimbo to scoop them up. How do these pterodactyl look-alikes survive hitting the water at 45 miles an hour? They've had 30 million years to adapt—bones, feathers, bill, and pouch—as this film explains.



## **Irreparable Harm**

(USA), 20 min  
Colin Arisman

In Alaska, a Tlingit settlement must abandon traditional foods, and perhaps their homes. A silver mine's mercury- and lead-tainted discharge pours into Knight Inlet in vast quantities, poisoning marine life the Tlingit depends on. Faced with blatant lies, "disappeared" studies, and industry stonewalling, the state turns a blind eye. But natives and scientists push back: "If you call out to the Earth, Earth can hear you."



## **Islands from Mexico: Revillagigedo Archipelago**

(Mexico), 49 min  
Nadia Rojas

The gem of the Mexican Pacific Ocean, this remote archipelago hosts hammerhead sharks, humpback whales, and some of the best diving in the Northeast Pacific Ocean. This Mexican Galapagos has also become the target of tuna fishers and shark finners. A team of Mexican biologists explore and study this sub-tropical biodiversity and help establish the largest no fishing marine reserve off North America.



## **Kim Swims**

(USA), 75 min  
Kate Webber

Kim Chambers was the first woman (and one of only four people) to swim solo the 26 miles between the Farrallon Islands and San Francisco. This feat is the culmination — so far — of Kim's life story, from growing up on a sheep farm in New Zealand to working in the Bay Area tech industry and experiencing a life-changing accident.

# Film List - Alphabetical



**Lionfish - New Pirates of the Caribbean**  
(Germany), 52 min  
Ulf Marquardt

The extraordinary lionfish, festooned with numerous and strange appendages, has long been a highlight for snorkelers and scuba divers in the Pacific Ocean where it has its place in the piscine pecking order. After it was thoughtlessly introduced into the Caribbean and the Atlantic, however, the lionfish took advantage of the lack of predators and its population skyrocketed. This is one fish you need have no compunction about eating.



**Line 5: Worst Case Scenario**  
(USA), 43 min  
Barton Bund

An old, damaged energy pipeline threatens the future of the Great Lakes. The *Line 5* series follows the people fighting to prevent a catastrophic oil spill in the Straits of Mackinac. This third installment looks closely at the legal and political battle surrounding the issue. Spectacular cinematography and in-depth interviews paint an intimate portrait of this freshwater crisis.



**Making Waves**  
(USA), 120 min  
Jennifer & Brendan Walsh

With more than 180 invasive species in the Great Lakes watershed, and new invasives on the radar, the future of the Great Lakes is at stake. *Making Waves* traces the path of the invasion and joins researchers on the front lines as they combat invasives and work to restore native species, in an effort to prevent a biological takeover of the Great Lakes.



**Melting Stars**  
(Canada), 15 min  
Kate Green

This film unravels the mystery behind one of the most catastrophic species die-offs in recorded history — the sea star wasting syndrome that started in 2013. Find out why the sea stars have died, what factors led to the epidemic, and the effects of the die-off on intertidal ecosystems from Alaska to Mexico.

# Film List - Alphabetical



## Mexican Fishing Bats

(Canada), 6 min  
Meigan Henry

Most marine mammals swim, but these tiny winged denizens of caves on the island of Partida in the Sea of Cortez rely on the sea as much as any sea lion. An intrepid young scientist studies these endangered Mexican fishing bats as they flit every night into the desert darkness to fish, attempting to unravel their secrets before they become lost forever.



## Michigan Micro Adventures

(Michigan), 11 min  
Zach Irving, Jack MacDonald, Ely Irving, Gary Irving

Father and son team Gary and Ely Irving take you on a personal guided tour snorkelling the *Portland* shipwreck, a two-masted schooner that sank in Bell Bay on October 13, 1877. Gary and Ely give you an inside look on the history and adventure you can make at this Michigan hotspot. The team tour the pathway and ruins of the old town of Bell just off the shore of Lake Huron.



## Microplastics

(Michigan), 12 min  
Northeast Michigan Great Lakes Stewardship Initiative

Breaking news: What's in your water? Fifth graders from Ella White Elementary in Alpena break down the issue of microplastics - from source to solution - in this entertaining news-style film. Stay tuned for fifth grade field work, a reusable lunch packing demonstration, and a conversation with Alpena's own Plastics FLOAT 4-H club! And remember, Refuse to Single Use!



## Muskegon Lake: A Great Lakes Area of Concern

(Michigan), 12 min  
David Ruck

Muskegon Lake was designated a Great Lakes Area of Concern after years of neglect and abuse at the hands of logging companies, foundries, and every day citizens who used the lake as an industrial dump. Taking matters into their own hands, citizens leveraged new laws designed to help communities like Muskegon reclaim their aquatic resources. This is the story of how people came together to save Muskegon Lake.

# Film List - Alphabetical



**Nonoy and the Sea Monster**  
(Austria), 5 min  
Florian Kozak

When his parents talk of the sea monster that is wiping out the fish they need for survival, Nonoy, their young and imaginative son, creates a weapon whose magic powers will take care of the beast for good. Go get him, Nonoy!



**North Branch**  
(Michigan), 19 min  
Andrew J. Morgan & Nick Nummerdor

Brothers Jerry and Jeff Kellogg were a force to be reckoned with in the sport of marathon canoe racing. Growing up along the north branch of the Au Sable River as second generation paddlers, the brothers won their first local race as teenagers and never looked back. They took home consecutive wins in the 120-mile Au Sable Canoe Marathon. Their contribution to the sport of canoe racing set new standards for racers to come with over a decade worth of top 5 finishes.



**Oceanic Aliens**  
(USA), 6 min  
Mike Johnson

What really lies in the depths of our oceans? How much do we really know about what lives there? More is known about outer space than our oceans. This short documentary illustrates just one example of a little known class of bioluminescent species and their amazing attributes.



**One Breath: A Life Without Gravity**  
(UK), 7 min  
Sebastian Solberg

Husband and wife free divers Eusebio and Christina Saenz de Santamaria share many adventures underwater. Among them is an attempt to set a new world record for diving depth for two people together: 100 meters. Try holding your breath along with them.

# Film List - Alphabetical



**Patterns of the Ocean**  
(Germany), 45 min  
Claudia Schmitt

Manta rays are a giant, gentle, and graceful kind of flat shark. With a wingspan of 21 feet and weighing well over a ton, these acrobatic denizens are favorites among scuba divers. Now coveted as a dubious traditional medicine, these rays are becoming a substitute for shark fin and are rapidly becoming endangered. A German team of filmmakers document the work of scientists and conservationists in Indonesia, working to save these beautiful animals from extinction.



**Radical Rust Belt**  
(USA), 10 min  
Pat Noyes

1 van, 2 friends, 3 days, 4 surfboards, a dozen peanut butter and jelly sandwiches, and 1,640 miles of shoreline. This is a surf trip around Lake Michigan, this is Rust Belt Surf. Special thanks to Ryan at Third Coast Surf Shop and all the Ersulas Crew in St. Joe.



**Reefs at Risk**  
(USA), 11 min  
Malina Fagan

The health of reefs near Hawaii started to decline around 1985, about the same time the tourist industry in the islands exploded. Any connection? All those visitors are lathered in sunscreen that often includes the chemical oxybenzone, an endocrine disruptor, lethal to coral—and fish, and dolphins (and maybe you).



**Return of the Harbor Porpoises**  
(USA), 10 min  
Jim Sugar

In the late 1930s, San Francisco Bay was dying. Sewage, industrial waste, and military preparations for World War II sounded a death knell for its marine life. The shy, diminutive porpoises that lived there disappeared. Then, activists and agencies decided to heal the bay, and 65 years later, biologists documented the porpoises' lusty return. This film is a song of homecoming, of hope.

# Film List - Alphabetical



## **Sea Grant in the Great Lakes** (USA), 73 min

For more than 50 years, the National Sea Grant College Program has supported coastal and Great Lakes communities through research, extension, and education. The Great Lakes, the world's largest freshwater system, are a tremendous resource shared among eight U.S. states and two Canadian provinces. Come learn what Great Lakes Sea Grant programs are doing on behalf of the Great Lakes.



## **Seeking Sanctuary** (UK), 11 min Nick Jones

Shark researcher Ornella Weideli's laboratory is the remote, uninhabited St. Joseph's atoll in the Seychelles in the Indian Ocean. It has become a sanctuary for a wide diversity of wildlife, including baby sharks whose primary predators in the shallow lagoon are their cousins.



## **Seven Generation River** (USA), 27 min Detroit Public TV

In a time of cultural turmoil, deep divisions between Americans, our environment and our natural resources are caught in the crossfire. In an approach that blends the latest science with their traditional ways, a small band of Native Americans nestled into the southwest corner of the Great Lakes might have the key to healing our divisions, healing nature, healing ourselves.



## **Shipwreck Hunters** (Spain), 35 min Edu Lavandeira

The *Cardenal Cisneros* was one of the big hopes of the Spanish Armada in the beginning of the 20th century, but it sank shortly after it was launched. More than 100 years later, a group of experienced divers will submerge 65 meters deep to find it.

# Film List - Alphabetical



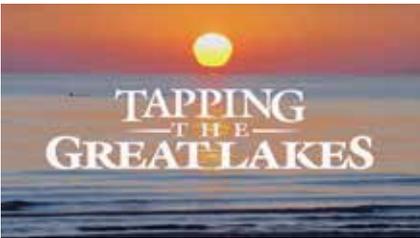
**Souls of the Vermillion Sea**  
(USA), 29 min  
Matthew Podolsky

Beautifully shot in Mexico, this film documents the imminent extinction of an entire species: the vaquita, or Gulf of California porpoise. Drowned in illegal fishing nets intended to capture totaba, an endangered fish – illegally caught for questionable medical purposes – they die needless deaths. An international team now struggles valiantly to pull them back from the brink.



**Stars**  
(USA), 5 min  
Han Zhang

A grandfather and his grandson sell stars on the street in a seaside town. One night their supply runs out, and the grandson embarks on a journey to fish for more stars.



**Tapping the Great Lakes**  
(USA), 27 min  
Detroit Public TV

Detroit Public Television's Great Lakes Now takes a deep dive into several methods of water withdrawal and their impact on the Great Lakes.



**The Agave Gun** (USA), Ross Haines, 10 min

Legendary surfboard shaper Gary Linden continues to hone his skills even after 50 years into his career. His board materials include agave plants, the use of which requires masterful skills and a lot of patience. Alex Gray, a big wave surfer, inspires Gary to make an "agave gun" (big wave surfboard) and they go on a spiritual journey together.

# Film List - Alphabetical



**The Amazing Lifecycle of the European Eel**  
(UK), 4 min  
Sofia Castello y Tickell

A delightful stop motion animation featuring the European eel's life cycle and unusual theories behind it. Did you know that the Romans kept them as pets and adorned them with jewelry? The oldest known European eel lived to be over 100 years old. Nowadays they swim to the Sargasso Sea to complete their life cycles.



**The Big Wave Project**  
(Australia), 50 min  
Tim Bonython

For five years Australian filmmaker Tim Bonython follows legendary surfers to legendary breaks and some unknown gargantuan tow-in monsters. He tracks storms and swells across the planet to find and surf the gnarliest, most insurmountable mountains of ocean. Big gun surfers including Jamie Mitchell, Aaron Gold, Ryan Hipwood, Grant "Twiggy" Baker, Billy Kemper, and Mark Healey survive the impossible and develop a brotherhood of the Big Wave.



**The Hundred-Year-Old Whale**  
(Canada), 15 min  
Tony Wosk

"Granny," the centenarian killer whale matriarch of Puget Sound, has survived capture, starvation, bullets, and even toxic pollutants. She nurtured her descendants, and shared her knowledge, gathered over a lifetime, with the remnants of her critically endangered Southern Resident family.



**The Fight for Flight**  
(USA), 16 min  
Jason Whalen

A film about the spring songbird migration through the Great Lakes region and the people who interact with them. Each year, millions of birds travel between Central and South America to Canada and the northern United States. Migration is very difficult for birds and humans make the journey even more challenging. From research to rehab, it takes a lot to understand and conserve this natural phenomenon.

# Film List - Alphabetical



**The Mystery of the Gnaraloo Sea Turtles**  
(Australia), 24 min  
Dof Dickinson

See stunning underwater footage that tracks the mysterious journey of the Gnaraloo Loggerhead turtles in Western Australia. Scientists attached satellite trackers and underwater cameras to the backs of female turtles for the first time. Dive in and learn about life after they leave nesting beaches.



**These Fish Are All About Sex on the Beach**  
(USA), 4 min  
Joshua Cassidy

Shortly after a new full moon and high tides, the California grunion come out of the sea and onto the beach for an unusual mass mating tryst. The resulting offspring must find their way to the sea and it is not easy.



**The Story of Force Blue**  
(USA), 43 min  
Sara & Bobby Sheehan

Force Blue is a nonprofit organization that seeks to unite the community of Special Operations veterans with the world of marine resource conservation for the betterment of both. It's the story of the six (6) men and how each of them has dealt with their own personal struggles to reorient to civilian life after years of combat deployments, and how, together, they are now a force for change. This new "mission" to heal the planet is giving them a pathway home.



**Water, Blood and Spermaceti**  
(USA), 7 min  
Nicholas Dean and Cheryl Dean

In the 1950s, Grigory Derviz, in his twenties, went to Russia's Kiril Islands north of Japan, to join a whaling expedition—a world of rough seas, lots of blood, and spermaceti, a substance found in the head cavities of sperm whales and used in manufactured goods. He impressively captured the whalers in the "heroic" Soviet style of his day, but he no longer sees their work that way.

# Featured Series



**WBKB's "On the Deck"**  
(Michigan)  
Michael Beiermeister

Around the turn of the century, hundreds of ships felt the wrath of Lake Huron. Some would call the lake a permanent home. Join Mike Beiermeister and archaeologists from Thunder Bay National Marine Sanctuary as they look to bring to life the tales of a few of these vessels that found a final resting place in Lake Huron. Watch for episodes of WBKB's new "On the Deck" series throughout the festival!



## STORIES FROM THE BLUE

**Stories From The Blue**  
(USA)  
Office of National Marine Sanctuaries

National marine sanctuaries and marine national monuments are home to thousands of species of marine life, from tiny plankton to enormous whale sharks and humpback whales. They are also the heart of many human communities, from native communities that have depended on the ocean for centuries and continue to do so, to vacationers who dive into sanctuary waters and surf their waves, to scientists and researchers who explore the ocean's depths. Join us as each month as we tell *Stories from the Blue* celebrating the people at the center of national marine sanctuaries and marine national monuments.

# Sea Grant Films



## **Climate Change and Severe Weather**

*Michigan Sea Grant*

Do you know the difference between weather and climate? How could climate change affect the Great Lakes region?

## **Sea Grant Science in Minnesota: Ice Cover and Biological Productivity in Lake Superior**

*Minnesota Sea Grant*

Dr. Ted Ozersky discusses his Sea Grant-funded research to understand how winter and climate influence Lake Superior's food web.

## **Illinois-Indiana Sea Grant Pollution**

### **Prevention Minute: FAQs**

*Illinois-Indiana Sea Grant*

Have you ever wondered what exactly an unwanted medicine is, or what happens to the medications after safely disposing at a collection event or permanent collection box?

## **Dangerous Currents in the Great Lakes**

*Great Lakes Sea Grant Network*

Great Lakes currents can be dangerous and deadly. Being smart about when and where to swim can save lives.

## **Measuring Bluff Erosion on the Great Lakes**

*Wisconsin Sea Grant*

Sustained high water in the Great Lakes can cause bluffs to erode. Sea Grant has funded research to learn more about how bluffs erode to help protect shoreline property.

## **Superior Basin Basics: Offshore Food Web**

*Minnesota Sea Grant*

Lake Superior's fish are all part of an interconnected food web. Top predators such as Lake Trout have to hunt their prey. Some species find dinner deep under the surface and in low-light environments.

## **CSMI: What's Near The Top of the Food Web**

*New York Sea Grant*

The U.S. and Canada participate in the Cooperative Science Monitoring Initiative. The initiative focuses on a different Great Lake each year and in 2013 focused on Lake Ontario. In this, the third in NY's CSMI series, we examine the balance of the lake's fisheries' predator-prey food web connections.

## **Teriyaki Fish Kabobs**

*Michigan Sea Grant*

Celebrate summer with teriyaki fish kabobs on the grill!

## **Salmon in the Great Lakes: Part 1, Early Life History**

*Michigan Sea Grant*

Follow the life of a young salmon from egg to smolt and compare the life of a wild salmon to that of young fish reared in classrooms around Michigan.

## **Salmon in the Great Lakes Part III: Scenes from the Salmon Run**

*Michigan Sea Grant*

In addition to providing fishing opportunities, the salmon run offers a unique opportunity for nature enthusiasts to witness fascinating behaviors that salmon engage in as they complete their life cycle.

## **Get Out. Dive In. Apply Today.**

*Ohio Sea Grant*

Spend one, four or six weeks with us this summer – and earn college credit at The Ohio State University's island campus on Lake Erie.

## **Hop on board with Summer Discovery Cruises!**

*Michigan Sea Grant*

Don't miss the boat! Summer Discovery Cruises are fun and educational!

## **Shipboard Science on the S/V Denis Sullivan**

*Minnesota & Wisconsin Sea Grants*

Science teachers and educators from across grade levels are brought together by a shared passion for the Great Lakes and a love of teaching and lifelong learning.

## **Why is Lake Huron so Happy?**

*Northeast Michigan Great Lakes Stewardship Initiative*

Students in northeast Michigan have built ROVs, tested water quality, and created park signs that encourage ecotourism, all through the Northeast Michigan Great Lakes Stewardship Initiative.

# Filmmakers' Panel



SATURDAY - JANUARY 26 - 4:30 PM



Take a peek behind the curtain into the world of professional filmmaking! This interactive panel, featuring visiting filmmakers whose works are showcased throughout the festival, offers insight into the creative process, career paths, funding ideas, and much more. Join the FREE Filmmakers' Panel on Saturday, January 26 at 4:30 pm, immediately following the Student Film Competition Screenings.



# GET INTO YOUR SANCTUARY

- Free Shipwreck Museum
- Glass Bottom Boat
- Diving
- Paddling
- Snorkeling

Thunder Bay National Marine Sanctuary  
 500 West Fletcher Street, Alpena, MI 49707  
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1-877-354-6881.

NORTHEAST  MICHIGAN

**We're here for GOOD.**

January 26th at 3:00 PM

# SEE STUDENT FILMS!!!

## THUNDER BAY INTERNATIONAL FILM FESTIVAL 4<sup>TH</sup> ANNUAL STUDENT FILM COMPETITION

Northeast Michigan students grades 8-12  
have created films that highlight what **#ExplorationIs**

See the winners for FREE on  
Saturday, January 26th at 3:00pm in Theater 1.

### 2019

## #ExplorationIs

*"We shall not cease from  
exploration and the end of all  
our exploring will be to arrive  
where we started... and know  
the place for the first time."*

- T.S. Eliot

### 2020

## #???????

The 2020 competition theme  
will be announced during this  
year's student screening!

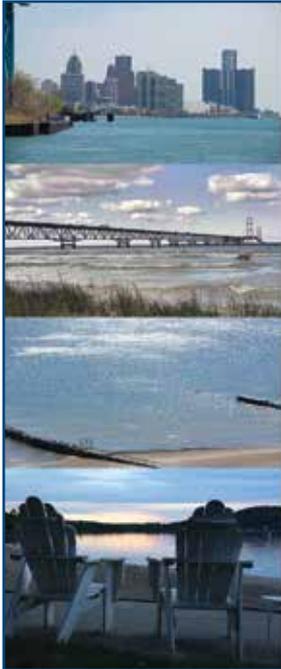
**PRIZES FOR  
WINNING FILMS**

**INTERESTED IN MAKING A FILM?  
INTERESTED IN SPONSORING A STUDENT?**

Go to

[www.nemiglsi.org](http://www.nemiglsi.org)





# GREAT LAKES NOW

Detroit Public TV

Detroit Public Television's Great Lakes Bureau shares stories about the unique culture and history of the Great Lakes basin and explains the ways the fresh water of the Great Lakes generates jobs and economic activity and creates a wealth of recreational opportunities.

Learn more at  
**GreatLakesNow.org**

Great Lakes Now is sponsored by:



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FILM AND MUSIC FESTIVAL

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BAY CITY, MICHIGAN

HellsHalfMile.com



## BE A TRUE BLUE FRIEND

If you love all things Great Lakes, come join the Friends of Thunder Bay National Marine Sanctuary! Our mission is simple. We are dedicated to sustaining the Thunder Bay National Marine Sanctuary. Together, we:

- Celebrate our Great Lakes and their rich maritime history.
- Enjoy recreating in their deep, blue fresh waters.
- Foster good stewardship and sustainable tourism through education and community outreach.

Of course, having fun with friends who share a passion for our Great Lakes is a big part of joining the Friends of Thunder Bay National Marine Sanctuary, too!

## WHY YOUR SUPPORT IS IMPORTANT

Friends of Thunder Bay National Marine Sanctuary plays a critical role in funding the sanctuary's educational programs, community outreach, museum exhibits, and research. Through individual donations, grants, Sanctuary Store sales, and special events like the Thunder Bay International Film Festival, Friends has helped build a world-class research, education, and visitor center that attracts almost 100,000 visitors a year.

## JOIN TODAY!

By becoming a Friend today, you will receive several benefits that include a 10% discount on all Sanctuary Store purchases, invitations to Friends events, advance notice of upcoming happenings, and opportunities to meet special guests. The greatest benefit of all though is knowing that you are investing in the conservation, stewardship, and sustainable use of our Great Lakes for generations to come!

To join, complete a membership form available at the Sanctuary Store, online at [thunderbayfriends.org](http://thunderbayfriends.org), or contact **Katie Wolf** by phone, (989) 884-6210, or email: [kwolf@thunderbayfriends.org](mailto:kwolf@thunderbayfriends.org).

Thunder Bay needs **True Blue Friends** like you!



2019

# MARITIME FESTIVAL

Presented by Thunder Bay National Marine Sanctuary & the Friends of Thunder Bay National Marine Sanctuary



NATIONAL MARINE  
SANCTUARIES

THUNDER BAY



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## FREE ADMISSION

Great Lakes Maritime Heritage Center  
500 West Fletcher Street, Alpena, MI 49707

## THURSDAY, JULY 4TH



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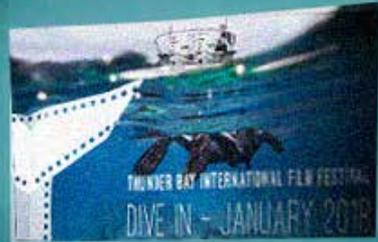
For more information visit our website [WWW.BESSERMUSEUM.ORG](http://WWW.BESSERMUSEUM.ORG)

# ALPENA YOUTH SAILING CLUB



Join us for summer sailing lessons! We have week-long classes for kids 8 and up and adult lessons too. A great way to get introduced to sailing and have some summer fun on the water. Contact **Pete Wilson** at **989-657-6420** or go to [alpenayouthsailingclub.com](http://alpenayouthsailingclub.com).

## TBIFF EDUCATION PROGRAM



The Thunder Bay International Film Festival hosts a Film Fest Education Program with "Sneak Peeks" for area students. Supported by First Federal/MBank Community Foundation and Rogers City Arts & Education Fund (Presque Isle County), nearly 1,000 middle and high school students travel to the Great Lakes Maritime Heritage Center to see films and

- LEARN about current Great Lakes and ocean issues
- EXPERIENCE the art of documentary filmmaking
- CONNECT with different Great Lakes and ocean careers

**CONTACT US TO HAVE THE 2020 TBIFF SNEAK PEEK  
FEATURED AT YOUR SCHOOL NEXT YEAR!**

# UNDERWATER ROBOTICS

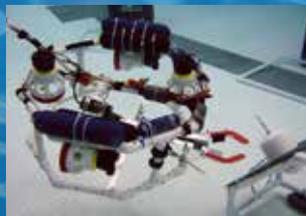
# GREAT LAKES REGIONAL MATE ROV COMPETITION

MAY 11,  
2019

## THE MATE COMPETITION AT A GLANCE

The MATE competition challenges K-12, community college, and university students from all over the world to tackle missions based on scenarios from the workplace. The competition's class structure of beginner, intermediate, advanced-intermediate, and advanced complements the educational pipeline by providing students with the opportunity to build upon their skills as they engineer increasingly more complex ROVs for increasingly more complex mission tasks. For more info visit

[THUNDERBAY.NOAA.GOV](http://THUNDERBAY.NOAA.GOV)



National Marine Sanctuaries  
National Oceanic and Atmospheric Administration

THUNDER BAY NATIONAL MARINE SANCTUARY



The Thunder Bay Film International Festival is produced in partnership with the International Ocean Film Festival, North America's premier film event for ocean-related independent films. Now in its 16th year, the IOFF showcases inspiring, carefully curated independent films—documentaries, narratives, shorts, animation, full-length—from around the world that spotlight all aspects of our Blue Planet.

Thunder Bay National Marine Sanctuary is proud to be one of only five host sites around the world!



International  
**OCEAN**  
Film Festival

# THUNDER BAY INTERNATIONAL FILM FESTIVAL

The Friends of Thunder Bay National Marine Sanctuary brings ocean and Great Lakes films from around the world to Northeast Michigan. The five-day festival screens nearly fifty films, ranging from two minutes to feature-length. Film screenings are complemented by social events, educational activities, and opportunities to meet filmmakers.

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## SCHEDULE OF EVENTS

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### WEDNESDAY, JANUARY 23 - \$6

ON THE  
ROAD

6:00pm-9:00pm

**TBIFF on the Road**

Alcona High School, Lincoln

### THURSDAY, JANUARY 24 - \$6

ON THE  
ROAD

7:00pm-9:00pm

**TBIFF on the Road**

Rogers City Theater, Rogers City

### FRIDAY, JANUARY 25 - \$30

6:00pm-9:00pm

**Great Lakes Gala:**

**Reception & Films**

Great Lakes Maritime  
Heritage Center, Alpena

### SATURDAY, JANUARY 26

**\$6 PER PROGRAM**

10:00am-5:00pm

**Films screened all day**

Great Lakes Maritime  
Heritage Center, Alpena

### SATURDAY, JANUARY 26 - FREE

3:00pm-5:00pm

**Filmmakers' Panel  
& Student Films**

Great Lakes Maritime  
Heritage Center, Alpena

### SATURDAY, JANUARY 26 - \$15

6:00pm-9:00pm

**Evening Films**

Great Lakes Maritime  
Heritage Center, Alpena

### SUNDAY, JANUARY 27

**\$6 PER PROGRAM**

10:00am-5:00pm

**Films screened all day**

Great Lakes Maritime  
Heritage Center, Alpena



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We're proud to support the **Thunder Bay International Film Festival!**



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