

Ashi-niswi giizisoog (Thirteen Moons)

Gashkadino-giizis

Gashkadino-giizis is the Freezing Moon. The new moon begins November 23. Other names for this moon are Adikomemi-giizis, the Whitefish Moon.

Introducing FDL Resource Management Green Corps Member, George Knutson

Welcome to our new Green Corps Member, George Knutson! He will be serving with the Fond du Lac Environmental Program through August 2019. If you see him, please welcome him!

Here is some things about George: Hello! My name is George Knutson and I will be serving in the Resource Management Division for the Fond du Lac Band of Lake Superior Chippewa as a MN Green Corps member for the next eleven months.

I'm originally from Maplewood, Minn. which is about 10 miles east of St. Paul. I didn't like the Cities much so I decided to attend the University of Minnesota-Duluth. In 2016, I graduated from UMD with a degree in Environment and Sustainability and GIS. After I graduated, I worked in the City of Duluth's planning office for the summer and then served as a MN Green Corps member in Carlton County's Zoning and Environmental Services Office. I enjoyed my first year in the program so much that I decided to serve a second time.



George Knutson

Living in Duluth the past six years has really increased my love for the natural environment. Land, water, air, flora, and fauna, I've learned how important these resources are to a healthy environment. Being able to work on projects that directly affect these natural resources and the people that rely on them is really exciting for me. Some of my projects for this year include mapping renewable energy projects and assisting with the We Are Water MN event that Fond du Lac Band of Lake Superior Chippewa will be hosting in March.

Even after one day in the office I've already learned about so much important and fun work going on at the Resource Management Division. I look forward to the next eleven months where I hope to make a positive impact with all of the work I'll be doing!

To end, here are five things that I love (besides the natural environment): being physically active, anime, many types of games (cards, board, video, etc.), sleep (especially naps), and all kinds of foods.

Gichi Manidoo Giizis Traditional Pow Wow "Taking Care of the Land and Community"

Saturday January 12th, 2019



**Registration: 10am
Grand Entry: 1pm & 7pm
Feast at 5pm**

**Black Bear Casino Resort
Otter Creek Event Center
1785 Highway 210
Carlton, MN 55718**

Hotel Reservations: 1-888-771-0777

Free Admission--Open to the Public --Alcohol & Drug Free Event

Join our event on the 13 Moons Ashinisiwi giizisoog Facebook page

Taking Care of the Land and Community
Info booths and displays of Tribal, State and Federal programs
involved in taking care of the land and community.

Vendor tables available

For more information contact:

Nikki Crowe 218-878-7148



Sponsored by
Fond du Lac Band of Lake Superior Chippewa
Fond du Lac Tribal and Community College
USDA-NIFA Funds



Sign up to the 13 Moons listserv for the latest information on workshops and events by emailing thirteenmoons@fdlrez.com

Don't forget to check us out on Facebook! 13 Moons Ashi niswi giizisoog

This page addresses culture, ecology, and natural resource management. Thirteen Moons is the Fond du Lac Tribal College Extension Program and is a collaboration of Fond du Lac Tribal and Community College, Fond du Lac Resource Management, funded by the USDA-National Institute of Food and Agriculture.

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Adventures of Shipboard Science workshops 2018

Over the summer and fall, Nikki Crowe, 13 Moons Program Coordinator dared to venture out of her comfort zone of the northern Fond du Lac forests to learn about water quality on the Great Lakes. Most recently she spent the day on the research vessel Blue Heron, braving the cold waves on Lake Superior. The goal was to learn more about the research of the sediment dwelling Diporeia located in the Lake Superior, “Ring of Fire” with graduate student Kirsten Rhude and Dr. Bob Sterner of the Large Lakes Observatory. Research shows the macroinvertebrate, Diporeia as a food source for native fish in the lake has been disappearing. On this Shipboard Science workshop we learned more about designing research to answer a question, collecting, identifying, studying, and preserving aquatic organisms, how to characterize different lake sediments and water quality; why differences matter; seasonal changes in Lake Superior; how “small stuff” (plankton, sediment invertebrates) affects Lake Superior food webs and ecology; data collection, graphing, interpretation; and making it work in the classroom or workshops.

In August, Nikki took her first Great Lakes adventure on the tall ship *Denis Sullivan* on Lake Michigan. Including water quality and sharing curriculums with educators from Wisconsin and Minnesota, Nikki learned about using social media to share her experiences. Here is a blog post from her time on the *Denis Sullivan*:

Day 1 on the Denis Sullivan by N Crowe

So far the nervous anticipa-

tion has given way to impatient anticipation. They said the time on the ship was like an airport, hurry up and wait, hurry up and wait some more. They were right. While we waited we measured and collected data on water quality at the harbor. We met the crew, found coffee, and learned how to use the head, aka the john, the loo, the toilet. It's a special process to flush that requires pumping a vacuum to create a seal to suck down the waste. Lake Michigan has a policy of not allowing ships to empty out loo waste into the waters so it stays with us in the bowels of the ship to be disposed of safely in port. I miss my bathroom.

The Captain mentioned weather today which meant there would be rain, wind, and a cold front moving in. We are reminded the Denis Sullivan sails in any weather. The part the ship engineer was waiting for arrived and we were on our way in no time. There was more safety and ship etiquette and duties assigned. In case of emergency one can rest assured I will have a fire extinguisher in case of fire, assist in spotting in case of man overboard, and will help gather personal flotation devices in case we abandon ship. You can find me on life raft #3 just in case. Keeping in mind, as a rule, we take care of ship, shipmates, and self. I like the idea of taking care of others first, very communal minded. I miss my family.

Getting to know the crew they told us about the tradition of tattoos to honor their travels. This may have started as ships traveled a few hundred year ago, encountering the Polynesian and taking on their practice of tattoos. The shell back is

for going across the Equator, the anchor for going across the Atlantic Ocean, the dragon for crossing the International Date-line, a band of rope for deckhands, crossed anchors on the web of the hand for boatswain. Respectfully, U.S. Navy crews have their meanings for tattoos in some of these same symbols. To learn more I plan to visit a web page suggested by Katherine the crew member, www.lucybellwood.com. The crew members have thoughts on new tattoos for crossing all of the five Great Lakes; the honored symbol would be that of a Sturgeon. How appropriate, it is also an Ojibwe clan symbol. Additional honors would be that of the Swallow for reaching 5000 nautical miles. The crew is knowledgeable, funny, quirky, and talented. I was surprised the Captain is a woman and the women crew members equal the men, if you count Huck, the dog. My expectations of what the crew would be like were way off and I was delighted. I miss my pets.

I was given Station # 19 for my aforementioned responsibilities, but also to be present and accounted for throughout the day. We start the count with #1 for the Captain, onto the crew members, #2 through #13 and then us Educators call out our numbers, or yell to be heard is preferred. As Educators we are in collective agreement that this is an effective way to account for students in class and at camp. Last week I counted kids over and over again, but no more! Next year, we get station numbers and we muster maybe on the hour, every day. I miss my home. Noticing the pollution in the port waters, plastic needles, plastic bottles, and

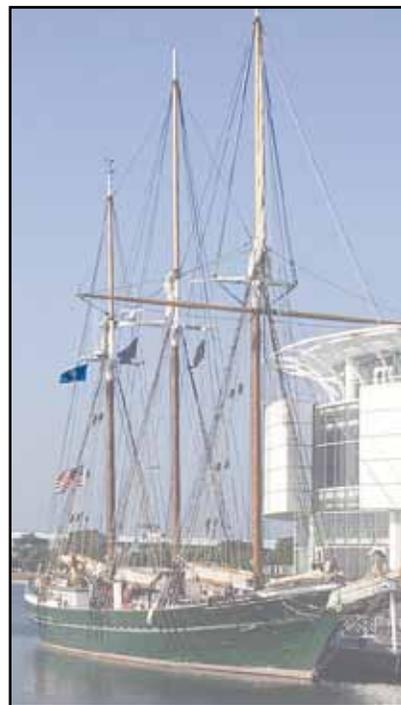
Styrofoam, a suggestion was made to bring along dip nets to collect and dispose of the waste, the way we do beach cleanups. We can do our part while we are here learning about the Great Lakes. I miss my coworkers.

Being away from all that is familiar and new to sailing is like having a new pair of eyes, but in some ways things stay the same on water as they do on land. In the last two days we have learned about invasive species, water quality, and the history of the lakes since the 1600's. The missing part is the history of the tribes and their relationship to the Great Lakes. There is so much more to know about the original inhabitants of these waters and how the tribes manage and protect the waters today through government to government collaborations and treaty rights. For more information, a good place to start is at the Great Lakes Indian Fish and Wildlife Commission website: www.glifwc.com they have much to offer in educational resources. I miss my community.

This trip has so far been extraordinary, there is so much to share, so much more to learn in the next few days and so much to take home and share with staff and teachers. Here's hoping to see you next time as a new mentor!

Miigwech. Thank you.

To learn more about the Shipboard Science workshops you can visit: <http://www.cgll.org/day-1-s-v-denis-sullivan-from-nikki/>
The Shipboard Science workshops were sponsored by the Center for Great Lakes Literacy, Minnesota Sea Grant, Wisconsin Sea Grant and UMD Large Lakes Observatory.



Ashi-niswi giizisoog Ojibwemowin Page

Anishinaabemowin Lessons

Basic Ojibwe words and phrases:

Double Vowel Chart

This is how to pronounce Ojibwe words.
All consonants sound the same as in English.

“Zh”- sounds like the “su” in measure

“a”- sounds like the “u” in sun

“aa”- sounds like the “a” in father

“i”- sounds like the “i” in sit

“ii”- sounds like the “ee” in feet

“o”- sounds like the “o” in go

“oo”- sounds like the “oo” in food

“e”- sounds like the “ay” in stay

Colors

Black- Makadewaa

Red- Miskwaa

White- Waabishkaa

Blue or Green- Ozhaawashkwaa

Brown or Yellow- Ozhaawaa

Source: www.ojibwe.org/home/pdf/ojibwe_beginner_dictionary.pdf

Ashi-niswi giizisoog BIGADA'WAA WORD SEARCH

Find the Ojibwe words in the puzzle below

M G F O G V C L B G H W H R Q N D H N T
 W I D H E S T E I I I T O Z I R N J O B
 C N Q C B P I Q Z H X L G I I N X M O T
 M X I E N J Z Z H Z M G W R W I D N B Q
 J I Q N G Z B N I I V I T S A A N I I G
 F O D H G J C I G I N T R G S Q Q K B A
 O Z B A N O Z O W G G K T O Y Y P W O G
 D G E H A G D S M E Y O D Q E A R A G X
 K M E Z P S A W V I K I G R Q S H A N T
 N Y B C Z A W N A M B T C N A M Y J I N
 U I Y G W V R I S A R I Y T I C V I N P
 Q H D H I A R J I N S Q D J N N V G A R
 X W S M V F X G Z A Y W M R Z B R A M N
 W I F E U F A W I O N J I D V T F N Y J
 N A N A A N M N W G Z H A A N G A S W I
 X C P F S F W B S N P J E Z L G R N G B
 Q M D I B A A B I I S H K O O J I G A N
 X P X G A L U H N N D G R X W S O Q W H
 I W S A A W H Z I I N F U I H H T E T E

One	Bizhig
Two	Niizh
Three	Niswi
Four	Niiwin
Five	Naanan
Six	Ningodwaaswi
Seven	Niizhwaaswi
Eight	Nishwaaswi
Nine	Zhaangaswi
Ten	Midaaswi
One week	Ningo anami'e giizhig
One month	Ningo giizis
One year	Ningo biboon
Pounds	Dibaabiishkoojigan
Gallons	Mnikwaajigan
Miles	Dasodiba'igan

Source: www.ojibwe.org/home/pdf/ojibwe_beginner_dictionary.pdf