

Rahθe?kyeháh 2013

SKARU:RE? MONTHLY

2013 TUSCARORA MIGRATION PROJECT

Needs
YOUR
Help!

See how you can
contribute to the
project

Pg 6

INTERESTED IN A COLUMBUS DAY WEEKEND TRIP WITH HEYC?

Come discuss the the possibilities
and give your input **September
26th, 6PM** at our environment
office.

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TUSCARORA ENVIRONMENT

Haudenosaunee Environmental Task Force

SKARU:RE? MONTHLY

Volume 4, Issue 3 - September

COMING UP...

October 12th, 2013 - *5k Zombie Run and Obstacle Course*, at the Cattaraugus Community Center. Test your zombie apocalypse survival skills on a 5k obstacle course or volunteer to become one of the undead. All participants are invited to a post-run meal. \$15 registration before 9-30-13, \$20 registration up to 1 hour before race begins. Race begins at 2PM. FMI: Maritzalyn/Whitney at 532-8450, or email: maritzalyn.mercado@sni.org, whitney.brooks@sni.org

October 19th, 2013 - *Tuscarora Community Fair*, at the Tuscarora Health and Community Center, 5226 Walmore Rd, Lewiston. Booths open at 12:00pm, Dinner served at 5:00pm, Auction begins at 7:00pm.

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Photo Taken by
Bryan Printup

ON THE COVER:

Over 90 ft. drop on the north side of Hogback Mountain, located in Shenandoah National Park, VA. During the hiking segment of the Migration Project, Warriors climbed and conquered more than 260 miles over 13 mountains. It took them 33 days. See facts about natural occurring migrations on page 8.

The **SKARU:RE? MONTHLY** is the official publication of the Tuscarora Environment Office. You can submit articles, artwork, photographs, editorials and letters of admiration to:

SKARU:RE? MONTHLY
c/o: Tuscarora Environment
5226E Walmore Road
Tuscarora Nation
Via: Lewiston, NY 14092
Or call: #716.264.6011

Visit the TEP website at:
www.tuscaroraenvironment.org
or
our Facebook page
"Tuscarora Environment"

Tuscarora Environment

Haudenosaunee Grand Council

Tuscarora Council of Chiefs and
Clanmothers

HAUDENOSAUNEE ENVIRONMENTAL TASK FORCE (HETF)

— Oren Lyons, Political Co-Chair
Henry Lickers, Scientific Co-Chair

— David Arquette, HETF Director
Noah Point, Assistant Director

TUSCARORA ENVIRONMENT PROGRAM (TEP)

— Neil Patterson Jr., Director
Rene Rickard-Printup, Administrator
Bryan Printup, GIS/Planning
Patti Fischer, Habitat Restoration
Waylon Wilson, Technician

Following the United Nations Earth Summit in Rio de Janeiro in 1992, the Haudenosaunee held a Grand Council to discuss the environmental degradation of our communities. In accordance with the Great Law of Peace, the Grand Council passed and agreed, based on Haudenosaunee protocols and cultural beliefs, to establish the Haudenosaunee Environmental Task Force (HETF).

TWO ROW



By Kimberly Hill

The trip that started at Onondaga Nation and went more than 28 days and 360 miles, all the way to the United Nations in New York City and even the Atlantic Ocean, has finally come to end on August 11. There were two parts of the trip, the first one (Onondaga to Albany) was smaller than the second part (Albany to NYC). There was a festival on July 27th to celebrate the start of the second leg to share the message of the Two Row Wampum Renewal Campaign. It brought the Two Row Wampum to life by reminding and educating people about the treaty that was made 400 years ago between the Haudenosaunee and the Dutch immigrants.

The first day of the paddle in Albany started with more than 200 people on the water and we organized ourselves in a unique way. We travelled down the Hudson in two separate rows, like the wampum, with a combination of different indigenous peoples on the west side and the allies (non-native peoples) on the east side. On the native side, it was not limited to those who were part of the Haudenosaunee but also natives from all over the country and the world like the Dakota

Nation Unity Riders. They came all the way from Manitoba, Canada and met us at certain points of our journey like the kick-off festival in Albany; one of the bridge crossings while we were going under it; at various campsites; and on our walk to the United Nations. Like the riders, more people would also join us on our journey down the Hudson River as we travelled on average between 9 and 15 miles a day.

This trip created a great amount of cultural significance to everyone and has received a lot of attention which made it even more special because that's what part of our message is: to let people know or be reminded about our culture and our treaty. It also creates a lot of good thinking, knowing that the Two Row Wampum Renewal Campaign has accomplished a lot of its goals from the journey but we've also learned that there is still a lot to do.

Nya:we to everyone who participated and supported the Two Row Wampum Renewal Campaign. 🍷🍷🍷



MORE INFO:

<http://honorthetworow.org/>

<http://www.theunityride.com/>



CAGE MATCH

GUEST HOST
Neil Patterson Jr

KUWAK vs. EUORUDD

There is another cage match brewing between the old and the new at Tuscarora. It's an underwater battle this time, between a quick and toothy native hunter and a small but tough European contender.¹ Will the Grass Pickerel rise from near dead to regain its rightful place in the Upper Niagara River? Or will the European rudd bury the pike for good on it's roll to the top of Niagara? It's another exciting Skaru:re Cage Match: Kuwak vs Eurorudd!

Grass Pickerel were once a common sight at Tuscarora, stacked up in the pools and riffles of Gill Creek on their springtime march to the swamps. The Skaru:re word for pike is "kuwak." Kuwak are referenced in oral history interviews collected by the Environment Program, and fisherman still describe the grass pike as the smaller of the two types of pike arriving at Tuscarora each spring.² The spawning runs of these pike and its larger cousin Northern pike from the upper Niagara River to the reservation have provided a source of food and enjoyment to many generations of Tuscarora families.

Grasspike love clear water and thick aquatic vegetation. Like most of the pike family, the grass pickerel is a top predator and hunts by sight, stalking or ambushing other fish. They migrate upstream in the spring to spawn, covering long distances to find shallow marshes where fertilized eggs are scattered over wetland plants. They are intolerant of murky water and areas that have been extensively channelized or ditched.

Several factors have likely contributed to grasspike decline in the Gill Creek system: urbanization and channelization of tributary channels; the rerouting of Gill Creek for the construction of the Lewiston Reservoir; the construction of the Hyde Park Lake Dam blocking fish passage to most of the Creek; and industrial processes and water control



structures along Buffalo Avenue near the mouth of the creek. These should have all but extinguished any hope of restoring Niagara grass pike populations.

a new challenger approaches...

RUDDY RUDD PIPER



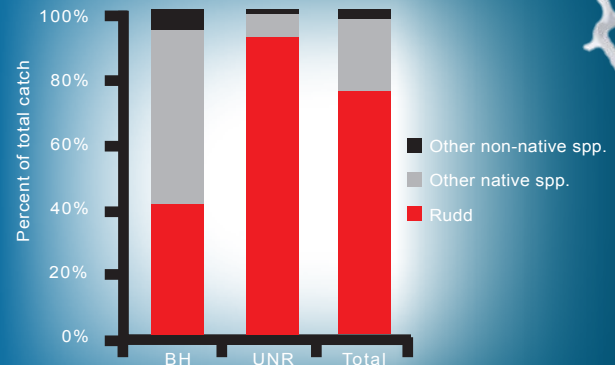
hopped in the ring.

The common rudd is in the minnow family. It is a very close relative to the native golden shiner. They came to North America from Europe as a food and game fish in the early 1900s. Rudd prefer to live in stagnant water with thick vegetation, but they can adapt to almost any environment, including poor water quality conditions. The Eurorudd is omnivorous, and can shift from feeding on algae to plants to insects.



Rudd stuffed in an upper Niagara River trapnet

There is also some evidence to suggest rudd may increase nutrient pollution from undigested waste. If true, rudd could put the squeeze on sensitive fish like the grass pike by changing its own environment—another chemical black-out move so common to North American invaders. To top it off, rudd can hybridize with native golden shiners and maybe even pike.³ Talk about infiltration!



Catch data from the Buffalo Harbor (BH) and the upper Niagara River (UNR)

The impact Eurorudd will have on kuwak and other native Great Lakes species is still unknown. Current observations show the Eurorudd already have a strong hold on certain areas of the Upper Niagara. Biologists from the SUNY College of Environmental Science and Forestry are studying rudd in the Niagara. Kevin Kapuscinski, lead researcher recently reported: “In just ten days of trap-netting my crew marked more than 15,000 rudd! We are currently working on obtaining recaptures by electrofishing to estimate the abundance and biomass of rudd in Buffalo Harbor (Lake Erie) and the upper Niagara River. Several other studies are also underway to help determine the effects of rudd on ecosystem structure and function.”⁴

Although Niagara rudd populations look like they aren’t going anywhere for the time being, grass pike may possess enough native resiliency to resist the onslaught. There is however, another slight possibility that may tip the scale—a website⁵ is now advocating for the human consumption of North American colonizers like rudd. Gobi-stuffed rudd with a side of knotweed sprouts—anyone? 🍷🍷🍷

SOURCES:

1. Grass Pike Feeding <http://www.youtube.com/watch?v=poFbrn5wo-8>
2. Tuscarora Nation Environmental Impact Statement: Niagara Power Project (November 2006)
3. http://fl.biology.usgs.gov/Carp_ID/html/scardinius_erythrocephalus.html
4. <http://masquinongy.wordpress.com/>
5. <http://eattheinvaders.org/>

Other References:

- Nico, L., P. Fuller, G. Jacobs, J. Larson, and A. Fusaro. 2013. *Scardinius erythrocephalus*. USGS Nonindigenous Aquatic Species Database, Gainesville, FL.
<http://nas.er.usgs.gov/queries/factsheet.aspx?SpeciesID=648> Revision Date: 3/8/2012
<http://nas.er.usgs.gov/queries/factsheet.aspx?SpeciesID=648>
http://www.dnr.state.oh.us/Home/species_a_to_z/SpeciesGuideIndex/grasspickereel/tabid/6643/Default.aspx

Eradicating Plum Pox

By Kimberly Hill

Nya:we to those who allowed us to take samples for Plum Pox Virus testing. A few things you should know before we hear back about the results. As we our hoping for all negative results, we do have to prepare for any positive ones.

Currently, there is no cure for PPV; to stop any further spread of the virus, the best preventative choice is to cut down the tree as well as any shoots it may have. Along with having to dispose of the infected tree, the area of eradication cannot be planted on for the next three years.

If we do get any positive results back, we will be in contact with whomever to figure out what to do with the infected tree and find possible replacement trees. If you do not hear back from us then the samples came back negative. ¶¶¶¶¶

2013 TUSCARORA MIGRATION PROJECT Needs YOUR HELP!



Jacob Henry



Milo Jacobs

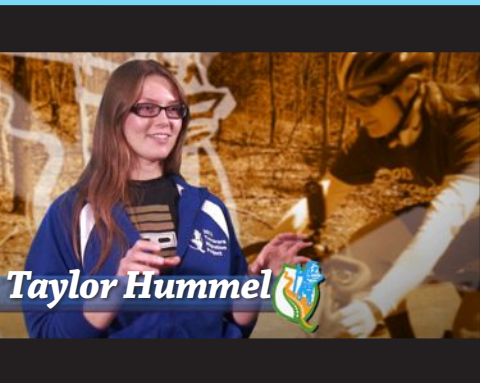


Paul Williams

That's right, 1,300 miles later and the Tuscarora Migration Project is still moving about. *Warriors* from the migration are still representing the Tuscarora Nation and sharing their message of cultural survival, climate shift and human-powered movement. Migration participants have been conducting interviews and telling stories from the 70 day excursion; sharing their thoughts and perspectives from their personal experiences during the commemorative reenactment. The Tuscarora Migration Project is assembling a documentary on the historical event and is gathering footage from the migration to be used in the video.

How can you help?!

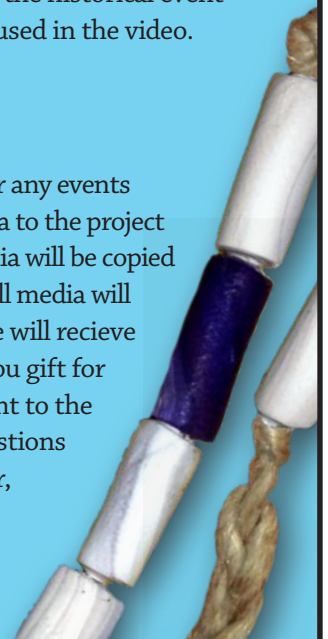
If you have any photos or videos of the migration, or any events relating to the migration, you can donate your media to the project to be put toward the documentary. All donated media will be copied and the original data will be returned back to you. All media will be credited to the original owner. Those who donate will receive a complimentary hand-made bracelet as a thank you gift for your contribution. Media donations may be brought to the Tuscarora Environment office. If you have any questions contact Waylon Wilson at our office phone number, 716.264.6011, or email: wwilson@hetf.org. ¶¶¶¶¶



Taylor Hummel

www.TuscaroraMigration.org
Facebook: 2013 Tuscarora Migration Project

Be a part of history.



HEYC Excursion

Columbus Day Weekend

The Haudenosaunee Environmental Youth Corps (HEYC) is looking to gather participants for an upcoming trip during Columbus Day Weekend. The pending dates are October 10th-14th. A meeting will be held **September 26th, 6pm**, at the Tuscarora Environment Office to discuss details. Details include: finalizing the dates, choosing where to go and type of excursion (i.e. hiking, canoe/kayaking). All are welcome, high school students are encouraged to attend. Come be a part of the discussion. If interested, call or email our office and leave your name and number and we will notify you of the trip's final details. ☎️

One Word at a Time...

uhya?k
(oo-hyu-k)

SIX

Meaning: Six, When counting on one's fingers, the act of "crossing over" from five to six accounts for the number six.

Translation: <cross-over>



COMIC SUBMISSION!

By Osias Fischer, Age 15



Send us your own comic submissions and see it published in our next newsletter!
Stop by our office or email submissions to wwilson@hetf.org

SKARU:RE? MONTHLY

Tuscarora Environment Program

5226E Walmore Road

Tuscarora Nation

Via: Lewiston, NY 14092



Skaru:re? Resident

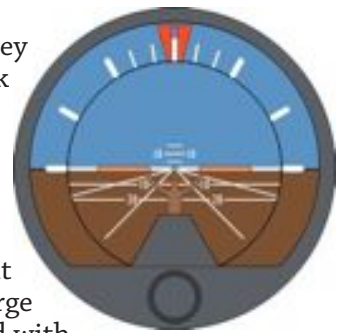
Did You Know...



Butterflies are known for their long-distance migration, a feat made even more amazing because the fluttering insects heading south each fall are about four generations descended from the ones that left Mexico the previous spring.

<http://www.usatoday.com/story/weather/2013/08/22/monarch-butterfly-population/2687621/>

When birds migrate they are not only flying back and forth between the northern and southern hemisphere, but a third dimension is also included: altitude. It has been reported that a Ruppell's Griffin (a large African vulture) collided with an aircraft at 37,000 feet; about 5 miles high!



<http://www.birds.comell.edu/AllAboutBirds/studying/migration/pathways>

Migrating birds use the stars for navigation, as well as the sun, wind patterns and landforms, all of which help guide them to the same locations each year.

<http://birding.about.com/od/birdbehavior/a/15-Fun-Facts-About-Bird-Migration.htm>



Hawks, swifts, swallows and waterfowl migrate primarily during the day, while many songbirds migrate at night, in part to avoid the attention of migrating predators such as raptors.

<http://birding.about.com/od/birdbehavior/a/15-Fun-Facts-About-Bird-Migration.htm>