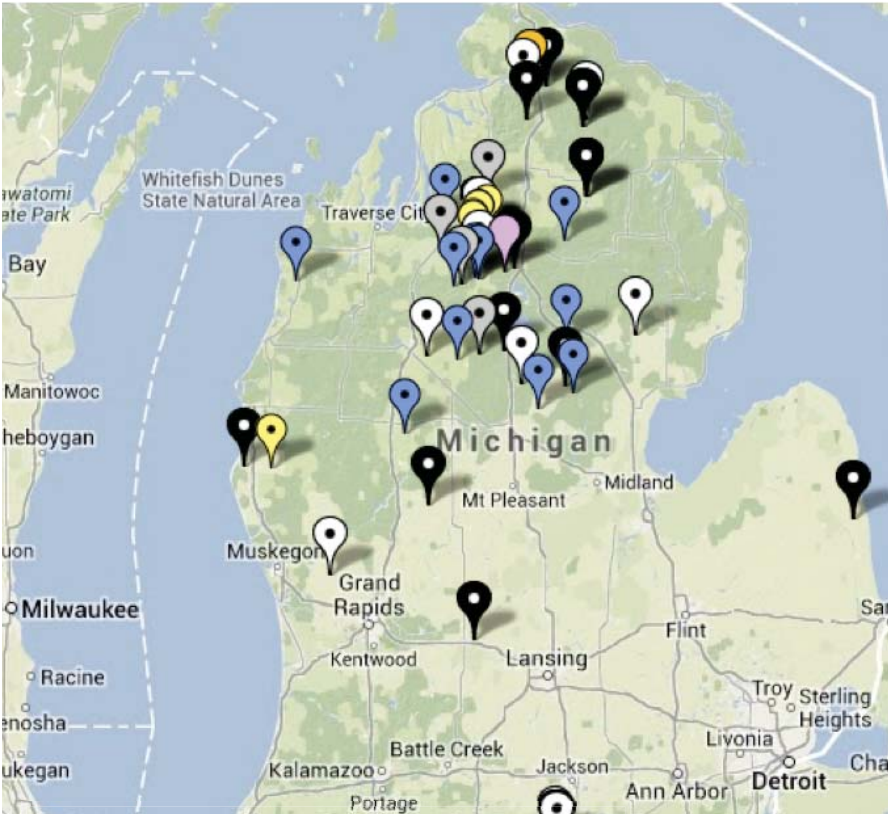




Huge Expansion of Water Withdrawal for Fracking: A Game-Changer



With the advent of high volume, horizontal, slick water hydraulic fracturing in Michigan, the DEQ has repeatedly stated that its existing regulatory practices are sufficient to deal with the impacts of this new technology. However, new data concerning water usage in Michigan gas wells make a strong case for at least a moratorium on new well permits until the potential impact can be considered and addressed.

What are the new figures?

The shallow vertically fracked Antrim wells from the past 40 years used on average about 10,000 gallons of fresh water per well. Typical estimates for the newer high-volume horizontal wells have been around 3 to 5 million gallons, enough of a concern in and of themselves. However, recently, two wells of the Encana Co. in Kalkaska County reported using about 20 million gallons, and 13 new Encana pending permits (all in Kalkaska county along Sunset Trail just north and south of M72) propose the following water usage:

continued pg. 2

MAP LEGEND from respectmyplanet.org

- Dry Hole
- Waste Disposal
- Gas
- Oil
- Water Injection
- Applied or Not Applied For Yet
- Gas Injection
- Location Hole or Permitted Well
- All Others

Wells	Gallons
Excelsior 3-12, 4-12 & 5-12 HD1	69,300,000
Oliver 4-25, 5-25, 1-13, 2-13 & 3-13 HD1	132,300,000
Excelsior 1-11, 1-12, 1-14, 2-12 & 2-14 HD1	115,500,000
TOTAL	327,100,000

Fracking continued from page 1



By
Nancy Shiffler;
Chair; Sierra Club
Huron Valley
Group

*Nancy Shiffler is
co-chair of the
Chapter Beyond
Natural Gas and
Oil Committee.*

These withdrawals are all in the Manistee River watershed, where close to 67,256,000 gallons have already been removed for gas/oil development on Encana sites. In addition, the Garfield 1-23 HDI has been permitted, and proposes using 10,080,000 gallons to complete the extraction. Additional permitted wells in the Kalkaska, Crawford and Roscommon Counties propose use of 39,900,000 gallons. These numbers are far in excess of the 3 to 5 million gallons we were led to believe were the amounts required for the new type of gas/oil well completion. This is enough water to complete 32,000 conventional natural gas wells in the Antrim shale (nearly three times the existing 12,000 Antrim wells). It is more water than is being used per well in any natural gas play in the U.S.

What are the potential problems?

Withdrawing that much water from individual watersheds will have an unknown, cumulative, negative impact on ground water and surface water supplies. If, instead, some portion of the water is trucked in from some other watershed, not only would that watershed be impacted, but also the volume of truck traffic in and out of the well pad would increase significantly.

- Larger volumes of water mean larger volumes of fracking chemicals, which must be trucked into the drilling sites, with greater potential for spills and ground water contamination.
- 30 to 70% of the water will return to the surface with the hydrocarbons, waste which must be trucked to an

injection well. Taking a middle ground estimate of 50% of the water returning to the surface, that would amount to 163,550,000 gallons of waste from these proposed new Encana wells. Accumulated over many wells, the state's capacity to safely develop and maintain many more injection wells must be assessed.

- The waste disposal truck capacity is 6,384 gallons. Again using the 50% flowback rate, this would mean 25,618 truck trips one way to a disposal well from these 13 Encana wells. The result is more air pollution from diesel truck engines and more wear and tear on country roads.

The DEQ does not appear to have anticipated the use of these volumes of water. If this becomes the norm, we will be wasting one of our most precious natural resources—our fresh ground water. The Department should halt issuing new permits until it has thoroughly reviewed the potential impacts and can demonstrate to the Michigan public its capacity to protect our water resources.

For mapping and information describing and monitoring current drilling sites, check out the on-going work at respectmyplanet.org



The Huron Valley Group Newsletter is published 3 times a year by Huron Valley Group, Michigan Chapter, Sierra Club, 621 Fifth Street, Ann Arbor, MI 48103

—NEW Clean Car Update!—

Welcome to the new Clean Car update. My new clean car is the Ford C-Max Energi plug-in hybrid. The C-Max is a new model for Ford in North America, although it has been available in Europe for many years with a variety of powertrains. In North America, the C-Max is only available in two models, the Hybrid and the Energi. Please don't be confused by the model names, they are both gasoline-electric hybrids, but the Energi can be plugged in to charge its larger battery. This is the car I drive so I will concentrate on that model in the rest of the article.

The Energi is advertised to run 20 miles or more on the battery at up to 85 miles per hour without using a drop of gasoline. In my experience, the weather conditions affect the battery performance. In the winter, the electric cabin heater reduces electric driving range to about 15 miles. In warm weather, I routinely travel over 20 miles on the battery. This is enough range to get me from home to my workplace and about halfway home. When the battery is depleted, or if I need extra power, the gasoline engine starts up automatically. Even when the gasoline engine is running, the car is still a hybrid, so the electric motor can add some power if needed, and every time I press the brake pedal, I charge the battery.

I charge my C-Max Energi mostly at home in my garage every night using a standard 120 Volt outlet. A full charge of 7.5 kiloWatt-hours takes about 6 hours and costs less than a dollar. A high-power 240-Volt charger unit would fully charge the battery in about 2.5 hours, but I don't expect to buy one for home use. Away from home, I can charge from stations at some stores, shopping malls and parking garages. For example, several of the Ann Arbor city parking garages have a few spaces with charging stations. I have used a few of them and so far I have not had to pay any extra for charging. I am told that my workplace will be installing some charging stations for employees later this year. I hope that is true, because I would then

be able to drive to and from work completely electrically.

The C-Max Energi has an elaborate information display system that keeps track of miles driven, gallons of gasoline used, and kiloWatt-hours of electricity used. With a little bit of record keeping and some arithmetic, I can figure miles per gallon in hybrid mode and miles per kiloWatt-hour in electric mode. By including the costs of the gasoline and the electricity, I can figure miles per dollar in each mode. For this analysis, my average gasoline cost was \$3.59/gallon and electric price was \$0.12/kWh. To convert between kWh and gallons gasoline, I used the EPA equivalent value of 33.7 kWh/gallon gasoline.

By
Alan Richardson

Purchase date: 18 December 2012
Report date: 30 July 2013
Total miles: 10,890
Electric miles: 46%
Overall fuel economy: 49.6 mile/gallon

	Gasoline	Electric
Miles	5927	4963
Fuel used	220 gallon	1041 kWh
Fuel price	\$3.59 / gallon	\$0.12 / kWh
Fuel cost	\$787	\$125
Mile / \$	7.5	39.7
\$ / mile	\$0.133	\$0.025
Savings / mile electric		\$0.108
Savings by driving electric:		\$534

This data shows the remarkable difference in efficiency of an engine burning gasoline compared to an electric motor running from the battery. I can drive over 5 times as far on a dollar of electricity as I can on a dollar of gasoline. This is not due to the fuel cost. At 33.7 kWh/gallon equivalent and \$0.12/kWh, a 'gallon' of electricity costs \$4.05, much more than gasoline. Needless to say, I try to drive on electricity as much as possible.

WICO Visits Leslie Science Center

By
Jackie Ganfield



On August 19th, the Washtenaw Inner City Outings (WICO) Sierra Club group took eleven children, two adults, and two community center volunteers with three Sierra Club trip leaders to the Leslie Science and Nature Center in Ann Arbor.

Our outing began at the Critter House where the children were able to get up close with an iguana, turtles, frogs and other reptiles. The center was kind enough to allow an intern/volunteer show the children a snake on a busy Saturday. He gave the children and adults a 20-minute talk about the snake and its habits and unique traits. The intern/volunteer even walked around with the snake and passed around a snakeskin from a previous molting process. Everyone was able to run their fingers over the snake's scales and the most common response from the children were, "its skin is so smooth!" The children were mostly fascinated and excited, while some were obviously out of their comfort zone (in a growth-oriented way). No one was forced to touch the snake or sit close to it if they were uncomfortable.

We then proceeded to the protected bird area where the children could get up close to a Bald Eagle,



a Barn Owl and many other hawks and owls. We all ventured around the outside cages for about 20 minutes and we were able to see the children interacting with the birds in fascinating ways. Some children would venture a few cages down the path to spend alone-time with a particular bird to learn more about it from its name card and explore a charming aspect of the bird, whether it was its behavior, sounds or gentle simplicity.

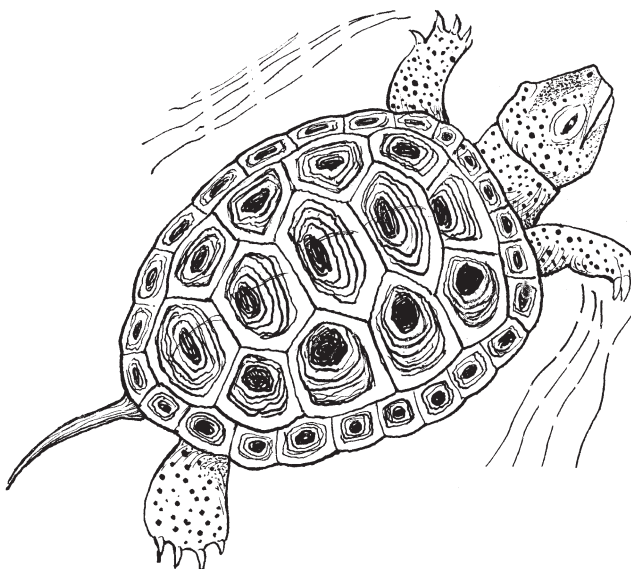
The children became hungry so we decided to serve lunch before our hike in the Project Grow community garden called the Discovery Gardens. The children were able to see urban farmers tending to their plots and even got to learn a bit about vermiculture. Next, we started on our hike to the black pond, about 15 minutes from our lunch site. The hike took

continued on page 6





Washtenaw Inner City Outings at Leslie Science Center continued from page 5.



approximately 30 minutes round trip and the children were able to see a variety of natural settings. These included a primary forest, a pond known as the black pond, and a few fields with native wild flowers.

The children (and the participating adults) had an immense amount of enthusiasm and curiosity for all of the activities. The level of satisfaction and appreciation shown by the participants for the outdoors and the organization of the trip made every second of planning worth it!

This outing was the third I have been on with WICO and the first that I planned completely on my own (thanks to long-time trip leaders Barbara and Ralph Powell for a few tips and reminders!). This outing was my final step towards a complete leadership certification to become an official trip leader for WICO.

Sierra Club—Huron Valley Group Calendar



Participants in Sierra Club outings will be asked to sign a liability waiver. If you wish to read the waiver before coming to an outing please see <http://www.sierraclub.org/outings/chapter/forms/> or call 415-977-5630. When carpooling is used to facilitate logistics for an outing, participants assume the risks associated with this travel, as well. Carpooling, ride sharing and the like are strictly a private arrangement among participants. Park fees may apply. For up to date information, visit our website at <http://www.michigan.sierraclub.org/huron/>

Wednesday September 11, 2013 -- 5:00 pm – “Communicating Climate Science in the Disinformation Era”. The well-funded and coordinated efforts of climate denials on the internet pose a significant obstacle to the climate scientists and decision makers dedicated to educating the public about global warming. One of the most effective social media initiatives against climate denialism has been Peter Sinclair's 'Climate Denial Crock of the Week', the YouTube series that confronts and calls out climate deniers, deftly dissecting industry funded disinformation and propaganda. UofM Erb Institute (701 Tappan Street, Ross R2230, Ann Arbor, MI). Contact: jganfiel@umich.edu

Saturday September 14, 2013 -- 11:30 am -- Scio Woods Preserve Hike. Join us for a moderately-paced hike amongst woodlands, hills, and streams. About 3 miles. Dress for the weather. Cancelled if raining. About 91 acres of nature worthy of exploring. Call Kathy Guerreso for more details. Scio Woods Preserve (Scio Church Road (west of Wagner Road), Ann Arbor, MI). Contact: 734-677-0823.

Sunday September 15, 2013 -- 1:00 pm -- Fall Cedar Lake Hike/Swim. Waterloo State Rec Area. Hike to Cedar Lake in Waterloo, through mature woods and quality wetlands in Waterloo State Rec Area with ace outdoorsman Barry Lonik; optional swim afterwards. Either meet at the picnic tables in front of Zingerman's Roadhouse at 1:00 pm to carpool or at 1:45 at the trail. Directions: take I-94 west to Pierce Rd, go north to Bush Rd, turn left (west), go approx 1 mile to the Eddy Discovery Center access road. Meet at the lower (first) parking lot. Non-members welcome. Contact: jayhschlegel@comcast.net

Tuesday September 17, 2013 -- 6:30 pm -- Washtenaw Inner City Outings meeting. We welcome folks to get involved with Washtenaw Inner City Outings, and encourage you to become an outings leader. It's easy, fun and the trips we take create lasting, positive memories of time spent outdoors for the children we serve. Business/Organizational meetings are held five times per year (Jan., Mar., May, Sep., and Oct.), just prior to the monthly HVG general meeting. Room 164, Matthaei Botanical Gardens (1800 N Dixboro Rd, Ann Arbor, MI). Contact: joanwolf@umich.edu

Tuesday September 17, 2013 -- 7:30 pm – HVG Monthly Program: “Localization: What is in it for us?” Can living smaller be a plus for individuals and communities? Given anticipated decreases in natural resources and energy availability, perhaps before mid-century, Raymond De Young, UM SNRE & LS&A, will discuss adapting-in-place. The ultimate goals of this process of localization are sustaining, even improving, natural systems, especially those that directly support our communities, at the same time that we improve the long-term psychological well-being of people and societies. Free and open to the public. Non-members welcome. Refreshments provided. Matthaei Botanical Gardens (1800 N Dixboro Rd, Ann Arbor, MI). Contact: 734-665-0248 ritalmitchell@gmail.com



Sierra Club—Huron Valley Group Calendar continued

Sunday October 13, 2013 -- 1:00 pm -- Sackrider Hill Hike. Waterloo State Rec Area. Hike the rugged glacial interlobate ice contact zone with large hills and pocket wetlands with optional side trip to Sackrider Hill, one of the tallest points in the area with excellent views of fall colors, with ace outdoorsman Barry Lonik. Either meet at the picnic tables in front of Zingerman's Roadhouse at 1:00 pm to carpool or at 1:45 at the trail. Directions: I-94 west to Mt. Hope Rd (exit 150), go north (right) to Katz Rd, turn right (north), park along the road near the trailhead. Non-members welcome. Contact: jayhschlegel@comcast.net

Tuesday October 15, 2013 -- 6:30 pm -- Washtenaw Inner City Outings meeting. For detail information see September 17th Washtenaw Inner City Outings.

Tuesday October 15, 2013 -- 7:30 pm – HVG Monthly Program: “The State of Michigan State Parks”. Ron Olson, Chief of Michigan State Parks and Recreation and prior Superintendent of Ann Arbor parks, will give us a review of the status of our beloved state park system. Welcome Ron back to his Ann Arbor roots, where he was twice recipient of the HVG Public Official of the Year, learn about current state park developments and anticipated changes, and ask questions about your favorite parks. Free and open to the public. Non-members welcome. Refreshments provided. Matthaei Botanical Gardens (1800 N Dixboro Rd, Ann Arbor, MI). Contact: 734-665-0248 ritalmitchell@gmail.com

Tuesday November 19, 2013 -- 7:30 pm – HVG Monthly Program: “Isle Royale: Lake Superior Protects a National Treasure”. Vic Foerster, arborist and author of: 'Naked in the Stream, Isle Royale Stories', presents what he calls his peculiar insights on Isle Royale National Park. With over 30 years of visits to the archipelago, Vic has a passion for all things outdoors. Both protected and battered by Lake Superior, the remoteness of Isle Royale, with its isolated moose population and wolf pack, provides a wilderness preservation story that creates a fascinating blend of people, wildlife and object lessons for us all. Free and open to the public. Non-members welcome. Refreshments provided. Matthaei Botanical Gardens (1800 N Dixboro Rd, Ann Arbor, MI). Contact: 734-665-0248 ritalmitchell@gmail.com

Sunday November 17, 2013 -- 1:00 pm -- Annual Cedar Lake Esker Secret Hike. Waterloo State Recreation Area. Join us for our annual autumn Cedar Lake Esker hike with ace outdoorsman Barry Lonik. Hike the tallest esker in our area with stunning views of three lakes, on a 4-mile hike on trails which are off-limits to hunting. Either meet at the picnic tables in front of Zingerman's Roadhouse at 1:00 pm to carpool or at 1:45 at the trail. Directions: from Ann Arbor take I-94 west to the Pierce Rd exit, go north one mile to Cavanaugh Lake Rd, turn left and head west one mile to the Cedar Lake access. Contact: jayhschlegel@comcast.net

Tuesday December 17, 2013 -- 7:30 pm – “Great Adventures from Around the Globe”. The annual HVG member program. Share and inspire us with your travels! Send a Powerpoint presentation or 10-15 digital photos to Ed Steinman (lighthawkpilot@gmail.com); tell us about your adventures, near and far. Free and open to the public. Non-members welcome. Refreshments provided. Matthaei Botanical Gardens (1800 N Dixboro Rd, Ann Arbor, MI). Contact: 734-665-0248 ritalmitchell@gmail.com

Sunday December 22, 2013 -- 1:00 pm -- Annual Solstice Hike. Pinckney State Recreation Area. Welcome the return of the Sun on the Crooked Lake Trail in the Pinckney State Rec Area, with views of three lakes and rugged terrain, with ace outdoorsman Barry Lonik. Either meet at the picnic tables in front of Zingerman's Roadhouse at 1:00 pm to carpool or at 1:45 at the trail. Directions: take Dexter-Ann Arbor Rd west through Dexter and beyond to Dexter Townhall Rd, turn north (right), go past N Territorial Rd to the park entrance, turn left to the parking lot for Silver Lake. Non-members welcome. Contact: jayhschlegel@comcast.net.

Huron Valley Group ExCom Election

The Executive Committee (ExCom) of the Sierra Club Huron Valley Group (HVG) is responsible for administration and operation of the group. The seven members of HVG ExCom serve two-year terms, with an annual election of either three or four members. The election is at the end of the year, but the process leading up to the election starts many months earlier. The group bylaws and standing rules describe the schedule of events for each election and require that the schedule be announced to all members.

Any group member can seek nomination to be a candidate in the annual HVG ExCom election. Members willing to serve can be nominated either through the HVG Nominating Committee or by petition signed by at least 15 group members. No member may be nominated or elected against their will.

The HVG Nominating Committee recruits and selects candidates. This committee consists of at least three HVG members, one or more of whom shall not be an ExCom member, and none may be a candidate in the upcoming election.

The HVG Election Committee is responsible for production, mailing, receipt, and counting of ballots. It also consists of at least three group members, one or more of whom shall not be an ExCom member, and none may be a candidate in the upcoming election.

HVG members who wish to be considered for nomination before the Nominating Committee is appointed may inform the group secretary (Joel Dalton). The secretary will also assist members seeking nomination by petition. Ballots are normally counted at the conclusion of the December HVG general meeting, but the Election Committee may choose another time and place. Candidates or their representatives may observe the counting. Ballots and nomination petitions are retained until ordered destroyed by ExCom at their next regular meeting.

This schedule is defined by the group bylaws adopted April 6, 2000, and standing rules adopted October 5, 2000.

<u>Election event</u>	<u>Deadline to complete</u>
• ExCom appoints Nominating Committee	August ExCom meeting
• Nominees inform Nominating Committee of interest	September general meeting
• Nominating Committee selects nominees and informs ExCom and nominees of selection	September general meeting
• Nominees not selected by Nominating Committee deliver petitions to NomCom for consideration	2 weeks after Sept. general mtg.
• Nominating Committee declares final candidate list	October ExCom meeting
• ExCom appoints Election Committee	October ExCom meeting
• Election Committee prepares eligible voter list	15 October (or when newsletter list is prepared)
• Ballots mailed to all eligible group members	15 November (or when newsletter is mailed)
• Election committee accepts ballots	December general meeting
• Election committee counts ballots and informs secretary of results	31 December

By Gus Teschke &
Marti Keefe

Glendale Drive Condo development threatens west side neighborhood with increased flooding

*Neighbors around
Glendale Drive
ask Ann
Arborites
for help in
convincing
the city to study
storm water
before approving
16 condos.*

Photo credit:
Lynn Borset
Map credit:
Diane Robins

The news that a developer planned to build 16 condos at 312 Glendale Drive was not welcomed by many of the neighbors who live in the vicinity on Ann Arbor's west side. Flooding has been a problem in this area, and the development threatens to worsen it by drastically increasing impervious surface in this open area that has served as a giant sponge in soaking up storm water in this neighborhood. It raises questions of watershed management in the Allen Creek area.

The 2.5 acre Glendale site is part of a former orchard that has some mature trees, including old apples and pears, and a landmark butternut tree. The lot provides a nice green space for the residents of this densely populated neighborhood, including the seniors who live in Hillside Terrace to the west, who like their view of the old

orchard. It's beautiful in the winter under snow, and when the apples and pears bloom in the spring.

The threat of greater flooding of their houses prompted a group of neighbors to survey their neighborhood, and it revealed significant existing flooding problems. (See "Flooding Map from the Glendale Neighborhood Survey") They received a 50% response rate for 100 surveys, with 33 people reporting basement flooding, 24 with yard flooding, 18 with flooding in the adjacent street, and 11 with sewage overflow. In addition, 18 people reported extensive repairs were needed because of water damage.

The architect claims that the storm water detention system planned for the site is adequate for a 100-year storm but with the amount of flooding and backups already occurring in the neighborhood, many residents

question the validity of this claim. The city has no study of the Allen Creek watershed that might help settle this, despite years of flooding.

For years "Lake Abbott" has formed after heavy rains in a low-lying area in some back yards between Charlton and Abbott Streets, and had reached a depth of 22 inches at times. To deal with this problem, some residents installed catch basins and pumping systems

continued page 11



Glendale project continued from pg.10

at their own expense. "If we're running a detention pond for the city, couldn't we be paid to do it?" one neighbor joked. Unfortunately, without coordination by the city, one homeowner's efforts can worsen the flooding for another.

Here, as is common throughout Ann Arbor, footing drains connect to the sewer system, so storms can cause sewage backups in basements. This is the origin of the footer disconnect program the city started some time ago. This disconnect program was partially suspended temporarily because the city's solution was making flooding worse in some parts of Ann Arbor.

Because the current storm water pipes are not handling "normal" storms well, and the developer has not proven that the proposed detention system can handle a 100 year storm, the group has asked for a halt to the project until the city can study storm water and sewage systems to conclusively show that the development does not threaten greater flooding. They insist that the plan be brought into compliance with city law or the plan should be rejected.

"We are requesting that a storm water evaluation be

If you'd like to support them in their quest to keep dry, please email them at glendale-flooding@googlegroups.com, and visit glendalecondodevelopment.blogspot.com/?m=1

performed by the city, taking into consideration increasingly severe flooding, and we request that the development plan be brought into compliance with ordinances, prior to its approval," Diane Robins and Kira Slovacek wrote in an email to city staff.

The city has a project underway to calibrate its storm water system, but it will not produce results in time to inform city council's decision on the Glendale development.

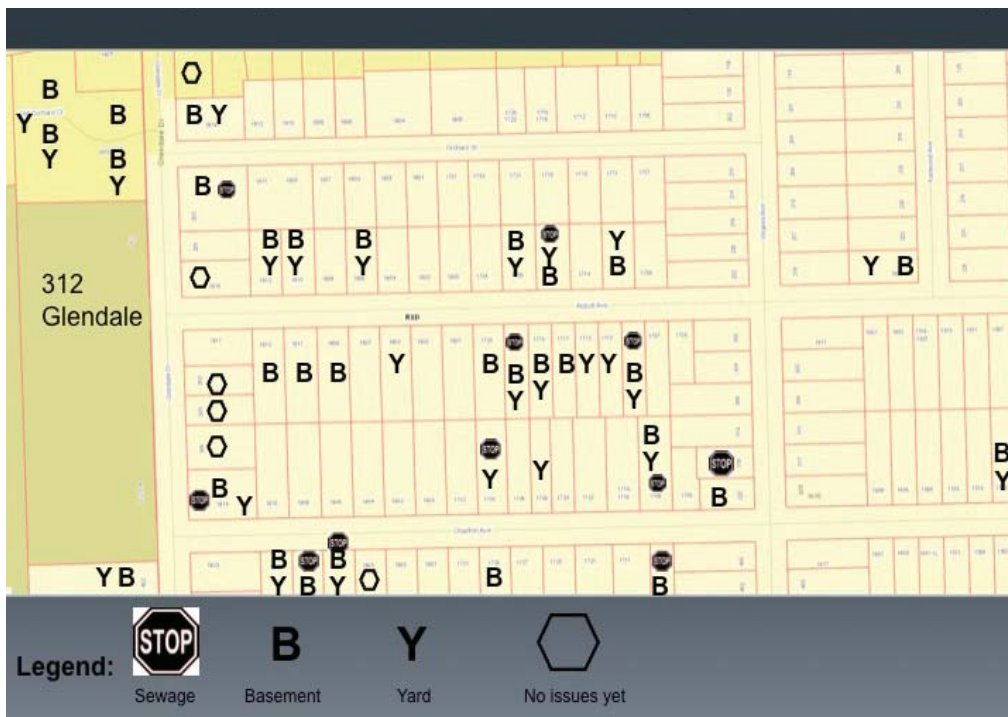
One long-time resident, Tom O'Connell, who has lived on Orchard Street for 47 years, remembers flooding in the late 60's was so bad that neighbors filed a class action lawsuit against the city, which the city settled with payments to the litigants.

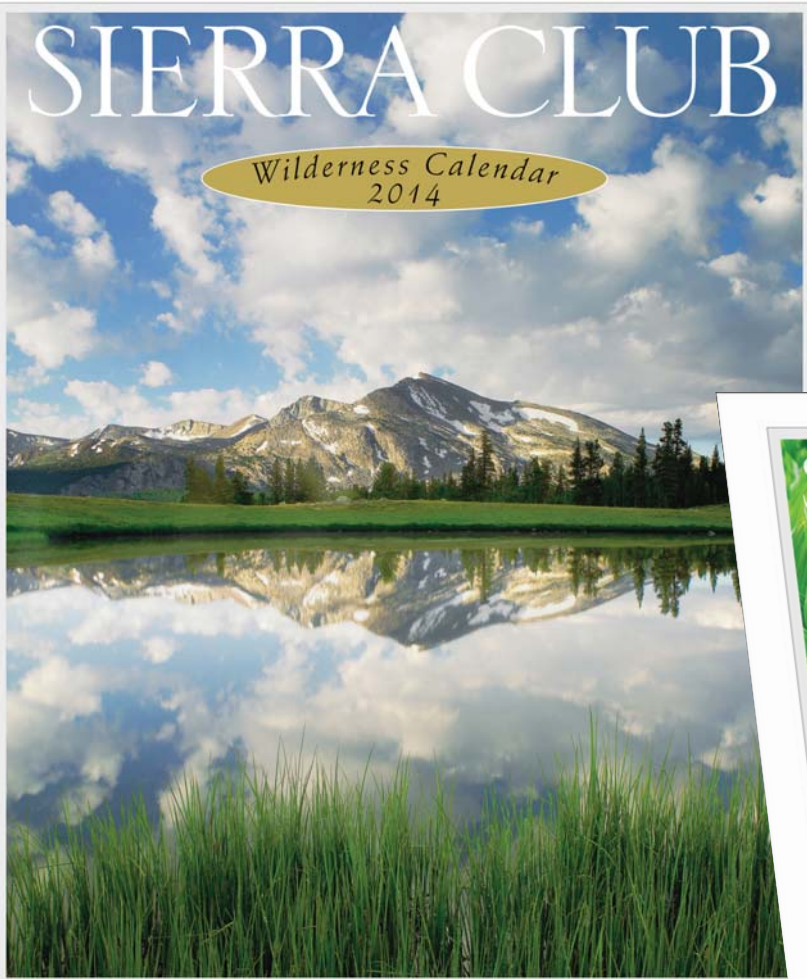
As required, the developer called a neighborhood meeting to answer questions, but it was at Cobblestone Farm, which is miles outside of the neighborhood. Still, concern was so high that about 50 people attended, a sizable crowd for this kind of meeting. The developer did not attend, however, leaving one of the architects to attempt to answer questions. The dissatisfaction with the meeting was so great that the developer scheduled a second meeting at Eberwhite School with two architects. Many residents left this second meeting with storm water concerns unassuaged.

With a storm water and sewer system dating from the 1920's that is now inadequate to handle many of the large storms that we are now experiencing, the city has identified retaining water and creating surface permeability as ways to reduce storm water, though developing 80%

this Glendale parcel with eight large buildings and 26 parking spaces, might seem counterproductive to this goal. And as one neighbor also pointed out at a Planning Commission meeting, "Once it's gone, there is no bringing it back".

The Glendale neighborhood group asks for your help in convincing the city to study the storm water and sewage systems before it's too late. This study can only help the city to better manage the Allen Creek watershed.





Order Form

Item	Cost	Quantity	Total
Engagement Calendar	\$14	_____	_____
Wilderness Calendar	\$13	_____	_____
Grand Total		_____	_____

Buy from us and support local conservation!

Order and pick up your calendars at the Sierra Club Huron Valley Group monthly public programs October 15, November 19, & December 17 monthly meetings at Matthaei Botanical Gardens or contact Jay Schlegel to make an order and arrange an alternate pick-up time:
 jayschlegel@comcast.net or (734) 477-5717
 Cash or checks only, please. Payment is due at pick-up.

Thank you!

Taking Action to Protect

Explore, enjoy, protect the planet®, is the motto of the Sierra Club. These past months your local Huron Valley Group has taken an active role to protect local and state goal-specific activities with four (4) important donations.

In late spring, the Huron Valley Executive Committee (ExCom) voted to donate \$5,000 to the Southeast Michigan Land Conservancy Superior Greenway Project. The Conservancy maintains and cares for the land held in its trust through regular monitoring and stewardship projects, and works to educate the community about the importance of land conservation in southeast Michigan. These parcels of land are in Superior Township, with sections between Geddes and Warren Road. Some readers may be familiar with the “Full Moon Campfire” at LeFurge Woods sponsored by the Southeast Michigan Land Conservancy.

At that same ExCom meeting, a donation of \$300 to Craig Brainard was approved for the purchase of audio-visual equipment to show Gasland, the Beyond Natural Gas Campaign power point presentation, and other documentaries. Mr. Bernard works with SC Groups, libraries, and other service organizations around the state to raise public awareness on these issues.

Summer saw the loss of funds at the National level to the Michigan Chapter for its Beyond Natural Gas and Oil Campaign. Fracking of natural gas presents a serious threat to Michigan’s environment and could lead to the poisoning of our land, water and air. The Chapter has responded to this threat with an effective volunteer effort. After much discussion at the Chapter ExCom meeting, it was decided to withdraw up to \$25,000 from a very limited reserve funds contingent upon receiving matching money from groups and other sources to fund staff for the rest of the year. The Huron Valley Group made the decision to offer a \$10,000 challenge to other groups and donors to raise the necessary funds to meet the \$25,000 challenge. That challenge was met at the end of July. Yea!

For several years your local Huron Valley Group has supported the local food effort. Again this year, we will be a Strawberry Sponsor for the HomeGrown Festival (Slow Food Huron Valley) September 7, 2013 at Kerrytown.

NOW, you too can play a role to protect the local area. The Huron Valley Group needs

your assistance to replace some of these monies donated this summer. You can be a participant in the Shopping For The Earth (SFTE) Program via the direct purchase of gift cards/certificates through the Great Lakes Scrip Center (GLSC) shopwithscrip.com.

You can purchase selected gift cards at the Sierra Club Huron Valley Group monthly meeting on the third Tuesday of each month at Matthaei Botanical Gardens. And you can participate in the ShopWithScrip program.

Do you have some fall cleanup and remodeling projects in your future? Gift cards can be purchased for use at area home and garden stores. Additionally, gift cards can also be used for transportation, dining out, accommodations and entertainment. See the list of over 750 retailers, many of which are in your neighborhood. Remember if you purchase a card for \$25, or whatever amount you designate, you have \$25 to spend. The merchant makes the donation.

If you’ve not yet used the www.shopwithscrip.com program, here’s how: the directions are at our group website <http://michigan.sierraclub.org/huron/glscrip.htm>.

Then go to the GLSC website and click on the ‘get started’ button.

Plan ahead and while you do your shopping remember you benefit the environment. The percentage amount donated by the merchant can vary up to as much as 15% and those dollars come directly to the Sierra Club Huron Valley Group (i.e., not to National, not to the Chapter).

Thank you for your participation in the SFTE program.

Ginny Maturen, Treasurer



By
Ginny Maturen

Check the
shopwithscrip.com

website for over 730
retailers for all your spring
shopping needs.

Not signed up? Go to the
above website and click on

‘get started’



You can help the earth at no cost to you — through your regular shopping!

- Over the past 15 years the Sierra Club Huron Valley Group's **Shopping for the Earth** has been a very successful program for supporting our efforts to protect parks, natural areas and local farmland, and to address local and regional environmental problems.
- You can help us do more by buying **Shopping for the Earth** cards for the stores where you already shop.
- For every \$20 of cards you buy, you get the full \$20 in store credit—and earn from \$0.80 to as much as \$4.60, depending on the merchant, for the Sierra Club.

"We donated \$140 last year to prevent sprawl and protect wildlife. It was easy, and it didn't cost us anything extra."
-Gwen Nystuen

"A bonus for nature for every grocery purchase I make- even chocolate!"
-Rita Mitchell

Two ways to order cards:

1. **Mail-In Order Form** for small local stores
2. **Online ordering** for national merchants including Amazon, iTunes, L.L. Bean, Land's End, Sears, department stores, restaurants, hotels, and hundreds more. Please visit: michigan.sierraclub.org/huron/glscrip.htm

Great for:

- ✓ Regular purchases like grocery shopping
- ✓ Giving as gifts
- ✓ Planned purchases like appliances
- ✓ Making online purchases



Mail-in Order Form

Please fill out the number of cards you'd like for each store below (maximum \$500 total per order).
Your total order: \$ _____

Ann Arbor People's Food Co-op **	_____ cards @ \$25 ea	_____ cards @ \$50 ea	_____ cards @ \$200 ea
Arbor Brewing Company **	_____ cards @ \$25 ea		
Arbor Farms	no card--just tell the cashier that you're donating to the Sierra Club		
Busch's *	_____ cards @ no cost - add money when shopping at Busch's		
Hiller's Markets *	_____ cards @ \$50 ea		
Produce Station **	_____ cards @ \$25 ea	_____ cards @ \$50 ea	
Kroger *	Obtain card at Kroger's and register it at www.krogercommunityrewards.com so that the Sierra Club receives a donation from your reloads.. see http://michigan.sierraclub.org/kroger.htm		
Meijers	A rebate program--please see: http://michigan.sierraclub.org/huron/docs/SFTE_Meijer.pdf		
Whole Foods *†	_____ cards @ \$25 ea	_____ cards @ \$100 ea	

all cards can be ordered online through Shopwithscrip - see: michigan.sierraclub.org/huron/glscrip.htm

* **Reloadable cards!** The Sierra Club receives a contribution each time you reload, so only one card is needed per person.

** **Not reloadable**—consider ordering several!

Name: _____

Address _____

Phone: _____ Date _____

Email: _____

- Please send me local Sierra Club email updates
- Please send me the local Sierra Club newsletter

Your information will not be shared with any group.

Mail with your check payable to "Sierra Club - Huron Valley Group" to:
Ed Steinman (esteinma@umich.edu)
621 5th St.
Ann Arbor, MI 48103



**Huron
Valley
Group
Directory**

www.michigan.sierraclub.org/huron/

Chair	* = HVG Excom Member	
Nancy Shiffler*		971-1157
Vice-chair		
James D'Amour*		
Treasurer		
Ginny Maturen*		730-2947
Secretary		
Ed Steinman*		665-0248
Chapter Representative		
Ed Steinman*		665-0248
Alternate Chapter Representative		
Joel Dalton*		945-8132
Conservation Chair		
Dorothy Nordness		668-6306
Inner City Outings Chair		
Joan Wolf		
Outings Chair		
Kathy Guerreso		677-0823
Inner City Outings Liaison		
Membership Chair		
Ed Steinman*		665-0248
Political Chair		
James D'Amour*		
Political Committee		
Robert Gordon*		
Publicity		
Joel Dalton*		945-8132
Program Co-Chairs		
Ron Sell		
Rita Mitchell		665-0248
Shopping for the Earth		
Ed Steinman*		665-0248
Fund Raising Co-Chairs		
Jay Schlegel*		477-5715
Ed Steinman*		665-0248
Website		
Ed Steinman*		665-0248
Newsletter Team		
Jay Schlegel*, Editor		477-5715
Kim Waldo		971-1941
Gwen Nystuen		665-7632
Ed Steinman*		665-0248

How to Get HVG reminders via email!

At each HVG general meeting, there is an email sign up list. For those who missed it, or haven't joined us at a meeting, here's how you can get our general meeting reminders.

If you would like to receive email notices of each month's Huron Valley Group general meeting and occasional notices about other local Sierra Club activities send an email to Doug Cowherd at dmcowherd3@comcast.net with your name and "HVG email list" in the body of the message.

Are You A New Member?

Welcome to the Huron Valley Group of the Sierra Club. When you join the Sierra Club you are automatically a member of a local group, as well as a state chapter and the national organization. Membership entitles you to this newsletter as well as all editions of the state and national member publications. Check this page for our Directory with contacts on conservation, outings, political action, and the Inner City Outings program. Check the calendar in the middle of this issue for announcements of Monthly Public Program topics and our calendar of activities. We will be glad to see you at our next meeting or answer any questions if you care to call. Please take advantage of your membership as an opportunity to enjoy, preserve and protect our natural environment!



Explore, enjoy and protect the planet



**With your help,
we can clean up our water.**

Over the last 30 years, we've made great progress cleaning up our water. But the Bush Administration is decreasing that progress, proposing that "swept" small streams, ponds and wetlands no longer be covered under the Clean Water Act. Work with us to strengthen the Clean Water Act and its enforcement. Together we can leave our children a legacy of clean water, air and wild lands.

Keep our water safe. Join Sierra Club.

Name _____

Address _____

City _____ State _____

Zip _____ Phone (____) _____

Email _____

Join today and receive a FREE Sierra Club Weekender Bag!



Check enclosed. Please make payable to Sierra Club.
 Please charge my: Visa Mastercard AmEx

Cardholder Name _____

Card Number _____

Exp. Date _____ / _____

Signature _____

Membership Categories	Individual	Joint
Special Offer	<input type="checkbox"/> \$15	
Standard	<input type="checkbox"/> \$39	<input type="checkbox"/> \$49
Supporting	<input type="checkbox"/> \$75	<input type="checkbox"/> \$100
Contributing	<input type="checkbox"/> \$150	<input type="checkbox"/> \$175
Life	<input type="checkbox"/> \$1000	<input type="checkbox"/> \$1250
Senior	<input type="checkbox"/> \$25	<input type="checkbox"/> \$35
Student/Limited Income	<input type="checkbox"/> \$25	<input type="checkbox"/> \$35

Contributions, gifts and dues to Sierra Club are not tax deductible if they support our effective, citizen-based advocacy and lobbying efforts. Your dues include \$7.00 for a subscription to Sierra magazine and \$1 for your Chapter newsletter.

Enclose a check and mail to Sierra Club, P.O. Box 425941, Palm Coast, FL 32162-1041

or visit our website www.sierraclub.org **F840 | W**



Huron Valley Group Newsletter
The Sierra Club
621 Fifth Street
Ann Arbor, MI 48103

FALL 2013

Inside:

- Huge Expansion of Fracking - page 1-2
- WICO Visit Leslie Sci. Center - page 4-5
- Calendar of Events - page 7-8
- A2 Glendale Project Issues - page 10-11



DID YOU KNOW... that this newsletter is **ENTIRELY** volunteer-written, volunteer-edited, and volunteer-assembled? The Huron Valley Group could really use your help on future issues of "The Lookout" with any of the following tasks:

- host a fold & staple work party
- article writer
- photography/graphics
- proofreading - ad wrangler
- folding/assembling/mail-preparation

And, no, you do not have to do something "every issue" (unless you want to!); just help out as you can. If you are interested in helping us out, or if you have any questions, please contact us at hvgnews@yahoo.com