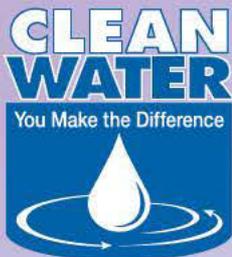


calhoun county community calendar

BATTLE CREEK AREA CLEAN WATER PARTNERS





the battle creek area clean water partners

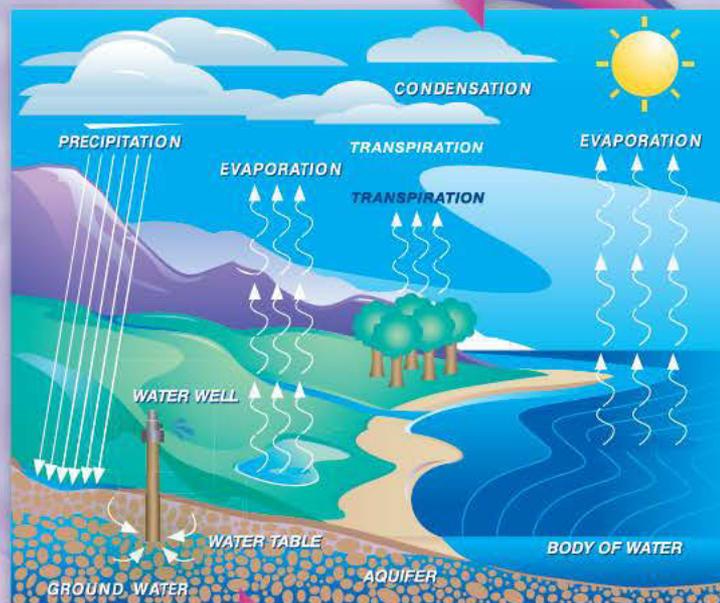
The Battle Creek Area Clean Water Partners (BCACWP)—in partnership with the Calhoun County Solid Waste Fund—is proud to present

this 2016 wall calendar for the residents of Calhoun County. The featured photographs were all taken within the Kalamazoo River Watershed within Calhoun County by local photographers, many of whom participated in a BCACWP photo contest.

The purpose of the calendar is to display the many beautiful areas within our county and to bring focus to an unseen resource; groundwater, which is the source of drinking water in the entire county. Both surface water and groundwater are overlooked for the value they bring. Groundwater sustains us in the form of drinking water and the Kalamazoo River Watershed and St. Joseph River Watershed provide habitat for wildlife and recreation for our residents. You can follow the simple steps outlined in the calendar to help protect

our water from sources of pollution. The steps we take now will help protect our water for future generations. The Battle Creek Clean Water Partnership is the City of Battle Creek; the City of Springfield; the Calhoun County Water Resources Commissioner; the Calhoun County Road Department; the townships of Bedford, Emmett, Leroy, Newton, and Pennfield; the Hart-Dole-Inouye Federal Center; Kellogg Community College; and Battle Creek Area Schools joining together with the common goal of protecting the waterways in our area.

natural water cycle



groundwater

understanding the water cycle

Water is something we often take for granted. From the lakes and streams we play and fish in, to the water we use everyday to clean and nourish our bodies, water plays an important part in our lives. It's a natural resource that we simply can't live without. That's why it's our responsibility to protect our water resources for the next generation. In order to do that, we need to better understand the water cycle and how it works.

what is groundwater?

- Water that collects underground, filling cracks and spaces in layers of sand, gravel and rock
- Layers of earth that hold enough groundwater to supply a well are referred to as aquifers
- Rain and snow runoff recharge the groundwater supply
- Pollutants can seep into the groundwater making it unsafe to use

how is it used?

- Groundwater makes up nearly 50% of the drinking water in the State of Michigan
- Groundwater is used for agricultural irrigation and a variety of industrial and business purposes

Please note that we were unable to include all information pertaining to every calendar event. For more information visit www.bcwater.org.

surfacewater



Common surface water contaminants

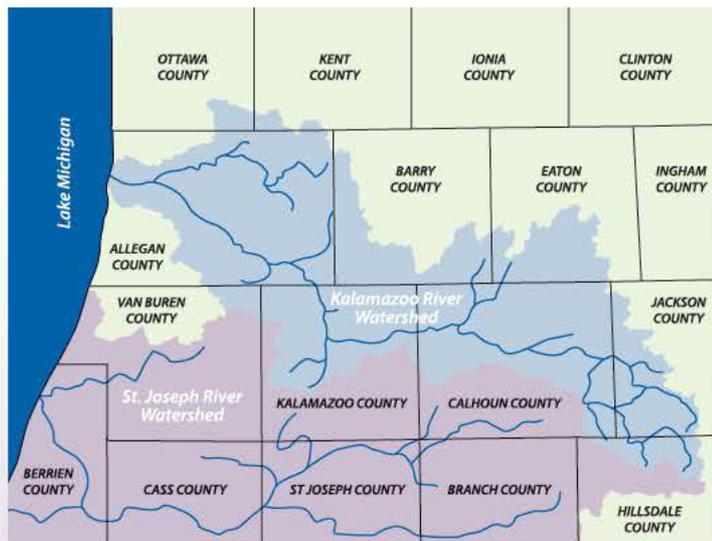
what is surface water?

- Rain water and runoff that collects in lakes, rivers, streams and wetlands on the earth's surface
- Surface water also comes from groundwater

how is it used?

- Surface waters provide a natural habitat for wildlife
- As a recreational area for the people of our community
- Interconnected with groundwater—our source of drinking water

the kalamazoo river and st. joseph river watersheds

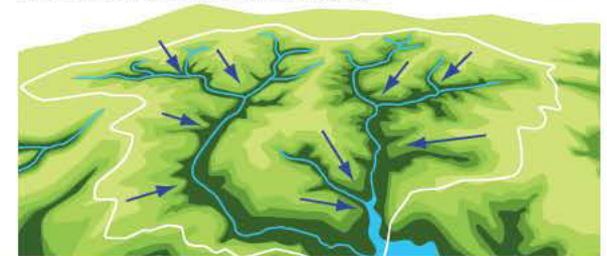


how do pollutants enter surface waters?

- Storm sewers are the main source of pollutants, draining virtually everything from lawns, streets, and parking lots directly into local surface waters in the urban areas of our county
- Storm water is not cleaned and is known as Nonpoint Source pollution. Common contaminants include: fertilizers, pesticides, grass clippings, leaves, oil, grease, toxic chemicals, sediment, and livestock and pet waste
- As a matter of fact, too much phosphorus is making its way into both the Kalamazoo River Watershed and the St. Joseph River Watershed causing increased algal blooms and lower oxygen levels affecting aquatic life

our surface water—our watershed

What is a watershed? It is an area where all water drains into the same body of water, such as a river or lake, based on topography and elevation. Two major watersheds are in our county, the Kalamazoo River Watershed and the St. Joseph River Watershed. The rivers and their tributaries flow until they reach Lake Michigan.



the wellhead protection plan

To protect drinking water in our county, Wellhead Protection Plans have been developed for six communities: the City of Battle Creek, the City of Albion, the City of Marshall, Pennfield Township, and the Village of Athens. Elements include:

- A pro-active initiative to prevent contamination
- A designated wellhead protection area around each well field
- Land use and zoning ordinances when new construction occurs within the area to prevent potential contamination
- A contingency plan in case a contamination incident occurs

watershed protection

The problem of Nonpoint Source pollution (NPS) is not a small one. The United States Environmental Protection Agency (USEPA) reports it as the leading remaining cause of water quality problems. We all play a part and may not realize it. Each and every one of us contributes to the problem because it results from human activity on the land. It is our responsibility to do all we can to protect our surface water as individuals, and as a community.

- Storm water ordinance
- Illicit discharge elimination programs
- Efforts to eliminate failing on-site septic system
- Land use policies
- Wellhead, or drinking water, protection programs
- Storm water control projects
- Phosphorus reduction efforts



For more information on how you can do your part visit the Battle Creek Area Clean Water Partners at www.bcwater.org.



A river is more than an amenity, it is a treasure. –Justin Oliver Wendell Holmes

FROZEN by *Patrice Ott*
Minges Brook



tip ROAD SALT—Help keep rivers and groundwater healthy in the winter. Shovel snow and ice early and often to limit your use of sand, salt, and deicing chemicals. When safety requires it, try an alternative to salt, such as those listed at the USEPA's Design for the Environment webpage at www.epa.gov/saferchoice.

january 2016

SUNDAY							MONDAY							TUESDAY							WEDNESDAY							THURSDAY							FRIDAY							SATURDAY																																																																					
december 2015 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31														february 2016 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29																																																																						1 Last Quarter 2																											
3														4														5														6														7														8														9														New Moon Styrofoam Collection— 9–noon, Battle Creek													
10														11														12														13														14														15														16														First Quarter Dr. Martin Luther King Jr's Birthday													
17														18														19														20														21														22														23														Full Moon													
Last Quarter 31st 24/31														Dr. Martin Luther King Jr Day 25														26														27														28														29														30																											



I believe that water is the only drink for a wise man. –Henry David Thoreau

FROZEN IN THEIR TRACKS
by Gail Heeter Battle Creek River



tip HOUSEHOLD WASTE—Dispose of household cleaners, chemicals, oil, paint, and other potential toxins in ways that protect your family and your drinking water. Never pour them down storm drains, into sinks, or onto the ground. Call 269.969.6341 for more information.

february 2016

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	1	2	3	4	5	6
		Groundhog Day World Wetlands Day				
7	New Moon 8	9	10	11	12	13
			Ash Wednesday		Great Backyard Bird Count— February 12–15 Lincoln's Birthday	
14	First Quarter 15	16	17	18	19	20
Valentine's Day	President's Day Washington's Birthday					
21	Full Moon 22	23	24	25	26	27
28	29					

Valentine's Day

LEAP Year

january 2016

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

march 2016

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

For more information visit bcwater.org





We never know the worth of water till the well is dry. -Thomas Fuller

SHINE ON BENEVOLENT SUN
by David Lawrence Kalamazoo River



tip PHARMACEUTICALS—NEVER flush unused medications down the drain or toilet. They can end up in the ground, and eventually in the water we share. Take them to one of the new redbox locations in the Battle Creek area. For more information, visit www.drugfreebc.org.

march 2016

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
february 2016 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29	april 2016 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	☾ Last Quarter 1	2	3	4	5
6	7	● New Moon 8	9	10	11	12
Groundwater Awareness Week—March 6–12						
13	14	☽ First Quarter 15	16	17	18	19
Daylight Saving Time Begins				St. Patrick's Day		
20	21	22	○ Full Moon 23	24	25	26
Spring Begins Palm Sunday		World Water Day			Good Friday	
27	28	29	30	☾ Last Quarter 31		
Easter						

fact OVER 10 MILLION GALLONS of groundwater are pumped daily to provide drinking water for Battle Creek area residents. Protect groundwater; it's what we drink!

For more information visit bcwater.org





Thousands have lived without love; not one without water. -W.H. Auden

ABLAZE THE DAY
by David Lawrence Kalamazoo River



tip FERTILIZER—The State of Michigan has passed a law banning the use of harmful phosphorus lawn fertilizers in order to protect our water resources. Check the label before buying fertilizer. The bag will show a series of three numbers. Look for the ZERO in the middle to find a phosphorus-free fertilizer that won't pollute our water.

april 2016

SUNDAY							MONDAY							TUESDAY							WEDNESDAY							THURSDAY							FRIDAY							SATURDAY																											
march 2016 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31														may 2016 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31														act ADOPT A STORM DRAIN on your street and please keep it clean and free of leaves, dirt, grass clippings, and other debris.																												1							2						
3														4														5														6							● New Moon 7							8							9						
10														11														12														◐ First Quarter 13							14							15							16						
17														18														19														20							○ Full Moon 21							22							23						
24														25														26														27							◑ Last Quarter 28							29							30						
																																																	Passover Earth Day																				
																																																	Arbor Day														Electronics and Styrofoam Collection—9-1, Battle Creek						

For more information visit bcwater.org





Rivers are roads which move, and which carry us whither
we desire to go. —Blaise Pascal

SPRING ON MINGES BROOK
by Linda Gillespie Minges Brook



tip RAINWATER—Runoff from rain water is the only thing that should wash down our storm drains. Anything else—grass clippings, leaves, motor oil, even fertilizer—is considered an ILLICIT DISCHARGE. If you witness suspicious dumping into storm drains, visit www.bcwater.org.

may 2016

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1	2	3	4	5	New Moon 6	7
Water Quality Awareness Month Begins				Cinco de Mayo		
8	9	10	11	12	First Quarter 13	14
Mother's Day					Children's Water Festival	
15	16	17	18	19	20	Full Moon 21
					Spring Into the Arts—Battle Creek	Armed Forces Day
22	23	24	25	26	27	28
29	30	31				
Last Quarter						

Memorial Day

april 2016

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

june 2016

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

act MAINTAIN SEPTIC SYSTEMS as improperly working septic systems can pollute both surface water and groundwater. Have your septic system checked and pumped every few years to insure it is working properly.

For more information visit bcwater.org





When you drink the water, remember the spring. -Chinese Proverb

NURSING FAWN by *Patrice Ott*
Minges Creek



Water is the driving force in nature. -Leonardo daVinci

KALAMAZOO RIVER by *Steven Heeter*
Kalamazoo River South Branch



Pure water is the world's first and foremost medicine. –Slovakian Proverb

LIGHTS EVERYWHERE
by Susan Bond Battle Creek River



tip TRAVEL TRAILER WASTE DISPOSAL—Now that the camping season is nearly over, remember to properly dispose of your black water tank waste at a designated RV sanitary dump station. Improper disposal of waste contaminates the ground and our water, and leaves the “great outdoors”—not-so-great!

august 2016

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	1	● New Moon 2	3	4	5	6
7	8	9	☾ First Quarter 10	11	12	13
	Krazy for the Kazoo sign up begins			Rain Barrel Sale Pick Up—Kalamazoo		Kanoe the Kazoo—Marshall to Battle Creek
14	15	16	17	☉ Full Moon 18	19	20
				Rain Barrel Sale Pick Up—Battle Creek		Recyclerama—9-1, Bailey Park
21	22	23	☾ Last Quarter 24	25	26	27
28	29	30	31			

July 2016

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

September 2016

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

act PROPERLY CLOSE ABANDONED WELLS on your property. They can act as conduits for contamination of our groundwater. Call the Calhoun County Health Department at 269.969.6341 for more info.

For more information visit bcwater.org





When the well is dry, we learn the worth of water. -Benjamin Franklin

BLUE HERON by *Mary Lindow*
Battle Creek River



tip CAR WASHING—Wash your car at a commercial car wash or on the lawn so that wash water can be absorbed and naturally filtered, avoiding streets and storm drains.

september 2016

SUNDAY							MONDAY							TUESDAY							WEDNESDAY							THURSDAY							FRIDAY							SATURDAY													
august 2016 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31							october 2016 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29																					● New Moon 1							2							3													
4							5							6							7							8							☾ First Quarter 9							10													
							Labor Day																																																
11							12							13							14							15							○ Full Moon 16							17													
Grandparents Day Patriot Day																																																							
18							19							20							21							22							☾ Last Quarter 23							24													
														International Day of Peace							Fall Begins							Krazy for the Kazoo Sign-up Ends																											
25							26							27							28							29							● New Moon 30																				

act MAINTAIN OIL TANKS both above and underground, as leaking oil storage tanks are a major source of contamination to both surface water and groundwater. Check tanks regularly for leaks.

For more information visit bcwater.org





If there is magic on this planet, it is contained in water. –Loren Eiseley

EARLY AUTUMN by *Steven Heeter*
Beadle Lake Wetlands



Plans to protect air and water, wilderness and wildlife are in fact plans to protect man. —Stewart Udall

WE'RE OFF by Gail Heeter
Beadle Lake Wetlands



tip WASTE WATER—Toilets are only meant for one activity, and you know what we're talking about! When the wrong thing is flushed, such as baby wipes, results can include costly backups on your own property or problems at our wastewater treatment plant. That's why it's so important to treat toilets properly. Remember, no wipes in the pipes!

november 2016

SUNDAY							MONDAY							TUESDAY							WEDNESDAY							THURSDAY							FRIDAY							SATURDAY													
october 2016 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29							december 2016 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31							1							2							3							4							5													
6							☾ First Quarter 7							8							9							10							11							12													
Daylight Savings Ends							☉ Full Moon 13							14							15							16							17							18							19						
20							☾ Last Quarter 21							22							23							24							25							26													
27							28							● New Moon 29							30							Thanksgiving																											

fact Imagine life without a toilet. 2.6 billion people do not have to imagine. www.worldtoiletday.com.

For more information visit bcwater.org





You could not step twice into the same rivers for other waters
are ever flowing on to you. -Heraclitus of Ephesus

10 DEGREE MORNING
by Linda Gillespie Minges Brook



tip DEICERS—Magnesium chloride deicing products have fewer adverse environmental effects on our water and are not as corrosive as sodium chloride. When looking for a deicing product, check labels to choose a deicer that fits your conditions and apply it early and sparingly.

december 20 16

SUNDAY							MONDAY							TUESDAY							WEDNESDAY							THURSDAY							FRIDAY							SATURDAY													
november 2016 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30							january 2017 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31																					1							2							3													
4							5							6							☾ First Quarter Pearl Harbor Remembrance Day							7							8							9							10						
11							12							☉ Full Moon 13							14							15							16							17													
18							19							☾ Last Quarter 20							21							22							23							24													
25							26							27							28							● New Moon 29							30							31													
Christmas							Kwanzaa														Winter Begins														Christmas Eve							Hanukkah													
																																										New Year's Eve													

For more information visit bcwater.org



calhoun county community calendar

BATTLE CREEK AREA CLEAN WATER PARTNERS



January



February



March



April



May



June



July



August



September



October



November



December

resources/contacts

City of Battle Creek
10 N. Division Street
Battle Creek, MI 49014
Water Department: 269.966.3496
Wastewater Treatment:
269.966.3315
Water Billing: 269.966.3366
www.battlecreekmi.gov

Calhoun County Road Department
13300 15 Mile Road
Marshall, MI 49068
269.781.9841 or 800.781.5512
www.calhouncountyroads.com

Calhoun County Health Department
George W. Toeller Building, Suite A100
190 E. Michigan Avenue
Battle Creek, MI 49014
269.969.6370
www.calhouncountymi.gov
www.calhouncountyrecycling.com

Calhoun County Water
Resources Commissioner
Calhoun County Building
315 W. Green Street
Marshall, MI 49068
269.781.0790
www.calhouncountymi.gov

City of Albion
519 N. Superior Street
Albion, MI 49224
517.629.2359
www.ci.albion.mi.us/

City of Marshall
Town Hall
323 W. Michigan Avenue
Marshall, MI 49068
269.781.5183
www.cityofmarshall.com/

City of Springfield
City Hall
601 Avenue A
Springfield, MI 49037
269.965.2354
www.springfieldmich.com

For Township Information,
visit the Calhoun County Clerk
and Register of Deeds website at
www.co.calhoun.mi.us/



For more information on how you can do your part visit
the Battle Creek Area Clean Water Partners at www.bcwater.org.



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