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Spring/Summer 2013



"Heartleaf Arnica," Watercolor by
Kendahl Jan Jubb
Photo Credit: Ram Murphy

Spring/Summer 2013

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Explore & Enjoy Montana: Local Outings Begin on Page 10

Outings continued from pages 10-11

Date TBD in July--Room to Roam for Yellowstone Bison. Join Sierra Club and local bison expert Glen Hockett of the Gallatin Wildlife Association on a hike to explore potential new habitat for bison up the Taylor Fork on the east side of the Madison Range. The state of Montana has undertaken a historic public process to evaluate year-round habitat for bison in areas adjacent to Yellowstone National Park and are expected to release a draft proposal this summer. The Taylor Fork could provide excellent habitat and is one of the areas being considered. Join the hike and then voice your support for expanded habitat for wild bison in Montana! For further details, go to www.montana.sierraclub.org. Contact zack.waterman@sierraclub.org.

Get Involved.

To find out more about participating in the Montana Chapter of the Sierra Club outings program, or if you'd like to share your favorite wild places by leading a hike or kayak/canoe trip in your region, please contact Mary Owens, the Outings Coordinator, at trekker320@aol.com



Snow-Capped Mountain Peaks Reflected in Lake MacDonald, Glacier National Park
Photo Credit: Michael Jarnevic

The Montana Sierran

Published bi-annually by the Montana Chapter of the Sierra Club—www.montana.sierraclub.org

U.S. Must Be Clean Energy Leader*

By Jonathan Matthews, Energy and Political Committees Chairperson



An estimated 40,000 gather in Washington D.C. on February 17, 2013, to protest the Keystone XL Pipeline and support action on climate change.**
Photo Credit: jmcdaid (Wikimedia Commons)

finalize a strong carbon standard for power plants, both existing and new sources.

Montana is one of the richest sources of potential wind energy in the world. We can drive our economy, create jobs, clean our air and water, protect our wild places and improve our health by developing our wind-power resources.

Our children and grandchildren depend on our making these smart energy moves now, without delay.

(*Please see related article, "Sound-Off: Bitumen Corporate Angst," by Bruce Hunner on page 5.)

(**See "Newsflash" for Montanans who participated in Forward-on-Climate rallies in the state on page 9.)

Article published in the *Helena Independent Record* on 28 February 2013

Our dependency on fossil fuels like oil, coal and natural gas is worsening the climate crisis.

Mining coal at Otter Creek would devastate Montana ranch families, accelerate the global warming that is killing our forests, and crowd Montana's cities with trains loaded with coal to be burned in Asia, with its pollution heading back to us on upper-level winds.

Addressing the issue of human-caused global warming in his recent second inaugural address, President Obama stated, "Some may still deny the overwhelming judgment of science, but none can avoid the devastating impact of raging fires, and crippling drought, and more powerful storms. The path towards sustainable energy

sources will be long and sometimes difficult. But America cannot resist this transition; we must lead it."

President Obama must lead our nation in a clean-energy revolution and make America the global clean-energy leader, phasing out carbon-intensive fossil fuels and promoting energy efficiency and clean, renewable energy sources.

President Obama must reject the Keystone XL tar sands pipeline and



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Explore, enjoy and protect the planet.

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For the most recent information throughout the year, go to www.montana.sierraclub.org.

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Janet Fiero, Vice Chair
Claudia Narcisco, Secretary
Rachel Jennings, CCL Alternate
Bob Hopkins, Member
Bruce Hunner, Member
Jonathan Matthews, Member
Gita Wohlsein, Member

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Energy. Jonathan Matthews, Chair; Bruce Hunner, Rod Jude, Claudia Narcisco, Gita Wohlsein; Mike Scott, Advisor

- Dirty Fuels/Beyond Coal Campaign** Subcommittee. John Wolverton, Chair; Bruce Hunner, Rod Jude, Carol Marsh; Zack Waterman, Advisor

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Website/Facebook. Jeff van den Noort, Chair & Webmaster; Rachel Jennings, Rod Jude; Bob Clark, Advisor

Newsletter Information

The Montana Sierran (TMS) is published twice a year by the Montana Chapter of the Sierra Club, a division of the national Sierra Club.

Submission deadlines are **April 1** for the Spring/Summer issue and **October 1** for the Fall/Winter issue.

Please send relevant articles and photos by the deadlines to

bob.clark@montanasierraclub.org

or

The Montana Sierran
c/o Bob Clark
P.O. Box 9283
Missoula, MT 59807

The Montana Sierran reserves the right to edit or reject submissions at its discretion.

Submissions must include first and last name with city or town. Please include your phone number and e-mail address in case we need to contact you.

Send digital photographs at 300 ppi in .jpg format. Photos must include credit (e.g. photographer's name and/or source). Please also provide text describing the photo.

Thank you for your support of the Montana Chapter of the Sierra Club and *The Montana Sierran*.

Maria

Maria Ibarbia, Editor

Newsletter Working Group.

Janet Fiero, Maria Ibarbia, Liz Rantz, John Wolverton; Bob Clark, Advisor

For more information about Montana Chapter activities and meetings, contact Rod Jude at (406) 579.7627.

"Like" & visit our Facebook page at Montana Sierra Club.

2013 Outings of the MT Chapter of the Sierra Club, continued

By Mary Owens, Outings Chairperson



Feral Horses on Wild Horse Island, Flathead Lake
Photo Credit: Maria Ibarbia

July 25, Thursday--Learn to Survive in the Outdoors Class, Missoula. This class will cover the basics of survival, including the three priorities—shelter/warmth, water, and signaling—and putting together a survival kit. The class may be taken alone, or may be combined with the two-day outing. Contact Mike at jarnevic(at)earthlink(dot)net.

July 27 & 28, Saturday to Sunday--Learn to Survive in the Outdoors Outing, Missoula. This is a follow-on to the aforementioned class (page 10). We will hike into a local area, set-up standard backpacking equipment, and then demonstrate survival techniques. Participants will be given the opportunity to sleep in an expedient shelter, construct a fire and learn other techniques of survival. Space is limited. The outing may be taken alone, or can be combined with the class on 25 July. Contact Mike at jarnevic(at)earthlink(dot)net.

July 29, Monday--Dinah Lake Trail from Lake Elsin, Mission Mountains (women only). Both Lake Dinah and Lake Elsin are gorgeous subalpine lakes in the high country basins of the Mission Mountains. This easy hike winds through lush brush, dense forest and grassy meadows with flowers. 5 miles round trip with 700 ft. elevation gain. Limited to 10 people. Email Janet Fiero at janetfiero77@gmail.com or call 203-2164.

August 3, Saturday (date tentative)--Grizzlies in the Gallatin. Join Sierra Club and biologist Steve Gehman of Wild Things Unlimited to look for grizzly sign in key drainages of the northern Gallatin Range. Participants will receive training on how to identify specific signs of bear presence. Information gathered will be used to document the expanding range of grizzlies in the

northern Gallatins and the need for habitat protection. Contact Bonnie Rice at bonnie.rice@sierraclub.org.

August 9–14, Friday to Wednesday--Glacier Country Paddling, Car Camping and Hiking (women only/member preference). Friday night camp at Ford Cabin riverside campsite followed by a Saturday float down the North Fork of the Flathead River. On Sunday, we'll move to St. Mary's Campground in Glacier National Park for hikes ranging from easy to strenuous. For the strenuous hikes, shorter routes will be available. Limited to 10 women. All expenses shared. Contact Janet Fiero at janetfiero77@gmail.com or call 203-2164.

August 23–25, Friday to Sunday--Great Burn Backpack (member preference). 30 miles west of Missoula lies the 275,000 acre Great Burn Roadless Area. This area straddles the Montana/Idaho border and harbors elk, wolves, moose, black bears, mountain goats, bull trout and westslope cutthroat trout. This 3-day backpack loop features granite peaks, clear mountain lakes and streams, and hidden pockets of ancient western red cedar. Hikers will learn about the Clearwater National Forest's Management Plan revision and how it can help protect the area. Be prepared for several wet creek crossings. This is a moderately strenuous 22-mile trip starting at the Clearwater Crossing trailhead. Bring swimsuit. Space is limited. Trip leaders: John Wolverton & Bob Clark. Contact Bob Clark at bob.clark@sierraclub.org.

September 5–10, Thursday to Tuesday--Missouri River Badlands Canoe Trip (member preference). Join us for this 4.5 day, 62-mile float through the Wild and Scenic Badlands section. We'll have ample time for hiking, birding, exploring unique geological formations and old settlements and enjoying our campsites. Late summer can be ideal with less heat, less wind, less mud, less people and tranquil riverside camping among the cottonwoods and coyote howls. Rent or BYO boat/gear. All expenses shared. Contact Janet Fiero at janetfiero77@gmail.com and John Wolverton at yodelingdog(at)hotmail(dot)com or call 203-2164.

September 7–8, Saturday to Sunday--Camp, Hike & Paddle to Wild Horse Island, Flathead Lake (member preference). On Saturday, we will set up camp at Big Arm State Park and take time to explore the shore and trails. Sunday morning, we will set out from Dayton for a day paddle to Wild Horse Island. Once there, we'll explore and hike the island. There is a strong possibility we will see wild horses and big horn sheep. Great views of the island, lake and surrounding mountains. Experienced paddlers only. PFD required. Limited to 10 people. Contact Maria at maire-mt(at)earthlink(dot)net or Mike at jarnevic(at)earthlink(dot)net.

Date TBD--Photography Skills Building with Tom Murphy in the Paradise Valley. Join Sierra Club and internationally-acclaimed photographer and naturalist Tom Murphy on a hike up one of the spectacular drainages in Paradise Valley. Participants will build their skills in wildlife and landscape photography and also learn about natural features of the area. No photography experience required. For further details, go to www.montana.sierraclub.org. Contact bonnie.rice@sierraclub.org.

2013 Outings of the Montana Chapter of the Sierra Club

By Mary Owens, Outings Chairperson

Montana Chapter of the Sierra Club outings are free and open to the public. Liability release signatures required. No companion animals, please, except where otherwise noted. Please sign up beforehand by contacting the leader(s) for each outing.

Member preference means Sierra Club members will be given first priority for sign-up until 15 June. Non-members may sign up, but will be placed on a waiting list. If the trip isn't full by 15 June, then non-members will be added to the outing from the wait list.

Outings are also posted on www.montana.sierraclub.org, so check frequently for any additions or changes.

May 11, Saturday--Lake Como Loop, Bitterroot Mountains (women only). Take an easy day hike around beautiful Lake Como near Darby. A set of falls at the head of the lake will be our lunch stop, and we'll complete the hike by walking across the dam. The pine bark beetle has infested many of the trees around the lake. We will briefly discuss this, and how climate change may be affecting the life cycle of the beetle. 7.5 miles with minimal elevation gain. Limited to 10 women. Contact Janet at janetfiero77@gmail.com or call 203-2164.

May 15, Wednesday--Hellgate Canyon, M-Trail Loop Hike, Missoula. This moderately strenuous hike will take us to the top of Mount Sentinel for some great views of the Missoula valley. This is a good, early season conditioning hike. 6.5 miles with 2000 feet of elevation gain. Contact Mary at trekker320@aol.com.

May 20, Monday--North Loop Trail of Mount Jumbo, Missoula. A 5-mile roundtrip hike with an 800 feet elevation gain, this morning excursion will offer super views of Rattlesnake Canyon, Marshall Canyon and Missoula Valley. Beginning at the Lincoln Hill Trailhead, hikers will take a winding trail through pine forests and rolling slopes of wildflowers. Along the way, we will point out other hiking trails radiating out toward Marshall Mountain, Sheep Mountain and Mount Jumbo. Bring snack and water. Limited to 10 hikers. Contact Maria at [maire-mt\(at\)earthlink\(dot\)net](mailto:maire-mt(at)earthlink(dot)net).

June 10, Monday--Deadman Point at Blue Mountain, Missoula (women only). This dog-friendly trail will take hikers through a lodgepole pine forest, cross Hayes Creek and climb 600 feet to the 4,005 feet grassy knoll. Here, hikers will get a sweeping view of the Missoula Valley, Bitterroot River and the Sapphire and Bitterroot Mountains. 5.6 miles roundtrip. Bring snack, lunch, water, leash and poop mitt. Participants must follow pet regulations. Limited to 8 women and 8 canine companions. Contact Maria at [maire-mt\(at\)earthlink\(dot\)net](mailto:maire-mt(at)earthlink(dot)net).

June 19, Wednesday--Fred Burr Reservoir, Bitterroot Mountains (women only). This easy hike follows Fred Burr Creek to the reservoir, and we should see lots of wild flowers along the trail. The Bitterroot Mountains will provide a beautiful backdrop as we lunch at the reservoir. 9.2 miles round trip, 1000 feet elevation gain. Limited to 15 participants. Contact Mary at trekker320@aol.com.

July 13, Saturday--Canyon Lake, Bitterroot Mountains. This moderately strenuous hike will take us to beautiful Canyon Lake. Starting out rather leisurely, the trail begins a moderate climb to the lake at the three-mile mark. We will pass a 400 foot waterfall along the way. 10 miles round trip, 2500 feet of elevation gain. Contact Mary at trekker320@aol.com.

July 15, Monday--Kayak Paddle from Forest Grove to Big Eddy, Superior (women only). Begin your week with an 11-mile morning float that will take you on a scenic stretch of the Clark Fork River where you may see ospreys, kingfishers, beaver and deer. At bends in the river, we may experience small, white-cap activity and headwind; otherwise, the river is primarily calm. PFD required. Bring snack/lunch and water. Limited to 8 women. Contact Maria at [maire-mt\(at\)earthlink\(dot\)net](mailto:maire-mt(at)earthlink(dot)net).

July 24, Wednesday--Glen Lake, Bitterroot Mountains (women only). The trail will pass through forest burned in the 2006 Gash Point fire. We enter the wilderness at 1.6 miles with some nice views of Gash Point. We will continue another 1.4 miles to deep green Glen Lake, our lunch spot, and where we will briefly discuss the role of fire in forest ecology. 5.6 miles round trip with 1100 feet of elevation gain. Contact Mary at trekker320@aol.com.



"Dutch Creek Day Hike," Watercolor by Kendahl Jan Jubb
Photo Credit: Ram Murphy

Stop the Legislature's War on Wildlife

By Claudia Narcisco, Conservation Committee Chair

You may know the old saying, "If you're not outraged, you're not paying attention."

That has never been more true than with the Montana 63rd Legislature's attacks on wildlife. While many of Montana's native carnivores have also been attacked by legislators, bison and wolves were the prime targets.

House Bill 31, introduced by Ted Washburn, aimed to set a wolf population of 250. This bill died early with help from our own Jonathan Matthews, who testified in committee. However, elements of tabled bills were often replicated in other bills. Provisions in HB 31, such as increasing the number of wolves each hunter can kill from 1 to 3 and allowing electronic calling, have found their way into other bills.

House Bill 73 became a catch-all for anti-wolf legislation. On behalf of the Montana Chapter, I testified against HB 73 early in the session. We believe electronic wolf calls is contrary to fair-chase hunting principles which the Sierra Club supports. As HB 73 picked up debris from other bills and reacted to court decisions, it grew more egregious. By the time it passed out of committee, HB 73 prohibited Fish, Wildlife and Parks (FWP) from closing wolf hunts adjacent to Yellowstone and Glacier National Parks. The Montana Chapter worked with other groups to request that Governor Bullock veto this provision, but, unfortunately, he signed HB 73 into law.

Senate Bill 200,* which authorizes landowners to kill wolves on private property, based only on a perception of potential threat, is another major assault on wolves. SB 200 moves us away from Montana's citizen-stakeholder management plan and closer to Wyoming's plan where wolves can be shot on sight in 85% of the state on public or private lands. At the time of this writing, this bill has passed both houses and awaits the governor's decision.*

Not all the news is bad, however. Several bills that threatened predators died in committee. House Bill 33, also introduced by Ted Washburn, would have mandated killing of large predators that



When Wolves and Bison Interact as Old, Wild Woman Nature Decrees....
Photo Credit: National Park Service

were involved in conflicts with humans or domestic animals, including dogs, bees or chickens. House Bill 141 would have permitted the use of hound dogs to hunt black bears. The Montana Chapter, provided written testimony and worked to amend House Bill 322, which would successfully provide funding for non-lethal measures to reduce conflicts between carnivores and livestock. House Bill 27, which permitted silencers for hunting wolves and certain other predators, passed the legislature but was vetoed by Governor Bullock at the end of March.

The Montana Chapter spoke on behalf of bison, as well. On January 31, the Chapter joined numerous organizations and Montana Native Nations to pack the Senate Fish and Game Committee hearing to oppose Senate Bill 143.* I represented the chapter in testifying against SB 143, which would permit year-round, hunt-and-shoot-on-sight policy for Yellowstone bison migrating out of the Park and would set back bison recovery by decades. At the time of this writing, the bill has been passed by the Senate and is being considered in the House.

Other bills dealing with bison control are also being considered: HB 396 would require approval of county commissioners before FWP or Department of Livestock could release, transplant or relocate wild

bison to any lands, public or private, within its borders; Senate Bill 256 makes FWP (and taxpayers) liable for any damage to private property by wild bison; and Senate Bill 305 would redefine wild bison as having never been in captivity or controlled by any entity except for the state.

The Montana Chapter has been active and visible in fighting numerous anti-wildlife bills--an experience that's been many times rewarding, always educational and often frustrating. Those of us who care deeply about Montana's incredible wildlife heritage must stand up for it again and again, or we run the risk of losing it forever.

Through my volunteer experience, I have come to appreciate the Sierra Club staff--Zack Waterman, Bob Clark and Bonnie Rice--for their knowledge and dedication to wildlife issues.

We are in good hands, but our strength lies in being a volunteer organization. Please respond to calls for action. Your voice is needed!

*NOTE: As this newsletter was set to print, **Senate Bills 200 and 143 FAILED.** Thank you for your advocacy!

Survival 101: Building a Survival Kit

By Michael Jarnevic, Outings Committee Member

Despite the survival notions of cable television pundits, survival in the backcountry depends on one simple tenet: adequate preparation.

So, what precautions do we take to keep us alive in an unexpected situation in the backcountry? We put together—and carry—a survival kit. It should have, at a minimum, those items that will satisfy basic human needs. These are:

1. Shelter/Warmth
2. Water
3. Signaling

Notice that food is not among these, and for a simple reason: you can live without food for weeks, whereas lack of shelter/warmth or water can kill you within hours. Having said that, here are the

basics of a good survival kit:

Firestarter/ Matches:

Without a doubt, constructing a fire will be your number one priority for keeping warm and will also act as a signaling device.

Emergency Space Bag:

Although it's light, thin and packs very small, this will maintain body heat and keep you dry.

Cable Saw:

These easy-to-use saws can efficiently construct a shelter from tree branches and can be used for cutting firewood.

25' Parachute Cord:

This is an item that has multiple uses, from shelter building to various repairs.

Freezer Bag/Duct Tape:

All is contained within a sturdy bag that can be used to hold water and wrapped with the indispensable duct tape.

This list is certainly not all-inclusive, and there are other items that could be of value in a survival situation. Remember this, however: the bigger the item is, the more likely it will be left at home or in the car, where it does you no good.

Want to learn more? This kit will be explained in detail at my "Learn to Survive in the Outdoors" class on July 25 and the follow-on outing on July 27-28. Consider attending.

(See "2013 Outings of the Montana Chapter, continued" on page 11.)

On Being Bold about Statements Regarding Human-Caused Climate Change:

... The reason there is a consensus is validity. When all of the experts agree to something, you can pretty much take that to the bank. There is much less chance of it being wrong. A consensus takes a long time to build. Time has not tested the latest findings. Over time, almost all of climate science becomes validated and a part of the consensus. But time is not on our side.

The discussion rages in the environmental community about how to educate, but this discussion is not echoed in the academic community. It rages in the environmental community because of the negative impacts of the vested-interest propaganda. There is no propaganda in science. Climate science is not a political or economic, or even a social issue, and it is not difficult to understand either.

Properly translated into plain English, we can all understand climate science. A lot of this translation is happening now and has been for literally decades. But the "authoritative" voices have been busy. We simply need to be busier than those "authoritative" voices. We need to speak louder than them and repeat, repeat, repeat. We have enough votes to kick the disbelievers off the island. We need to understand that the need to move forward on treating climate pollution is greater than the need to keep from upsetting the minority.

Excerpt from Bruce Melton's opinion piece (30 March 2013) www.truth-out.org/opinion/item/15421-propaganda-self-censorship-and-climate-change



"Falcon on Red," Watercolor by Kendahl Jan Jubb
Photo Credit: Ram Murphy

Montana Chapter Newsflash

On January 24, 2013, the Montana Chapter held a Lobby Day at the State legislature in Helena.



Lobby Day was a group effort, sponsored by Montana Conservation Voters, Montana Chapter of the Sierra Club, Clark Fork Coalition, Montana Environmental Information Center, and MontPIRG. Participants learned basic lobby skills, learned about conservation issues and specific legislation affecting clean water, air, clean energy and wildlife.

The group attended a luncheon at the capitol with J. R. Tolbert, executive director of the National Caucus of Environmental Legislators and MT caucus representatives. Participants met with their House and Senate Representatives regarding legislation, attended floor sessions and committee hearings.

Above, pictured from left to right: top row--Connie Fiske, Kristin Walzer, John Wolverton and Chris Henderson; lower row--Zack Waterman, Matt Williams, Bonnie Rice and Bob Clark (Not pictured: Janet Fiero and Jonathan Matthews)

Nearly 500 Montanans gathered on Sunday, February 17, 2013, in Missoula, Bozeman, Whitefish, Kalispell and Bigfork for



Forward-On-Climate Rallies.

These local rallies ran concurrently with a national rally at the mall in Washington D.C., calling on our leaders to deny the Keystone pipeline and take decisive action to reduce dangerous carbon

pollution and solve the climate crisis. (Read Jonathan Matthew's article entitled "U.S. Must be Energy Leader" on page 1 and Bruce Hunner's on "Soundoff: Bitumen Corporate Angst" on page 8.) Photo: Michael Clark.

Dr. Alan Lockwood is a leading expert on the human health implications of coal pollution and climate change and has written a peer-reviewed book on the topic: The Silent Epidemic: Coal and the Hidden Threat to Health.

The Sierra Club's Beyond Coal campaign helped arranged for Dr. Lockwood to visit four communities in Montana: Billings, Bozeman, Helena and Missoula between March 18 & 21, 2013.



The tour presented an important message to 450 Montanans who attended and garnered extensive media coverage. The Billings public presentation included a contingency of 40 coal plant workers from the Colstrip power plant in SE Montana.

Dr. Lockwood's activities in Montana were very timely considering the potential to mine and transport billions of tons of coal from Montana's Otter Creek to Asia. There's a great deal of concern in Montana communities regarding increased coal train traffic and pollution if the Otter Creek reserves are developed.

Above, pictured from left to right: Missoula Staffer Bob Clark, Executive Committee Member Rachel Jennings, Dr. Alan Lockwood, Bozeman Staffers Bonnie Rice and Zack Waterman.

The court case against the Montana Department of Transportation (joined by Imperial Oil - Exxon/Mobil) is now essentially moot.

The supposedly irreducible mega-loads were cut into smaller sections and transported via the interstate system. The case was dismissed with the understanding that a more robust environmental review shall be conducted if, in the future, any Exxon-Kearl Module transport project infrastructure modifications are proposed for the corridors.

The dismissal stipulations apply only to this specific project/case. It would not apply to other megaload transports--oversize load 32J permits--in Montana.

Call for Candidates for the Executive Committee

By Janet Fiero, Executive Committee Vice Chairperson

The Executive Committee for Montana Sierra Club directs the political activities on a local and state levels, promotes conservation initiatives and campaigns, and organizes outings.

Do you want to make a difference in Montana? Volunteer to run for the Executive Committee (ExComm) and see the work that is conducted by a fun group of outdoor enthusiasts.

The ExComm is comprised of eight individuals. Each fall, four people are elected to a two-year term. Current ExComm members support you as you learn the ropes.

If you want to learn more about this unique opportunity, contact Janet Fiero at janetfiero77@gmail.com.



Janet Fiero, Bruce Hunner, John Rhodes and Rod Jude at a Planning Session
Photo Credit: Maria Ibarbia

Volunteers Needed for Wilderness 50 Celebration

By Claudia Narcisco, Executive Committee Secretary

Volunteers are needed to help with the big events planned for the 50th Anniversary of the Wilderness Act in 2014.

The Sierra Club and Wilderness Society were early drivers leading to this historic legislation. The Montana Chapter is coordinating with numerous agencies and groups to plan the celebration.

The kickoff planning session was held in February, 2013, and was well attended by representatives of diverse agencies and organizations. Together, we defined goals to promote Wilderness education, awareness and values; promote participant diversity; and encourage people to enjoy Wilderness.

At a subsequent meeting, a list of activities was discussed and created. Activities that may be subsequently developed and organized include

- Conference and lecture series through the University of Montana
- Photo and art contests and exhibits
- Artist in Wilderness residency

In addition, current volunteers discussed collaborating with existing downtown Missoula events like First Fridays, River Fest and River City Roots, established school and classroom programs, Big Sky and/or International Wildlife documentary film festivals, music events, Natural History Center activities, Wilderness outings and stewardship work.

Long-time outfitters and wilderness advocates Smoke Elser and Larry Larson proposed developing a documentary geared toward interactive education at the high school level. The objective is to bridge generations and develop future Wilderness advocates.

Clearly, many more organizations, businesses and volunteers with a variety of skills and community-building aptitude are needed to execute this year-long event.

Representing the Montana Sierra Club Chapter are Mary Owens, Michael Jarnevic and Claudia Narcisco, but there is plenty of room for your participation.

If you are interested, please contact Claudia at cnarcisco(at)yahoo(dot)com.

.....

*A wilderness,
in contrast with those areas
where man and his own works dominate the landscape,
is hereby recognized as an area
where the earth and community of life are untrammelled by man,
where man himself is a visitor
who does not remain.*

Howard Zahniser, The Wilderness Society
Excerpt from **The Wilderness Act of 1964**

Sound-Off: Bitumen Corporate Angst

By Bruce Hunner, Dirty Fuels/Beyond Coal Campaign Committee Member

Historically, our troposphere has been stable with CO2 levels around 250ppm for 20 million years. Because of anthropogenic (human) input, CO2 levels are now around 385 ppm from an estimated 880 billion tons of CO2 artificially ejected into our atmosphere since the start of the industrial revolution.

Leading academics warn we should not exceed 935 billion tons if our intention is to keep CO2 levels below 450 ppm. Beyond 450 ppm, irreversible climatic change is assured. To avert this end, for the past 20 years, leading researchers have recommended a reduction of CO2 output to 80% of the 1990 levels by 2050. Action can be logically expected of the greatest tonnage emitters in descending order: China, USA, Russia and India.* **Per capita, however, the average American puts out 20 tons per annum while the average Chinese, only two tons.** So, who is principally more obliged to reduce consumption?

Unfortunately, in our material world and by most norms of governance, principles take a bottom shelf to lust for the almighty dollar, and Canadians are proving to be no exception. As if there is no tomorrow, they struggle to extract their tar sands oil at ever-increasing rates. This race for resource extraction has absolute consent from the relevant corporate lapdogs in Premier Harper, Alberta Governor Allison Redford, Environment Minister Peter Kent and Energy Minister Ken Hughes. Who allowed republicans into Canada?

Alberta is the economic engine for Canada due to its fossil fuel extraction and has led to each of its largest cities exceeding Montana's entire state population. The tar sands are what has beckoned so many people to migrate north of us--not the tropical weather. Energy Minister Ken Hughes made projections that oil sands production could nearly double to 4.3 million barrels per day--if pathways to market are assured. 98% of their exports currently come to the U.S.

With bituminous oil having close to doubled the CO2 footprint compared to traditional crude, exploiting these fossil fuels is nothing short of dangerous. NASA's Jim



For the health and survival of our planet and our children's children, there's only one choice.
Photo Credit: N/A

Hansen said, "It would be game over." With Hansen, along with nine other Nobel winners who "reject this massive fossil fuels project"; First Nations' Idle No More members; the European Union who refuses bitumen imports; and North American conservationists, a counterbalance is beginning to curb this flow.

We already convinced the Honorable Obama to reject the Keystone XL construction once, and, on February 17, 2013, another march on the White House occurred with almost 40 thousand anti-KXL protesters. The Enbridge-Northern Gateway tar sands pipeline, proposed to run from Alberta to Kitimat, British Columbia, is being gladly stymied by First Nations, environmentalists--and by British Columbia. Governor Kristi Clark who wants a higher share of the revenues. Greed comes to our aid in the latter. With these two pipeline bottlenecks, Canada's growth economy has been affected. The nation's 2012 third quarter fell from a previous 1.7% to 0.6%, much less than the 1% forecast from Bank of Canada.

In virtual desperation, the Calgary-based pipeline giant Enbridge Incorporated filed papers in November, 2012, seeking regulatory approval to reverse the flow of

a Quebec-to-Ontario gas pipeline in an effort to get diluted bitumen to eastern shipping lanes. "The centerpiece of Canada's faltering economy is a plunge in energy exports which dropped to a 26% annual rate," according to *PostMedia News* (December.1, 2012). In other words, our firm opposition to Alberta tar sand development is working.

Hey Canada! Time to give more than lip service to conservation and renewables. **Preventing the ravaging of pristine boreal forests/bogs (carbon sinks), the complete destruction of the biodiversity of millions of hectares, the absolute adulteration of water quality and the complete lack of governance to address impacts to climate equilibrium is a fight all good patriots will gladly wage.**

*CO2 outputs per year, in billion (bt) and million (mt) tons:

China	2.8 bt,
United States	2.7 bt
Russia	661 mt
India	582 mt
Japan	400 mt
Deutschland	356 mt
Australia	226 mt
United Kingdom	212 mt
South Korea	185 mt.

Action Alert: NO on the War on Wildlife

By Claudia Narcisco, Conservation Committee Chairperson

Help us stop the War on Wildlife!

At the time of this writing, there are still several wildlife bills alive in the legislature. If these bills pass both houses, the Montana Chapter will call on Governor Steve Bullock to veto them, and we will need your help.

The status of these bills can change at any time.

Please visit the legislative website to get the latest status and text of the bill:

Go to www.leg.mt.gov; then go to "2013 Bills."

These are the bills we are most concerned about and may need a veto:

- **Carnivores:** Senate Bill 397 and House Bill 205

(SB 397 died in the House Fish, Wildlife and Parks Committee on April 4, 2013.)

- **Bison:** Senate Bills 256 and 305 and House Bill 396

Please contact the Governor's office at 406.444.3111.



"Golden Cat," Watercolor by Kendahl Jan Jubb
Photo Credit: Ram Murphy

Ask him to stand strong against attacks on carnivores, bison, and other public trust wildlife we're blessed with in Montana.

On behalf of Montana Chapter of the Sierra Club, thank you for helping to protect Montana's wildlife legacy!

The spiritual lands of the Wild Woman have, throughout history, been plundered or burnt, dens bulldozed, and natural cycles forced into unnatural rhythms to please others.

It's not by accident that the pristine wilderness of our planet disappears as the understanding of our own inner wild natures fades. It is not so difficult to comprehend why old forests and old women are viewed as not very important resources. It is not such a mystery. It is not so coincidental that wolves and coyotes, bears and wildish women have similar reputations. They all share related instinctual archetypes, and as such, both are erroneously reputed to be ingracious, wholly and innately dangerous, and ravenous.

Excerpts from *Women Who Run with the Wolves*
by Clarissa Pinkola Estes, Ph.D.
Former Wildlife Biologist, Jungian Analyst & Cantadora

Donate to Montana Chapter of the Sierra Club

By Janet Fiero, Fundraising Chairperson

Montana Chapter of Sierra Club works to protect Montana's important endangered species like grizzly bears and to speak out on critical environmental issues like destructive coal mining and transport.

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Contributions to Sierra Club are not tax-deductible. They support our effective, citizen-based advocacy and lobbying efforts.

Thank you for your continued support.



Upper Tongue River Canyon in the Bighorn Mountains near the Montana/Wyoming Border
Photo Credit: Bob Clark



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