



UtahSierran



This Issue

When did you fall in love with Utah's public lands? Do you have a story to tell? How to dish on **PAGE 3**

Sierra Club folks pumped out the comments against a proposed **oil shale strip mine near the White River**. Take a bow please, and read more on **PAGE 4**

The 2016 Utah Chapter Jamboree is coming on August 19-21 Have you registered yet? More info on **PAGE 12**

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on Facebook for the latest!

Celebrate a Clean Air Victory for Utah's National Parks

by Lindsay Beebe

On June 1, 2016, the EPA released the final Utah Regional Haze Plan that will protect clean air in our National Parks. The decision was received with jubilation from the Sierra Club and the thousands of individuals and businesses who weighed in to support strong pollution protections for our wild landscapes from nearby coal plants. The Hunter (1472 MW) and Huntington (996 MW) plants owned by Warren Buffett's PacifiCorp smear the skies of unrivaled national parks and wilderness areas that are protected under the Regional Haze Rule of the Clean Air Act. The June 1 final rule paves the way for a 76 percent reduction in nitrogen oxide pollution, improving visibility by 30 miles at Canyonlands National Park, avoids 11 premature deaths and 233 asthma attacks every year, as well as helping to preserve the enormous tourist and



Clean Air Means Clean Parks.

Thanks, EPA!



sc.org/HazeThankYou



outdoor industry reliant on these exceptional parks and vistas, among other public and environmental benefits.

The history of this outcome dates back to the 1990s when the Western Regional Air Partnership (WRAP) engaged stakeholders from Sierra Club, other environmental organizations and the Four Corners States to develop plans to reduce regional haze.

Since then the campaign has worked through and endured countless obstacles set in the way by the state of Utah and PacifiCorp who battled for a weak state haze reduction rule, as well as long, illegal EPA delays, multiple legal challenges, and a crucial moment last fall when Sierra Club helped to rally the community to dig in and go big to get a stringent rule.

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Our Mission

The Utah Chapter of the Sierra Club is a grassroots volunteer organization dedicated to:

Protect and promote Utah's outdoors and natural landscapes;

Educate and advocate for the responsible preservation of clean air, water and habitats; &

Support the development of sustainable renewable energy;

For the benefit of present and future generations.

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UtahSierran

Summer 2016 Vol. 49 No. 3

EDITOR: Mark Clemens

DESIGN: Cecily Sakrison, Peridot Design

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POSTMASTER: Send address changes to *Utah Sierran*, Sierra Club, 423 West 800 South, Suite A103, Salt Lake City UT 84101.

Annual dues for the Sierra Club are \$39, of which \$1 is for a subscription to *Utah Sierran*. Non-member subscriptions are available for \$10 per year from the Utah Chapter office.

Submit all articles, artwork, photographs, letters and comments to utah.chapter@sierraclub.org. Phone: 801-467-9297. The *Utah Sierran* reaches more than 5,000 members and friends of the Sierra Club in Utah. Display advertising is accepted. For a current ad rate card, contact Mark Clemens, utah.chapter@sierraclub.org or 801-467-9297. We reserve the right to refuse advertising that we feel conflicts with the goals and purposes of the Club.

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OurAir

Celebrate a Clean Air Victory
CONTINUED FROM PAGE 1

The current campaign worked tirelessly to demand that the best available technology, known as Selective Catalytic Reduction, be applied to Hunter and Huntington stacks to reduce the maximum amount of pollution from our skies, and our lungs. We created many victories along the way to generate 6,000 local public comments on the state plan, 55,000 public comments on the federal plan; we permeated the EPA's public hearing and dominated the evening testimony despite the hundreds of coal miners in attendance.

The stakes were high, and the cards were not always stacked in our favor. It's a testament to the power of public engagement and the sanctity of our unrivaled national parks that the EPA was able to make the determination of no fewer than four Selective Catalytic Reduction units on Hunter and Huntington coal-fired power plants. This is a victory for Utah certainly, but as the National Parks belong to every American, this is a victory we have won for our country which will benefit the quality of life of countless downwind residents and visitors. Utah's skies will be clearer, and the West will be a safer place to live because of the action taken by the Sierra Club and our allies.

In a time when it seems our local and state elected leaders are hell-bent on throwing millions of tax-payer dollars after coal export pipedreams, or delusional lawsuits to take back land that never belonged to Utah in the first place, take the time now to rejoice in this resounding win. Celebrate the sweet victory of protecting America's most treasured landscapes and taking one step closer to ensuring a livable planet for future generations. And remember, it couldn't have happened without the sincere engagement of supporters like you.

Love the Land, Share your Stories

by Jeff Clay



CLAYHAUS.NET

Most people I know have a story about their first time understanding and appreciating the grandeur and beauty of our public lands. For you it might have happened on Angel's Landing or Y Mountain, in Albion Basin or the San Rafael Swell. Sometimes the story is entirely interior—a flash of transcendence—but sometimes it can be outwardly dramatic. Perhaps you were alone or maybe with a loved one or family and friends. However you first experienced it, we want you to share your public lands love story—we're calling it the *Love the Land, Share your Stories* project.

Many families and individuals, hikers and bikers, climbers and campers, veterans and students, bird-watchers and photographers, hunters and anglers - people from all walks of life - have found Utah's public lands to be a source of awe and wonder, a place of beauty, a soothing

tonic for the crazy din of modern life. We want to hear how these lands have affected you. Whether you are a native, a recent transplant, or merely an occasional visitor, if you enjoy the exhilarating freedom and spirit-restoring wildness of our parks and public lands we want to hear your stories.

We'll be collecting these stories and using them to create a bi-weekly podcast centered on the LovePublicLands.com website—currently being built. But we'd also love to feature your public-lands-inspired art in other formats including anime, photography and video, for example. Our site allows you to upload files in a variety of formats, and upload is the main function already operational on the site.

As you prepare for the summer holidays, please consider whether you have a story to share, and stay tuned for the first stories at LovePublicLands.com.

OurLand

Public Pans Rights of Way Proposal for Oil Shale Strip Mine

by Mark Clemens



Sierrans and other citizens are concerned about the potential for water contamination from a mine near the banks of a tributary of the Green River, source of drinking water for millions across the Southwest.

As of June 13, 2016, Sierra Club members and supporters had submitted 7,000 comments via e-mail to the Bureau of Land Management (BLM) calling on them to deny multiple rights of way requested by Estonian-owned Enefit American Oil across public lands to allow

development of the first commercial oil shale mine near the White River southeast of Vernal, Utah. We expect additional comments were submitted via e-mail and letter before the deadline which was June 14th.

Sierrans and other citizens are concerned about the potential for water contamination from a mine near the banks of a tributary of the Green River, source of drinking water for millions across the Southwest. But the environmental impacts of the mine would go far beyond mere potential—development of the mine would set in train inevitable consequences such as depletion of ground and surface water for extracting a low-grade oil substitute called kerogen from the oil shale rocks and additional CO₂ emissions from processing and burning what is justly called the dirtiest fossil fuel.

The company claims its proprietary technology will allow it to process the oil

shale so that the total lifecycle greenhouse gas (GHG) impact will only be about 40% higher than conventional oil. Most other sources suggest oil shale's lifecycle GHG impact is at least twice as great as conventional oil.

This divergence is just one example of the incomplete or inadequate information supplied by the company to BLM. Because BLM is tasked not only with assessing the impacts of major actions on the environment but also with studying the impact of those actions cumulatively with related actions such as the operation of the proposed mine itself which Enefit calls the South Project, it's not in a position to produce a meaningful Environmental Impact Statement.

One of the most powerful testimonies against granting the rights of way came from Estonian activist Silvia Lotman who wrote an Op-Ed in the Salt Lake *Tribune*, <http://www.sltrib.com/opinion/3974651-155/op-ed-dont-let-estonian-shale-firm>, describing how oil shale mining run-off in Estonia made the River Purtse near her grandparents' house the dirtiest river in the country. Groundwater resources have also been polluted there.

With the price of conventional oil recovering to roughly \$50 a barrel, the profits from oil shale and tar sands development are still not as high as speculators would like, but with each turn of the technology screw, the costs of production are reduced making formerly marginal deposits commercially viable.

Because of the increasing viability of oil shale and tar sands, the Utah Chapter has commissioned a study of the impacts on water and climate of developing oil shale and tar sands in the Colorado River Basin from EcoShift Consulting. So far no agency or university has studied the consequences of regional development of these dirty fuels. We plan to use this information as part of our campaign to keep America's dirtiest fossil fuels in the ground.

OurLand

Prickly Pear Service Outing Report

by Will McCarvill

Over twenty volunteers showed up to move an ineffective barrier that was supposed to prevent vehicles from driving into the Mexican Mountain Wilderness Study Area (WSA) at Prickly Pear Flat on the northern fringe of the San Rafael Swell. The WSA was designated in the early 1980s by the Bureau of Land Management as part of a mandate from congress to inventory lands that possessed wilderness characteristics and to hold them in a non-impaired state awaiting action by congress to either designate them as wilderness, or release them to be managed as non-wilderness. The buck and rail barrier denoting the boundary of the WSA was ill-placed in the middle of a large meadow so vehicles simply drove around it. The Price BLM Field Office was first informed of this situation in 2003. Subsequent surveys by Wasatch Mountain Club volunteers in

2007 and 2013 determined that the problem remained to be corrected. In 2015 attention was focused on getting it fixed, however two attempts to remedy it in the fall were rained out.

At last, conditions were ripe this spring and a combination of Wasatch Mountain Club members, Sierra Club members and unaffiliated volunteers met on May 14 and 15, to move the barrier to a better location. This entailed disassembling two buck and rail fences and moving the pieces to the new location. One fence was over a mile from the point of reassembly. The process went quickly guided by Matt Blocker, the BLM representative who worked out the new location and brought tools and equipment for the volunteers. The new location should be more impermeable to illegal vehicle intrusion, while allowing the grazing permittee access to his livestock.



PAR RASMUSSEN

After the barrier was moved we took a hike to a pictograph panel. Nice, but not up to the standard of the Buckhorn Wash Panel. Sunday the group split up, some to hike, some to bike, and some to the Wedge Overlook. This fall, we will resume the WSA boundary monitoring program and tackle Sid's Mountain WSA on the western side of the San Rafael Swell. Look for surveying

on Saturday followed by a great hike on Sunday.

Thanks to all the volunteers who made the success possible, and to Par Rasmusson who documented the event on an excellent brief video, <http://utah.sierraclub.org/content/videos-worth-watching>.

CampaignUpdate



The Utah Chapter's Keeping Public Lands in Public Hands campaign is up and running. This volunteer-led effort aims to involve Utahns from across the state to push back against the Legislature's attempts to seize our public lands. Among the 31 million acres of public land that the state would like to take over are the Grand Staircase-Escalante National Monument, as well as Glen Canyon and Flaming Gorge National Recreation Areas. Conservative estimates suggest that Utah would have to spend an additional \$100 million annually to manage our public lands.

The campaign's website can be found at <http://keeppubliclands.com>. Readers can also find the campaign Facebook page at <https://www.facebook.com/keeppubliclands/>. Bumper stickers are available at the Utah Chapter office at 423 W 800 S, Suite A103. Please call in advance to make sure someone is in the office, 801/467-9294 x102. To learn more about the campaign, call 801/583-1650 or 801/467-9294 x102.

OnEnergy

Coal Debate Draws Passionate Participants

by Lindsay Beebe

On Thursday, May 20, at the federal coal lease hearing in Salt Lake City Sierra Club activist and our allies were met by very well organized opposition from Central Utah's coal mining communities. Over 500 miners, truckers, and coal industry executives and their families packed the room to overflow capacity before the hearing even began at 10 a.m.

Sierra Club and our allies dominated almost 40% of the total speaking time for the day.

The Sierra Club organized an “early action” team of volunteers to stand in line to reserve speaking cards as early as 7:30 a.m. Many volunteers (aka heroes) could not stay for the hearing, but came before work to do their part as placeholders. Luckily, those speaker cards were able to be transferred to Sierra Club and allied spokespersons later in the day, who otherwise would not have had the opportunity to speak. All speaking slots were taken by 8:45 a.m., and not a seat in the room was empty by 10 a.m. Latecomers were left to wait in the hall, where they could not hear or see the proceedings, until someone left and they could take their place.

Despite being outnumbered in the room by 10 to 1, we are thankfully able to report that the Sierra Club and our allies dominated almost 40% of the total speaking time for the day. The Department of Interior officials heard six hours of testimony and a total of 99 speakers. Of that number, 39 speakers spoke on behalf of the environment and urged reform of the broken federal coal lease



STEVE HOGSETH

Citizen activists spoke out for climate protection at the May 20 hearing on BLM's troubled coal leasing program.

program. The Sierra Club alone provided 17 of those speakers, and perhaps more importantly, our volunteers secured speaking cards that allowed many of the pro-reform voices to be heard yesterday.

Our coalition spokespersons came from far and wide, and represented a diverse array of viewpoints; from a Montana Rancher, to a Panguitch, Utah small business-woman, from a Grand County Commissioner to an Alta Town Councilperson, from a professor of Bioengineering at the University of Utah to a Priest from the Greek Orthodox Church. Our message promoting a just transition towards a clean energy economy was clear and compassionate.

Many thanks go out the Sierra Club Utah Team and our allies, too many to name here, for their tireless efforts. And special recognition goes out to those warriors that

made it through the entire day, 10 very long, very tense hours; Shane Levy, Craig Provost, Kathy Albury, Sharon St. Joan, Chris Steinkamp, Bobbi Bryant, Steve Hogseth, Dan Cohn, Stan Holmes, Kirt Williamson, Anne Thomas, Lawson Legate, and a few more I am sure I am forgetting.

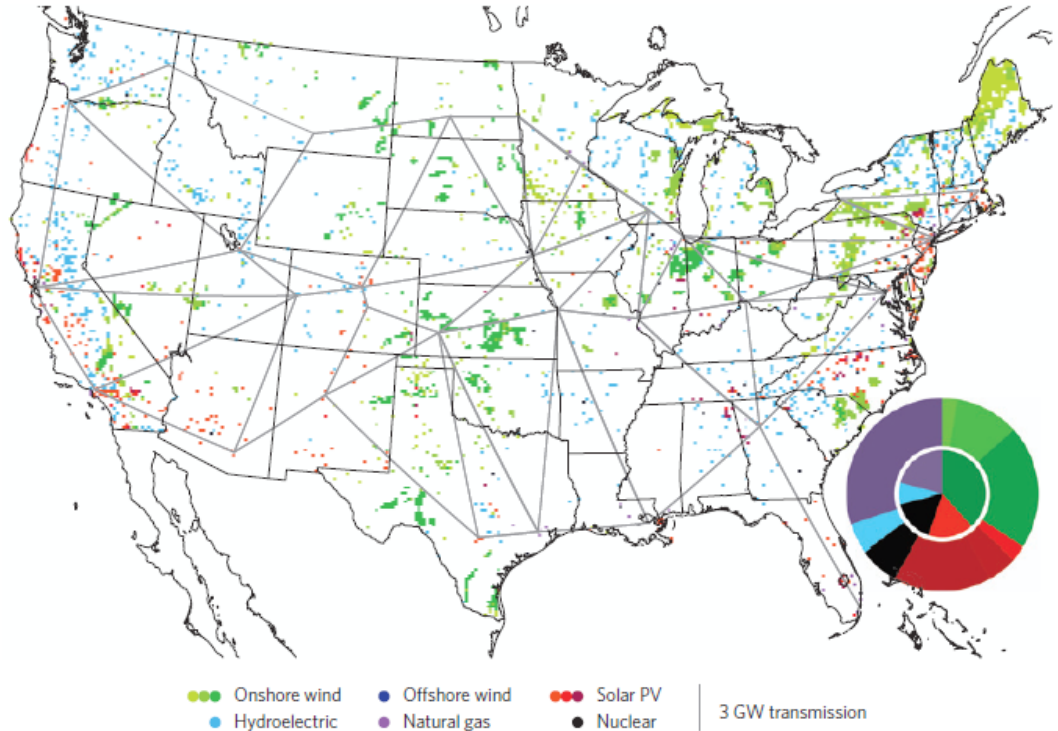
It takes courage to stand in front of a room, where over 1,000 eyeballs are staring you down with anger and mistrust, and be able to speak your message with love and strength. I was so impressed and buoyed by the perseverance many of our volunteers demonstrated, under very high pressure. Onward!

OnEnergy

New Study Shows 80% CO2 Reduction Possible Without Increased Electricity Prices

by Ian Wade

The point of this study is that it is technically feasible with current technology to produce most of our power with renewable energy without having to increase the cost of electricity.



A January 2016 research report by MacDonald et al, reported in *Nature Climate Change*, has good news for renewable energy generation. The report is summarized as follows.

Our results show that when using future anticipated costs for wind and solar, carbon dioxide emissions from the US electricity sector can be reduced by up to 80% relative to 1990 levels, without an increase in the cost of electricity. The reductions are possible with current technologies and without electrical storage. This reduction in carbon emissions is achieved by moving away from a regionally divided electricity sector to a national system enabled by high-voltage direct-current transmission.

Carbon dioxide (CO₂) release from burning fossil fuels is a major contributor to climate change. Without significant action

to curb these emissions, humans and the natural world will face increasing penalties. In contrast with the negative effects of CO₂ emissions are the benefits of cheap energy; electricity in particular is strongly linked to advanced national economies and high living standards. Any solution to mitigate CO₂ must be economical for it to succeed.

Integrating large amounts of wind and solar generated electricity would decrease CO₂ emissions drastically; however, they are dependent on the weather. The variability of the weather has led to the assumption that these technologies need to be supported by backup fossil fuel generation or storage on a significant basis, causing costs to soar. Paradoxically, the variability of the weather can provide the answer to its perceived problems. When the wind is not blowing or the sun shining in one region, another region can have good renewable power generating conditions.

By linking the regions generating wind and solar power with a network of high-voltage direct-current (HVDC) transmission lines the intermittency problem can be resolved. The study looked at actual weather data over a 2-year period and accounted for all of the costs of renewable energy generation including loss due to transmission. They found that a robust network that supplied power to the entire US could reduce CO₂ emissions up to 80% relative to 1990 levels, without increasing electricity prices.

In the current US electricity sector there is no single electrical power system; there are three large connected regions known as interconnects.

It is worth noting that in order to have a robust and affordable electric grid, natural gas plays an important role. Depending on the relative prices of natural gas, wind and solar

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OnEnergy

New Study Shows 80% CO2 Reduction
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the study forecasts natural gas production to be only 9% of the total if the price were at the upper end of its recent range.

An added benefit of producing most of our power from renewable resources is that water consumption from power production is reduced by 65% in 2030, relative to 2012.

If the electricity sector is decarbonized, there are good prospects that electrical vehicles, heat pumps, and other electricity-based technologies can similarly reduce CO2 across the entire energy sector.

The point of this study is that it is technically feasible with current technology to produce most of our power with renewable energy without having to increase the cost of electricity.

There would be challenges to implementing this, namely that it would require the construction of an interconnected network of transmission lines. It would also require power operators (e.g. PacifiCorp) to connect their grids, although this is already starting and is saving PacifiCorp lots of money according to their Q4 2015 report.

Although it would be a difficult transition, the challenges are not dissimilar to previous US projects for the creation of national markets, such as the transcontinental railroads of the nineteenth century, and the interstate highway system of the twentieth century.

Ian Wade is the Utah Chapter's vice chair and climate change spokesperson.

New Film Honors Conservationist Martin Litton

By Virginia Cramer



The Sierra Club is excited to help release a new film from O.A.R.S. and National Geographic filmmaker Pete McBride, *Martin's Boat*. The film pays tribute to the life of the late Martin Litton, who preeminent conservationist David Brower once called his "conscience." Litton was instrumental in preserving the Grand Canyon in its present undammed state—stopping two mammoth dams, one at Bridge Canyon, the other at Marble Canyon.

Today, there are new forces threatening the Grand Canyon, including uranium mining and development. It's become increasingly clear that to protect the park itself, it's also necessary to protect the surrounding public lands that are so integrally tied to the health of the Park. The film is a reminder that though the battles to protect the Grand Canyon may not be easy, they can be won. Litton's passion for the Grand Canyon has been passed on to countless others who remain vigilant and dedicated to preserving this crown jewel of our National Park System.

You can speak up for the Grand Canyon too by asking President Obama to designate the Greater Grand Canyon Heritage National Monument.

To watch the full film visit: www.martinsboat.com.

Published June 10, 2016, <http://www.sierraclub.org/lay-of-the-land/2016/06/new-film-honors-conservationist-martin-litton>

OnEnergy

Catching the Sun



Solar power systems need to face south, right? After all, the sun spends most of the day in the south. In years past, when each solar panel was worth a king's ransom, it would have been folly to face a solar array in anything but the optimal direction.

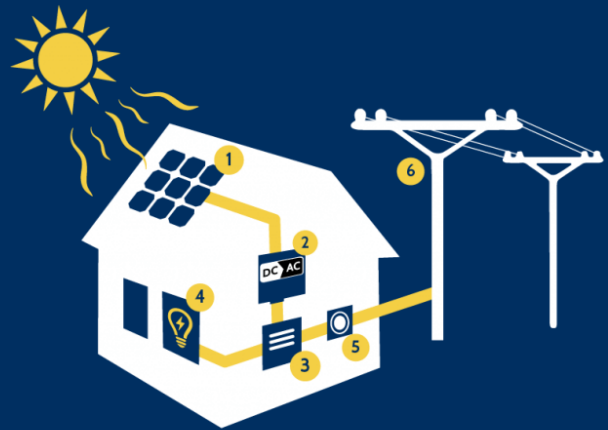
But what if your house does not have a south facing roof? Is solar a lost cause? It turns out that a solar array mounted on an east or west facing roof will produce more than 80% of the output of a south-facing roof. With solar panels at their present low cost, consider making use of that east or west facing roof and adding an extra couple of panels.

Even if you do have a south roof but it has more than about 20% shading on it, you'll be better off putting your array on an unshaded roof facing east or west.

Want to discuss the peculiarities of your own roof? Request a call from the Sierra Club's local solar partner at sierraclubssolar.org.

How a Solar Energy System Works

- 1 Solar Panels
- 2 Inverter
- 3 Electric Box
- 4 Electricity To Home
- 5 Net Meter
- 6 Electricity To Grid



1. Photovoltaic solar panels collect photons from the sun's rays. These photons push electrons through the silicon wafer panels. The transfer of photons pushing electrons creates an electrical current. **2.** Solar panels create DC electricity; our home appliances use AC electricity. An inverter is used to change the DC electricity to AC. **3.** The newly made electricity is sent to your home's electrical box and is then split into two directions. The energy is first used in your home and any extra is sent out to the electrical grid. **4.** Your solar produced electricity is used in your home. **5.** A net meter is used by your utility provider to record both, how much energy you produce, and how much energy you use. Any excess energy is recorded as an energy credit that you will save up to reclaim in low production months. **6.** The clean energy you haven't used is sent out to the grid for all to enjoy!

OnEnergy

The Bumpy Future of Utah's Nuclear Industry

by Sarah Fields

Over the past seven decades, Utah has played a significant role in the nuclear fuel cycle associated with atomic weapons and commercial nuclear power. That role has left a legacy of radioactive contamination and adverse impacts to Utah's air, land, water, and the health of workers and communities. That role continues today, with uranium mining and milling, nuclear waste disposal, a proposed nuclear reactor, involvement in a proposed small modular reactor project, and the possibility of becoming a major corridor for the transportation of irradiated nuclear fuel from reactors to a permanent or temporary reactor fuel repository.

WHITE MESA MILL

The White Mesa Mill, adjacent to the White Mesa Band of the Ute Mountain Ute Tribe Community, San Juan County, is the only operating conventional uranium mill in the U.S. The mill's license expired in 2007 and has been on so-called timely renewal since. Sierra Club and others submitted initial comments on the license renewal in 2011. This year the Utah Division of Waste Management and Radiation Control (DWMRC) is expected to issue a revised draft license, the environmental analysis, responses to the 2011 comments, and other documents for public comment. The license renewal now includes the Reclamation Plan.

The mill is currently on standby, and alternates between periods of operation and non-

operation, creating economic instability for workers. The low price of uranium does not support full-time operation of the mill.

Issues at the mill include groundwater contamination and radon emissions from the tailings impoundments, radon emissions from radium-bearing processing solutions, reclamation of the closed Cell 2, and impacts to the White Mesa Community.

Initial and subsequent mill construction destroyed several ancient pit houses, burial sites, kivas, and other structures. If the mill expands, other significant historic cultural resources will be destroyed after the artifacts are removed. Dig and documentation of the sites, removal of artifacts, and then destruction of the site is called "mitigation."

SHOOTARING CANYON MILL

The Shootaring (Shitamaring) Canyon Mill, near Ticaboo in Garfield County, is in the watershed of the Colorado River. The mill only operated for a few months in 1982 and was used to dispose of wastes from the cleanup of the old Hydro-Jet heap leach operation in the canyon. Recently a Canadian company, Anfield Resources Holding Corp., purchased the mill. They would like to refurbish and operate the mill. However, Anfield does not have the financial resources to permit and construct a new tailings impoundment and permit and develop uranium mines. The much-delayed license renewal application is due the end of June.

The Sierra Club's position is



San Juan County's White Mesa Uranium Mill.

that the mill should be reclaimed. The DWMRC should not allow the mill to remain on standby, delaying final reclamation indefinitely.

MINING

Energy Fuels Resources Inc., the owner of the White Mesa Mill has several permitted uranium mines in Utah, most on Bureau of Land Management (BLM) lands. All have been on standby since 2012 or before.

In 2011 Energy Fuels applied for the expansion of the La Sal Mines Complex in La Sal, on the south slope of the La Sal Mountains in San Juan County. The BLM and US Forest Service have been working on the Environmental Assessment (EA) and final decision. In November 2014, Uranium Watch and other organizations objected to the USFS EA and decisions. The groups prevailed, and in March 2015 the EA was sent back for

additional work. The final USFS and BLM EA and decision documents have yet to be issued.

Energy Fuels has applied to expand the Daneros Mine, near Natural Bridges National Monument from 6.5 acres to 65 acres. Sierra Club and others submitted scoping comments in 2011. The draft EA has yet to be released for comment.

Other permitted mines remain on indefinite non-operational status: Energy Queen, Rim, Sage, and Tony M.

Blue Castle Nuclear Reactor Project: Blue Castle Holdings Inc. (BCH), the proponent of a nuclear reactor near Green River does not have the financial resources to apply to the Nuclear Regulatory Commission Early Site Permit. In 2009 the Utah Chapter joined other organizations, individuals, and entities in protesting the

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OnEnergy

Utah's Nuclear Industry CONTINUED FROM PAGE 10

withdrawal of ~ 87 million gallons per day from the Green River for the project. The State Engineer ruled against the protestors. That decision was affirmed by the 7th District Court and is now on appeal.

A decision by the Court of Appeals is expected this fall. If the protestors do not prevail, BCH must start paying \$180,000 total per year to the Kane and San Juan County Water Conservancy Districts to lease the water. It is doubtful that this ill-advised project will move beyond dreams and speculation.

UAMPS SMALL MODULAR REACTOR PROJECT

The Utah Associated Municipal Power Systems (UAMPS) has power for a small modular nuclear reactor (SRM) project to be located at the Idaho National Lab. The various cities and counties (including Los Alamos County, New Mexico) still have to make final decisions regarding participation in the project, since the costs and other factors are still unknown. The 12-unit SRM would be use the NuScale design, yet to be approved by the NRC.

The SRM project is touted as clean energy by UAMPS, NuScale, and the Department of Energy. They and other nuclear industry representatives and supporters fail to consider the carbon emissions from uranium mining and milling, uranium conversion, uranium enrichment, fuel fabrication, fabrication and transportation of reactor parts, construction and operation of the reactor (which must have an outside source of electricity), waste transportation and disposal, transportation and permanent

disposal of irradiated nuclear fuel, and many other aspects of the nuclear fuel chain.

TRANSPORTATION OF IRRADIATED NUCLEAR FUEL

Efforts are still being made continue to license and open the Yucca Mt. Nuclear Waste Repository. These efforts will likely fail. However, should the repository open, Utah would be a major transportation route for huge cement casks containing canisters of highly radioactive nuclear fuel rods. Transportation would be by truck and rail. Currently, the DOE is looking for communities that would agree to the temporary storage of irradiated fuel or permanent disposition in a geologic repository. Having experienced opposition to temporary storage and permanent disposal by the States of Utah and Nevada, the DOE is taking comments on how to develop a so-called consent-based process. It is still possible for Utah to be rail and/or truck route for these casks to either a temporary storage site or permanent repository.

Sarah Fields is a member of the Sierra Club Nuclear Free Campaign Core Team and Front End Working Group.

FOR MORE INFORMATION

Uranium Watch: <http://www.uraniumwatch.org>

Utah Div. of Radiation Control: <http://www.deq.utah.gov/ProgramsServices/programs/radiation/uraniummills/index.htm>

Utah Div. of Oil, Gas & Mining: <http://linux3.ogm.utah.gov/WebStuff/wwwroot/minerals/mineralsfilesbypermitinfo.php>

What's happening in Salt Lake?

by Will McCarvill

I'm the new chair of the Salt Lake Group. I have lived in the Salt Lake valley since 1985, more or less, and have been a Sierra Club member for almost as long. For the last 15 years I have been the conservation director and/or president of the Wasatch Mountain Club. I decided that I wanted to take a more active role in local environmental issues and felt the Sierra Club with its local, state and national presence was a natural place for me.

I participated in the Envision Utah Wasatch Canyon Tomorrow effort several years ago. This led to being on the steering committee and recreation subgroup of Mountain Accord where I now am the chair of a working group polishing up the Draft Enhanced Trail Network for the Wasatch. I was on the visioning team for the Governor's Office of Outdoor Recreation and currently sit on the advisory committee. I spent years on the Salt Lake County Blue Ribbon Committee for the revision of FCOZ, the Foothill and Canyons Overlay Zone, for the unincorporated mountains of east Salt Lake County. Now I monitor what goes on in the Salt Lake County Council and planning commissions such as the one for the Mountainous Planning District. I also watch what is going on in the Salt Lake Ranger District, the local office of the U.S. Forest Service. Conducting Wilderness Study Area (WSA) boundary surveys in the San Rafael Swell is one of my ongoing efforts. Recently fellow Sierra Club volunteers erected a more effective barrier to vehicles entering the Mexican Mountain

WSA in the north end of the Swell.

As always, there is a lot going on locally such as the Utah Division of Wildlife Resources trying to figure out how to increase the mountain goat population in the Wasatch, Alta expansion plans, a proposal by the Forest Service to charge fees for the use of several trailheads in the Wasatch, and Mountain Accord activities. My hope is to keep you posted on what is happening via email.

Sign up to UT-SALT-LAKE-GROUP listserv to keep up to date on all these issues and more. Here's how:

1) SEND AN EMAIL!

To: Listserv@lists.sierraclub.org
From: Your real email address
Subject: [may be left blank]
Message: SUBSCRIBE UT-SALT-LAKE-GROUP your first name your last name

2) WATCH YOUR INBOX

You'll receive an automated reply message requesting you to confirm your subscription.

3) CONFIRM

Once you follow the instructions to confirm, you'll start receiving messages posted to the listserv.

To cancel your subscription, follow the procedure described above but with UNSUBSCRIBE UT-SALT-LAKE-GROUP in the message. The UT-SALT-LAKE-GROUP listserv will also serve as a forum for questions and discussions about conservation issues from American Fork Canyon to Farmington Canyon and from the Wasatch Front west to the Stansbury Range.

ChapterNews

MEET MADDY AND SAM!

by Mark Clemens



Maddy and Sam are our helpful summer interns. Both are University of Utah students helping out in the office and at outreach events. Maddy has not only written a giant stack of thank-you postcards and helped with phone banking, but she has also started a research project to bring the chapter's own history up to date. Sam has also helped with research projects, phone banking and data entry.

As we continue to plan the chapter's first Utah Sierra Club Jamboree (August 19-21, 2016), you might speak to Maddy or Sam. You'll likely also have a chance to meet them if you attend the jamboree or swing by the Salt Lake City Farmers' Market or Park Silly. On behalf of all the chapter membership, thank you to our interns.

Join our Team



EXECUTIVE COMMITTEE CANDIDATES

The Utah Chapter is governed by a group of volunteers called the executive committee. This committee consists of eight members elected by the chapter membership and one voting representative appointed by each of the Sierra Club groups in Utah. The terms of elected executive committee (ExCom) members are staggered so that four members' terms expire each year.

Members of the ExCom are expected to attend approximately six meetings each year held in Salt Lake City and around the state, must be able to handle e-mail correspondence of as many as 5 to 10 messages per week, and usually help either with chapter support functions—such as fundraising, communications or membership recruitment and retention—or with conservation activities such as organizing, writing and researching to protect public lands, climate or environmental health. Three of the six annual ExCom meetings are held via conference calls.

If you should be interested in running for a two-year term on the ExCom from January 2017 through December 2018, please send a 200-word bio or CV and a photo in digital format to the nominating committee secretary at mark.clemens@sierraclub.org. If the committee decides not to nominate you after reviewing these materials, you have the right to run as a petition candidate provided you supply the nominating committee with a petition for your addition to the ballot signed by 15 current Utah Chapter members.

All submissions must be received by the nominating committee before Friday, 5 August 2016, at 12:00 noon, MT. You will be informed within 48 hours about the status of your submission. The ballots will be distributed in the Fall 2016 issue of the *Utah Sierran* newsletter during the first week of October 2016. Ballots will be counted in December 2016, and the results published shortly thereafter.



The Utah Chapter of the Sierra Club extends a very special thanks to the

George B. and Oma E. Wilcox and Gibbs M. & Catherine W. Smith Charitable Foundation

for its continuing generous support of the Chapter's programs. The Foundation challenges you to increase your support for the Utah Chapter in 2016.

ChapterNews

The Hills Are Alive with the Utah Sierra Club Jamboree



Registration has opened on the long-awaited, inaugural Utah Sierra Club Jamboree.

This summer, when Utah's valleys and desert canyons are at their hottest, you're invited to a weekend of celebration and learning in the cool of the Uinta Mountains. The 2016 Jamboree will be hosted at the beautiful and secluded YMCA Camp Roger, located in Soapstone Basin off of Mirror Lake Highway.

Join us for a brand new Utah Sierra Club tradition, and bring your friends and family too.

WHO: Sierra Club members and activists and their friends and families

WHAT: Utah Sierra Club Jamboree

WHEN: Friday, August 19 to Sunday, August 21, 2016

WHERE: YMCA Camp Roger

RSVP at www.sc.org/UTJamboree

Questions? Email Lindsay Beebe at Lindsay.Beebe@sierraclub.org.

This weekend will be an opportunity to enjoy the serenity of the Utah wilderness,

explore new ways to engage with the Utah

Sierra Club, and learn how to

protect our shared home from dangerous pollution, fossil fuel development, and state-sponsored land-grabs. Programs will include a mix of recreational outings, service projects, educational workshops, and social events. A full schedule of Jamboree activities can be found here, http://utah.sierraclub.org/sites/utah.sierraclub.org/files/documents/2016/06/Jamboree2016_Itinerary.pdf.

Food and accommodations will be provided, and families are welcome. Camp Roger cabins will be provided, however please feel free to bring your tent if you prefer to sleep under the stars. We are pleased to be able to offer this all-inclusive weekend of camping and learning in the Utah wilderness for a donation of \$25 per member, \$35 per non-member, and \$20 per child (\$100 maximum per family). Scholarships are available upon request.

Space is limited, so register now to reserve your spot. Don't miss out on this action-packed weekend of fellowship and learning in the Utah wilderness.

YOU MAKE US TICK— Thank You

The Utah Chapter Sierra Club thanks the following matching grant donors who helped make our Love Utah Give Utah 2016 launch so successful:

Creative Energies
Marion Klaus
Peter Metcalf
Treasure Mountain Inn

We'll include a complete list of the more than 80 2016 Love Utah Give Utah donors in the Fall 2016 Utah Sierran.

We've been the beneficiary of years of generous support from the **George B. and Oma E. Wilcox and Gibbs M. and Catherine W. Smith Charitable Foundation**.

Backcountry.com and the **Sierra Club Beyond Coal Campaign** made substantial gifts to make our first annual Utah Sierra Club Jamboree possible in 2016.

The Utah Chapter is proud to be a member of **Community Shares/Utah** which raises funds for over 20 Utah non-profit agencies through payroll deduction in workplaces all over the state.



Utah Chapter Outings

EXPLORE WITH US! JUNE–SEPTEMBER 2016

Abbreviations in capital letters signify the group planning the outing. [E] = educational content, [C] = conservation focus, [S] = service activities.

All members and nonmembers are welcome on any of the chapter or group activities listed.

Radios, firearms and dogs are not welcome on Sierra Club outings. Interested participants are strongly encouraged to contact the outing leader in advance and inquire as to updates, degree of difficulty, and other outing details. Participants should be prepared for various seasonal weather conditions, temperature changes that occur due to rapid increases/decreases in altitude, and bring enough food, water, and appropriate clothing for the given outing. Outing leaders reserve the right to turn away anyone who appears unprepared for scheduled outings.

FIND OUT about changes in hike schedules, last-minute outings and socials by subscribing to the new UT-OUTINGS-FORUM listserv. More information is available at

www.utah.sierraclub.org/email_list.asp

ONLINE OUTINGS TOOL!

All the outings, book club meetings and socials for the chapter and all three groups are now found in one place, www.utah.sierraclub.org/activities.asp. You can sort by event type or use a built-in mapping function.




TUESDAY NIGHT HIKES


July

GCG, Sat, 7/2 Onion Creek. Intend to enter a tributary somewhere near Stinking Spring, go up and over the benches and come back down a different tributary. Tammy and Ed met someone who claimed to have done this without any technical obstacles, but more scouting is needed. Updates will be posted. Meet at: Parking lot, former Red Rock Elementary School, at 8:00 AM. Leader: Tammy Berrie 435-260-0642, southeasternutahtammyb@yahoo.com.

OG Mon, 7/4, Mollen's Hollow Overlook Hike. This year we really have something to celebrate! The Forest Service has dropped its plan to open a new ATV trail along this favorite hiking route in the Monte Cristo Range. As always, it's a great 5-mile family hike atop a rolling plateau, with expansive vistas and spectacular wildflowers guaranteed. Call Dan Schroeder at 801-393-4603 for meeting time and place.


 **SLG Tues 7/5: Lambs Canyon/Elbow Fork Cross-Over hike.** Up one side and down the other! We'll divide into two groups to traverse the ridge separating Millcreek and Lambs Canyons, exchanging keys at the top. The terrain will range from deep creekside woods to mountainside aspen stands. Meet promptly at 6:00 p.m. (note earlier departure time) at the Skyline High School parking lot, 3251 E. Upland Drive (3760 S). Participants will arrange carpools to the two trailheads at that time. Bring headlamps. Leaders: Rebecca Sears, rears@hotmail.com, (801) 631-6335 and Jim Paull, (801-580-9079, jimpaull@sisna.com).

SLG Thurs 7/7: Sunset Peak. From Brighton at the head of Big Cottonwood Canyon we will ascend to Catherine Pass and continue on past tree line to Sunset Peak, which offers fine views of the Uinta Mountains to the east as well as the alpine lakes below. Meet at 4:30 pm at the 6200 South Park and Ride lot, 6450 S. Wasatch Blvd. (1 mi north of the canyon mouth). We plan to return to the trailhead about 9:30 p.m. Leader: Bruce Hamilton (801-819-9435 or bhami@pobox.com).

 **SLG Tues 7/12: White Fir Pass.** This pleasant wooded trail begins at the Terraces Picnic Site in Millcreek Canyon and takes us along a shady stream and mountainside to the pass, where we are greeted with a vista of Gobblers Knob underneath giant white firs. The trail offers a cool and refreshing hike through lush undergrowth and tall conifers. Meet at 6:30 pm at the Skyline High School east parking lot, 3251 E. Upland Drive (3760 S.). Call Aaron Jones at 801-467-3532 or email ajonesmvp@msn.com for information.

GCG, Sat, 7/16 Gold Basin. Beat the heat in the La Sals. About five miles with moderate elevation gain. Explore a wooded valley with a running stream. Ruined dwellings at old mining claims. Above two little ponds in the woods is a tarn amid rock glaciers at the head of the basin with views of Mt Tukuhnkivat and the ridge between Mellenthin and Tukuhnkivat. Meet at: Parking lot, former Red Rock Elementary School, at 8:00 AM. Leader: Jock Hovey 435-260-0239 jockhovey@gmail.com.


OG Sun, 7/17, Hidden Valley. It is a fairly steep trail but the path is well defined. The hike is about 2.5 miles' one-way dead end. It calls for a vertical ascent of about 2,200 feet. Hidden Valley, a substantial mountain bowl, was for centuries a favored hunting ground for Indians, trappers and the early pioneers. Populations of Rocky Mountain sheep, deer, elk and other game animals used the area for spring forage or relief from the heat of the summer. The hike offers spectacular views of the Ogden area. Carry along water and a snack. Meet at the top of 22nd street trail head at 8:00 am. Call joanie at 801-399-0034 for details

 **SLG Tues 7/19: Circle All Peak.** Cool streams, tall stands of fir and aspen, and a well maintained trail beckon the hiker to sample the ambiance of Big Cottonwood Canyon. The trail travels up the Butler Fork drainage, where it is not unusual to meet moose browsing the streamside vegetation. Meeting place is the 6200 South Park and Ride lot, 6450 S. Wasatch Blvd. (1 mi north of the canyon mouth) at 6:30 pm. Please contact Colleen at (801) 484-4105 or (801) 554-7153 or email at colleen.mahaffey@gmail.com for questions or more details.

SLG Thurs 7/21: Brighton Lakes/Clayton Peak. Mary, Martha and Catherine are sapphire beauties in a chain of lakes above the Brighton ski area. A moderate five-mile round trip will take us past each of these gems to the flower fields below Catherine Pass. A separate group

Outings, continued

will undertake the somewhat more challenging hike up Clayton Peak east of Brighton. Meet promptly at 4:30 pm at the 6200 South Park and Ride lot, 6450 South Wasatch Blvd. (1 mi north of the mouth of Big Cottonwood Canyon). Headlamps are advisable. Leaders: Fred Swanson (801) 588-0361, fbswan32@msn.com and Bruce Hamilton (801) 819-9435 or bhami@pobox.com).


 **SLG Tues 7/26: Greens Basin.** The Greens Basin trail leads up through lush aspen and conifer stands, ending in a broad, shady meadow away from the bustle of Big Cottonwood Canyon. Headlamps recommended. Meet promptly at 6:30 pm at the 6200 South Park and Ride lot, 6450 South Wasatch Blvd. (1 mi north of the mouth of Big Cottonwood Canyon). Leader: Rebecca Wallace (rebeccawallace38@msn.com or 801-557-5261).

GCG, Sat, 7/30 Kane Creek Triple Bypass. Beginning 15 miles south of Moab, we hike to the confluence of Muleshoe and Upper Kane Creek canyons, via a new route descending Triple Bypass Canyon. Then we hike downstream on a rough jeep road high above Kane Creek, and back upstream in and along Kane Creek. Bring river sandals, and swim or other clothes for recommended full immersion. Approx 5-6 miles, 4-5 hours. Meet at: Parking lot, former Red Rock Elementary School, at 8:00 AM. Leader: Albey M Reiner 435-260-8708.


SLG Fri 7/29-Sun 7/31: Mt. Nebo Camp and Hike. At 11,928', Mount Nebo is the highest peak in the Wasatch Mountains and offers spectacular views of northern and central Utah. The 27,000-acre wilderness area surrounding the mountain was designated in 1984. We plan both a day hike and a two night car camp at nearby Ponderosa Campground, where we have reserved several sites Friday and Saturday night for those who want to enjoy the pine-scented air before and after the day-long hike up Mount Nebo on Saturday. Although at the time of this writing we are still considering several different routes, the Nebo Bench Trail is 11 miles out and back, strenuous, and climbs a little over 5,000 feet in 5.5 miles, with the other option an 8 mile round trip with 3,000 feet elevation gain. Those participating in the Mt. Nebo hike will need leader approval. For those wishing to camp, a \$10.00 deposit per person is required that is refundable up to two weeks prior to the event. After that, refunds will only be paid if organizer expenses are covered. There are options to camp only but not hike Mt. Nebo, or to hike only and not camp. Sierra Club

liability covers only the organized hike itself, and does not cover camping, other hikes you do on your own or transportation to the camp/hike. For more information, contact Rebecca Wallace by email at rebeccawallace38@msn.com, cell 801 557-5261 (or Bruce Hamilton at bhami@pobox.com).

August

 **SLG Tues 8/2: Willow Lake.** This delightful hike in Big Cottonwood Canyon starts out steeply, climbing through an aspen forest. The trail then levels out, passing through several meadows and ending at a serene lake in a peaceful setting below the Wasatch crest. Meet at the 6200 South Park and Ride lot, 6450 S. Wasatch Blvd. (1 mi north of the canyon mouth) at 6:30 pm. Leader: Aaron Jones at 801-467-3532 or email ajonesmvp@msn.com.


SLG Thurs 8/4: Lake Blanche in the afternoon. Lake Blanche is the first of a trio of beautiful small lakes nestled in a cirque under rugged Sundial Peak. Outcroppings of colorful smooth rock soften the jagged alpine landscape and offer pleasant distraction from the steep hike to the lakes. At least one liter of water and ample snacks are recommended along with footwear appropriate for a hike over rocky terrain. The trail is good, but be prepared for a stiff climb of 2700 feet. Meet at 4:30 pm at the 6200 South Park and Ride lot, 6450 S. Wasatch Blvd. (1 mi north of the mouth of Big Cottonwood Canyon). Leader: Bruce Hamilton (801) 819-9435 or bhami@pobox.com.

 **SLG Tues 8/9: Church Fork to the Ridge.** From Millcreek Canyon we'll climb nearly 2000 feet through a varied forest of maple, fir and Gambel oak to the ridge beneath Grandeur Peak, which offers fine views across the city to the Great Salt Lake. Bring headlamps to aid in the descent. Meet at 6:00 pm at the Skyline High School parking lot (northwest end), 3251 E. Upland Drive (3760 S). Leader: Rebecca Sears, resears@hotmail.com, (801) 631-6335.

SLG Thurs 8/11-Sun 8/14: Great Basin Introductory Car Camp. This is a double barreled adventure. Great Basin National Park is a fantastic hiking area, and this weekend we are also blessed with one of the best meteor showers of the year. The Perseids meteor shower routinely displays some 60 meteors an hour but, some sources expect an extraordinary shower this year of as much as 150 meteors per hour. During the day we can enjoy hiking Mt. Wheeler and other incredible

trails of the park. Plan on leaving town Thursday evening if possible but later departures can be accommodated. Anticipate staying at the Baker Creek campground but, campsites are first come-first served so some adjustment might be needed. Newcomers to car camping are welcome and will be provided with a wealth of information to help provide enjoyment for years to come. Registration is required; contact Aaron Jones at 801-467-3532 or email ajonesmvp@msn.com. Note that Sierra Club sponsorship is limited to organized day hikes, and that participants will be responsible for securing their own campsite, meals, etc.

GCG, Sat, 8/13 Pilot Peak and Green Mountain from Beaver Basin. Beaver Basin is located just north of Manns Peak at about 10,500 ft. After a drive among the pines and aspens, it's about 1600' first to a saddle and then to the top of Pilot Peak at 12200', about a mile and a half from the end of the road. From there it's less than a mile with a dip down to 12000' to summit Green Mountain. Great views. Meet at: Parking lot, former Red Rock Elementary School, at 8:00 AM. Leader: Tammy Berrie 435-260-0642 southeasternutahatammyb@yahoo.com.

 **SLG Tues 8/16: Ferguson Canyon.** Ferguson Canyon is a small canyon between Big and Little Cottonwood Canyons. This is an out and back hike that will follow a stream bed. There will be several easy stream crossings. We will hike to an overlook and turn around. The trail is shaded until the overlook is reached. This will be a nice respite from the summer heat. Meet at 6:00 pm at the 6200 South Park and Ride lot, 6450 South Wasatch Blvd. (1 mi north of the mouth of Big Cottonwood Canyon). Please contact Colleen at (801) 484-4105 or (801) 554-7153 or email at colleen.mahaffey@gmail.com for questions or more details.

SLG Thurs 8/18: Catherine's Pass from Albion. From the high elevation trailhead at Albion Basin, hikers will ascend to Catherine's Pass. If time allows, we will continue on past tree line to Sunset Peak which offers views of the Uinta Mountains to the east as well as alpine lakes below. A full moon may light our return, but headlamps are also recommended. Meet at 4:30 pm at the Little Cottonwood Canyon Park and Ride parking lot, north side of the road at the mouth of Little Cottonwood Canyon (4323 E. Little Cottonwood Canyon Rd). For details, call Jim Paull at 801 580-9079.

Outings, continued



SLG Tues 8/23: Great Western Trail from Big Mountain Pass. The ridgetop trail which leads east and south from Big Mountain Pass at the head of Little Dell Canyon offers a delightful evening stroll through forest and meadow—and perhaps the chance to see a moose. Headlamps recommended. We'll meet at 6:00 pm at the Skyline High School parking lot (northwest end), 3251 E. Upland Drive (3760 S.). Leader: Rebecca Wallace (rebeccawallace38@msn.com or 801-557-5261).

GCG, Sat, 8/27 Mary Jane and Professor Canyon Creek. Follow the stream four miles up a deepening and narrowing red rock canyon to a spectacular waterfall over a big chockstone. Easy walking with little elevation gain, simpler with waders, though it is possible with effort to stay dry to just below the waterfall. Meet at: Parking lot, former Red Rock Elementary School, at 8:00 AM. Leader: Thomas J Messenger 435-259-1756 messengert35@gmail.com.



SLG Tues 8/30: City Creek to Davis Co. Overlook. The Bonneville Shoreline Trail climbs out of lower City Creek Canyon to a fine overlook of the Great Salt Lake. The maples may be turning color along the way. Meet by the entry gate to the City Creek Nature Preserve at 6:00 pm. Take Bonneville Blvd at the intersection of 11th Avenue and B Street, drive downhill about a half mile, then turn right at the sign. If the parking lot is full, there are overflow spaces along the entry road. Doug Johnson, 801-888-4183 or doug.johnson@hsc.utah.edu.

September



SLG Tues 9/6: Alexander Creek. Spring-fed Alexander Creek borders Mountain Dell golf course and runs east into a hidden canyon designated as a county preserve as part of the 2002 Olympics. Beaver ponds and dens are one of the special rewards of this hike. Meet promptly at 6 pm at the Parley's Way Walmart parking lot, 2705 Parleys Way, west of the Bombay House Restaurant in SLC. Leader TBD.

GCG, Sat 9/10 Wooden Shoe Arch Day Hike. Plan is to visit Wooden Shoe Arch in the Needles area then continue past down into Lost Canyon and connect with the Peekaboo Trail to return. If scouting fails to find a way into Lost, another Needles loop such as Lost-Squaw will be substituted. Updates will be posted. Meet at: Parking lot, former Red Rock Elementary School, at 8:00 AM. Leader: Tammy Berrie 435-260-0642 southeasternutahammy@yahoo.com.



SLG Tues 9/13: Neffs Canyon. Neffs Canyon is the site of an old mill dating to 1847 but now is a prime hiking location just south of Millcreek Canyon and is easily accessible from the valley. Numerous springs and meadows of wildflowers adorn the trail and groves of conifers create a quiet buffer from the nearby Olympus Cove residential neighborhood. The plan is to hike to the second meadow so bring water and snacks for refreshment along the way. Also bring headlamps and trekking poles. Meet at 6pm at the Skyline High School east parking lot, 3251 E. Upland Drive (3760 S.). Leader: Rebecca Wallace (rebeccawallace38@msn.com or 801-557-5261).

OG Sun, 9/18, Jardine Juniper Day Hike. "This pleasant 10-mile hike takes you to one of the most popular landmarks of the Logan Canyon area, an ancient, still living, juniper tree. The age of the tree is estimated at about 1500 years old, [making it] the oldest known Rocky Mountain juniper.... The trail is quite delightful with meadows, fir and aspen groves, unique wildflowers, great vistas, and exquisite fall colors, which generally peak in late September." Bring water, and a lunch. Call joanie at 801-399-0034 for details



SLG Tues 9/20: Mormon Trail. The Mormon Trail (also part of the Pony Express Trail) takes us through the lovely woods and meadows of Little Dell. It is not unusual to see moose in this area. Meet at 6:00 pm at the Parleys Way Wal-Mart parking lot at 2705 Parleys Way, southeast corner, near the Bombay House Restaurant. Please contact Colleen at (801) 484-4105 or (801) 554-7153 or email at colleen.mahaffey@gmail.com for questions or more details.

GCG, Sat, 9/24 Gold Knob from Warner Lake. Climb about 1500' up the ridge from Warner Lake to the pass to Miners Basin. Go along the ridge to Gold Knob for sweeping views from north through west to south. Perhaps also explore the other direction from the pass for views into Miners Basin and surrounding peaks. Perhaps 6 miles. Meet at: Parking lot, former Red Rock Elementary School, at 8:00 AM. Leader: Thomas J Messenger 435-259-1756 messengert35@gmail.com.



SLG Tues 9/27: Bonneville Shoreline Trail from North Salt Lake. This 5 mile out-and-back hike traverses the foothills between North Salt Lake and Salt Lake City. We will contour over roller-coaster open terrain on a combination of trails and fire roads, climbing

nearly 1,000 feet along the Bonneville Shoreline Trail. This hike features vistas of the Farmington Bay Bird Refuge, Antelope Island, Great Salt Lake, and Wasatch Front summits. We'll reach an end point that is also reachable from City Creek and look down on Ensign Peak before returning. Meet at Tunnel Springs Park, 1080 East Eaglepointe Drive, North Salt Lake, at 6:00 PM. No dogs. Trailhead Information: From Salt Lake City go north on I-15 and take exit 312 (North Salt Lake/ US-89/ Beck Street). Drive north on US-89 1.4 miles. Turn right (east) on Eagle Ridge Drive past the traffic circle and wind up the hillside 1.7 miles to Eaglepointe Drive. Turn right (south) on Eaglepointe Drive and drive south 0.6 miles to the parking lot at the end of the pavement on the right (west) side of the road. This is a small community park complete with tennis courts, a child's play area, picnic pavilion, and restrooms. Leader: Bruce Hamilton, 801-819-9435 or bhmi@pobox.com.

The Sierra Club does not have insurance for carpooling arrangements and assumes no liability for them. Carpooling, ridesharing or anything similar is strictly a private arrangement among the participants. Participants assume the risks associated with this travel. If you choose to carpool to the trailhead, it is only fair for fees charged by the US Forest Service to be shared by all participants. Text of the outings liability waiver may be found at <http://www.sierraclub.org/outings/chapter/forms/signinwaiver.PDF>. CST 2087766-40. Registration as a seller of travel does not constitute approval by the State of California.

Utah Chapter Sierra Club
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Bear in mind the consequences.

The Yellowstone grizzly bear is an irreplaceable part of America's natural heritage, a symbol of the independence that defines the American character and an icon of all that is wild and free. The Bush administration set forth a proposal that would remove federal protection for the Yellowstone grizzly bear. Since it was first listed as "threatened" under the Endangered Species Act in 1975, the grizzly bear has made a strong recover, but there is still more work to be done. Help Sierra Club protect our forest friends; they prefer the woods than being on display.

Get grizzly and JOIN Sierra Club.

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

Join today and receive a FREE Sierra Club Weekender Bag!



Contributions, gifts and dues to Sierra Club are not tax deductible; they support our effective, citizen-based advocacy and lobbying efforts. Your dues include \$7.50 for a subscription to *Sierra* magazine and \$1 for your Chapter newsletters.



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Enclose a check and mail to Sierra Club, P.O. BOX 421041 Palm Coast, FL 32142-1041, or visit our website www.sierrclub.org