

MONO LAKE



N E W S L E T T E R

Fall 2018

40
YEARS

AND RISING

DWP Causes Litigation

Shoreline Habitat Restoration Plan

Free Drawing

Fall Catalog

At the 40th anniversary storytelling roundtable held during the Defense Trust Weekend, listening to Sally Gaines, Martha Davis, Geoff McQuilkin, and Peter Vorster reminisce about the early days of the Mono Lake Committee, I had a sudden, clear thought:

What we're doing—all of us, every day at Mono Lake—is defending the public trust.

The roundtable was held at the brand-new Pioneer Solar Pavilion in Hess Park, a project brought to life by the (extra) ordinary people of Lee Vining, who believe in a better future for Mono Lake and all who love it. They're defending the public trust.

During the early days of the Committee's efforts to save Mono Lake, even before the legal argument that the lake should be protected for the public good was articulated, Sally and David and the other founders were defending the public trust.

After the California Supreme Court ruled in 1983 that yes, indeed, the public trust doctrine applied to Mono Lake, Committee staff and experts doggedly pursued a framework for how to get the lake to rise, which was set by the State Water Board in 1994. From a legal victory to actual rules for how Mono Lake's water should be allocated—they defended the public trust.

Five years ago DWP signed the Mono Basin Stream Restoration Agreement, but has stalled on producing the environmental documents that would put the Agreement into effect to benefit Mono Lake's tributaries for years to come. And now DWP is ending longstanding land and water management policy in Long Valley, in a move that could have implications for Mono Lake. The Committee is chasing down the Agreement documents, prodding DWP, bringing in legal help, advising Mono County in challenging DWP's unilateral actions—defending the future of the public trust.

There are people who have dedicated their careers to Mono Lake's protection and restoration—turn to page 12 to read about Peter's water balance model and work over many decades to protect Mono Lake. He is the 2018 Defender of the Trust.

And finally, if you're reading this right now, holding this *Newsletter* in your hands or reading it online—you are defending the public trust too. Thank you.

—Elin Ljung, Communications Coordinator



Lead Naturalist Guide Nora Livingston leads fall color field seminars each October, tailoring each trip to the most brilliantly colorful aspen groves in the Mono Basin.

Mono Lake Committee Mission

The Mono Lake Committee is a non-profit citizens' group dedicated to protecting and restoring the Mono Basin ecosystem, educating the public about Mono Lake and the impacts on the environment of excessive water use, and promoting cooperative solutions that protect Mono Lake and meet real water needs without transferring environmental problems to other areas.



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Founded by David Gaines in 1978

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MONO LAKE
NEWSLETTER

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DWP takes unilateral land management action, causing litigation

Is dewatering of Long Valley meadows the first step in a new phase of water extraction?

by Geoffrey McQuilkin

The Mono Lake Committee celebrates its 40th anniversary this year. That means the Committee has been advocating for Mono Lake and its tributary streams for more than half the years that the Los Angeles Department of Water & Power (DWP) has been in the business of exporting water from the Mono Basin.

DWP has changed in many ways over those 40 years, some internally generated and many, like the protection of Mono Lake, resulting from intense advocacy efforts and new rules imposed by outside authorities. Institutional change has often been due to the citizens of Los Angeles requiring greater environmental responsibility from DWP, both directly and through elected city council members and mayors who have worked together with groups like the Committee to reach that goal. As a result Los Angeles is a leader in building a more sustainable and reliable water supply through conservation, reclamation, groundwater cleanup, and local supply.

The famously contentious relationship between DWP and the Eastern Sierra has changed as well. While far from over, fights over water in the Eastern Sierra have been settled through hard work and legal and state regulatory requirements at Mono Lake and the Owens Gorge, and through mandates such as the Owens Valley Long Term Water Agreement, the Lower Owens River Project, and the dust control measures implemented at Owens Lake.

This isn't to say all the terms have been well liked—for example, groundwater pumping in Inyo County continues to be contentious. Nor has DWP actually met all its obligations—plenty remains to be done at Mono Lake, the Owens Gorge, and the Owens Valley.

But in recent years there has been a broad sense that the areas of dispute have been identified and the overarching environmental rules have been established, allowing for the relationship between DWP and the extended Eastern Sierra watershed it taps to enter a mature phase in which specific interests may differ but all sides know where the areas of contention are, what the interests are, and what rules guide discussions and debates about them.

Unfortunately, this year DWP has initiated new actions that suggest it is not interested in maintaining this balance, giving the Committee reason to worry that DWP's aggressive water gathering history is resurfacing as modern strategy in the Eastern Sierra.

Dewatering Long Valley

DWP initiated conflict anew this past spring 30 miles south of Mono Lake in Long Valley, next to Crowley Lake Reservoir. DWP abruptly decided to reverse its own established land management practice of 70+ years and cease irrigation of over 6,000 acres of land adjacent to the lake, highway, and local homes.

These lands provide wildlife habitat, notably for Greater Sage-Grouse, create fire breaks for the local community, support local agricultural activity that diversifies the economy, and enhance scenic views and recreation along Highway 395. They also create wetlands that, unofficially, mitigate for the many acres lost when DWP constructed Crowley Lake Reservoir in 1941. DWP ceasing irrigation of these lands has sparked substantial concerns among state agencies, federal regulators, and county leaders as well as local organizations and residents, including an overflowing meeting in August when the Mono County Board of Supervisors reviewed the matter.

According to the Secretary of the California Natural Resources Agency, John Laird, DWP's actions in southern Mono County "have significant consequences to wildlife by destroying wetlands and riparian areas and eliminating habitat for sensitive species such as the Bi-State Sage-Grouse," and "also significantly increase the risk of wildfires, which would threaten nearby communities."

Continued on page 24



The Mono Lake Committee and our expert consultants, network of partners, and 16,000 members are always alert to threats to Mono Lake, its tributary streams, and surrounding lands.

Restoration begins at Mono Lake's shore

Recovery plan for damaged land and stream below Tioga Lodge

by Bartshé Miller

This summer heavy equipment returned below the Tioga Lodge, but this time restoration was the focus. In June, the Tioga Lodge, Mono County, and state agencies agreed to a Habitat Restoration Plan. On-the-ground work began shortly after to rehabilitate the site from damage caused in October 2016 by unpermitted grading and the diversion of Post Office Creek on Mono Lake's west shore.

Two years ago the Tioga Lodge hired an excavator and crew to clear land and divert a creek between Highway 395 and the west shore of Mono Lake. Unfortunately this activity included more than two acres within the Mono Lake Tufa State Natural Reserve. Riparian and wetland habitat was heavily damaged before Mono County issued a cease-and-desist order because the Tioga Lodge did not have a grading permit to legally begin work on its property. Shortly afterward California State Parks, the Department of Fish & Wildlife (DFW), and the Lahontan Regional Water Quality Control Board (Lahontan) responded with violations relating to the damage to State land and wetlands, and the diversion and alteration of Post Office Creek.

The Tioga Lodge, Mono County, and state agencies reached an important step in resolving the dispute by agreeing on a Habitat Restoration Plan that will return the disturbed land to a state equal to or better than the adjacent, undisturbed habitat. The Tioga Lodge is responsible for the restoration implementation.

The plan for the 7.61-acre area comprehensively addresses Mono County Complaint No. 2016/26, the DFW Notice of Violation, Lahontan's Cleanup & Abatement Order No. R6V-2016-0063, and the property interests of the California Department of Parks

& Recreation. The plan outlines that the bulk of restoration work be completed by the end of this October, with monitoring to continue through 2022.

The restoration work began in July, and the first stage involved crews sorting and shredding 30 debris piles into mulch for on-site use, which required heavy equipment but was completed in a few days. Subsequent work focused on returning Post Office Creek to its original channel, which was completed in September.

According to Jim Paulus, the Restoration Specialist overseeing the project, the stream system benefits from a slow return to function in order to stabilize previously-dry streambed and banks. A California State Parks hydrologist has also been working collaboratively on this phase of the restoration. Jim noted that it was "gratifying to see the greening where the water has spread, and feel the pillowey inflation of the saturated wetland soils as the shallow water tables refill."

A restoration crew will be planting native willows and cottonwoods,

followed by seeding native perennial plants. Ongoing weed control will be done using mulch from the woody debris piles.

The plan also includes specific success criteria, monitoring, and contingency measures to continue through 2022. For example, willow plantings will continue in future years if annual monitoring of four-meter spans of the riparian zone along Post Office Creek support five or fewer native willows during any year within the five-year monitoring period.

The west shore of Mono Lake supports important seeps, springs, and riparian habitat. The area also comprises some of the most unusual and scenic views in Mono County adjacent to Highway 395. The Tioga Lodge is a historic part of the visitor experience along this stretch of Mono Lake and the work being done will enhance that experience. While additional monitoring and contingencies are planned, the Tioga Lodge's restoration work is encouraging, and a positive step toward improving ecological integrity and scenic values. ♦



Restoration began this summer on 7.61 acres of damaged land and a diverted stream below the Tioga Lodge and between Highway 395 and the shore of Mono Lake.

ELIN LIVING

On to the future: 40 years and rising

by Sally Gaines

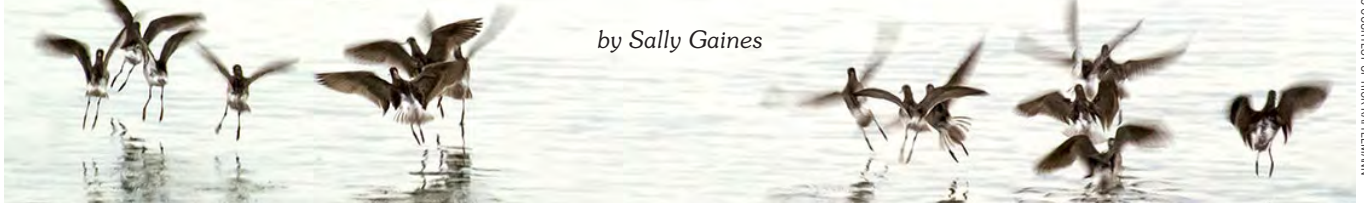


PHOTO COURTESY OF RICK KATTELMANN

Editor's note: To celebrate the Mono Lake Committee's 40th anniversary in the Newsletter, Sally Gaines, co-founder and Board Chair, is writing a series of reflections on the past, present, and future of the organization.

Even if I squint or put on my reading glasses, most aspects of the future are impossible to foresee, as if the crystal ball is clouded with brine shrimp like the aquarium in the Mono Lake Committee Information Center & Bookstore.

Everyday technology and style is already beyond my understanding. Genetic engineering on plants, animals, and humans is a big unknown as is artificial intelligence, for just a couple examples. What *is* clear to me is that everything the Mono Lake Committee does today is with the future in mind.

If the weather stays dry and the lake does not rise, a new water regime will be sought at the State Water Board. On a smaller scale, we watchdog such activities as road construction, illegal drone use, and people climbing on tufa.

The heavy machinery that was used to reopen dry creek channels in the 1990s has been replaced by adaptive management practices that restore natural stream processes. Staff walk the creeks to monitor streamflows, the growth of riparian vegetation, and the return of fish and wildlife.

The Mono Basin Outdoor Education Center provides

eye-opening watershed learning experiences so the next generation of Los Angeles voters and policy makers value the environment. We introduce LA youth to their watershed by canoeing, climbing mountain peaks, and doing stewardship projects so they know where their water comes from.

Committee policy work depends on solid, factual science. There is always more to learn about lake level modeling, avian nesting and migration, and how climate change will affect the area. The Mono Basin Field Station is full of researchers adding to this knowledge and giving presentations for the public in the bookstore.

Our college-aged summer interns go on to be teachers, professors, lawyers, and leaders at non-profit organizations. These young people also bring new technology and world views to Lee Vining. As things evolve, so does the organization. Another generation of staff will carry on, learning and succeeding as they go.

The Committee has to be ever vigilant about protecting water for the lake and streams and keeping up with the changing dynamics of a populous state and younger constituents. I believe there will be continued support for Mono Lake's longevity by grassroots citizens and visitors from around the world.

Hurrah for the future—Long Live Mono Lake! ❖

Committee marks 40th with donation to Solar Pavilion

by Elin Ljung

On August 25 community members gathered at the new Pioneer Solar Pavilion in Hess Park. Spearheaded by the climate action group 350 MONO and the Mono Basin Historical Society and designed and built entirely by volunteers, the pavilion has already become a favorite gathering space.

The demonstration solar project generates six kilowatts of electricity per hour. It also features displays about the Mono Basin's pioneer families, including the Nays, Bantas, Silvesters, and more.

The pavilion was funded completely by donations, and the Committee is proud to have contributed \$6,392 to celebrate Mono Lake's management level and our 40 years as part of the Lee Vining community.



Lee Vining's new Pioneer Solar Pavilion.

ELIN LJUNG

Warming climate leads to new records, more fires, and action

by Bartshé Miller

Record-breaking heat and smoke dominated summer conversations at Mono Lake as wildfires raged around the state and local temperatures climbed. But as the summer concluded and the smoke and heat abated, there were also conversations about taking on the bigger problem with practical, inspiring steps.

Lee Vining feels the heat

In 2018, Alpine, Mono, and Inyo counties endured the warmest June–August in their 124 years of record-keeping. At Mono Lake, where the climate data set is not as old as those in other parts of the Eastern Sierra, this summer was just 0.1°F short of the record.

Three decades of weather data in Lee Vining show a warming trend. Before 2005, we could expect, on average, four days a summer at 90°F+. Since 2005, that number has been nine days and since 2015, more than 13 days. This summer delivered 15 days of temperatures in the 90s, but persistent smoke and haze reduced solar input and likely moderated temperatures, averting a new summer temperature record in town. High temperatures in the 90s are historically low or absent in high-elevation Lee Vining, which sits at 6,780 feet above sea level.

Wildfires and smoke impact Mono

2018 was also a record year for wildfires in California with 1.5 million acres burned in the state through September. Several fires burned in the central Sierra Nevada, and on many days smoke filled the Mono Basin, degrading both views and air quality.

The Ferguson Fire, which burned at the western edge of Yosemite National Park, distributed smoke and persistent haze over the crest toward Mono Lake. Beginning in mid-July and building through August, that fire burned over 90,000 acres. It forced evacuations, resulted in the closure of most of Yosemite, including Yosemite Valley, and smothered the region in smoke. In Lee Vining, dense smoke reached hazardous levels on multiple occasions. The worst day was August 2, when local air quality temporarily rivaled measurements found during a bad day in Beijing or Delhi.

The fires also temporarily closed roads. The Ferguson Fire, Donnell Fire (along Highway 108), and Boot Fire (in Mono County along Highway 395) all periodically shut down major highways. In early August, both Highway 120 and 108 were closed to trans-Sierra traffic, an extremely rare and possibly unprecedented event for midsummer.

Climate change multiplier

California has always endured a wildfire season, and the causes of wildfire are diverse and complex, with some contributing causes running decades or generations. Population growth, the encroaching of urban areas into natural landscapes, the large-scale suppression of forest fires, as well as California's Mediterranean climate are some of the ingredients that contribute to a complicated fire recipe. Human-caused climate change is also a factor—increasing temperatures and the shrinking of California's rainy season are adding new volatility. As precipitation arrives in more intense intervals with longer stretches of dry weather, and

Continued on page 7



BARTSHÉ MILLER



ANDREW YOUSSEF

In August (left) thick smoke from the Ferguson Fire burning west of Yosemite National Park obscured the usual view of the Sierra Nevada's eastern escarpment from South Tufa (right).

Committee objects to Forest Plan elements

by Bartshé Miller

On August 3 the Inyo National Forest released its revised land management plan and draft record of decision. Also known as the Inyo National Forest Land Management Plan, this new plan, when final, will replace the 1988 plan that the Inyo has been following. Once the new plan is approved it will provide management guidance for the Inyo's two million acres over the next two decades.

Since 2014 the Mono Lake Committee has been involved in the public plan revision process, attending meetings, analyzing information, and commenting on the plan revision. Specifically, the Committee has evaluated how the plan affects the Mono Basin National Forest Scenic Area, eligibility for Wild & Scenic River designation for Mono Lake's tributary streams, and the Mono Basin landscape.

Thanks to the Committee's previous comments the new plan has improved the area-specific desired conditions and management direction for the Mono Basin National Forest Scenic Area. However, the plan does not go far enough in recognizing Wild & Scenic River eligibility in the Mono Basin. Consequently, the Committee formally objected to the plan's failure

to include some Mono Basin stream segments as eligible for Wild & Scenic River designation.

According to the Committee's analysis, Lee Vining Creek, along with segments of Mill Creek, Walker Creek, Parker Creek, and Rush Creek all qualify for eligibility, and earlier comments outlined the reasoning. Based on Forest Service criteria, these creek segments possess "Outstandingly Remarkable Values" and should be considered for eligibility based on scenic, recreational, geologic, wildlife, or historic and cultural values. Many of the creek segments are located within the Scenic Area, and most of them have undergone

significant State Water Board-ordered restoration and habitat recovery as a result of Decision 1631 and the Mono Lake Public Trust Decision.

Now that the objection period is complete, an objection review follows. The Inyo will schedule meetings for objectors and those who apply as an "interested person." Only after those meetings and after the Inyo formally responds to objections can a final record of decision be issued. Based on the objection process, likely timeline for meetings, and formal notification in the Federal Register, a final plan will likely be available during the first quarter of 2019. ♦



ROBBIE DI PAOLO

According to the Committee's analysis, Mono Lake's tributary streams are eligible for Wild & Scenic River designation.

Warming climate from page 6

as the Sierra snowpack declines and retreats to higher elevations, conditions in the state are becoming more parched and primed for wildfire.

Accelerating social change

While it is difficult to report on warming temperatures and fires, and how they are increasingly affecting places we love like Mono Lake, there is also some good news. People are taking action in their communities and on a statewide level.

In Lee Vining the recent dedication of the Pioneer Solar Pavilion (see

page 5) celebrated a new small-scale solar facility, built and financed within the Mono Basin community in just 14 months. The new solar structure provides shade, a community gathering space, information about the history of Lee Vining, and six kilowatts of electricity per hour. The project was a local, grassroots response to climate change, and the desire to make a tangible difference for the Lee Vining community.

Just days later, state lawmakers voted on, and Governor Jerry Brown subsequently signed, a bill to make

California's electricity 100 percent carbon free by 2045. California is the fifth largest economy in the world, and action on this level—while it will be a challenge to implement—sends a strong commitment to the world that we are willing to commit to big solutions. ♦

Bartshé Miller is the Committee's Education Director. Inspired by global climate science, local temperature observations, and the positive action of the Pioneer Solar Pavilion, he now commutes to work in an electric car.

Air report highlights need for fresh collaboration on Mono Lake modeling

by Geoffrey McQuilkin

Intense, hazardous dust storms are one of the major problems caused by the Los Angeles Department of Water & Power's (DWP) decades of excessive water diversions that lowered Mono Lake over 40 feet. The dust events have violated the health standards of the Clean Air Act for over 30 years.

The Great Basin Unified Air Pollution Control District is the regional agency in charge of air quality, and it set forth a plan in 1995 to solve the problem: raise Mono Lake to the 6392-foot elevation level set by the State Water Board. At this level, the significant dust-emitting sections of lakebed will be covered with water, and raising the lake is "the only feasible method to sufficiently reduce emissions to comply with the federal PM₁₀ standard."

Great Basin vigilantly monitors dust emissions, which worsened significantly as Mono Lake's level dropped during the drought. In a recent progress report, Great Basin highlighted the concern that the lake is still ten feet below the management level. With dust storms continuing to cause violations, the question is: How long will it take for the lake to reach the management level?

Mono Lake hydrology and modeling are core areas of Mono Lake Committee interest. In its report, Great Basin

encouraged the Committee, DWP, and other interested parties to work cooperatively on updating lake modeling tools in order to be able to provide projections of future levels to the State Water Board and Great Basin. The Committee agrees that this is a priority and has projects underway (see page 12) to improve modeling, identify data gaps, and consider how climate change is affecting model assumptions. ♦



ELIN LUNG

Raising Mono Lake to 6392 feet above sea level will reduce the amount of exposed dry lakebed, thereby reducing dust storms.

Genny Smith leaves bequest to support Mono Lake

by Anna Christensen

This fall, the Eastern Sierra community celebrated the life of environmental champion, writer, and conservationist Genny Smith. Genny's mark on the Mono Lake Committee is indelible. She was truly a pioneer for the early work of the Committee and remained involved and connected for decades (see Summer 2018 *Mono Lake Newsletter*). Because of Genny's foresight, we received a meaningful bequest that will allow us to undertake special programs that honor her legacy into the future.

Genny encouraged others to spend time in the great outdoors, to wander, and seek out wild places. Her love for the Eastern Sierra shines brightly through her frequently updated guidebooks, including *Mammoth Lakes Sierra*, *Deepest Valley*, and *Sierra East: Edge of the Great Basin*.

Genny's bequest will be used to honor her writing and passion for conscientious exploration of wild places in a manner that will encourage others to discover the beauty and inspiration of the Eastern Sierra. Beginning in 2019, the

Committee will host a series of Genny Smith nature walks led by Lead Naturalist Guide Nora Livingston to introduce people to some of Genny's favorite places and natural history topics. Additional plans may include a writer-in-residence program or writers' workshops.

Genny was a pioneer for the Committee—a founding member (see Fall 1978 *Mono Lake Newsletter*), Board member, lifetime advisor, and advocate. She inspired others, changed minds, and truly solved problems in a way that created friends, advocates, and collaborators. Mono Lake is healthier, and the Committee is a better organization, because of Genny's leadership and steadfast involvement. Because of her generosity, our future is bright.

You too can leave a legacy to support the Mono Lake Committee. If you are interested in supporting the Committee through your estate plans, please contact Philanthropy Director Anna Christensen (anna@monolake.org) at (760) 647-6595.

New Caltrans project on Highway 395

Addresses maintenance needs, provides opportunity for new improvements

by Lisa Cutting

The California Department of Transportation (Caltrans) has started the multi-year process of planning a new highway project that will span five miles from Highway 120 west, north through Lee Vining, adjacent to Mono Lake, and end at Cemetery Road (see map below). The immediate goals of the Lee Vining US 395 Rehab Project are to restore aging pavement, bring sidewalks and curbs up to Americans with Disabilities Act (ADA) standards, improve runoff drainage systems, and make the highway safer for pedestrians and cyclists. Project construction is tentatively scheduled for 2025.

Caltrans has made it clear that with this project comes the opportunity to include other relevant transportation amenities that the Lee Vining community may want—such as reduced traffic lanes through town, additional parking, dedicated bike lanes, wayfinding signs, and decorative street lights. This past summer Caltrans and their project consultant focused on gathering public input through a variety of methods, including an online survey, community workshops, consultations with Lee Vining business owners, and talking to visitors at the Mono Basin Bird Chautauqua.

Unique approach necessary for Mono Lake

The Mono Lake Committee's primary focus is on plans for the section north of Lee Vining along the west shore of Mono Lake. This section has been evaluated for highway improvements before, and currently has an active Caltrans project, the Lee Vining Rockfall Safety Project, underway. The area has sensitive habitat and the highway is nestled tightly between Mono Lake to the east and the steep Sierra escarpment to the west and follows the curves of Mono's shoreline. Several wetland areas and streams will need to be protected from construction impacts. Impacts to deer and other animals also need to be considered. These factors make it a challenging area for construction; however, there are also real safety improvements that can and should be included in this project, such as the egress and ingress from the Old Marina visitor area.

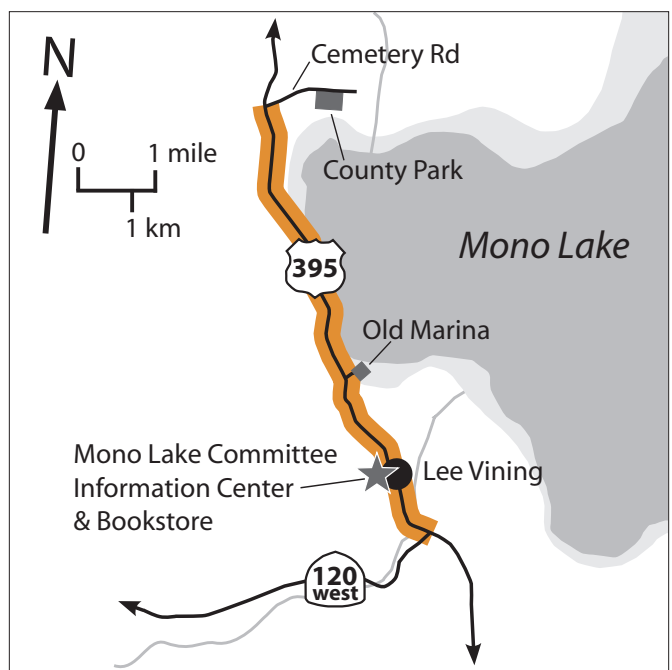
The Committee is optimistic that the success of the recent rockfall project (see Summer 2018 *Mono Lake Newsletter*) can serve as a model for developing a tailored approach for this challenging section of highway. For the rockfall project, the Committee and Caltrans collaborated early in the process, meeting frequently to discuss goals and challenges, which ultimately led to a project that met transportation goals and objectives and protected environmental and scenic values at the same time. The Committee envisions a similar process for the Lee Vining US 395 Rehab Project.

Project status and next steps

The rehab project is in the preliminary planning stage. Caltrans is incorporating public input into a conceptual plan and will communicate the results once that step is completed. The Committee has begun discussions with Caltrans to identify common ground and operational challenges, most importantly sharing our expertise on the Mono Lake section.

This project will be funded by Senate Bill 1 (SB 1), the Road Repair & Accountability Act of 2017. SB 1 provides a funding increase of approximately \$1.8 billion annually for the maintenance and rehabilitation of the state highway system. Currently there are five SB 1 funded projects in Mono County. This project appears to offer the unique added benefit of going beyond a normal pavement rehabilitation project because it will include other transportation amenities. As with the Caltrans rockfall project, the Committee sees this as another opportunity for long-lasting, area-appropriate improvements that enhance the visitor experience and further protect Mono Lake. ❖

Lisa Cutting is the Committee's Eastern Sierra Policy Director. Her summer backpacks included trips to both the Lee Vining Creek and Rush Creek headwaters, where of course some informal fish monitoring was conducted with a fly rod.



The Lee Vining US 395 Rehab Project (indicated in color above) will span five miles—from Highway 120 west to Cemetery Road.

Grebe search research

More data means more migration insights for Mono's most populous bird

by Robert Di Paolo

Hundreds of bird species visit Mono Lake each year, but none are as abundant as the Eared Grebe. Typically, over one million Eared Grebes leave their nesting grounds in Canada and visit Mono Lake in autumn to molt and fuel up on brine shrimp before continuing south for the winter. Thanks to the combined efforts of research scientist Dr. Sean Boyd of Environment and Climate Change Canada and the Mono Lake Committee, annual Eared Grebe aerial surveys at Mono Lake are developing a more accurate picture of what may be a fairly dynamic migration pattern.

Expanding the research

The Committee has been assisting Dr. Boyd with his research since 1996 by coordinating a volunteer pilot and photographer to conduct the aerial survey each year. Low counts in the 2008 survey (260,000 grebes) raised a question about the timing of migration: Is it possible that the peak number of grebes were arriving before or after the mid-October survey?

To answer this question, in 2013 monitoring was expanded from one mid-October survey flight to five flights spaced roughly every two weeks from August to November in order to determine how much the timing of grebe migration varied from year to year, while still measuring the peak number of grebes at Mono Lake. Preliminary results indicate that peak grebe visitation can occur as early as September and as late as November. In addition, the data shows that peak grebe numbers in 2016 and 2017 were comparable to the low numbers recorded in 2008.

Migration insights

To better understand Eared Grebe migration routes and timing, Dr. Boyd added new components to the research in



Dr. Boyd listens for signals from grebes tagged with VHF transmitters as researcher Kristie Nelson pilots the boat.

2017: VHF radio telemetry to help detect grebes at Mono Lake and geolocators to track annual migratory paths. Although the data is still being processed, preliminary information is intriguing. For example, a grebe that was breeding in British Columbia and tagged with a geocator in summer 2017 migrated to Great Salt Lake in the fall, and then migrated to San Francisco Bay where it spent the winter. Another finding: a VHF-tagged bird at Great Salt Lake in fall 2017 was detected at Mono Lake this year, suggesting that individuals can change migratory routes across years. As more of this data is gathered and analyzed we will start to better understand how much variability exists in grebe migration, and how that relates to the Mono Lake ecosystem.

Roughly 90% of all Eared Grebes in North America are thought to visit either Mono Lake or Great Salt Lake each fall. Hence, monitoring at Mono Lake is a unique and valuable opportunity to gain a better understanding of the importance of the lake for the health of the entire North American Eared Grebe population. It is made possible by an equally unique collaboration between a dedicated researcher with the Canadian government and a tenacious team here at the Committee. The aerial surveys, combined with telemetry and geocator data, are giving us a more detailed picture of Eared Grebe migration that wasn't available in the past. We're grateful to the Committee members who help make this research possible. ❖

Robbie Di Paolo is the Committee's Restoration Field Technician. He will be migrating with the grebes to Canada next spring to help Dr. Boyd with grebe research.



The Committee coordinates five flights over Mono Lake each fall, photographing the lake's surface in order to count the grebes.

Policy notes

by Lisa Cutting, Geoffrey McQuilkin, and Bartshé Miller

Lee Vining Creek Trail repaired

Record high streamflows washed out a section of the Lee Vining Creek Trail in June 2017, and the Mono Lake Committee has worked with several agencies and organizations to create a plan to fix the trail. After months of coordination, site evaluations, and securing permissions and funding, the on-the-ground trail repair work was completed this fall (see page 15).

Identifying a long-lasting, permanent fix for the trail proved to be challenging because the damaged section was in a steep section close to the creek. To avoid future washouts, the new route traverses the slope well above the creek, providing new panoramic views of Lee Vining Creek's restored habitat.

Fixing the Lee Vining Creek Trail was truly a team effort. Last fall our partners at Friends of the Inyo rerouted the trail as an immediate temporary solution and completed an initial assessment of possible route options. Staff from the Town of Mammoth Lakes provided additional trail construction expertise, honing the route further. Mono County provided funding for the trail crew and worked with the Los Angeles Department of Water & Power (DWP) to secure necessary permission,

since the trail is on DWP property.

The Lee Vining Creek Trail is a popular and important amenity for visitors and locals alike. It connects the south end of Lee Vining to the Mono Basin Scenic Area Visitor Center and was originally constructed in 1993 as a joint project of the town of Lee Vining, the Mono Lake Committee, the Inyo National Forest, and DWP.

New leadership for the Inyo National Forest

On April 30, Tammy Randall-Parker began her position as the new Inyo National Forest Supervisor. Randall-Parker was most recently the Ouray District Ranger at the Grand Mesa, Uncompahgre, and Gunnison National Forests in Colorado. She is known for her collaborative approach to management issues, reaching out to a range of stakeholders in order to advance forest restoration and recreation management. Her background working with other agencies, environmental groups, academia, and recreation interests will benefit her as Inyo Supervisor.

Not long after Randall-Parker arrived, the Inyo hired a new Mammoth & Mono Lake District Ranger. Gordon Martin, formerly from the Lincoln National

Forest in New Mexico, joined the Inyo in early July. Martin has worked with the US Forest Service for 35 years and has history in fire management, timber, collaborative recreation projects, and youth education.

For decades, the Inyo National Forest has struggled with declining budgets and the loss of key staff positions, and increasingly relies on partnerships to help achieve its mission. Both Randall-Parker's collaborative history and Martin's diverse background within the agency will be helpful as the Inyo moves forward with implementing the new Inyo National Forest Land Management Plan in 2019.

Protection near for Mono Lake parcel

Fifteen years after the initial threat of development, a 118-acre private property on the west shore of Mono Lake is slated to become part of the Inyo National Forest under the special protections of the Mono Basin National Forest Scenic Area next year.

Longtime Mono Lake advocates will recall that over a decade ago a large subdivision and development proposal threatened to significantly alter the scenic west shore of Mono Lake. The Committee worked for years to find an alternative, and in 2007 Mammoth Mountain Ski Area purchased the property with the intent to transfer it into public ownership via a land exchange with the US Forest Service.

That land exchange, which includes other parcels and benefits as well, has moved through a lengthy public process; a final Environmental Impact Statement and draft Record of Decision were issued in August. Finalization and actual title transfer are expected by next summer. The Committee is excited to now be considering how people can enjoy the sweeping Mono Lake views offered by the soon-to-be-public property. ❖



ROBBIE DI PAOLO

The Mono Lake Committee worked with partners to scout a route for a new section of the Lee Vining Creek Trail—the trail is fully repaired and is open once again.

Defending the public trust

by Geoffrey McQuilkin

The California Supreme Court begins its landmark 1983 Mono Lake decision with these powerful words: “The public trust is an affirmation of the duty of the state to protect the people’s common heritage of streams, lakes, marshlands and tidelands...”

Every other year, to celebrate the history of the public trust at Mono Lake, we organize a special three-day Defense Trust Weekend for the Mono Lake Committee’s high donors. The weekend is full of field trips, good food, and time spent with fellow Mono Lake enthusiasts and Committee Board and staff.

This year we had an open house in the Committee office, a Rush Creek tour with experts including State Water Board stream scientists, a picnic lunch at the Mono Basin Outdoor Education Center, a wine tasting, silent auction, and dinner at The Mono Inn, natural history walks in the fall colors, a 40th anniversary storytelling roundtable, and a *Naming Mt. Thoreau* book reading with contributors including Gary Snyder.

2018 Defender of the Trust

The focal point of the weekend was the presentation of the Defender of the Trust Award, which celebrates individuals who champion Mono Lake and advocate for the public trust. This year’s recipient was hydrologist and hydrogeographer Peter Vorster.

Peter created the first water balance model that comprehensively accounts for all the hydrologic elements that interconnect to determine the level of Mono Lake. This model was a vital component of answering fundamental protection questions about lake level during the Committee’s

litigation-heavy early years, and is still the gold standard for the ever-critical task of lake level forecasting.

Peter has stayed deeply involved with the Committee’s work—from analyzing aqueduct operations and forecasting the lake level to looking at the multi-year big picture of a lake on the rise. Peter’s extraordinary passion for Mono Lake and its tributary streams—and the science that goes into making informed resource management decisions about them—is a key element in making the protection of Mono Lake and its public trust resources possible.

Vorster Center for Mono Basin Hydrology

After heartfelt speeches celebrating Peter’s contributions, 2016 Defenders of the Trust Bryan Wilson and Patrick Flinn announced their generosity and leadership in raising more than \$50,000 to launch a new Mono Lake Committee initiative: the Vorster Center for Mono Basin Hydrology.

The Vorster Center is not a physical space, but a collaboration focused on science, research, data collection, modeling, analysis, forecasting, and real-world application of Mono Lake and Mono Basin hydrology.

The Vorster Center will allow the Committee to bring together the brainpower, expertise, tools, and data needed to address the complexities of present-day lake level forecasting and the impacts of climate change specifically at Mono Lake.

Through the Vorster Center, the Committee will be able to pursue critical questions raised by changing conditions: When will the lake reach 6392 feet above sea level? Is it rising on the schedule the State Water Board expected? Are the forecasting tools still producing accurate results? The more we explore these complicated and challenging questions, the better job we can do as stewards of Mono Lake’s restoration and protection.

The announcement of the Vorster Center was the perfect way to launch into the next 40 years of the Committee’s work, and an exciting way to mark this new chapter in the Mono Lake story. If you are interested in learning more about and supporting the Vorster Center, contact Ellen King (ellen@monolake.org) at (760) 647-6595.

Many thanks

The Defense Trust Weekend would not be possible without the support of Randy Arnold and entire crew from Barefoot Wine & Bubbly. Special thanks to Mollie Bowling for her generous donation of handmade quilts to benefit the Outdoor Education Center, and the contributors to *Naming Mt. Thoreau* for the special book reading. And thank you, Defense Trust members, for your loyal and generous support of the Committee’s protection, restoration, education, and science programs. ❖



Peter Vorster received the 2018 Defender of the Trust Award.

ANDREW YOUSSEF



From Los Angeles to 10,000 feet

A line of students from LA WYLD (Los Angeles Wilderness Youth Leadership Diversity) makes its way slowly over the crest of Bennettville Dome. Each careful footstep crunches over small rocks. Wind sighs gently in the needles of a few whitebark pines. The students are quiet and intensely focused, their hands placed on the shoulders of the person in front of them, eyes closed, trusting themselves and each other. At the front of the line Outdoor Education Instructor Savanna offers encouragement and quietly guides them on a short but winding path to the top of the dome.

At the summit, the students wait patiently as we turn them to face the sweeping view of the Lee Vining Creek headwaters. Our voices encourage them to reflect on their personal journey to get to where they are now, in this wilderness landscape 10,000 feet above sea level. When they open their eyes, their focused quiet is replaced by gasps, exclamations, and words of awe. Before them stretches the very top of their watershed—the blue mirrors of Tioga and Ellery lakes, pine forests, wide glacial valleys, and steep mountain peaks.

This summer the Outdoor Education Center (OEC) program has helped a record number of groups reach this point—where each participant can acknowledge their personal growth and accomplishments through the discovery of their connection to the Mono Basin. Most OEC groups come from Los Angeles, some students leaving the city for the first time in their lives. We bring them to the top of their watershed to help connect them to the resources they use and the influence they have in their own lives. It is five days of exploring the area—hiking, canoeing, and learning natural history; time passes all too quickly. — Ava Stavros & Savanna Deger



New windows

Last May we installed nine new double-paned windows at the OEC, and they made an immediate difference—in insulation, temperature regulation, sound buffering, and clarity. While our focus is on outdoor learning most of the time, the holistic nature of the program offers lessons in how conservation living can be comfortable and rewarding. Solar panels, a rain barrel, and efficient windows are all part of the program's lessons. Many thanks to Quentin Lawrence and the Andrea Lawrence Fund for helping make the new windows possible.



Our mission is to build understanding and appreciation for the Mono Basin/Los Angeles watershed through education programs and muscle-powered recreational activity; to demonstrate that balanced solutions are possible for meeting the water needs of people and the environment; and to kindle stewardship through service projects that restore and improve the quality of the Mono Basin watershed.

monolake.org/education
facebook.com/mono.oec

PHOTOS BY ANNA CHRISTENSEN, SANTIAGO ESCOBAR, ANA STAVROS

DWP curtails peak flows unnecessarily

by Greg Reis

2018 was classified as a “Normal” runoff year based on an 85% of average runoff forecast, which would usually require high springtime Stream Restoration Flows (SRF) be delivered to the streams. SRFs are in addition to minimum Channel Maintenance Flows (CMF), which must be released May–July.

In May, the Los Angeles Department of Water & Power (DWP) decided to curtail the Lee Vining Creek SRF due to concerns that low runoff could cause Grant Lake Reservoir to drop to its minimum elevation. The Committee disagreed, observing that conditions were indeed wet enough to keep Grant high and also allow an SRF on Lee Vining Creek. However, DWP did not deliver the Lee Vining Creek SRF, and modified Rush Creek’s SRF—both unnecessarily. DWP’s actions

are technically permitted under Order 98-05; however, the required Lee Vining Creek CMF of 160 cubic feet per second for three days was only delivered for about 48 hours.

Runoff exceeded expectations through early June, and late July thunderstorms augmented flows even more, causing debris flows in multiple locations and a very high peak flow in Parker Creek in late July. Grant Lake Reservoir was within 18 inches of spilling at the end of July. DWP stopped diverting Lee Vining Creek and increased Rush Creek flows until early September.

The 2013 Mono Basin Stream Restoration Agreement requirements, while not yet implemented, would have conserved water in Grant Lake Reservoir, making it less likely to hit the minimum storage level that required

curtailing downstream SRFs.

In the bigger picture, DWP had operational challenges in part due to a lack of snowpack information, which resulted in an inadequate snowmelt runoff forecast. The last snow survey is conducted on April 1, yet a large portion of this year’s snowfall occurred after that date. Unfortunately NASA’s Airborne Snow Observatory program did not survey the Rush Creek and Lee Vining Creek spring snowpack this year.

It is disappointing that the SRFs were curtailed unnecessarily this year. However, there is much positive progress in stream habitat recovery still resulting from 2017’s “Extreme-Wet” year high flows. Deep pools formed last year are providing habitat, and new channels are rejuvenating riparian vegetation. ❖

Lakewatch

Changes in Mono Lake’s annual patterns

by Greg Reis

In 2018 Mono Lake’s level was very different than DWP’s forecast due to three factors: wetter-than-average conditions after April 1, warmer temperatures and earlier snowmelt runoff, and changes in upstream infrastructure operations.

The wet spring added about ten percentage points to the 85% of average DWP runoff forecast issued on April 1.

The impacts of a warming climate are well-documented, and this year was a classic example of the predicted shift in snowmelt runoff patterns: higher than

expected snowmelt runoff in April–May was followed by lower than expected snowmelt runoff in June–July.

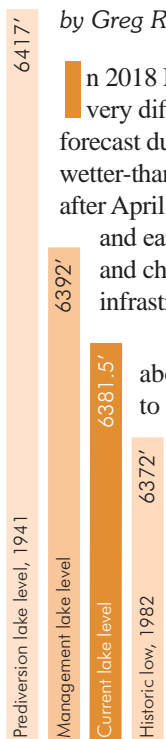
Southern California Edison has been keeping its century-old upper Rush Creek reservoirs less than half full for seismic safety since new information about the risks of earthquakes on the Silver Lake Fault was discovered in 2012. This has actually restored a more natural flow pattern to upper Rush Creek—with increased flow during snowmelt runoff and reduced flow in fall and winter. This year, due to a nearly-full Grant Lake Reservoir, DWP released more water to Mono Lake down Lee Vining and Rush creeks from the end of July until early September.

A sinkhole near Saddlebag Dam was repaired this fall, which required Saddlebag Lake Reservoir to be

emptied by September, which in turn caused summer Lee Vining Creek flows to be higher than usual.

These factors caused Mono Lake’s level to peak at 6382.21 feet above sea level on June 20, and drop slightly less than expected to the October 1 level of 6381.46 feet—exactly the same level it was one year ago. With a dry or average winter, on April 1, 2019 Mono Lake will likely end up between 6381.3 and 6381.8 feet. With a wet winter, a net rise from this April’s 6381.9 feet is possible. ❖

Greg Reis is the Committee’s Information & Restoration Specialist. He is happy about the partial restoration of Rush Creek Meadows this year—the only Mono Basin reservoir not built on an already-existing natural lake.



Mono Basin Journal

A roundup of quiet happenings at Mono Lake

by Geoffrey McQuilkin



GEORGE MCQUILKIN

There are moments, hiking with a four-year-old, when you wonder if you have made wise choices. As I sunk into liquefied muck in Lundy Canyon I had a few of those thoughts. On the plus side, she was on my shoulders, and I was only knee deep. So sinking wasn't really the problem; it was getting back to solid ground, ideally with everyone's shoes still on.

The morass of rusty-colored slippery silt had been located, a few weeks prior, a thousand feet or more up the canyon wall—along with many tons of rock. We were investigating the year's second large rockslide, which had buried the road with car-high debris and ripped up the trail, where a slurry of rock and silt carved strangely deep chasms, then spread and raised ground level six feet or more.

The toe of the slide, rich with tree trunks stripped of bark and branches, pushed to the canyon floor, swamped the familiar creekside willow thicket, hit the opposite canyon wall's own rockslide, and accumulated. That created the interesting spot from which I slowly extricated: a pool where Mill Creek disappears as it flows underground beneath the slide for a hundred yards, popping out at the downstream edge as if nothing had changed. Beneath this rocky jumble buried willows are already pushing new shoots to the sky while the silt is slowly settling into gaps, and the creek will, someday, rise up to flow across the surface of this freshly sculpted landscape. ❖

Benchmarks



PHOTO COURTESY OF JOEL RATHUE

August 2018: The Mono Lake Committee and partners flagged a new route for a section of the Lee Vining Creek Trail after record streamflows washed out part of the trail in 2017.



ANDREW YOUSSEF

October 2018: Andrew walks the newly-completed and rerouted Lee Vining Creek Trail, which now provides even more scenic panoramic views of Lee Vining Creek.



MONO LAKE COMMITTEE

INFORMATION CENTER & BOOKSTORE

Fall Catalog

NEW!



PROTECT & RESTORE MONO LAKE SHIRTS

Showcase a piece of the Mono Lake Committee's mission with this vintage-inspired shirt like Eric, Anna, and Alexis! Choose from a variety of shirt styles and colors, all featuring a tufa graphic and the words "Protect and restore Mono Lake, it's worth saving." Made of a 50% cotton, 50% polyester blend, the T-shirt is available in dark gray and olive green in a unisex cut, and Marissa and Joslyn model the women's cut in mauve below. The light gray baseball shirt with moss sleeves on Eric has a blend of 50% polyester, 38% cotton, and 12% rayon.

Mono Lake Committee exclusive.

Protect & restore Mono Lake T-shirt, please specify unisex gray, unisex green, or women's mauve, S-XL: \$36.00, XXL in unisex styles only Baseball shirt, gray/moss S-XXL: \$40.00



NEW!



CALIFORNIA GULL T-SHIRT

Nigel and Galina show their love of Mono Lake's unique ecosystem in this 100% cotton *Mono Lake Committee exclusive* T-shirt. The design features a white line drawing of clouds, the sun, and Negit Island within the outline of a California Gull, one of Mono Lake's most iconic bird species.

California Gull T-shirt, burgundy, S-XXL: \$23.50

BIRDS OF THE MONO BASIN CARD SET

This lovely *Mono Lake Committee exclusive* set of blank notecards features eight of the Mono Basin's most distinctive birds including the American Kestrel, Mountain Chickadee, Steller's Jay, and Yellow-headed Blackbird pictured below. Additional cards feature illustrations of Anna's Hummingbird, California Quail, Mountain Bluebird, and Osprey. The detailed images show Tahoe-based



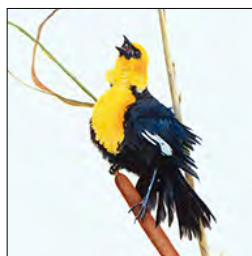
AMERICAN KESTREL



MOUNTAIN CHICKADEE



STELLER'S JAY



YELLOW-HEADED BLACKBIRD

artist Penelope Krebs' mastery of watercolor, and make these cards perfect for any bird lover.

Birds of the Mono Basin card set, 8 cards with envelopes, 4 1/4" x 5 1/2": \$15.95

order at monolake.org/store or (760) 647-6595

❁ Fall Catalog ❁

KIDS' VINTAGE HOODIE

Sisters Sadie and Norah keep warm on all their adventures in these fun and colorful hoodies. Made of a 50% cotton, 50% polyester fabric with a brushed interior and featuring a vintage 1980s Mono Lake design, this sweatshirt is both cozy and cute.

Mono Lake Committee exclusive.

Kids' vintage hoodie, teal, S-XL: \$40.00



BACK



SHRIMP FOR MONO INFANT & TODDLER T-SHIRT

Illia is a happy shrimp for Mono with her mom, Arya, and kangaroo rat friend. This 100% cotton T-shirt is perfect for the little ones in your life. Available in a full range of infant and toddler sizes to fit the youngest of Mono Lake fans. *Mono Lake Committee exclusive.*

Shrimp for Mono infant & toddler T-shirt, teal, sizes 6 months-5/6T: \$17.00

NEW!

MONO LAKE COMMITTEE POM POM BEANIE

Stay warm and cozy this holiday season with these playful pom pom beanies, seen here on Max and Alison. Each beanie sports the Mono Lake Committee logo on the cuff, and is made from 100% soft and stretchy knit acrylic.

Mono Lake Committee exclusive.

Mono Lake Committee pom pom beanie, one size, please specify red or green: \$14.00



FRONT



TEA DROPS

The perfect gift to keep the tea lover in your life warm this winter! Tea Drops are certified organic and contain delicately milled tea leaves and herbs that are combined with a touch of sugar and pressed into whimsical shapes. Just stir into a cup of hot water and you'll have tasty tea in seconds.

Tea Drops, wooden box with 2 of each of the following flavors: rose Earl Grey, citrus ginger, sweet peppermint, and matcha green tea: \$12.00

ENAMEL MONO LAKE CAMP MUG

Cozy up to the fire with this handmade enamel camp mug. These mugs are durable, beautifully crafted, and feature a Mono Lake tufa design and our logo on the bottom.

Perfect for camping, travel, or home. *Mono Lake Committee exclusive.*

Enamel Mono Lake camp mug, 12-oz: \$25.00



NEW!

order at monolake.org/store or (760) 647-6595



MOUNTAINS OF THE WORLD

BY DIETER BRAUN

Explore the fascinating mountains of the world and meet the wildlife that call them home as well as the adventurers who dared to climb their great heights. From El Capitan to Kilimanjaro, this book introduces children to Earth's iconic mountains through immersive illustrations and informative text; a great book for young explorers ages 5–8.

Mountains of the World, hardcover, Flying Eye Books, 96 pages, 11¼"x 10": \$24.00

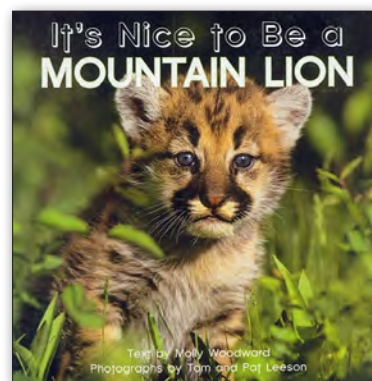
IT'S NICE TO BE A MOUNTAIN LION

WRITTEN BY MOLLY WOODWARD

PHOTOGRAPHS BY TOM & PAT LEESON

This little board book introduces toddlers to the majestic mountain lion through rhyming text and stunning photographs. The addition of animal facts makes this cute book a great learning tool for young children.

It's Nice to be a Mountain Lion, board book, Heyday, 18 pages, 6"x 6": \$8.99



FUR, FEATHER, FIN—ALL OF US ARE KIN

WRITTEN BY DIANE LANG, ILLUSTRATED BY STEPHANIE LABERIS

Explore how all animals are connected but also unique—from furry mammals to finned fish. Rhyming text, fabulous illustrations, and additional notes about each group of animals make this a fun and educational book for children ages 3–8.

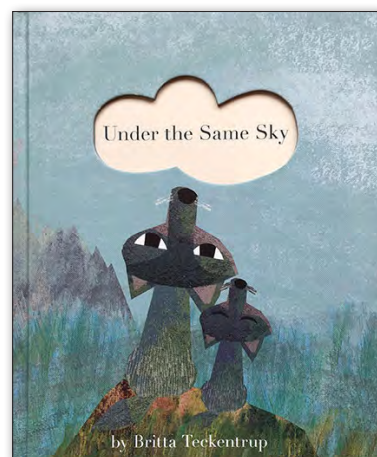
Fur, Feather, Fin—All of Us Are Kin, hardcover, Beach Lane Books, 40 pages, 11¼"x 8¼": \$17.99

UNDER THE SAME SKY

BY BRITTA TECKENTRUP

This lovely peek-through picture book explores the commonality we share with all beings and each other. Teckentrup's whimsical illustrations and lyrical text make this book a short and sweet read to share with preschool-aged children.

Under the Same Sky, hardcover, Tiger Tales, 24 pages, 9"x 11": \$16.99



NATIONAL PARKS OF THE USA

WRITTEN BY KATE SIBER

ILLUSTRATED BY CHRIS TURNHAM

Tour America's most iconic national parks through hundreds of beautiful illustrations, fun facts, and maps found in this gorgeous book. Offering a wealth of information about our country's beautiful public lands, this book is a joy to read for both children and adults.

National Parks of the USA, hardcover, Wide Eyed Editions, 111 pages, 10¼"x 12½": \$30.00

WOODLAND ANIMAL PUPPET SET

Encourage creative play and learning with this fun woodland animal finger puppet set—all four animals live here in the Mono Basin! This set includes a fox, black bear, squirrel, and beaver finger puppet and a fact sheet about the animals. Puppet sets come in a drawstring storage bag for play on the go.

Woodland animal puppet set, 4 puppets, ages 3 and up: \$21.99



OSPREY



WESTERN TANAGER

AUDUBON PLUSH BIRDS

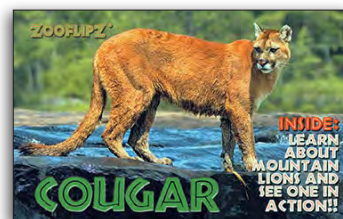
These plush birds featuring authentic bird calls make great gifts for young bird enthusiasts. Choose between the iconic Osprey often seen nesting atop Mono Lake's tufa towers in summer or the colorful Western Tanager found in the Mono Basin during the spring and summer months.

Audubon plush birds, 5" tall, please specify Osprey or Western Tanager: \$8.50

WILDLIFE FLIP BOOKS

Enjoy a peek into the lives of the Mono Basin's largest predators: the black bear and cougar. Each flip book provides a snippet of wildlife activity and can be flipped in either direction for a different mini story. Each book also contains facts about the animals.

Wildlife flip books, Flipworkz, 4"x 2½", please specify black bear or cougar: \$5.00



ANIMALS IN AMERICA'S NATIONAL PARKS STICKER KIT

BY CHARLEY HARPER

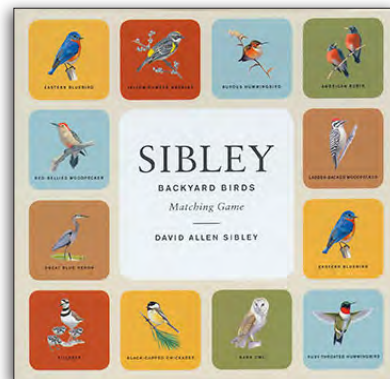
Using the reusable vinyl stickers in this set, create 12 different North American animals in the iconic style of Charley Harper: black bear, bobcat, cottontail rabbit, deer, gray wolf, Great Horned Owl, ground squirrel, marmot, mountain lion, opossum, raccoon, and red fox. The kit includes a double-sided 7 by 10 inch play-board on which to apply the reusable stickers, more than 190 vinyl stickers, and a booklet illustrating finished wildlife designs with animal facts.

Animals in America's National Parks sticker kit, 7½"x 10½"x 1", ages 3 and up: \$19.95

SIBLEY BACKYARD BIRDS MATCHING GAME

Sharpen your memory and bird identification skills by matching 20 pairs of backyard birds. Each set includes 40 pieces featuring the detailed illustrations of David Sibley; fun for birders of all ages.

Sibley backyard birds matching game, 40 pieces, 5¾"x 5¾"x 1½", ages 4 and up: \$14.99



Make sure you're on our bookstore email list to get special offers—sign up at MONOLAKE.ORG/STORE to get 10% off today!



NAMING MT. THOREAU

EDITED BY LAURIE GLOVER

This collection of essays arose from the simple undertaking of ascending a mountain; it is a meditation on friendship and influence, proximity and distance. This compilation's authors started out to rename USGS peak 12,691 "Mt. Thoreau" to honor Henry David Thoreau for his writing that has been so important to generations of Americans seeking to define their relationship to wilderness and nature, and their work, like Thoreau's, is a call to close attention. *Naming Mt. Thoreau*, paperback, Artemisia Press, 167 pages, 6"x 9": \$16.95

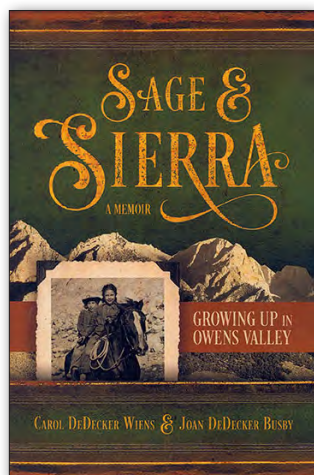
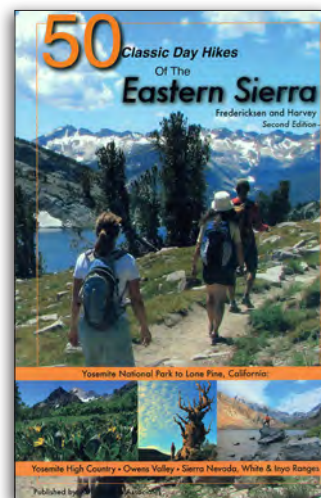
50 CLASSIC DAY HIKES OF THE EASTERN SIERRA

SECOND EDITION

BY DEVON FREDERICKSEN & REED HARVEY

The second edition of Fredericksen and Harvey's great reference for the region includes hiking in the Owens Valley, White Mountains, and Inyo Mountains, in addition to Eastern Sierra canyons. Color photographs and informational maps make this an essential hiking companion.

50 Classic Day Hikes of the Eastern Sierra, paperback, K. Daniels & Associates, 350 pages, 5 1/4"x 8 1/4": \$24.95



SAGE & SIERRA: GROWING UP IN OWENS VALLEY

BY CAROL DEDECKER WIENS & JOAN DEDECKER BUSBY

In this Eastern Sierra memoir, sisters Carol and Joan take turns telling stories that describe their lives growing up in the small town of Independence in the 1930s. The tales of their childhood provide a glimpse into the past by recounting the common occurrences—how their mother did laundry during the Great Depression—and the uncommon occurrences, like seeing the guard towers at Manzanar War Relocation Center. Throughout the book the two work together to create a sense of place and time for the Eastern Sierra region.

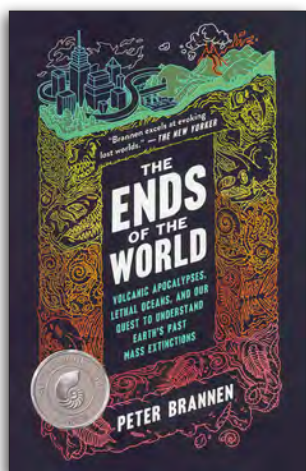
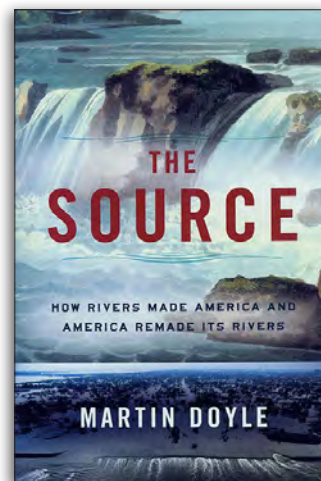
Sage & Sierra, paperback, Piggy Rock Press, 361 pages, 6"x 9": \$14.95

THE SOURCE: HOW RIVERS MADE AMERICA AND AMERICA REMADE ITS RIVERS

BY MARTIN DOYLE

In this new work of environmental history, Doyle explores the ways America's 250,000 rivers have shaped this country as well as how people have changed America's rivers to suit our needs to generate power, reallocate water, dispose of waste, and—most recently—restore ecosystems.

The Source, hardcover, W.W. Norton & Company, 349 pages, 6 1/2"x 9 1/2": \$26.95



THE ENDS OF THE WORLD: VOLCANIC APOCALYPSES, LETHAL OCEANS, AND OUR QUEST TO UNDERSTAND EARTH'S PAST MASS EXTINCTIONS

BY PETER BRANNEN

Award-winning science journalist Brannen dives deep into time and the fossil record to examine the connection between climatic events and Earth's five mass extinctions. This book is full of fascinating ancient history and unusual organisms of past eras, but also discusses the challenges climate change presents for the future of life on this planet.

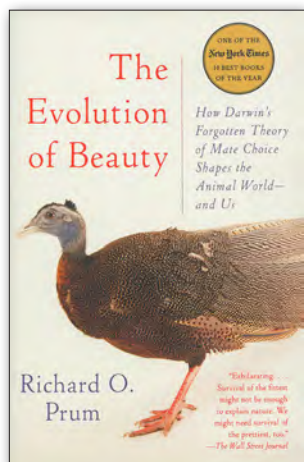
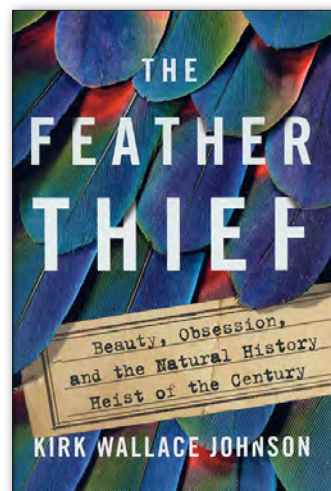
The Ends of the World, paperback, Ecco, 322 pages, 5 1/4"x 8": \$16.00

**THE FEATHER THIEF: BEAUTY, OBSESSION, AND
THE NATURAL HISTORY HEIST OF THE CENTURY**

BY KIRK WALLACE JOHNSON

This fascinating book details a 2009 natural history museum robbery in which hundreds of rare bird specimens and feathers were stolen. This natural-history-meets-true-crime non-fiction explores where an obsession with fly-tying and ornithological theft intersect, and illustrates humans' instinct to harvest the beauty of nature.

The Feather Thief, hardcover, Viking, 308 pages, 6½"x 9¼": \$27.00



**THE EVOLUTION OF BEAUTY: HOW DARWIN'S
FORGOTTEN THEORY OF MATE CHOICE SHAPES THE
ANIMAL WORLD—AND US**

BY RICHARD O. PRUM

This book explains the beautiful ornamentation that exists in nature through Charles Darwin's theory of mate choice: the idea that some traits arise in a species not due to environmental fitness, but rather the female's "taste for the beautiful." Named a Best Book of the Year by *The New York Times* Book Review, *Smithsonian*, and *The Wall Street Journal*, this new look into the nature of evolution is sure to entertain and enlighten.

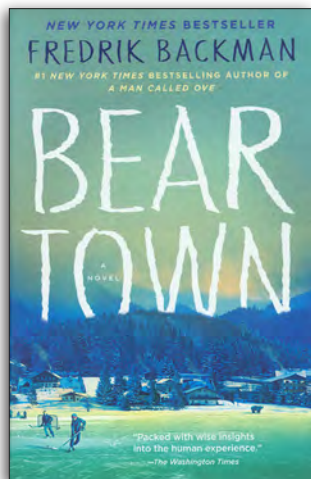
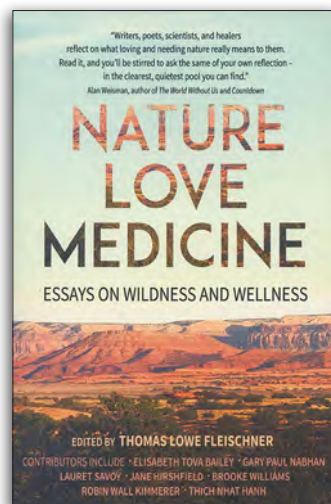
The Evolution of Beauty, paperback, Anchor Books, 428 pages, 5¼"x 8": \$17.00

NATURE, LOVE, MEDICINE: ESSAYS ON WILDNESS AND WELLNESS

EDITED BY THOMAS LOWE FLEISCHNER

This thoughtful compilation features essays from nearly two dozen writers of many diverse backgrounds, from conservationists to monks. The wide array of essays work together to discuss our relationship with nature and how improving that relationship benefits both our mental and physical health.

Nature, Love, Medicine, paperback, Torrey House Press, 265 pages, 5¼"x 8": \$18.95



BEARTOWN

BY FREDRIK BACKMAN

This novel by bestselling author Backman centers around Beartown, a small town on the edge of the woods that is in danger of disappearing due to encroaching trees. The town's hopes for survival are pinned on their junior ice hockey team winning the national semi-finals. However, this story isn't really about hockey, it's about a small community, its hopes and secrets, and the bonds of family and friendship during times of turmoil.

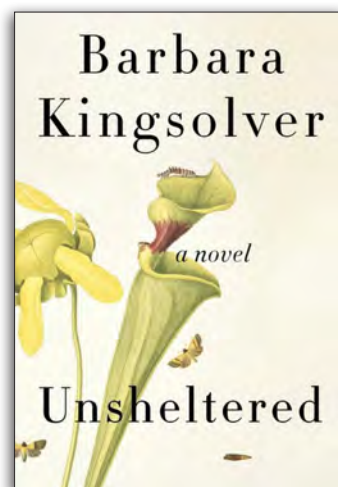
Beartown, paperback, Washington Square Press, 415 pages, 5¼"x 8¼": \$17.00

UNSHELTERED

BY BARBARA KINGSOLVER

In her newest novel, Kingsolver ties together past and present to illustrate the human capacity for resilience and compassion. The story follows two families in two different centuries who are living in the same house as they navigate through their lives during times of upheaval.

Unsheltered, hardcover, Harper, 480 pages, 6"x 9": \$29.99





BRINE SHRIMP ORNAMENT

Liven up your holiday decorations with a brine shrimp ornament. Ornaments measure 3 inches tall and serve as a festive tribute to the endemic *Artemia monica* of Mono Lake. This *Mono Lake Committee exclusive* is available in either silver or gold.

Brine shrimp ornament, please specify silver or gold:
\$10.00



HANDMADE GULL ORNAMENT

If you've been to Mono Lake, then you have almost certainly seen a California Gull. Let this gregarious bird adorn your tree this year as a handmade gull ornament by local artist Phoebe Cantelow. Each gull ornament measures 2½ inches long, is sculpted from sturdy, lightweight paperclay, and hand painted.

Handmade gull ornament, designs vary slightly: \$20.00



WANDERING BISON CANDLES

Invigorate your home with these wilderness-inspired soy candles made in the USA. Choose from two outdoorsy fragrances: base camp (campfire and whiskey) or peak bagger (lavender and pine) to add some rustic aromas to your holiday.

Wandering Bison candles, 8-oz, please specify base camp or peak bagger:
\$15.95

SIERRA ESSENTIALS FIR NEEDLE SOAP

This fresh and festive eco-friendly soap is hand-crafted in the Tahoe area and contains the finest organic ingredients and essential oils. Enjoy this bestselling soap during the holidays or anytime to be transported to the Sierra.

Sierra Essentials fir needle soap, 5½-oz: \$8.00



HOLIDAY CARDS

Send out season's greetings and good tidings on these nature-inspired holiday notecards.

Choose from a set of Clark's Nutcracker cards by Wendy Morgan inscribed with the message "May you have a happy holiday and joyous New Year," a set of winter cards by Tom Killion that feature Mt. Ritter and Banner Peak blanketed in snow and are blank inside, or a set of Western Tanager cards by Molly Hashimoto with the text "Season's greetings" inside.

Clark's Nutcracker holiday cards, 10 cards with envelopes, 6¼"x 4½": \$13.99

Snowy mountains cards, 12 cards with envelopes, 7"x 5": \$16.00

Western Tanager holiday cards, 12 cards with envelopes, 4¾"x 6¾": \$12.00



CLARK'S NUTCRACKER



SNOWY MOUNTAINS



WESTERN TANAGER

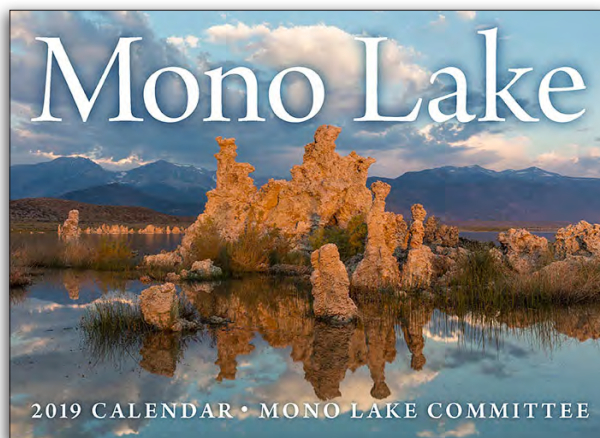
order at monolake.org/store or (760) 647-6595

2019 MONO LAKE CALENDAR

The 2019 *Mono Lake Calendar* features stunning images of our favorite wild and wonderful watershed. Bring Mono Lake into your home 365 days a year, with views of the Mono Basin's tufa towers, sunsets, streams, wildlife, storms, fall colors, and winter landscapes as captured by skilled photographers. Printed in the USA on recycled paper. Call us for holiday gift shipping options and for special bulk pricing on orders of two or more calendars.

Mono Lake Committee exclusive.

2019 *Mono Lake Calendar*, 13"x 9½": \$14.95



NEW!



MONO LAKE COMMITTEE UTENSIL SET

Reduce your plastic use by ditching disposable cutlery and using these eco-friendly bamboo utensils. This handy set includes a fork, knife, spoon, and chopsticks all tucked into a convenient travel pouch customized with the Mono Lake Committee logo. Great for camping, the glove box, work bag, picnic basket, and life on the go.

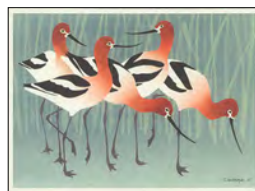
Mono Lake Committee exclusive.

Mono Lake Committee utensil set, please specify purple, teal, green, or blue: \$13.99

MONO LAKE CARD SET

Featuring the popular art of Wendy Morgan, this *Mono Lake Committee exclusive* card set features 12 local and beloved wildlife species from avocets to pika. These cards are blank inside making them great for any occasion.

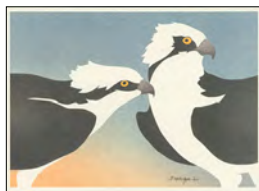
Mono Lake card set, 12 notecards with envelopes, 4½"x 6¼": \$18.90



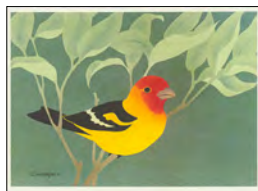
AMERICAN AVOCET



COYOTE



OSPREY



WESTERN TANAGER



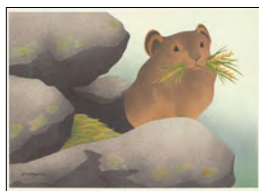
MULE DEER



BLACK BEAR



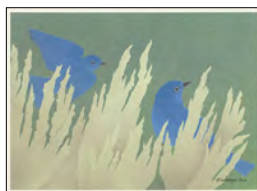
KILLDEER



PIKA



SAGE GROUSE



MOUNTAIN BLUEBIRD



EARED GREBE



MOUNTAIN LION

See all products in color and place your order online at MONOLAKE.ORG/STORE. Or call (760) 647-6595—we're here weekdays, 9:00AM to 5:00PM, ready to take your order.

As one longtime Committee member wrote to the Mono County Board of Supervisors, “As a member of a family who was displaced under very similar circumstances at Inyo County during the 1920s, I am too familiar with tragic hardships that can be carelessly inflicted by preventable bad decisions and mismanagement of resources.” The meeting, documents, and issue details are online at bit.ly/longvalleywater.

Why?

Members have asked us—why is DWP doing this? This is exactly the right question. DWP has said it wants more low-cost water to flow in the aqueduct and it has cited a litany of justifications ranging from ratepayers to climate change, none of which really hold up. Climate change, in particular, is a strange justification given that models predict that future average precipitation in the Sierra will be similar to the present day.

DWP’s real goals are unclear, which raises concern that this is step one of a larger as-yet-unknown plan for DWP to reevaluate the entire Eastern Sierra for new water extraction possibilities. That wouldn’t be consistent with Los Angeles’ great progress on sustainable water use, nor would it support Mayor Eric Garcetti’s goal of producing 50 percent of LA’s water supply locally by 2035. But DWP is well known for departing from City leadership and going its own way.

Hidden process

The glaring concern that overarches the Long Valley issue is that there was no public process behind the change. DWP simply made a unilateral decision to dewater ten square miles of Mono County and walk away from long-established operations.

A good public lands agency—which DWP sees itself as being—would conduct a substantial public process to present a management goal, propose multiple concepts for achieving it, solicit and incorporate public comment, collaborate with relevant agencies and authorities, revise in light of stakeholder interests, craft a set of well-defined specific action options, and then perform an environmental analysis.

In the Committee’s experience, DWP’s recent behavior has strong echoes of how it acted in the 1970s, back when its Mono Lake position was: sue us if you don’t like what we are doing.

If DWP is willing to unilaterally upend established land management practices in Long Valley, you have to wonder what’s next on the list. DWP has never pumped groundwater in the Mono Basin for export—but it could try. DWP hasn’t sold off chunks of Eastern Sierra land for development—but it could try. And what might it try with all the seemingly established environmental protections throughout the Eastern Sierra?

Mono County sues

Mono County has been alarmed about the effects of

DWP’s abrupt action and concerned that DWP began degrading conditions on the ground before a real study and analysis could be conducted.

The County took the matter to Mayor Garcetti, who quickly saw that DWP was getting itself into trouble. He promised that DWP would study the environmental impacts of ceasing irrigation, consistent with the California Environmental Quality Act, and “will discuss the findings with [Mono County] and the ranchers before any new lease language is proposed.”

There is just one problem: DWP continued to implement the no-water policy all summer (except for some small releases intended for Greater Sage-Grouse). Just like you study the effects of building a bridge before you start your excavation work, concern quickly mounted that DWP was implementing its policy—and causing all the undesired effects—before studying the soundness of the idea.

After additional attempts to work with DWP, Mono County filed a lawsuit in August seeking a halt to the dewatering until a regular planning process is followed. Arguments are slated for the end of the year.

Now playing catch-up, DWP announced it will prepare an environmental impact report studying the dewatering plan over the coming winter. The Committee will be engaged in the process, which is potentially illuminating but is likely to leave the issue in limbo for months or—if it is anything like the environmental study still underway to implement the collaborative 2013 Mono Basin Stream Restoration Agreement—years. Mono County’s legal point—that DWP cannot implement the dewatering action prior to conducting environmental analysis—continues to stand strong and will proceed in court. The results will affect what actually happens on the land next spring.

Reason to worry

Environmental studies, if done right, will disclose the impacts of the dewatering project, which is important. However, the question of DWP policy and strategy remains: What is the goal of this action in the first place, and is it good public policy? Even as DWP has hired consultants and started gathering data, it has not engaged in substantial public discussion of this overarching question.

There is a need for balance, and the Eastern Sierra can afford to share—not all of its water, but some. The problem as we see it is that DWP appears to be comfortable making unilateral moves that shift that water accounting in its own favor.

Which leaves us wondering: Is DWP strategically launching new initiatives that disrupt its Eastern Sierra relationships and backslide toward the more aggressive conflicts of forty years ago? Or is it unintentionally stumbling into new conflicts in the region? Time will tell, but either way the Committee, public agencies, and advocates up and down Eastern Sierra are seeing a new need to push back. ♦

Free Drawing to protect Mono Lake

Tickets due by December 10

Thank you to the generous businesses and organizations who donate the wonderful prizes for the Mono Lake Committee's annual Free Drawing, which is one of our largest fundraisers each year. Send in your tickets today (find them in the center of this *Newsletter*) for a chance to win and see all the prize details at monolake.org/freedrawing. Thank you, and good luck!

Enter today to win...

Top prizes

- Mammoth Mountain and June Mountain ski pass
- Mono Basin retreat with lodging at the Double Eagle Resort & Spa, gift cards to Stellar Brew and The Stove, a horseback ride with Frontier Pack Train, a boat rental at Silver Lake, and a movie at Minaret Cinemas

National Park getaways

- National Parks annual pass, plus an outdoor adventure and gift pack from the Yosemite Conservancy and copies of Dan Suzio's *Death Valley Photographer's Guide* and Lonely Planet's *National Parks of America*
- two-night stay at the Big Trees Lodge in Yosemite
- Island Packers cruise adventure to Channel Islands National Park

California vacations

- sailing trip on San Francisco Bay with Captain Kirk's Sailing Adventures and lodging at the Golden Gate Hotel
- mountain retreat at Sorensen's Resort in Hope Valley
- two-night stay at the Inn at Benton Hot Springs
- tickets to the California Academy of Sciences and a stay at the Golden Gate Hotel

Outdoor adventures, experiences, and more...

- boat rental at Convict Lake Resort, movie tickets for Minaret Cinemas, and gift certificates to Stellar Brew, Giovanni's Restaurant, and Whitebark Restaurant
- Mono Lake Committee canoe tour for four
- tickets to Bodie Photo Day for sunrise or sunset
- season pass to Tamarack Cross Country Ski Resort
- Mono Lake Committee half-day custom guided trip and a Mono Lake hat and water bottle
- registration for two for the Owens Valley Bird Festival
- a day aboard the USS Midway in San Diego
- tickets for two to The Huntington
- Patagonia Better Sweater fleece jacket
- Friends of the River package including a water bottle, tote bag, and the book *Rivers of California*
- gift cards to Great Basin Bakery and Eastside Sports in Bishop and Juniper Ridge wilderness soap
- Mono Lake Committee gift pack with *The Mono Lake Story* DVD and a Mono Lake Klean Kanteen, T-shirt, hat, and 2019 calendar
- REI Flexlite chair

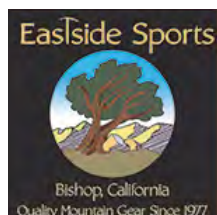
Mammoth



YOSEMITE
NATIONAL PARK



patagonia



Staff migrations

by Jessica Schneider

Sometimes “species” migrate into our little corner of the world and make us realize how lucky we are to live in a place that attracts such one-of-a-kind humans.

This summer we welcomed Philanthropy Director **Anna Christensen** back to our team. Membership Coordinator from 1999–2000 and with a Masters in Philanthropic Studies from Indiana University, her experience includes Director of Development for Indiana State University Foundation, Chief Development Officer for the Geological Society of America Foundation, and Director of Marketing and External Relations for the Beacom School of Business at the University of South Dakota. When not at home with her husband Steve and daughter Daisy, Anna will be visiting members all over the US—let her know if you want her to bring a little Mono Lake to you!

A warm welcome back to **Rose Nelson**, Education Program Manager. After graduating with a degree in Environmental Studies from UC Santa Cruz, she was a botany research assistant at UC Berkeley, and a Research Assistant for the California Department of Fish & Wildlife monitoring riparian plant species on rivers throughout California. Last year she was here at Mono Lake as an Outdoor Education Instructor, and prior to that was a California State Parks interpreter, where she oversaw all interpretive environmental programs for three state parks in the Santa Cruz Mountains. We are excited to have Rose’s energy and new ideas for the education program.

Gabby Renteria has worked with us since 2015 as an Information Center & Bookstore Assistant, a Mono Lake Intern, and a Project Specialist. She departed Lee Vining this summer to finish her undergraduate degree in Wildlife Biology at the University of Montana. We are grateful for all her hard work for Mono Lake through the last few years.

As a Mono Lake Intern, **Joslyn Rogers** organized the Refreshments with Refreshing ‘Ologists lecture series, and helped with stream monitoring, the Tioga Pass Run, and the membership program. Joslyn will spend the next year here as a Project Specialist helping with events, leading weekend South Tufa tours, and staffing the Information Center & Bookstore.

As Information Center & Bookstore Assistant during a challenging summer of road closures and wildfire smoke, **Marissa Leonard**’s previous work experience in Yosemite was invaluable for helping visitors make the most of their time here. **Galina Peters**, although new to the Mono Basin, came to us with a background in non-profit fundraising, which helped her share information with visitors about the Mono Lake Committee membership program as an Information Center & Bookstore Assistant.

Canoe Coordinator **Alison Kaplan** took over 600 visitors out on Mono Lake on weekend canoe tours this summer. She



The 2018 Mono Lake Committee staff.

also took Outdoor Education Center participants and school groups out on the lake and organized canoe tours for all of Lee Vining Elementary School’s students.

When Birding Intern **Nigel Bates** wasn’t leading weekly Lundy Canyon and Mono Lake County Park bird walks this summer, he could be found running up Tioga Pass or hiking Mt. Whitney. He also helped Point Blue Conservation Science with gull research on Mono Lake’s islands.

Mono Lake Intern **Eric Bergdoll** put together a canoe tour video to share online in addition to helping keep the Committee’s social media accounts updated and refinishing several memorial benches around Mono Lake.

Anna Boyes, Mono Lake Intern, helped recognize our exceptional Mono Lake Volunteers through interviews captured on the Mono-logue, researched Mono Lake’s sister lakes around the world, and did willow monitoring by measuring and recording stem segment growth.

Mono Lake Intern **Alexis Helgeson** planned the Great Sierra River Cleanup project, assisted with social media, gave a presentation about Mono Lake to Mammoth Lakes Middle School students, and taught visitors how tufa forms with a program on the deck at the Information Center & Bookstore. ❖

Jessica Schneider is the Committee’s Office Director. This summer she married Lundy Schneider east of Mono Lake on a perfect July day, surrounded by their families and friends ... and some dogs, horses, and goats.



From the mailbag

News from members and friends

by Ellen King

This year marks 40 years since the Mono Lake Committee was founded. Donations from longtime and new members comprise over 85% of our operating budget—without your loyal and generous support we would not be celebrating this milestone, and Mono Lake would not have the hard-won protections that the Committee secured over those years. So thank you all!

In honor

Marybel Batjer of Reno gave a gift in honor of **Cameron Batjer**. **Margret Lohfeld** of Los Angeles made donations in honor of her brother **Martin Engel**. **Robert & Joyce Schieferstein** of Walnut Creek sent a contribution in honor of **Craig Schieferstein's** birthday. The **Schlinger Family Foundation** of Santa Barbara gave a gift in honor of **Angela Slater & Warren Schlinger**. **Alice Weigel** of Watsonville made a donation in honor of the Committee's Lead Naturalist Guide **Nora Livingston**.

John & Mary Ljung of San Luis Obispo gave a gift in celebration of the marriage of **Allison Horst & Greg Reynolds**. "They love the Sierra and the Mono Basin and wish to have friends and family help the Committee with its protection, education, and restoration work in their honor. We are pleased to honor them in this way."

In memory

Jeff Chavez of Lancaster sent a contribution in memory of his father **Michael Chavez**. **Marcia Correia** of Elk Grove gave a gift in memory of **Ed Bouska**. **M. Logan Davis** of Mountain View made a donation in memory of **Beth Strelneck**. **Joanne Heyler** of South Pasadena sent a contribution in memory of **Ralph Kunin**, "father of my treasured, longtime colleague **Vicki Gambill**." **Janet Hightower** of Encinitas gave a gift in memory of her mother **Glenda Hightower**. **Terry Hill** of Huntington Beach made a donation in memory of her parents, **Lloyd & Irja Graham**. **Carol Mathews** of Walnut Creek sent a contribution "in

loving memory" of **Robert Mathews**. **Debby Parker** of Mount Shasta gave a gift in memory of **Jan Simis**: "In 1992, Jan let me camp near her house on DeChambeau Creek while I was working at the Lee Vining Ranger Station doing interpretive walks. She was a wonderful person who deeply loved Mono Lake."

Gay L. Parrish & Robert Bullard of Los Angeles and **Gil Parrish** of Tulsa, OK sent a contribution in memory of **Corinna Aragon**. **Charlene Roe** of Whittier made a donation in memory of her father **Norman Roe**, "with love from nieces Bonnie and Sally and nephew Terry." **Sally Roush** of Walnut Creek gave a gift in memory of **Craig Harper**. **Sally Schendel** of Yerington, NV gave a gift in memory of her husband **Andrew Schendel**. **John Schuyler** of Ashland, OR made a donation in memory of his father **James Owen Schuyler**—"My dad introduced me to the Eastern Sierra, the high Sierra, backpacking the entire John Muir Trail, and the joys of fly fishing alpine lakes. He will truly be missed." **Karla Stromberger** of Napa sent a contribution in memory of **Robert "Bob" Lynn**. **Cheryl Zakskorn** of

El Dorado Hills made a donation in memory of her mother **Viola Fair**.

Linda Zausen of Palo Alto gave a gift in memory of **Veronica Alencar**.

We received gifts in memory of **Lee Mennell** from **Elaine Carreiro & Phil Morano** of Medford, MA, from **John & Barbara Miller** of Sanford, NC, and from his sister **Jan Hoeffler** of Fairview Park, OH.

Stephen Ingram & Karen Ferrell-Ingram of Swall Meadows and **Steve Lipshie** of North Hollywood made donations in memory of **Genny Smith**. Steve wrote, "Genny was a warm and wonderful person who will be deeply missed by those who knew her (and by many who didn't)."

We received gifts in memory of **Bill Taylor** from **John & Mary Ljung** of San Luis Obispo, **Ralph & Jayne Lucas** of Huntington Beach, **Maxine Marcellin** of Indio, **Byron & Mindy Pohlman** of June Lake, **Fred & Patricia Stump** of Crowley Lake, and, with love, from **Dick & Phyllis Taylor** of Philadelphia, PA. Mary wrote, "Bill was a great friend of Mono Lake and a supporter of the Committee and its mission. We are pleased to send this contribution in his memory even as we mourn his death." ❖




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See pages 16–23 or visit monolake.org/store