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*Since the brand's inception, through leading environmental non-profit partnerships.

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Conservation International does not endorse this or any product. Learn more about the partnership at www.conservation.org.

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PHOTOS BY PETE HARRISON

At Long Last, the EPA Must Regulate Coal Ash

By Robert F. Kennedy, Jr.

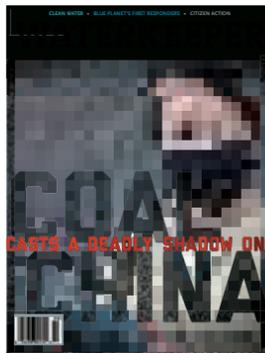
toxins, including arsenic, boron, cadmium, chromium, copper, mercury, and selenium. Every year, coal-generators vomit 80,000 pounds of arsenic and 65,000 pounds of lead into these waters.

The lack of federal regulations puts the burden on states to regulate coal-ash toxins, but coal and utility lobbyists are even more adept at dominating state political landscapes than federal policy. According to data in a new report by Waterkeeper Alliance, the Sierra Club, Earthjustice, Environmental Integrity Project and Clean Water Action, the states are doing next to nothing to protect our families from King Coal's water pollution. And, ironically, President Obama's plan to force coal plants finally to clean up their toxic air-emissions could actually aggravate water-pollution, since the toxins that are being scrubbed from smokestacks are now ending up in the water instead.

According to the EPA's estimates, as more power plants transfer toxics from the air and dump them in the water, toxic wastewater will increase by 28 percent over the next 15 years.

But there is some good news. After three decades, the EPA, in compliance with a lawsuit brought in 2009 by environmental groups, has proposed new guidelines that would limit toxic discharges from coal-fired power plants into waterways. Power-plant operators can





ON THE COVER:

Kang Xiao Feng, a staff member at Upper Yellow River Waterkeeper, outside a coal mine in northwestern China.

Design by BoyBurnsBarn/John Turner

Globally, the paper industry is the single largest industrial consumer of water and the third greatest emitter of greenhouse gases.

Getting the Paper (More) Right!

You will notice that this copy of WATERKEEPER magazine is different from copies produced in the last few years. Although we are very proud of the paper selection choices we have made in the past, we have found that the industry has moved forward. Today we can print on a 100% Post Consumer Waste paper that provides dramatically better environmental savings at lower cost, without sacrificing the print quality that our readers expect.

Now that WATERKEEPER magazine is printed on 100% Post Consumer Waste, FSC-certified, chlorine-free Cascades Rolland Enviro100 Satin, our new environmental savings metrics will be based on actual measurements and usage data at the mill. Using this paper more than doubles reductions of wastewater created, solid waste generated and energy consumed. Because Cascades actually burns methane obtained directly from a local land fill, the green house gases emitted are three times less than those of the previous paper manufacturer. This is done without purchasing either carbon offset or windpower credits, as our previous supplier did. We are very pleased with this new paper grade and anticipate you will be too.

Environmental Savings (compared to products containing 100% virgin paper)

WATERKEEPER magazine is also now available in a new e-format compatible with all mobile devices. Look for it on our website!

- 70** trees saved
- 67,095** gallons wastewater flow saved
- 8,481** lbs. solid waste not generated
- 107,000,000** BTUs of energy not consumed
- 22,047** lbs. of CO2 gas emissions prevented
- 107** MMBTU of energy saved
- 65** lbs. of nitrogen oxide (NOx) gas emissions prevented

In other words, the savings from our new paper choice is equivalent to:

- The annual emissions from **3** cars
- AND the annual energy consumption of **1** household

Waterkeeper magazine is printed on chlorine-free, FSC-certified Rolland Enviro 100 Satin 100% post-consumer recycled paper which is manufactured with biogas energy. This paper is certified by Ecologo and by Smartwood for FSC standards which promote environmentally-appropriate, socially-beneficial and economically-viable management of the world's forests.

Waterkeeper Alliance and Cascades Fine Papers are proud to reduce the environmental burden related to paper production.



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2013 LIMITED EDITION ARTIST SERIES



Limited Edition 2013 Artist Series

1.5 million
square miles of watersheds

22 countries

Who Is
more than 200 waterways

Waterkeeper Alliance?

6 continents

Photo: Rick Dove

In virtually every part of the world, climate change is affecting the quality and quantity of water resources. As the effects intensify in the coming years, the impacts on farms and forests, coastlines and floodplains, water supplies, and human populations will become more and more severe.

Waterkeeper Alliance is uniquely positioned to confront the effects of climate change and other environmental threats by engaging its grassroots network on local, regional and global levels. We are the voice for rivers, streams, wetlands and coastlines in the Americas, Europe, Australia, Asia and Africa.

We are a powerful worldwide coalition of more than 200 local Waterkeeper groups—Riverkeeper, Baykeeper, Coastkeeper and other grassroots Waterkeeper organizations—connected as a unified international force to defend the world's waters during this period of unprecedented crisis.

Join Waterkeeper Alliance— Get WATERKEEPER

Everyone has the right to clean water. It is the action of supporting members like you that ensures our future and strengthens our fight for clean water. Join Waterkeeper Alliance and get WATERKEEPER for one year. Go to www.waterkeeper.org and click on Donate Now to join as a supporting member. You can also join by mail. Send your check, payable to Waterkeeper Alliance, to WATERKEEPER Membership, 17 Battery Place, Ste. 1329, New York, NY 10004 or contact us at info1@waterkeeper.org.

Thanks for your support!



Hertz NeverLost® + Waterkeeper Swim Guide = Good, Clean Summer Fun



Hertz has partnered with Waterkeeper® Alliance to make their Swim Guide beach water quality info accessible via in-car Hertz NeverLost GPS units. Find local 'Waterkeeper Swim Guide' clean beaches through the Hertz NeverLost 'Explore City' app.

To learn more about Hertz's sustainability efforts, please visit HertzLivingJourney.com.



Waterkeeper Alliance is a 501(c)(3) non-profit organization. Your \$50 contribution or more entitles you to receive a one-year subscription to WATERKEEPER magazine, which has an annual subscription value of \$12. The balance of your contribution is tax deductible to the extent allowed by law.



Ripples

Ottawa Riverkeeper on a Mission



PHOTOS BY BLUE LEGACY / OSCAR DURAND



PROTECT OUR RIGHT TO CLEAN WATER AND TASTY BEER!



swim



drink



fish

Join Waterkeeper® Alliance and support SweetWater Brewery's efforts to protect our water.

SweetWater is donating a portion of our proceeds this summer to Waterkeeper® Alliance.

For more info, visit waterkeeperbrew.org



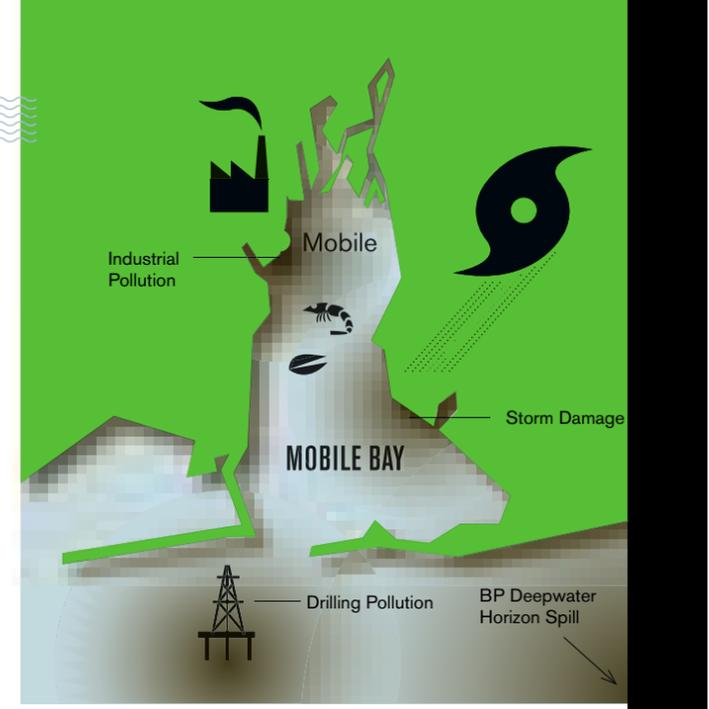
Scan to donate and get sweet schwag



Settlement in Savannah: Army Corps and Local Authorities Must Pay to Protect River

PHOTOS BY THE U.S. ARMY CORPS OF ENGINEERS SAVANNAH DISTRICT

“OUR RIVER AND HARBOR HAVE TAKEN A BEATING FOR A LONG TIME, AND THEY’RE SHOWING THE BATTLE SCARS.”



Restoring Habitats, and Revenue, along Mobile Bay



Blue Jeans, Blue Waters

Waterkeeper and Levi Strauss Hold “Community Days”

In May, Levi Strauss & Co. offices in San Francisco, Beijing and Dhaka, Bangladesh joined with Waterkeeper Alliance to hold employee “Community Days” to raise awareness about water-quality issues. Over 100 Levi Strauss employees participated in Waterkeeper-organized events.

In San Francisco, the Alliance and Levi’s conducted a restoration project at Heron’s Head Park. Following an address by Alliance Executive Director Marc Yaggi, about 30 Levi’s employees put on gloves to remove invasive species along the India Basin section of San Francisco Bay.

“We were excited to see such enthusiasm from Levi’s for this year’s Community Day,” said Yaggi afterward. “They have a strong commitment to volunteerism, not just here in the U. S., but across the globe.”

On the same day in Beijing, Levi’s,

Beiyun Waterkeeper Wang Yongchen and her staff informed dozens of Levi’s employees about threats facing local waterways and water management during a three-hour “Happy River Walk” along the city’s canals. The staff also demonstrated how to conduct some basic water-quality tests.

Wang noted that the Levi’s employees “wholeheartedly supported” Waterkeeper’s mission to protect Beijing’s waterways. “I didn’t know that China’s streams and rivers were facing such big challenges,” said one employee. “But I also didn’t know that there’s a group of people that cared so much about our waterways.”

Later in the month, in Dhaka, Buriganga Riverkeeper Sharif Jamil organized Levi’s Community Day, which was held on the banks of the Buriganga. More than 30 Levi’s employees and volunteers from Riverkeeper

and other Bangladeshi non-government organizations joined to clean up the debris-covered Sadarghat Terminal, one of the largest river ports in the world. Afterward the volunteers supplied trash-baskets to ferries and T-shirts to boatmen while explaining to them the urgency of protecting the river.

“Despite heavy rain, the Community Day went really well,” said Puspita Alam, a Levi’s executive in Dhaka, “This NGO, Buriganga Riverkeeper, is doing such a great job. People were responding to the message we were trying to give them and were motivated to get involved in the cleanup operation.”

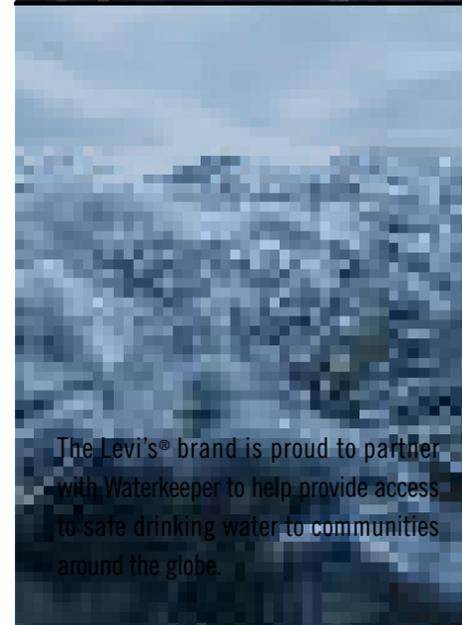
As part of the partnership, Waterkeeper Alliance connects Levi’s offices and employees with our local grassroots water-advocates around the world. The Alliance celebrates Levi Strauss and Co.’s serious and strong commitment to clean water.



HEAVY ON STYLE, LIGHT ON WATER

Levi’s Water<Less™ products reduce water use in the finishing process by up to 96% for some styles. In 2012, we made more than 29 million Water<Less™ products, saving over 360 million liters of water. And, that’s just the beginning. More and more of our products are becoming Water<Less™.

LEVI.COM/PROGRESS



The Levi’s® brand is proud to partner with Waterkeeper to help provide access to safe drinking water to communities around the globe.

Northwest Coal-Terminal Proposals: Three Down, Three to Go



pounds of coal from each car, according to the calculations of one of the main carriers, Burlington Northern Santa Fe.
The talent and determination of

“Our victories show real progress,” said VandenHeuvel, “but the hardest work lies ahead.”



PHOTO BY JASON HORN

YOUR PASSION DRIVES US TO A GREENER FUTURE

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Ripples

Spring Cleaning off Massachusetts and Rhode Island

New England waters are a lot healthier this summer, thanks to extremely successful spring cleanups conducted by Massachusetts Baykeeper and South County Coastkeeper, with support from Teva, the California-based footwear manufacturer.

Massachusetts Bay, part of the larger Gulf of Maine, is one of the largest bays on the east coast, encompassing waters from Cape Ann to Cape Cod. "Many local residents think that Boston Harbor is the only notable source of water pollution in the region," said Massachusetts Baykeeper Brianne Callahan. "They don't realize how many municipalities empty into Massachusetts Bay and how many sources of pollution there are."

Callahan jumped at the chance to undertake a community-based event with Teva. "They're a really committed partner," she said. "And this was an especially good opportunity because, for many of the participants of the cleanup, the event was their introduction to all of the important work that Massachusetts Baykeeper is doing."

Volunteers filled 43 contractor trash bags with approximately 1200 pounds of trash, five more bags with recyclable items, and hauled out various large objects, including parts of a boat and dock.

"All of the participants left with a greater understanding of the bay and the forces that are endangering it" Callahan concluded.

South County Coastkeeper serves the lower end of Block Island Sound, a strait in the Atlantic Ocean, approximately 10 miles wide, that separates Block Island from the coast of Rhode Island. In celebration of Earth Day 2013, Coastkeeper Dave Prescott and its parent organization, Save the Bay, organized five beach-cleanups on April 20th, in observance of Earth Day 2013. They engaged over 550 volunteers to remove nearly 9000 pounds of trash from the shoreline.

"One of the fundamentals of being a Waterkeeper is actively involving the communities we protect," said Prescott. "We're grateful to the generous support of Teva in helping us make that connection and ridding our coastline of trash and debris. Events like these give participants a hands-on perspective of how we as Waterkeepers work every day to achieve our vision."

"Many local residents think that Boston Harbor is the only notable source of water pollution in the region. They don't realize how many municipalities empty into Massachusetts Bay and how many sources of pollution there are."



Tigris River Flotilla

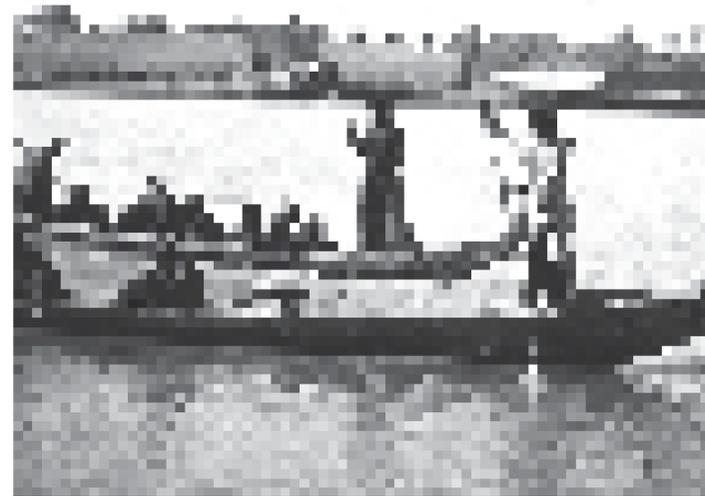
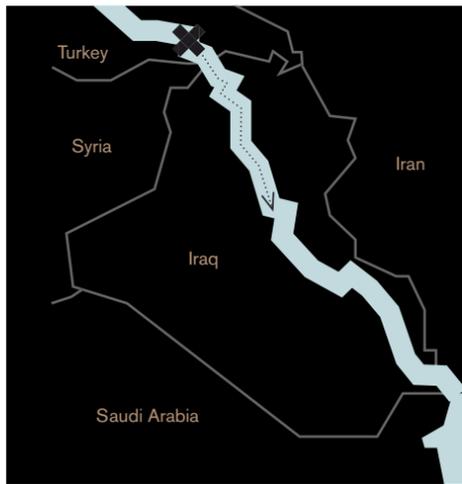


PHOTO COURTESY OF THE GERTRUDE BELL ARCHIVE, NEWCASTLE UNIVERSITY.



PHOTO BY CHARLES DEPMAN.

ON THE SHORE OF THE YAMUNA, RIVERKEEPER MINAKSHI ARORA TEACHES A HARD LESSON ON WATER QUALITY TO LOCAL CHILDREN.

Indian Waterkeeper a World Champion of Water-Monitoring



(UPPER RIGHT).

PHOTO COURTESY OF THE GERTRUDE BELL ARCHIVE, NEWCASTLE UNIVERSITY.



THESE 4 PHOTOS ARE BY ALI ARKADY.



PHOTO BY FRANK DAVIS

Riverkeeper
Jeff Turner Is
Field & Stream
“Hero of
Conservation”

A SOLAR DEAL FOR WATER ACTIVISTS

Go solar and get \$750 for you, \$750 to support Waterkeeper Alliance.*

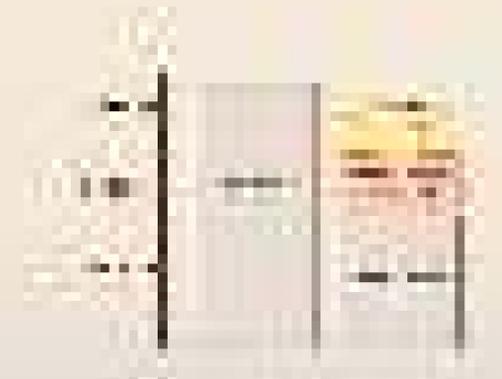
IT’S A WIN-WIN-WIN!

A Win for You: Sungevity’s Solar Lease saves you money and protects you from rising utility rates. Plus, you’ll get a **\$750 cash gift card**.

A Win for the Planet: Powering your home with solar energy is one of the best ways to shrink your carbon footprint.

A Win for Waterkeeper: Sungevity will give \$750 to the Waterkeeper Alliance when you go solar.

How You Save



Many homeowners save money from day 1, and everyone saves over time.



CHINA

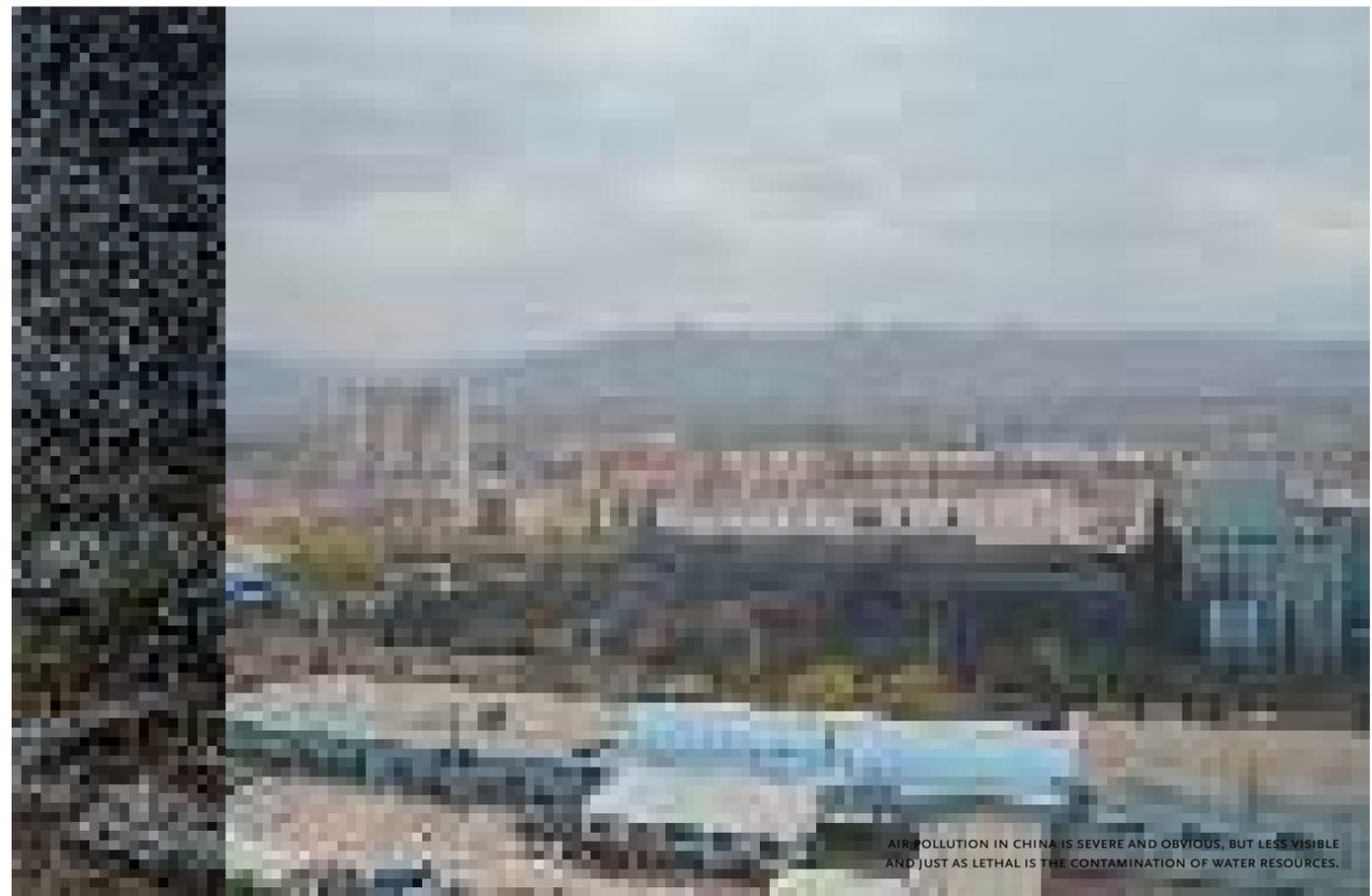
COAL

**CHINA CONSUMES MORE COAL
THAN ALL THE REST OF THE WORLD
AND A GREAT NATION'S HEALTH
IS IN PERIL.**

STORY AND PHOTOS BY CHARLES DEPMAN



A GOVERNMENT PLAN TO INCREASE COAL PRODUCTION AND BUILD MORE POWER PLANTS NEAR MINES IS WORSENING WATER SHORTAGES IN CHINA'S DRY NORTHERN REGIONS.



AIR POLLUTION IN CHINA IS SEVERE AND OBVIOUS, BUT LESS VISIBLE AND JUST AS LETHAL IS THE CONTAMINATION OF WATER RESOURCES.

T

MY SON COMES HOME EVERY DAY FROM SCHOOL WITH ASH IN HIS HAIR AND ON HIS CLOTHING. I MAKE HIM WASH IMMEDIATELY.

**MANY
MINERS
AND
FACTORY
EMPLOYEES
HAVE NO
HEALTH
BENEFITS
AND WORK
WITHOUT
RESPIRATORY
PROTECTION.**

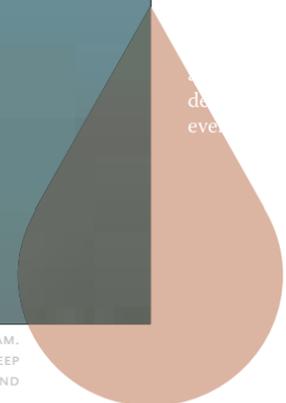


DONNA LIENBY, WATERKEEPER ALLIANCE'S GLOBAL COAL CAMPAIGN COORDINATOR,
WITH A COAL WORKER IN HIS HOME OUTSIDE LANZHOU.

THE FIRST SACRIFICE

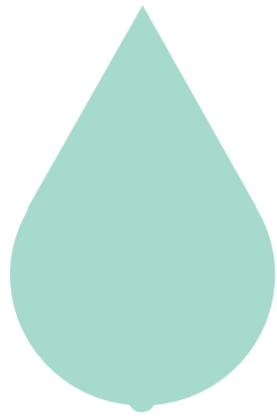
CONQUERING THE
COLORADO RIVER
HASN'T WORKED,
BUT WORKING WITH
THE RIVER WILL.

BY JOHN WEISHEIT,
COLORADO RIVERKEEPER



BY JOHN WEISHEIT, COLORADO RIVERKEEPER

THE COLORADO RIVER IN LAKE POWELL, WHICH WAS CREATED BY GLEN CANYON DAM,
THE SEDIMENT DEPOSITS HERE IN UPPER GLEN CANYON ARE OVER 200 FEET DEEP
BECAUSE OF THE DAMMING. PHOTO BY DR. JOHN C. DOHRENWEND

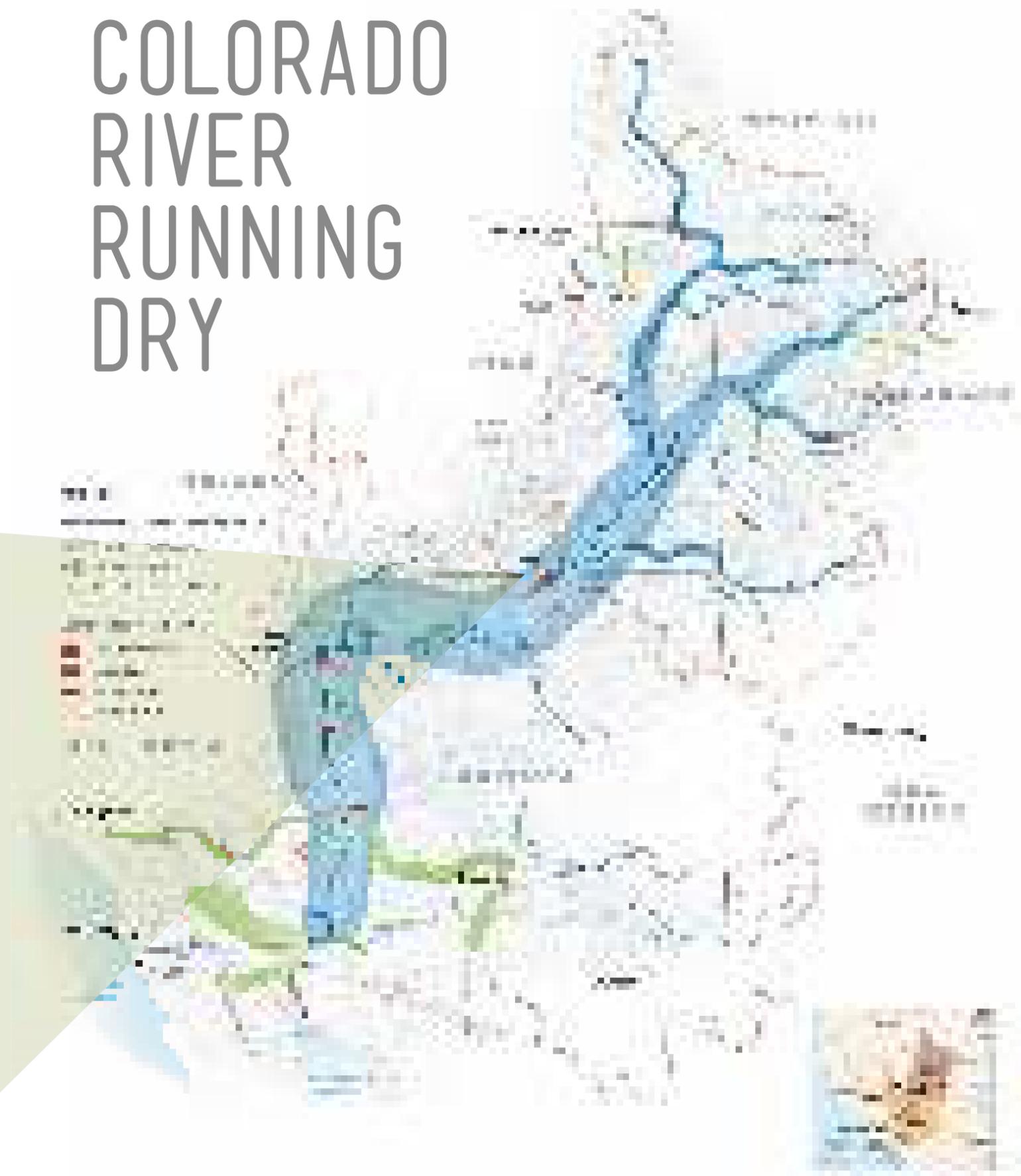


COLORADO RIVER RUNNING DRY

GLEN CANYON DAM IN 1963 AS THE DAM'S RESERVOIR, LAKE POWELL, WAS FILLING. NINETY-FIVE PERCENT OF THE GRAND CANYON'S SEDIMENT AND NUTRIENTS ARE TRAPPED BEHIND GLEN CANYON DAM.



PHOTO COURTESY OF BUREAU OF RECLAMATION



MAP COURTESY OF AMERICAN RIVERS

THE BUREAU OF RECLAMATION CAN ONLY CONTROL LITTLE DROUGHTS AND LITTLE FLOODS. WHEN THE BIG ONES ARRIVE, THE SYSTEM WILL FAIL.

NAVAJO GENERATING STATION (NGS) USES 34,000 ACRE-FEET OF COLORADO-RIVER WATER PER YEAR TO GENERATE ELECTRICITY THAT IS PARTIALLY USED TO OPERATE THE PUMPS THAT DELIVER COLORADO-RIVER WATER VIA AQUEDUCT TO PHOENIX AND TUCSON. THE COAL TO HEAT THE WATER COMES FROM NAVAJO AND HOPI TRIBAL LANDS. NGS IS A HUGE CONTRIBUTOR OF AIR POLLUTION AND GREENHOUSE GASES AND THERE ARE CAMPAIGNS TO DECOMMISSION THE PLANT. PHOTO BY COLORADO RIVERKEEPER.



SCIENCE TRIP INVESTIGATING THE SEDIMENT DEPOSITS OF UPPER LAKE POWELL. THE COLORADO RIVER HAS INCISED ITSELF INTO THE LAKE'S MASSIVE SEDIMENT DEPOSITS. PHOTO BY DR. JOHN C. DOHRENWEND



THE CENTRAL ARIZONA PROJECT (CAP) IS THE MOST EXPENSIVE PUBLIC WATER WORKS PROJECT EVER CONSTRUCTED IN THE UNITED STATES. THE POWER TO PUMP THE WATER IN THE AQUEDUCT UPHILL TO PHOENIX AND TUCSON COMES FROM THE NAVAJO GENERATING STATION. PHOTO BY COLORADO RIVERKEEPER

WATERKEEPERS WORK ON ENDANGERED RIVERS

BY LESLEY ADAMS,
WESTERN REGIONAL COORDINATOR

Waterkeepers are working to protect the Colorado River from the impacts of climate change and over-extraction. The river is a lifeline for millions of people in the West, but it is being pushed to the brink of collapse. Waterkeepers are fighting to ensure that the river remains healthy and available for future generations. They are working with scientists, policymakers, and the public to address the challenges facing the river. The Colorado River is a shared resource, and it is our responsibility to protect it. Waterkeepers are committed to this mission and will continue to work tirelessly to ensure the river's future.

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about

THIS SACRED RIVER

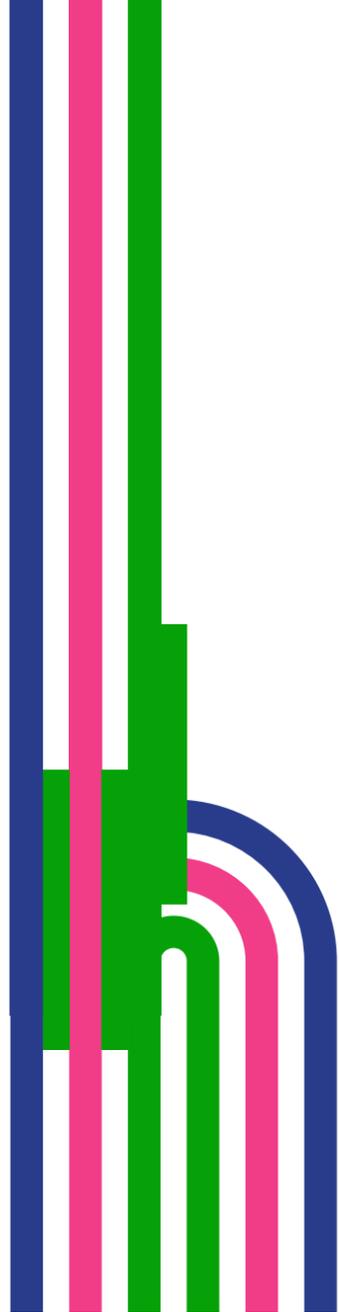
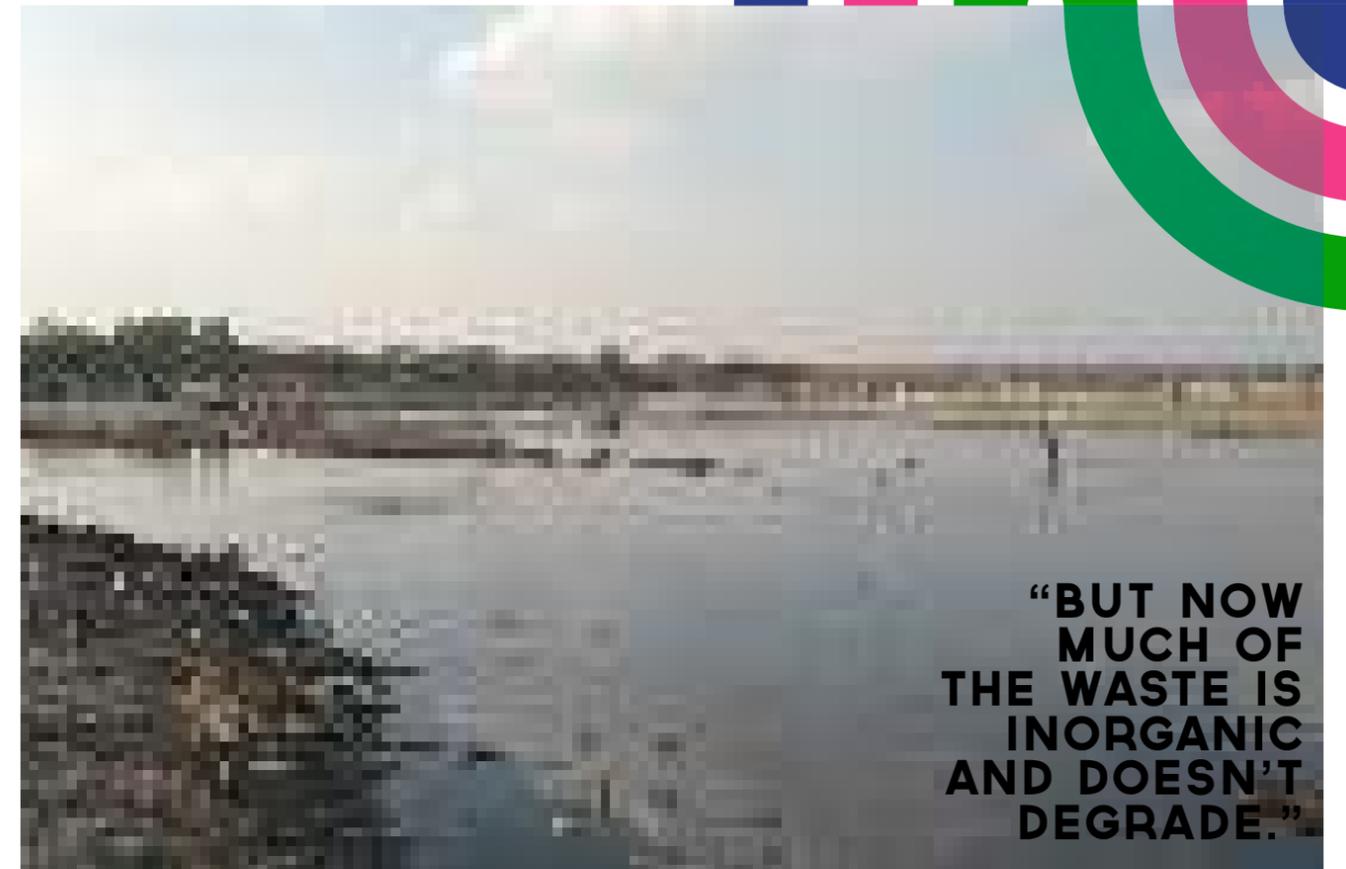
RIVER SACRED THIS

RIVERKEEPERS ALONG THE YAMUNA ARE RAISING HOPES THAT THE RIVER CAN BE RESTORED TO ITS FORMER GRANDEUR.

STORY AND PHOTOS BY CHARLES DEPMAN

MUST LIVE

MUST LIVE





PROFIT

DRILLS

GAS, OIL, MONEY
AND WATER.
MIXED TOGETHER,
ARE POLLUTING
COLORADO'S
NATURE, PEOPLE AND
DEMOCRACY. BY GARY
WOODNER, PBUORE
WATERKEEPER

ON COLORADO'S FRONT RANGE



ISN'T IN TEXAS, OR OK!
No, the U. S. c
most active oil &
about 19,000 – i
in northern Colo

Financial contributions from the industry to support several of
pursuits.

But fracking include water quality and quantity, air
public health, and impacts on wildlife habitats.
been engaged in the fracking fight primarily
ty. Our river has long been running dr
proposing a huge new dam and reser
selling huge amounts of wa
to, there are already to
including the Cache
for precior

W

**OUR RIVER HAS LONG BEEN RUNNING DRY, AND THE SAME CITIES THAT ARE PROPOSING A
HUGE NEW DAM AND RESERVOIR THAT WOULD DRAIN IT FURTHER ARE ALSO SELLING HUGE
AMOUNTS OF WATER TO FRACKERS.**

CAPTION TX LOREM IPSOUM CAPTION
CAPTION TX LOREM IPSOUM CAPTION

**IN AN ARID STATE LIKE COLORADO, THERE ARE ALREADY TOO MANY STRAWS SUCKING WATER OUT
OF OUR RIVERS, INCLUDING THE CACHE LA POUDE, AND FRACKERS, WHO CAN OUTBID CITIES AND
FARMS FOR PRECIOUS RIVER-WATER, ARE DIPPING THEIR STRAWS EVER DEEPER.**

A NEW RACE FOR INCREASINGLY SCARCE WATER SUPPLIES IS ROILING COLORADO, PITTING FARMERS AND ENVIRONMENTAL ACTIVISTS AGAINST DEEPOCKETED ENERGY COMPANIES THAT
ARE USING HYDRAULIC FRACTURING TO DRILL DEEP NEW WELLS. A SINGLE WELL, SUCH AS THE ONE PICTURED HERE, CAN REQUIRE FIVE MILLION GALLONS OF WATER.

A WORKER USES HAND SIGNALS TO COMMUNICATE OVER THE ROAR OF MASSIVE PUMPS AT A HYDRAULIC FRACTURING SITE IN THE FOOTHILLS OF THE ROCKY MOUNTAINS. MILLIONS OF GALLONS OF
WATER ARE PUMPED DOWN WELL HOLES TO SPLIT OPEN OIL- AND GAS-BEARING FORMATIONS IN THE FRACKING PROCESS. AP PHOTO/BRENNAN LINSLEY



AP PHOTO/DAVID PARSONS/GETTY IMAGES

On The Water

Middle Han Waterkeeper and the local community gathered on the Han River in Xiangfan City, China to celebrate Swimmable Water Weekend 2013, a global network of events held July 25 - 28, 2013. Waterkeepers organized more than 30 events in eight countries to draw attention to the need for safe, clean, swimmable water.

For more photos of Swimmable Water Weekend events, visit our photo album online at [Flickr.com/waterkeeperalliance](https://www.flickr.com/photos/waterkeeperalliance/).





Annual Conference One World, One Global Crisis

LEFT TO RIGHT, REV. GERALD DURLEY; SAVANNAH RIVERKEEPER TONYA BONITATIBUS; HURRICANE CREEKKEEPER JOHN WATHEN AND ROBERT F. KENNEDY, JR.; WATHEN JOINS THE LATIN AMERICAN WATERKEEPERS ATTENDING THE CONFERENCE.



The Waterkeeper conference is fast becoming one of the most important convenings of clean-water activists in the world, and the continuing growth and power of the Waterkeeper movement has been fueled by the energy expended and ideas expressed there.

Special Thanks To:

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TURNER FOUNDATION

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INDIVIDUALS

LAURA & RUTHERFORD SEYDEL
HEATHER RICHARDSON

HOST WATERKEEPERS

SALLY BETHEA AND
CHATTAHOOCHEE RIVERKEEPER
GORDON ROGERS
AND FLINT RIVERKEEPER

PHOTOGRAPHY AND VIDEOGRAPHY

JOHN HOVING
RICH WALLIN
JOHN WATHEN

AND THANK YOU TO S'WELL BOTTLES FOR PROVIDING THE PRIZES FOR THE SCAVENGER HUNT.



THE ORIGINAL
SPORT SANDAL

'84 Δ G.C.

Teva

