

# Santa Barbara CHANNELKEEPER®

Keeping watch for clean water





Our mission is to protect and restore the Santa Barbara Channel and its watersheds through science-based advocacy, education, field work and enforcement

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#### FROM THE HELM

For an organization driven by our mission to protect and restore the Santa Barbara Channel and its watersheds, the recent oil spill was both heart-breaking and infuriating to those of us on the Channelkeeper crew, as it was to everyone in this great community. But it was also a rousing reminder of why our work is so important. It literally takes a village to respond to a crisis of this magnitude, and Channelkeeper was at the ready to lend our unique skills and resources - our boat, monitoring gear, partnerships and scientific expertise - to support the response and recovery effort.



The need for Channelkeepr's unique

brand of vigilance was validated by this disaster, and we aim to leverage the devastation as glaring proof of the need to better protect our invaluable coast from risky oil development and other dangerous threats that put our environment, economy and community at risk. This terrible tragedy will leave its mark for a long time to come, but it also served as a wake-up call that can't be ignored. You can count on Channelkeeper to stand strong and do what needs to be done to ensure that a disaster like this can't happen again, and to protect and restore this spectacular stretch of coast we call home.

### **GET READY TO REIN THE RAIN!**



With predictions for a strong El Niño this winter, we're all hoping for heavy rains to quench the dry landscape and provide relief from the current drought. But with rain—in particular after extended dry periods—comes a deluge of pollutants running off dirty sidewalks and streets straight into storm drains, creeks and the ocean.

One way to help reduce stormwater runoff—the number one source of water pollution in our area—is to keep rain water on your property by redirecting it, slowing it down, capturing it, and letting it soak into the soil in a rain garden, which removes pollutants in the process. Rain barrels are also a great way to capture rainwater while also conserving water.

Channelkeeper is excited to continue our partnership with Figueroa Mountain Brewery to distribute rain barrels to water conscious citizens. Fig is donating several oak barrels previously used in the beer-making process, and Channelkeeper will supply and help install simple kits that convert them into rain barrels. We will have a limited supply of these barrels available for sale (for \$100) later this fall, so email us at penny@sbck.org to reserve yours today!

### Crude Awakening



he Plains All American Pipeline rupture on May 19, 2015 has taken a terrible toll on the environment, wildlife, the local economy, and our community. It spilled an estimated 143,000 gallons of heavy crude oil onto the pristine Gaviota Coast, including at least 21,000 gallons into the Santa Barbara Channel, and killed or injured hundreds of birds, marine mammals and fish, forced the weeks-long closure of Refugio and El Capitan State Beaches and 138 square miles of fishing grounds, fouled more than 40 miles of shoreline, and negatively impacted local businesses, tourists and residents.

With boots on the ground and a boat on the water, Channelkeeper rose swiftly to the challenges posed by this environmental crisis. In the immediate aftermath of the spill, we were out on our boat, up in airplanes, and on the affected beaches bird-dogging the response, monitoring the extent of the spill and photoand video-documenting impacts on the water, shoreline and wildlife. We conducted underwater surveys at the nearby Naples Marine Protected Area (MPA) and the kelp forest and eelgrass bed at Refugio, and collaborated with researchers from

Cal State Channel Islands to deploy underwater ROVs to scout for oil on the seafloor.

Then, as tar balls started washing up on beaches in Ventura, LA and Orange counties, we quickly created an online reporting form for people who observed oil on beaches to fill out and submit to us. We compiled these observations and cultivated relationships with key officials inside the Unified Command to ensure that our reports were informing the official clean-up. At the request of the California Department of Fish and Wildlife's Office of Spill Prevention and Response (OSPR), we also incorporated oil observations into our MPA Watch Program, and we're contributing those data to OSPR as well.

The existence of profuse natural seeps in the Santa Barbara Channel confounded the spill response effort, with the ability to differentiate tar balls attributable to the Refugio spill from seeps emerging as a key challenge. So, at the urging of Channelkeeper and our allies, OSPR and the US Coast Guard organized an intensive monitoring effort to survey and collect tar ball samples on

beaches from Gaviota to Huntington Beach, which were then fingerprinted to determine their origin. Channelkeeper represented the environmental community in this effort. We are now developing a more systematic, long-term monitoring program to record standardized tar ball data on beaches along the Santa Barbara Channel on a seasonal basis in order to establish a baseline that can be used to differentiate spill oil from natural seeps as well as to help identify new spills in the future.

In addition to these monitoring efforts, Channelkeeper has been collaborating with other environmental groups, businesses and policy makers to advocate for a thorough clean-up, necessary policy reforms to better prevent future spills, and stringent enforcement against Plains. We testified at hearings before several local and state agencies and have been a lead supporter of a package of bills to improve oil spill prevention and response, three of which have passed through both houses and are headed to the Governor's desk.

The clean-up of the spill is now largely complete – although only

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## Santa Barbara Pulls \$55 Million Desal Trigger



Despite mounting evidence of a strong El Niño this winter, the Santa Barbara City Council voted unanimously in July to reactivate the City's mothballed desalination plant. The cost of this controversial decision, originally estimated at \$17.7 million, has climbed to a whopping \$55 million.

Channelkeeper has been the only organization to take a stand on this issue since the City began grappling with it in spring 2014. We've lobbied the City to first exhaust other, less expensive and less environmentally harmful alternatives like stormwater capture, recycled water, and increased conservation and efficiency before resorting to desalination. Then, if desal is still necessary to meet any remaining water supply shortfall, we've urged the City to use the best available technology to minimize its adverse environmental impacts.

In addition to significant greenhouse gas emissions caused by the highly energy-intensive desalination process,

and the toxicity to marine life from the discharge of concentrated brine and chemical waste back into the ocean, Channelkeeper's primary concern is with the massive death toll to marine life caused by the open ocean intake that will be used to suck seawater into the desal plant. To address this impact statewide, the State Water Board enacted a policy earlier this year requiring all new or expanded desal plants in California to use subsurface intakes which extract seawater from beneath the seafloor and thus virtually eliminate marine life mortality - unless they are thoroughly demonstrated to be infeasible. Unfortunately though, Santa Barbara squeezed through a loophole in this requirement.

Thanks to Channelkeeper's advocacy, however, the City is legally bound to study the feasibility of subsurface intakes as well as the feasibility of potable reuse – advanced treatment of sewage to produce clean drinking water. An independent Technical Advisory Panel has been established

to oversee these studies, and the first of several meetings was held in August to solicit public input on the work plans. Channelkeeper will bird-dog the development of these studies and provide input to ensure that they give due consideration to these environmentally preferable alternatives.

In addition, to support our advocacy on this issue, Channelkeeper is working with a group of UCSB Bren School Masters students to analyze the relative economic and environmental costs of various water supply and demand management alternatives for the South Coast. The group is developing a methodology to help local water districts design water supply portfolios that are both cost effective and cause the least environmental harm. When their project is complete in spring 2016, Channelkeeper will leverage their findings to help steer local water districts toward environmentally superior alternatives like stormwater capture and potable reuse.

# Major Victory in Fight to Curb Agricultural Pollution!



Channelkeeper has fought to protect local waterways from agricultural pollution. We won a major victory in this David and Goliath battle last month when the State Superior Court ruled in our favor on a lawsuit Channelkeeper and our allies filed in 2013 challenging the adequacy of regulations adopted by the State Water Board to control polluted

discharges from irrigated agricultural lands on California's Central Coast. (Our co-plaintiffs were Monterey Coastkeeper, Environmental Justice Coalition for Water, Pacific Coast Federation of Fishermen's Associations, California Sportfishing Protection Alliance, and an elderly woman who cannot drink her tap water because it is contaminated with agricultural waste.)

The Court's August 2015 ruling agreed with our arguments that the Central Coast "Ag Order" fails to comply with State law and is not in the public interest because it will not lead to quantifiable improvements in water quality or even arrest the continued degradation of the region's waters caused by agriculture. The Court ordered the State Water Board to create new rules to better protect surface and ground water from agricultural pollution.

Irrigated agriculture is one of the most significant sources of water quality impairment on the Central Coast. According to a 2010 report by the Regional Water Board, these impairments are "well documented, severe, and widespread.... Immediate and effective action is necessary to improve water quality protection and resolve the widespread and serious impacts on people and aquatic life." The Board initiated a stakeholder process to draft the Ag Order in 2009, but the resulting regulations were

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### Critical Wins in Our Lawsuit to Restore Flows in the Ventura River

Good news for steelhead - Channelkeeper has prevailed in two major Court decisions on our ground-breaking lawsuit to restore flows to the Ventura River!

The City of Ventura pumps hundreds of millions of gallons of water from the Ventura River each year, often completely dewatering parts of the river during critical dry weather periods and causing harm to habitat, endangered species, water quality, and recreation. The State Water Resources Control Board (SWRCB) has officially designated the Ventura River as impaired by excessive pumping and diversions, and the SWRCB has a constitutional

duty to prevent unreasonable use of the state's waters. Despite this, the City continues to over-pump, and the SWRCB has done nothing to stop it, putting the health of the river in serious jeopardy.

In an attempt to restore flows to the river, Channelkeeper filed a lawsuit last September to compel the SWRCB to analyze the reasonableness of the City's use of the Ventura River. Both the SWRCB and the City attempted to have our suit thrown out, but at our first hearing in April, the California Superior Court overruled their objections and affirmed that the SWRCB has a mandatory duty to prevent

unreasonable use of state waters. In response, the City attempted to bog down our case by filing crosscomplaints against every other water right holder in the watershed, arguing that everyone's uses must be considered together. At our second hearing in August, the Court again sided with Channelkeeper and directed the City to drop its cross-complaints. Our hope is that the SWRCB will now agree to analyze the City's use of the river, and that ultimately that analysis will force the City to better balance its pumping to meet residential and municipal demand with the need to preserve in-stream flows for nature, fish and recreation.

# Santa Barbara County Bans the Bag!



Painting by Leslie Herman

Perseverance pays off! After seven years of advocacy by Channelkeeper, the Community Environmental Council, and other advocates, Santa Barbara County recently joined the cities of Carpinteria, Santa Barbara and more than 100 other jurisdictions in California in adopting a plastic bag ban ordinance. The County's ordinance will ban plastic carryout

bags at grocery stores, convenience stores, liquor stores, and pharmacies in the unincorporated areas of Santa Barbara County, but will still allow for produce bags as well as plastic bags at restaurants and non-grocery retail stores. It also requires regulated stores to charge a 10-cent fee for paper bags in order to incentivize the use of reusable

bags. The ban will take effect at large supermarkets and pharmacies on March 22, 2016 and at smaller stores that sell groceries on September 24, 2016. By this time next year, it will reduce the use of plastic bags by more than 60 million per year!

Unfortunately, however, the City of Goleta recently voted to wait for the outcome of the referendum on the state-wide bag ban before taking action on a bag ordinance. The state ban, which was signed by the Governor last year, was set to enter into effect on July 1, 2015, but the plastic bag industry collected enough signatures to put a vote to overturn it on the November 2016 ballot. We're very disappointed that Goleta will continue to distribute 15 million plastic bags annually while municipalities all around them have done their part to stem the tide of plastic pollution, so if you live in Goleta and support a plastic bag ban, please let your City Councilmembers know. Let's make all of Santa Barbara County plastic bag free!

# **Crude Awakening**

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about 10-20% of spilled oil can be recovered once it gets into the ocean – and the longer term Natural Resource Damage Assessment (NRDA) has begun. The NRDA will ultimately determine the amount of money Plains must pay to mitigate the damage caused and what restoration projects that money should support to restore the impacted resources, and Channelkeeper will track and weigh in as this process as it unfolds.

Finally, Channelkeeper continues to serve as a go-to source of reliable information about the spill. We've conducted scores of interviews with reporters to give a credible environmental perspective, gathered and disseminated extensive photo and video footage from unique aerial and on-the-water vantage points, and kept the public informed through social media. We are also planning a series of public lectures featuring relevant agency officials, scientists and other experts to speak to the community about various topics related to the spill and oil issues in our region more broadly.

This tragic spill has served as a harsh reminder of just how vulnerable our beloved coast is to the inherent risk of oil spills, and how much our community, wildlife, and our local economy depend on a clean, healthy ocean. Channelkeeper is committed to continue lending our unique skills and resources to the ongoing response effort and to doing all we can to help ensure this kind of disaster never happens here again.

# Marine Protected Areas

#### **Eco-Tourist Destinations**

The Santa Barbara Channel became a hot spot for marine conservation in 2012 with the establishment of a network of five Marine Protected Areas (MPAs) off the Santa Barbara County coast. While MPAs serve as underwater parks, protecting the marine ecosystem for future generations, they also offer opportunities for breathtaking coastal recreation. Channelkeeper believes that establishing MPAs as eco-tourism destinations will not only bolster the local economy, but will also foster ocean stewardship. That's why we've been working with several local businesses to help realize the untapped eco-tourism potential of these special places.



Most recently, Channelkeeper hosted a dive trip with Truth Aquatics at the Naples MPA. Located just one mile offshore, Naples Reef provides impressively complex habitat and has some of the most diverse and productive sea life in all of southern California, including lobsters, sheephead, spider crabs, colorful nudibranchs, garibaldi, and an abundance of kelp fishes. Sign up for our e-newsletter at sbck.org/subscribe to be notified of future MPA eco-tour opportunities.



Photo by Stacey Janik on a Naples dive trip subsidized by Channelkeeper

### MPAs and the Oil Spill

MPAs have been called "hope spots" because they are our best hope for restoring the beauty and bounty of ocean life threatened by overfishing, pollution and habitat destruction. Unfortunately, the Plains All American Oil Spill has threatened the local marine ecosystem and the progress we've made in conserving these special places. Immediately after the spill, Channelkeeper took action to ensure the response agencies were properly safeguarding the nearby MPAs and to evaluate impacts to these MPAs by partnering with local researchers.

Oil spills can result in long-term ecological impacts which may take years to manifest, and which are impossible to identify by simple visual observation alone. Scientists will be evaluating these impacts to coastal ecosystems for years to come. A month after the spill, Channelkeeper dove the pinnacle reef in the Naples MPA to look for signs of oil accumulation and video-document our observations. Though it will likely be years before impacts to this place are truly known, our divers experienced incredible wildlife encounters and stunning underwater beauty, offering a glimmer of hope. Though fishing, tourism and recreation were negatively impacted by the spill and the temporary closures it caused, we hope our video inspires people to continue exploring our coastal MPAs. Check it out at youtube.com/Channelkeeper.

#### MPA Celebration!

Join us for our third annual MPA SPLASH event on October 17th! See page 12 for more info.

### Stream Team Data Reports

Channelkeeper recently released two reports summarizing our Ventura and Goleta Stream Team water quality data for the 2014 water year. The reports present the data in user-friendly graphs and tables to show how creek water quality measured up to applicable water quality standards from October 2013-September 2014. In both the Ventura River and Goleta Valley watersheds, a higher percentage of samples failed to meet water quality standards in 2014 than ever before in the history of our Stream Team Program (launched in 2000). You can download PDFs of the reports at sbck.org/StreamTeam.

# 2015 Blue Water Ball

Channelkeeper's 15th annual Blue Water Ball fundraising gala was our most successful ever, raising nearly \$140,000 for our work to protect and restore the Santa Barbara Channel and its watersheds!

At the event, which took place on May 2nd at Deckers' LEED-certified headquarters in Goleta, our 225 guests celebrated Channelkeeper's recent victories for clean water, shopped at our extensive silent auction, savored delicious local food and wines, and delighted in the beautiful sterling silver charm necklaces (designed and donated by Waxing Poetic) that awaited them at their tables.

The highlight of the evening was an inspiring keynote address by Robert F. Kennedy, Jr., who recounted the fascinating history of the Waterkeeper movement which took root in the Hudson River and has grown into a powerful force for clean water that spans six continents. He highlighted the fundamental importance of clean water to the health and prosperity of a community, and extolled the 250+ Waterkeepers across the globe that are fighting on the front lines - and winning - to protect their communities' right to clean water.

Channelkeeper would like to extend our heartfelt thanks to RFK, Jr. for his inspiration, to Angel Martinez, Chairman and CEO of Deckers, for hosting us, to John Palminteri, our animated and entertaining Master of Ceremonies, and to all our gracious guests, sponsors, auction donors, underwriters and volunteers who made this such a successful and memorable celebration.













Clockwise from top left: Robert F. Kennedy, Jr, Cheryl Hines, Kira Redmond and Frankie & Angel Martinez; John Palminteri, Talli Larrick and Valerie & John Powdrell; Ivana Firestone, Jenny Hecht, Lakey Petersen, Valerie Lando, Jenny Schatzle, Amanda Lee and Katie Shaw; Yvon Chouinard, Dan & Rae Emmett and Frank Morgan; Blaine Lando, Lakey Peterson, RFK Jr., Cheryl Hines and Travis Lee; Patti Pagliei, John Simpson and Stephanie Kheder



Robert F. Kennedy, Jr.

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#### **SAVE THE DATE!**

Our 16th Annual Blue Water Ball will take place on April 16th, 2016!

### Major Victory in Fight to Curb Agricultural Pollution

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attacked by the agricultural industry as draconian, and by Channelkeeper and our partners as insufficient to protect public health and the environment, sparking a series of lawsuits and appeals that have dragged out over the past three years.

The recent Court ruling is a major victory that will set the bar for how agricultural pollution is regulated throughout California. Channelkeeper will continue to stand up for strong regulations to protect our waterways and communities from the impacts of agricultural pollution, whether as an advocate in the policy process for a new Ag Order or as a plaintiff in any further appeals by the ag industry to overturn the ruling.

## Thank You to Our Donors

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Andrew Krupa

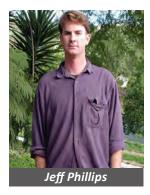
Civia Snow Mark Srednicki & Eloise Uranga Lynne Elisabeth Stark Nancy Steele Tidelines Penelope Tinker

Brian Trautwein Alice Van de Water Joseph Velasco Arthur & Helen Walker Duane & Louise Waln Scott Waters Lornie White Josephine Wideman Robert Wightman Cody Wilgus

Zoe Wood Ralph Zitnik & Mary-Louise Scully

\* In-kind donation

### Changes to the Channelkeeper Team











Channelkeeper bids a fond but sad farewell to Jeff Phillips, who recently resigned from our Board of Directors after nearly five years. As a biologist with the US Fish and Wildlife Service, Jeff has been extremely busy with the Plains All American Oil Spill response effort, but we are extremely grateful for his thoughtful and dedicated Board service and wish him all the best.

Channelkeeper will also be forever grateful to Chris Harlin, our rock star Stream Team intern for the past three years, who is moving on after graduating from UCSB with a Bachelor's in Chemistry. He has been an incredible asset to Channelkeeper, and his dedication, knowledge, and enthusiasm will be sorely missed. We wish Chris well in his future endeavors!

We are excited to welcome Jackson Cook as our new Stream Team intern in October. Jackson is a second-year UCSB student double-majoring in environmental studies and geohydrology, and will no doubt bring exciting new energy, passion, and expertise to our Stream Team Program.

Channelkeeper would also like to thank our interns Andrea Dransfield and Cody Wilgus for their contributions. Andrea's work focused on estimating how much water could be saved by banning lawns in the City of Santa Barbara. Stay tuned for the results from her analysis! Cody interned with us over the summer and will continue to work with us through next spring as part of the Channelkeeper-proposed Bren School Master's Group Project, "Not a Drop to Spare: Sustainable Water Supply Solutions for the South Coast."

### Channelkeeper Staff Appointed to Sanctuary Council & Creeks Commitee

Channelkeeper is thrilled to announce that Ben Pitterle, our Watershed and Marine Program Director, has been appointed as the Non-Consumptive Recreation representative on the Channel Islands National Marine Sanctuary Advisory Council. Ben's two-year term starts this September.

We're also proud that Penny Owens, our Education and Community Outreach Director, was appointed to serve on the City of Santa Barbara's Creeks Advisory Committee. Penny's four-year term started this January.

Ben and Penny bring a wealth of experience and enthusiasm and will serve our community well in these roles. Congratulations, Ben and Penny!







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#### **UPCOMING EVENTS**

#### 2016 SB Triathlon Beneficiary

Santa Barbara Channelkeeper is honored to be one of five non-profit organizations selected by Montecito Bank & Trust to vie for the privilege of becoming the beneficiary of the 2016 Santa Barbara Triathlon. The lucky winner will be the recipient of all donations raised by the athletes and the public, a goal set at \$25,000. Visit sbck.org to vote for Channelkeeper as the beneficiary before September 30th. A quick click from you and everyone you know (it's not necessary to live in Santa Barbara to vote) could get us over the finish line!



#### **MPA SPLASH! Event**

Join us for our third annual Marine Protected Area (MPA) Surf, Paddle, Learn And Swim Hangout (SPLASH) event on Saturday, October 17th from 11 am-2 pm at the park above Devereux Beach. We'll celebrate our MPA at Campus Point/IV Reef, explore its recreational potential, and do a group paddle-out. Bring your water gear of choice (surfboards, paddleboards, kayaks, or snorkels) and paddle out with us as we stage a Campus Point MPA aerial photo portrait. A limited number of kayaks and paddleboards will be available thanks to Santa Barbara Adventure Company and Channel Islands Outfitters. We'll also have live music, free food, and a drawing for paddle-out participants. To RSVP or for more information, call 805.563.3377 ext. 5.



#### **Stream Team**

Stream Team is Channelkeeper's volunteer-based water quality monitoring program. Every month, volunteers join Channelkeeper staff to test for common water quality parameters at numerous sites in the Ventura River and Goleta Valley watersheds. Come join us to help monitor and protect our local waterways. We host sampling events in Ventura on Saturdays at 9 am and in Goleta on Sundays at 10 am. Upcoming dates are October 10 & 11, November 7 & 8, and December 5 & 6. Email jennad@sbck.org or call 805.563.3377 ext. 5 for more information.



YOUR VOTE MATTERS!

Help raise \$25,000 for clean water by voting for Channelkeeper to be the 2016 SB Triathlon beneficiary Visit sbck.org to vote before September 30!