

Half the Ocean

NEWSLETTER 2010

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Ron Pulice

We are thrilled that **Ron Pulice** has joined the HTO Board and is co-chairing the Programs Committee with HTO executive director Hillary Hauser...**Steve Halsted**, a HTO director since 2001, has been elected Chairman of the HTO Board, overseeing the restructuring of Board operations. We thank **Graham Farrar** and **Dick Lamb** for their ten years of fantastic strategic and financial support to Heal the Ocean as directors, and wish them well in their new endeavors! **Graham Farrar** is now on the #1 Team at Network Hardware Resale (NHR), the largest vendor of pre-owned Cisco equipment (another HTO director emeritus, **Mike Lodato**, is also with NHR), and **Dick Lamb** is focusing on frequent trips to Rwanda, where he teaches business entrepreneurship.

Ava Everett, who worked with **Hillary** as "office" administrator in the very first days of Heal the Ocean when we didn't even have an office, is back in the office, putting positive, sunny energy into a lot of work!...**Helene Gardner**



Ava Everett



Helene Gardner, PhD, working on CEC issue for HTO

Gardner, a PhD in environmental toxicology, is now

working for HTO on the unhappily complicated issue of California state regulations of Contaminants (Chemicals) of Emerging Concern (CECs).



Mike deGruy

Big hugs to **HTO advisory board member Mike deGruy**, renown diver and filmmaker and fabulous stage personality, for stepping in on overnight notice to replace **Hillary** on stage at a Santa Barbara Cosmopolitan Club meeting when it became obvious Hillary's laryngitis wasn't going to allow her to speak – and thanks to Mike, too, for being our fabulous

emcee for our upcoming **6th Annual Benefit Concert** on October 9, 2010 at the Coral Casino!

A bonny farewell to **Maria Gordon**, manager of research for HTO's California Ocean Wastewater Discharge Report & Inventory (see page 5 of this newsletter), who in July 2010 left Santa Barbara to move back to her native England....We thank **Priya Verma**, HTO's former Science & Policy Analyst, for successfully completing HTO's Proposition 50 grant process with the State of California. On March 22, 2010 Priya filed the final paperwork for our study of the Montecito Sanitary District ocean outfall, a three-year project that fell smack into California's financial crisis when many Proposition 50 projects were stopped. HTO forged ahead, completed our work and turned in our report – all fully-funded on state-approved time!



Maria Gordon, chief researcher COWD report



UCSB intern Tony Langenback, researching for HTO



The NOGI

On November 18, 2010 in Las Vegas, the **Academy of Underwater Arts and Sciences** will present to HTO executive director **Hillary Hauser** the oldest and most prestigious award in the (scuba) diving industry – the celebrated **NOGI** (New Orleans Grand Isle) award. Called the "Oscar of the underwater world," the NOGI has been given to a list of ocean luminaries including **Jacques Cousteau, Jean-Michel Cousteau, James Cameron, Lloyd Bridges, Dr. Robert Ballard** and **Sylvia Earle**. Of the four categories awarded each year (Arts, Science, Sports/Education and Distinguished Service), Hillary is receiving hers for Distinguished Service.

Of the four categories awarded each year (Arts, Science, Sports/Education and Distinguished Service), Hillary is receiving hers for Distinguished Service.

HOORAY FOR THE "WOOCH GROUP"!



Fred Woocher, attorney par excellence of Strumwasser & Woocher, Santa Monica.

When all legal challenges to the Rincon portion of the South Coast Beach Communities Septic-to-Sewer project were settled in July 2008, HTO was left with a whopping legal bill for the (excellent!) work done by our attorney, Fred Woocher of Strumwasser & Woocher, Santa Monica. Because of the generosity of the following people, we were able to negotiate a settlement with Fred, arrange for payment stretched over a two-year period, and with funds coming 100% from the following donors, HTO has not had to siphon general operating funds to pay this legal invoice:

Rincon: Michael Byram & Ann Smead; Vincent & Deborah Burns; Al Clark; Michael Connell; Mary & Barnaby Conrad; Jean Dandona; Jim & Gunilla DeArkland; Dan & Rae Emmett; James Fullerton; Tom Giovine; Ron & Peggy Gouger; Steve & Carole Halsted; Ezra & Lauren Kest; Liza Jane MacNaughton, Henry & Judy Meyer; Thomas & Wendy Milovina; Richard & Caroline Nahas; Tom & Barbara Stevens; Kurt Warner; Paul Witt.

Sandyland: Tim Armour; Hannah Bradley; Lue Cramblit; Don Crocker; Laura Fox & Ben Van deBunt; William Guthy; Lachlan & Victoria Hough; Jodie Ireland; Kevin & Joan Knee, Signe Ostby; Carl & Susan Robertson; Nan & Howard Schow; Teri Taylor; Sherman & Marge Telleen.

Sandyland Cove (Sand Point): David & Lyn Anderson; Olivia Erschen & Steve Starkey; Peter & Nini Seaman.

BEST TO JONATHAN!



Jonathan Wygant

HTO extends its best wishes to **Jonathan Wygant**, who recently retired from the Board of Directors, where he has served since our beginnings in 1998. Jonathan remains in our thoughts every day.



COVER IMAGE BY RICHARD SALAS

A warm thank you to underwater photographer and author Richard Salas who graciously donated the cover art for this year's HTO newsletter and Pocket Guide. Salas' portraits connect local art lovers and nature enthusiasts with amazing creatures found off our own Channel Islands. www.seaoflight.net

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Hillary Hauser

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Newsletter Design

Michelle Perry/Graphic Traffic

Printed on recycled paper
with soy based inks

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HI FROM HILLARY



Recently we received a lovely e-mail from an official in the Department of Water Resources (DWR), Sacramento, praising Heal the Ocean for “lofty ideals” and perseverance.

This e-mail means much to us, because now that HTO has succeeded in big septic-to-sewer projects, we have been grappling with the issue of wastewater discharge into the ocean.

In strategizing an attack on this problem, the issue of California’s water shortage has become even more pronounced than it was in May 2009, when the State issued a Recycled Water Policy with the following warning: “California is facing an unprecedented water crisis.” Various task forces have since been appointed to look for more water – including the recycling of wastewater – as a means to provide or augment the fresh water the State sorely needs.

HTO now sees that recycling wastewater is the most expedient means of removing wastewater from the ocean. Instead of attacking wastewater treatment plants, we realize we need to work with them, to find funding so they can recycle wastewater instead of discharging it into the ocean.

Concurrent with this shift in our strategy has come a unique opportunity: HTO has been invited to serve on the Santa Barbara County Integrated Regional Water Management Planning (IRWMP) steering committee, whose purpose is to guide grant proposals to the State for consideration under Proposition 84, the Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond, passed by California voters in 2006.

HTO is the only non-profit environmental group on this committee, which is comprised of agencies from cities, Special Districts, water companies, Sanitary Districts and Joint Powers Entities. These are formidable committee-mates, and we often find the meetings intimidating. The layers of bureaucracy are thick and the road to getting a point across is not always clear.

We have kept at it, because wastewater recycling is a high priority to us and it is a high-priority project fundable by Proposition 84. During IRWMP meetings just past we brought up the subject at every opportunity, probably to the chagrin of some people.

We are glad we have kept doggedly at a goal we feel is right, even though the road has not always been clear.

But then an opportune moment came along: In July 2010 the Department of Water Resources finalized the Prop 84 IRWMP guidelines, and those guidelines provide funds for Planning Grants. A Planning Grant for the region could include a \$100,000 cost/feasibility study for wastewater recycling on the Santa Barbara south coast. With this, HTO began to bang away on our fellow IRWMP partners to support funding for such a study, and on a day in

August 2010 a vote was taken. The study was approved.

The significance of this study, to be completed and submitted to the State in September 2010, is that all

the wastewater plants in the document would be on the ground floor for funding of wastewater recycling projects during the next round of funding in Prop 84, expected to take place in 2012. There is \$10 million in that round.

HTO cannot help but feel encouraged about all this, and for the decision to participate in a helping campaign rather than an attack campaign. We are glad we have kept doggedly at a goal we feel is right, even though the road has not always been clear. That is why the e-mail from the DWR official, praising Heal the Ocean for “lofty ideals” and perseverance means much.

We thank you, our dear supporters, for making these lofty ideals attainable. You are the reason for our success.

Thank you for helping,



Hillary Hauser

Thank you, Poehler-Stremel Charitable Trust!

HTO extends its deep thanks to the Phyllis S. Poehler/Walter E. Stremel Charitable Trust, St. Paul, Minnesota, for the funds to publish this newsletter! We thank Bill, Pam & Lily Poehler of Santa Barbara (long-time HTO supporters) for extending their hand to introduce us to this wonderful funding source. We believe this is the best newsletter we've ever published

ISSUES...ISSUES...ISSUES...

The strength of Heal the Ocean's mission lies in our achievement of actual physical change to wastewater infrastructure that impacts the ocean. We are proud to give the following updates on construction schedules for infrastructure improvements that are taking place today because of work we've done in the past.

SOUTH COAST BEACH COMMUNITIES (RINCON) SEPTIC TO SEWER PROJECT

On August 2, 2010 Santa Barbara County Planning & Development approved Conditional Use and Coastal Development permits for the construction of public sewer lines to connect Sandyland and Sandyland Cove (Sand Point) homes to the Carpinteria Sanitary District (CSD).



Sandyland Cove

Permitting for the Rincon portion of the project is still underway at the time this newsletter went to press:

- CSD's encroachment permit application with Caltrans has had to be repackaged and supplemented, and was scheduled to be resubmitted to Caltrans in August 2010;
- The Phase 3 Archaeological Investigation called for in the Environmental Impact Report (EIR) for the Rincon project was being refined during August in a scope of work by CSD consultants;
- The project design for all areas within the project boundaries is essentially complete, including the design of the on-site improvements for each property, with a couple of exceptions;
- In Rincon, the pump station relocation (away from main gate) was being completed in August;
- User agreements, grants of easement for improvements, user information and project implementation information have been distributed to homeowners.

While the permitting hurdles have delayed the start of sewer construction, CSD expected to have the permitting completed in time to put the project out for construction bid toward the end of 2010. Building is expected to begin "in earnest" in the first half of 2011, with the anticipated timeline for construction about one year. The first six months of work will be outside the community(s) proper.

The \$2.1 million Proposition 84 grant to help pay the cost of the construction is still intact, and CSD has actually started to receive funds from the State on a quarterly basis. These monies are being deposited in a separate bank account, and at the completion of the project, homeowners in the project area will receive reimbursement from CSD of about 25% of their costs. (HTO helped CSD write the \$2.1 Proposition 84 grant to help homeowners pay for the cost of the project, and went to Sacramento to lobby for it.)

HTO has worked on the South Coast Beach Communities septic-to-sewer project since we formed in 1998, because with our research we are convinced the removal of septic systems from 7 miles of coastline (and areas of high groundwater) will help the ocean. We thank CSD for "hanging in there" during the rough permitting processes, and look forward to sewer construction starting soon.



OTHER BUSINESS...

HTO completed its public records act (PRA) request from the City of Santa Barbara on studies and engineering reports prepared on the **Old Class II landfill on Santa Barbara's waterfront**. Occupying 120 acres, this is an unlined landfill that drains into gutters and curbing, storm drains and ditches – and the Laguna Channel. While studying and mapping the area, HTO

discovered that the City had not been filing the required monitoring reports, or the required Wet Weather Preparedness reports with the Regional Water Quality Control Board (RWQCB). We are in the process of reviewing the documents...In August 2010, HTO met with Santa Barbara wastewater officials to review the City's proposed action on its **Sewer Lateral Inspection Program (SLIP)**, which gives financial incentives to homeowners to have

their sewer laterals inspected and repaired. The City initiated the SLIP program in 2004 after HTO and other groups lobbied for a sewer lateral ordinance, and the program became hugely successful; originally budgeted at \$250K per year, it blossomed to \$900K per year. The city officials met with us to discuss a proposal that the budget for SLIP return to its original amount, \$250K, with the remainder going to the maintenance of the city's sewer main.



GOLETA SANITARY DISTRICT

Continuing on schedule to move its facility to full secondary sewage treatment levels, the Goleta Sanitary District (GSD) will reach 100 percent of its design by September 30, 2010. The District is using "green" design and building techniques wherever reasonable – including the use of renewable energy, such as solar energy.

Here is the schedule for the last remaining steps of upgrade:

9/30/2010	100% Design
12/31/2010	Submittal to Regional Water Quality Control Board proof of all necessary construction financing secured, including compliance with Proposition 218 (homeowner vote/approval);
4/30/2011	Issue notice to Proceed to Contractor
Quarterly	Construction Progress Reports
4/30/2014	Complete Construction and Commence Debugging & Startup
11/1/2014	Full Compliance with Secondary Requirements

In 2002, Heal the Ocean defeated GSD's application for another five-year 301(h) waiver, which would have allowed the wastewater plant to continue discharging a blend of primary and secondary-treated sewage into the ocean off Goleta Beach. It took us two years of legal work, and finally we were able to overturn GSD's appeal of the secondary upgrade ruling at the State Water Resources Control Board in Sacramento.

It took a fight to get this upgrade, but HTO also joins hands with sanitary districts to help them get funding for upgrade. In our role on the Integrated Regional Water Management Plan steering committee (see page 7 of this newsletter), HTO successfully lobbied for \$500,000 of Proposition 84 funds to be allocated to the total cost of GSD upgrade. Of the \$50 million project, GSD's part is about \$24 million. Goleta West Sanitary District is paying about 40% of cost, with the balance shared by Isla Vista, UCSB and the Santa Barbara Airport.



HTO'S CALIFORNIA OCEAN WASTEWATER DISCHARGE REPORT AND INVENTORY

On March 15, 2010, Heal the Ocean released its *Ocean Wastewater Discharge in the State of California Report and Inventory*, a survey of wastewater discharged into the Pacific Ocean along the California coast from the Oregon border to San Diego/Tijuana.

The facts in the *Report and Inventory* were originally researched by former HTO policy analyst Priya Verma, and in 2009, when Priya went back full time to UCSB to work on her doctorate, the *Report and Inventory* work was picked up by Researcher/Editor/Writer Maria Gordon, who in turn brought in research assistant Katherine Engel and interns Anthony Langenback and William Harryman, to update and greatly expand HTO's previous (2005) report on California wastewater discharge.

HTO has posted on its website a Google "fly-to" map that allows for easy navigation to California wastewater treatment plants and their ocean outfalls, with drop-down menus that give detailed information of both – volume, depth of outfall and distance from shore. <http://www.healtheocean.org/research/wdi/resources>. In addition, we commissioned interactive on-line maps from Dr. David Greenberg of the UCSB Marine Science Institute that gives additional information about discharges into marine sanctuaries and Areas of Special Biological Significance (ASBSs), as well as locations of 303(d) impaired beaches in relationship to ocean outfalls <http://maps8.msi.ucsb.edu/HTO>.

Also commissioned by HTO from Dr. Greenberg are 303(d) beach maps, preceded by a table summarizing the number of 303(d) beaches per pollutant type per regional

board, in PDF, now posted on one of MSI's servers. These maps can be downloaded at: http://marinemap.org/~greenber/303d_maps.pdf

The HTO *Report and Inventory* puts into perspective the awful fact that, although California faces an increasing population, dwindling water resources, and drought conditions, and even though State legislators have decreed that by the year 2020 California must reduce its water use and find new water sources, California coastal communities are *flushing 1.3 billion gallons* of fresh (drinking water) daily into the sea, for the purpose of discharging 134 tons of treated waste.

The *Report and Inventory* examines this outdated practice in minute detail, and in addition the data in the report include the following:

- * No official monitoring or limits are in place for resistant bacterial genetic material, viruses, and pharmaceutical and personal care pollutants in wastewater.

- * The use of chemicals in consumer products has increased – and currently accepted treatment protocol does not completely remove these contaminants from wastewater.

- * This means that personal care products, drugs, antibiotics, and many other chemicals – called Contaminants/Chemicals of Emerging Concern (CECs) are escaping directly into the ocean (and rivers and lakes and groundwater) – every day. These contaminants are making their way into the environment and into sea life and humans.

- * HTO's *Report and Inventory* discusses wastewater treatment methods that remove specific CECs. It discusses the need to remove CECs before reclaimed water is discharged into the

ocean and groundwater, and the need to remove CECs from biosolids now used on agricultural crops.

- * The report outlines the need for technology to reclaim all wastewater, and how reclamation of water can end ocean discharges.

- * The *Report and Inventory* gives details about the volumes of wastewater discharged, location of outfalls (depth of water/distance from shore), and an assessment of California's reporting and compliance systems.

- * This is the first time this information has been gathered into one resource, ever.

The *Report and Inventory* is intended to be a valuable resource for the public agencies charged with ocean water quality, as well as an educational tool for wastewater regulators and policy makers. Heal the Ocean has now embarked on a 4-pronged political and public relations campaign to argue for increased State and private funding for upgrade of wastewater treatment plants to produce recycled water, by doing the following:

- * Extend Montecito Outfall study for more data;

- * Advocate stricter State controls on Chemicals of Emerging Concern (CECs);

- * Gain seat on Steering Committee for Santa Barbara County's Integrated Regional Water Management Plan (IRWMP);

- * Publish *HTO Pocket Guide to Chemicals of Emerging Concern* to advance source control in the interim.

Please turn the page to read the details of our 4-point strategy!



COMMENTS FROM THE MEDIA:

"A sweeping report...an unprecedented look at the inherent and often overlooked shortcomings of our collective wastewater habits..."

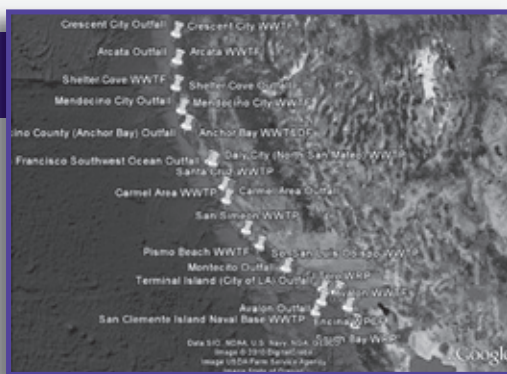
Santa Barbara Independent March 18, 2010

"The study called the use of potable water for waste disposal, and its subsequent discharge into the ocean, an outdated practice that is clearly a poor use of water and marine resources."

Solutions for Green, March 16, 2010

"Reclaimed water should be top priority, the report finds..."

Santa Barbara Daily Sound, March 16, 2010



A Google "Fly-To" map, created by Katherine Engel and posted on HTO's website, allows users to click on California wastewater treatment plants and their ocean outfalls, to learn what each WWTP is discharging into the ocean and where (depth of water, distance from shore).

HTO'S 4-POINT STRATEGY FOR OUR WORK ON KEEPING WASTEWATER OUT OF THE OCEAN

In December 2008 the State Water Resources Control Board (SWRCB) adopted a Recycled Water Policy for California as part of its 2008–2012 Strategic Plan. This policy gives priority to “Promoting Sustainable Local Water Supplies” and emphasizes the use of not only recycled storm water, but wastewater, too.

In February 2009 California Gov. Arnold Schwarzenegger proclaimed a drought emergency and introduced the “20–20” plan: by the year 2020, Californians are to cut water use by 20% and to increase water sources by 20%. With coastal cities in California pumping 1.3 billion gallons of fresh (drinking) water into the ocean every day for the purpose of disposing treated

waste into the Pacific Ocean, eliminating this practice is a good place to start a reversal of the water we waste.

What does this mean to HTO and our campaign to get wastewater out of the ocean? Now that discharging wastewater into the ocean is recognized as a waste of an important resource, it means that wastewater recycling must be increased. There are funding mechanisms for upgrade of Wastewater Treatment Plants (WWTPs) to accomplish this, and HTO is seeking such funding sources – state, federal or private – for such upgrade, starting with Santa Barbara. It is a tall order, but keeping wastewater out of the ocean is one of our main missions, and we have developed a 4-point strategy, as follows:

1 MONTECITO OUTFALL – ADDITIONAL STUDY

Heal the Ocean's Short Ocean Wastewater Outfall Sewer Tracking (SOWOST) Project is an important oceanographic/microbiological study aimed at understanding the composition, fate and transport of a wastewater plume discharged in shallow water. Funded by a \$330,000 State Proposition 50 grant and under contract to HTO, the scientists – oceanographers Carter Ohlmann and Libe Washburn, and microbiologist Trish Holden studied the movement and characteristics of wastewater effluent from the Montecito Sanitary District (MSD) outfall, 1,100 feet off Butterfly Beach, in 30 ft. of water. From November 2007 to November 2008, the scientists visited the outfall on a weekly basis to gather samples as well as oceanographic data.

Under terms of the grant, the final report was turned in to the State at the end of 2009, but state funding freezes had temporarily stalled the full analysis of scientific data collected. Particularly missing was a full analyses of the PhyloChip information gathered from the water samples during the period of the study.

A generous grant to Heal the Ocean from the Johnson Ohana Charitable Foundation (JOCF) has enabled the UCSB scientists to completely finish the work.

In July 2010 the scientists reported they had found *Lachnospiraceae* (a bacteria known to exist in the gut of warm blooded animals, i.e. human waste) in the effluent, at the (outfall) diffuser and following GIS drifters launched into the ocean to track effluent movement. This particular human-related bacteria was found not only at the diffuser site but at the shoreline, and not anywhere else in the ocean where the effluent does not go.

This one taxon, only distinguishable through PhyloChip analysis, provides an extremely sensitive mechanism for identifying sewage effluent in the ocean. The MSD effluent surfaces within one half hour after being discharged from the diffuser (30 ft. deep). The effluent reaches the surf zone along a 3– km span of shoreline directly inshore of the diffuser and diluted 250-fold with ocean water.

The UCSB scientists are in the process of writing a paper that will be peer-reviewed in anticipation of a 2011 publication in *Environmental Science and Technology*.



2 GETTING TOUGH ON CECS

Chemicals of Emerging Concern (CECs) are chemicals that escape standard secondary wastewater treatment and therefore end up in the ocean, in the environment, in all marine life and in people. These include flame retardants, plastics by-products, paints and many personal care products.

The State Water Resources Control Board (SWRCB) is developing monitoring standards for CECs in recycled water and, eventually, effluents discharged into the environment. To prepare for hearings that will consider such standards, the SWRCB has commissioned the Southern California Coastal Water Research Project (SCCWRP) to host and convene a panel of experts to address monitoring strategies for CECs, and Heal the Ocean attended these hearings at SCCWRP headquarters in Costa Mesa, Calif.

In the final analysis we do not believe the SCCWRP panel has produced a report that is adequate, in that it recommends the monitoring of 3 or 4 chemicals when there are hundreds (!) that need to be monitored – such as Orange County Water District is doing with its recycled water. Helene Gardner, a PhD in environmental toxicology, has been contracted by HTO to address this report, and we are preparing for a SWRCB hearing that is likely to be scheduled in fall 2010 in Sacramento.

HTO will be at that hearing to argue for stricter standards for monitoring. We believe it is imperative that action be taken sooner rather than later, in that the health of citizens is at risk because of the chemicals referenced in the draft report. We also believe the production of recycled water must go “all the way” – to be purified completely so that it can be used for anything – irrigation, fire suppression, watering of agricultural fields, parks and golf courses – without introducing human health hazards and/or contaminating the environment.



ORIGINS OF HEAL THE OCEAN

Heal the Ocean started in August 1998 following the publication of a Santa Barbara News-Press editorial by Hillary Hauser. Read this “Genesis” article on our website www.HealTheOcean.org.

3 HTO SEATED ON IRWMP STEERING COMMITTEE

HTO is now serving on the Santa Barbara County Integrated Regional Water Management Planning (IRWMP) steering committee, whose purpose is to guide grant proposals to the State of California for consideration under Proposition 84, the Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond, passed by the voters in 2006.

The IRWMP steering committee is comprised of various agencies from cities, Special Districts, water companies, Sanitary Districts and Joint Powers Entities. HTO is the only non-profit environmental group on the committee, a role we take seriously as a means to find funding for projects that can have a positive impact on ocean water quality. Among issues of statewide importance for Prop 84 funding is wastewater reclamation/recycling.

Of the \$5.38 billion provided through Prop 84 statewide, \$1 billion is reserved for IRWMP. Of this amount, \$900 million is earmarked for the 11 Funding Areas (Regions). The Central Coast allocation (which includes Santa Barbara County) amounts to \$52 million. These funds are being dispersed through four separate funding cycles. In Round 1, \$5.8 million was available to the Central Coast region for a variety of projects, and in June 2010 the steering committee picked 8 projects for this first round. The Goleta Sanitary District was selected for assistance in financing its treatment upgrade to full secondary, and a Recycled Water Feasibility Study for the City of Guadalupe was also selected.

In serving on the IRWMP steering committee, HTO is positioning itself to act as a conduit/facilitator between area wastewater treatment plants (WWTPs) and funding resources. We are looking forward to continued involvement in the IRWMP process! ☀

4 HTO POCKET GUIDE – SOURCE CONTROL

Heal the Ocean's Pocket Guide for Chemicals of Emerging Concern (CECs) is a wallet-sized pamphlet we hope you will use. While science, wastewater treatment and funding catches up to methods of keeping chemicals out of the environment, "source control" means that we don't buy products that put damaging chemicals into the waste stream in the first place!

To that end, and with the help of a generous grant from Poehler-Stremel Charitable Trust, St. Paul, Minn., HTO has published this Pocket Guide to help you in the choices you make about purchasing items that may end up down your drain and into the ocean.

We compiled this list of chemicals found in household products, including fabrics, flea products (for dogs), pharmaceuticals, fabrics, plastic storageware and personal care products. These chemicals enter domestic wastewater in numerous ways not thought of – dishwasher washing of plastics, U.S.-made children's pajamas in the washing machine, shampooing or dyeing of the hair.

Chemicals listed in the Pocket Guide go down the drain, are not completely removed by wastewater treatment, and are considered by the state of California to be toxic to aquatic organisms. While wastewater treatment takes some time to improve, let us all, in the meantime, use "source control" – not buying these products and being aware of our own practices so that these chemicals don't go down our drains! ☀



Heal the Ocean thanks the Poehler-Stremel Charitable Trust, St. Paul, Minnesota, for the grant funding to publish the Pocket Guide.

Excerpt Recommendations from Heal The Ocean's California Ocean Wastewater Discharge Report and Inventory

(These recommendations form the basis of HTO's current wastewater campaign!)

- Recommendation 1:** Improve and upgrade existing wastewater treatment plants.
- Recommendation 2:** Increase the use of reclaimed water as a more economic alternative to potable water for non-potable uses.
- Recommendation 3:** Make public education and consumer awareness a priority.
- Recommendation 4:** Support and increase efforts to prevent pollution at source.
- Recommendation 5:** Revise legislation and regulation as soon as possible to overcome barriers to use.
- Recommendation 6:** Support and expand collaborative planning and research.
- Recommendation 7:** Provide government support and funding mechanisms.
- Recommendation 8:** Revise the reporting protocols of the State Water Resources Control Board (SWRCB) and attendant regional boards.



A Taste of what's to come!



Scene of HTO's May 20 party – a Wilson/Maienza designed home

photo by Jim Bartsch

Julia Louis-Dreyfus



Mike deGruy, emcee for 2010



SCENES FROM LAST YEAR...

A beautiful ocean and the sound of the waves accompanied Heal the Ocean's 5th Annual Benefit Concert at the Coral Casino on September 26, 2009...Guests enjoyed cocktails and hors d'oeuvres on the oceanfront patio while being serenaded by **Pone and Jethro – Palmer Jackson and John Simpson**. Local KEYT broadcaster **John Palminteri** called the guests to dinner and served as emcee for the evening's lively program...**Julia Louis-Dreyfus** once again graciously acted as hostess and kept the filled-to-capacity audience laughing as she discussed recent news events. "The economy tanked, we have no health-care bill yet, but there was one bright spot – my dress at the Emmy's got some very good press, and I might add, Heal the Ocean had a banner year."...Executive director **Hillary Hauser** reported on HTO



E F I T C O N C E R T

COUNTDOWN TO 6TH ANNUAL CONCERT HAS BEGUN!!

October 9, 2010 is the date, and the magnificent architect/design team of John Maienza & Gregg Wilson is heading up HTO's 6th Annual Benefit Concert Committee.

Already the party has begun! On May 20, 2010, John and Gregg held a gathering for HTO patrons and sponsors at one of their most spectacular properties in Montecito, California... (sample a bit of their creative talent on their site www.globallygorgeous.com)...to serve as an appetizer for our next Benefit Concert – **October 9, 2010** – again at the beautiful Coral Casino! This year will feature a fast-moving high-tech show designed by the **Maienza/Wilson** team and executed by the 2010 Event Committee – **Heather Hudson Crummer, Hilary Doubleday, Dana Klakeg, Francoise Park, Anne Pazier, Molly Sequel, Jessica Risko Smith, Shannon Venable, and Susan Venable**, who are working hard with planner **Shannon Trotta** to actualize the

Maienza/Wilson design for this exciting show! Particular thanks go to internationally known artist **Susan Venable**, who is designing all the “kelpy” print material... This year features exotic cuisine (sit-down dinner, a fantastic drink called “Low Tide,” and after the dancing starts, a dessert table of many exquisite ocean-looking creations to help yourself to! Once again we will be greeted by our wonderfully funny honorary host, **Julia Louis-Dreyfus**... and the fast-paced program will be emceed by celebrated underwater filmmaker and stage persona **Mike deGruy**! There are always musical surprises at Heal the Ocean annual events, and we look forward to having a few to share with you... We have already sold many tables, and by the time this newsletter is in your hands we may be nearly sold out! So please contact the HTO office immediately if you would like to attend. Thank you! ☀



*Don't miss out on
The next
Heal the Ocean
Benefit Concert – on
October 9, 2010!*

work, and **Jean-Michel Cousteau** spoke about the increasing dangers facing our oceans. The lively Ask gave high bidders specially-designed jewelry by **Jes MaHarry**, beautiful photographic sea books by **Richard Salas**, and gorgeous magnums of wine donated by **Melville Winery** (Melville, along with **Alma Rosa Winery** donated cases of wonderful wine to the evening)... Following the Live Auction, which brought to HTO the highest funds ever (thanks to auctioneer **Larry Zucker**), the evening opened up to the **Big & Fabulous Fish Show**

as choreographed and produced by **Matthew McAvene** and his amazing crew of dancers, Brazilian drummers and puppeteers, who led the audience inside to dance to the music of **Culver City Dub Collective**, and New Zealand's **Black Seeds** on their first U.S. tour...! It was a wild and fun evening, oceans of fun! Thank you, **Dawn Sherry & Paul Noury** for the *Grand Times* trip, thank you **John Maienza & Gregg Wilson** for donating your beautiful Hawaii house, thank you **Charlie Munger, Rachel & King Williams** for giving the *Channel Cat* party cruise, thank you, one and all! ☀

Photo captions from left to right:
John Palminteri, emcee
Jana Young & Hillary Hauser
Nancy the sea nymph Rafflette
Matthew McAvene & Jean-Michel Cousteau



Photo captions above from left to right:
McAvene fish creations
HTO Rafflettes
Jes MaHarry

all photos by Doug Cummings & Branden Aroyan

THANK YOU, FUNDRAISERS!

Heal the Ocean is forever thankful to those individuals and organizations who come to us with their own ideas and plans for fundraising for us! We love the originality that goes into the fundraising events, sometimes without our knowing they're even cooking up such plans. Internationally recognized artist/jeweler **Jes MaHarry** contacted us just weeks before our 2009 Benefit Concert – and offered us an armload of her exquisitely made HTO bracelets – featuring silver medallions bearing an artful octopus on one side, “Guardian of the Ocean” on the other. These were given to all attendees who bid a certain amount during our “Ask” campaign at the event – and HTO made more than we ever have at any “Ask”! Thank you, Jes!...We thank **Moms in Motion** and the incredible **Anne Pazier** for organizing and staging the most outrageous hugely fun event for HTO called “**Surf the Urban Wine Trail**” – now, two years in a row (the last one on **August 20, 2010**). Party attendees showed up in Santa Barbara’s “Funk Zone” where many wonderful wineries are located, were given a map to follow from winery to winery, to taste both fabulous wines and hors d’oeuvres from various restaurants, ending at the final destination for outdoor music and dancing! These events, which raise a sizeable sum for HTO, have become annual,



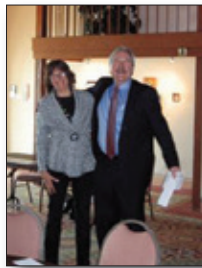
Jes MaHarry at HTO's 2009 Benefit



Moms in Motion's outrageously fun Surf the Urban Wine Trail event for HTO took place on August 20, 2010 and was a huge success!

and we can't thank the **Moms**, and **Anne**, enough...*grazie!* Thank you, **Sotheby's International Realty**, for choosing HTO as one of four Santa Barbara non-profits to be given the proceeds of your one-year (2009) collection of a portion of your real estate commissions! We are not only in awe of the sizable donation you made to us, we are proud to be honored along with CASA,

Santa Barbara Food Bank and Transition House!...Brava, brava and thank you, dear **Maile Ellington**, well-known jeweler of precious stones, for the percentage of proceeds from your “Open Door” Thursday sale...Thank you, **Piatti Restaurant**, Montecito, for your 20th Anniversary celebration, in which you donated 20% of your proceeds for the day (and night) to HTO!...Thank you **Wendy Foster**, for selling HTO T-shirts in your wonderful stores!



Hillary receives donation for HTO from Greg Tice of Sotheby's International Realty

Always, we thank **Patagonia** for its ongoing employee matching program that benefits us, we thank **FLIR Corporation** for its giving plan in which employees give from their paychecks to HTO. And once again we thank **Jack and Kim Johnson** for their

All at Once Foundation, which has benefited HTO as well as so many environmental groups around the world that participate in **The Village Green** gatherings at each of Jack's world tour stops – including the **Santa Barbara Bowl on October 13 & 14, 2010**. We are proud to be included with other Santa Barbara non-profits in this fun program, and are happy to set up our table to raise awareness for HTO's programs, including our **Junior Council Doggie Bag** program! Mahalo, one and all!



HTO's Ruston Slager and Ava Everett with Jack Johnson, at a Jack Johnson Village Green THANK YOU, FUNDRAISERS!



HTO FLAGS ON STATE STREET!

We are always so happy to see the Heal the Ocean flags flying on State Street, which this year was August 16-27, 2010!



Heal the Ocean flags are favorites of the State Street flag program.

When we were invited by the Santa Barbara Downtown Organization to join the State Street Flag Program, we were thrilled...we have been the only environmental organization flying on State Street. Also, our birthday is August 19, and our assigned dates encompass the milestone day – and this year we celebrated 12 years!

Hillary Hauser and Santa Barbara attorney Jeffrey Young co-founded Heal the Ocean on August 19, 1998 after Hillary's editorial in the Santa Barbara News-Press sparked a public protest over closed beaches in Santa Barbara. HTO is proud of our lasting power, and the fact that our organization has affected ocean policy not only in Santa Barbara but the state of California.

The Heal the Ocean logo, created by HTO founding member Chris Wilkinson of E-Wave, combines sun, mountain, river and ocean to indicate the interconnectedness of all things to the sea – and to the happy dolphins. The flag design was created by architect Steve Hausz from Wilkinson's original logo.



KEEPING HTO TURNED ON AND OUT THERE!

Gigantic thanks to **Sarah Struck** for her donation of time and super-creative talent to put out HTO's E-letter every month (or so)! Sarah came to us voluntarily, and her smiling dedication to deliver our message is an inspiration to us, always reminding us to get our message out!...Ditto to **Jacob Tell** and all the great crew at **Oniracom**, who not only donate immeasurable time to HTO's website, but who also organize many of the entertainments we put on for our organization. There has been **Matthew McAvene's** “Fabulous Fish Show” for our 2009 Benefit Concert (as well as orchestration of the stage event for the Black Seeds and Culver City Dub). There was the huge “Solutions for Dreamers” festival Oniracom staged in February 2007 for HTO that brought **Michael Franti/Spearhead**, **Jack Johnson**, and **Zach Gill & Animal Liberation Orchestra** and **Culver City Dub** to the Arlington Theatre – a show punctuated with fish puppets by **Matthew McAvene**, wild costumes by **Paul McAvene**, and confetti that fell from the ceiling

during the grand finale! **Jacob, Sean, Mike, Brendan** et al have worked on launching **HTO's Junior Council** website, and they are always working to install our latest research and news on our main website. This is while they are managing websites and tour announcements for major artists like **Jack Johnson, Matisyahu and Counting Crows**, and so many others...Jacob continues to post on our website the wonderful Doggie Donors who are buying Doggie Bags (at 6 cents each, a \$60 donation buys 1,000 bags). Jesse of Miramar Beach was the first Doggie Donor and has become HTO's poster Dog!



Jesse of Miramar Beach – HTO's poster dog!



Heal the Ocean JUNIOR COUNCIL

Heal the Ocean's Junior Council is an exciting new group of ocean activists that came together in early 2010 in an oceanic combustion of brainstorming by Kim Busch, Paula Stussy and Lindsay McTavish, who envisioned a unique educational program for local area high school students, designed to expose students to current environmental issues, to develop leadership skills and motivate their peers to participate in community service activities.

The first meeting of the Junior Council took place at Kim and Andy Busch's home in March 2010, where executive director Hillary Hauser welcomed the group, and its work, to the cause of Heal the Ocean.

A short time later, the HTO office began receiving calls about the dog-waste bag dispensers at south Santa Barbara County beaches being empty because of the County's lack of funds. The HTO JC stepped up to the plate and voted unanimously to take on the job, not only to stock the dispensers, but to hold fundraisers to raise the money to by the biodegradable dog-waste bags!

In June 2010 a special media event was held at Butterfly Beach in Montecito, where the Junior Council was greeted and thanked by Santa Barbara County 1st District Supervisor Salud Carbajal and 2nd District Supervisor Janet Wolf, Board Chair, in an official announcement of the collaborative partnership. "To bring a group of teenagers together and have them so motivated, in so short a time, it's truly an inspiration," Ms. Wolf said.

Mr. Carbajal added, "These are difficult times for government in our country, and to have these kids take charge bodes well for our

future. I want to thank and celebrate you guys for stepping up and modeling the way."

The HTO Junior Council Steering Committee – Kim Busch, Stacy Pulice and Paula Stussy – liaisons with the HTO Board of Directors to keep HTO's mission in its sight. Huge thanks go to the Andrew Busch Family Foundation for contributing the initial funds to buy the entirely biodegradable dog bags!

In August, **Jack and Kim Johnson** and their **All at Once Foundation** offered a \$2,500 matching grant to local environmental groups for whatever project(s) they were working on. Heal the Ocean invited "Doggie Donors" to buy 1,000 bags (for \$60), with **Jack Johnson** matching it with another 1,000 Doggie Bags. We were flooded with Doggie Bags, and met our match in less than a week! Pictures of Doggie Donors (some with their owners) are posted on HTO's website

http://www.healtheocean.org/library/hillary/jack_johnson_will_double/. Have a look – some of the photos are hilarious! And please continue to donate to this program, because doggies continue to need their bags!

The HTO Board of Directors shouts a mighty bravissimo to the Junior Council volunteers, including: Andy Busch, Max deGruy, McKenna Hogue, Hannah Koper, Rose Koper, Ben Kwock, Monica Lodato, Austin Lokre, Remy Pulice, Cecily Sanchez, Elise Scheuermann, Penn Stussy, Charlie Taylor, and Jordan Zola.

The Junior Council now has its own website, and news, at www.htojuniorcouncil.org. Please go there to see how you can help raise funds for the biodegradable dog bags. ☀️



*HTO Junior Council at its first (March 2010) meeting
Front Row (L to R): Cecily Sanchez, Elise Scheuermann,
Hannah Koper, Max deGruy, Rose Koper, Caleigh
Hernandez; Back Row: Monica Lodato, McKenna Hogue,
Charlie Taylor, Penn Stussy, Andy Busch, Austin Lokre;
Not pictured: Ben Kwock, Remi Pulice, Jordan Zola
(Photo by Lindsay McTavish)*



*The HTO Junior Council Steering Committee, L to R: Kim
Busch, Paula Stussy, and Stacy Pulice. (Photo by Thomas Dabney)*



*At Butterfly Beach the HTO Junior Council is being thanked
by 2nd District Supervisor Janet Wolf (far left) and 1st
District Supervisor Salud Carbajal, far right (Hawaiian
shirt). (Photo by Thomas Dabney)*

HTO PLATFORM

The following five areas are contained in HTO's mission statement:

- * Sewage – no pathogens in discharge
- * Septic systems – remove from improper areas
- * Non-Point Pollution/Storm Water
- * Ocean dumping
- * Leaching landfills & dumps

The County parks, beaches and open space areas included in the new HTO-JC/County partnership are:

First District Locations: Lookout Park, Oceanview Park & Loon Point in Summerland; Miramar Beach steps, Hammonds trail, Posilipo Lane Beach Access, Butterfly Beach & Toro Canyon Park in Montecito.

Second District Locations: Goleta Beach and the following areas in Goleta: Tucker's Grove Park, Tabano Hollow Open Space, Tarragona Open Space, University Circle Open Space, and Patterson Open Space.

With Deep Appreciation

Heal the Ocean sends its sincere thanks to these contributors who have helped assure the success of our campaign for a clean and healthy ocean. This roster records donations made from January 2009 to the present. If your name has been omitted, we sincerely apologize and ask that you please call (805) 965-7570 so that we can correct our records.

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\$40,000 and up

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Kathleen Duval
Sylvelin Edgerton
Jerry Edrosolan
Marsha & John Elleston
Neil Elliott
Glenn D. Engel
Janet V. Eyre
Tracy Fernandez & Hyla Fetler
Susan Fielder
In honor of Tommy Fielder
Daniel Frank
Randy Freedman & Jennifer Freed
Christopher & Kathy Gallo
Andrew & Konnie Gault, Jr.
In memory of Janet Rution

Harris Gelberg, M.D.
Laurie & George Glerum
In memory of Shirley Tanner
Joe & Barbara Godley
Eyal Goldmann
Billy & Lin Goodnick
Charlie Graham
Juliette Haggh/
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Andree Harmer
In memory of Don Harmer,
Ocean Lover
Charlene Harris
Steve Hausz
Eva Marie Saint & Jeffrey Hayden
Beverly & Preston Holmes
Frank Lee Hood
Annemarie Horner
Christopher Houwen
Warren & Dorothy Hull
In memory of Dean Jensen
Roberta Issaris
In memory of Steve Issaris
Sara Jaqua
Linda Jones
Gretchen & Jeff Jones/
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Craig Joujon-Roche
In memory of Edward Joujon-Roche
Mary King
Randall & Jane King
Eric & Francine Kirsch
Kurt & Tricia Koenig
Linda Krop
Theresa LaFond
David & Sharon Landecker
Robert (Rob) & Mary Ann Latham
Robert & Ellen Lawson/
Lawson Family Living Trust
Deborah J. Lee
Wendy Lee
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Nancy Lemire
In memory of Dean Jensen
Lori Lenz
Patricia Lobenberg
Barbara Loebman
Candace Lunsford/
a Jalama Beach friend
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Virginia Marshall
Tyler Mayer
Robert & Patricia Mayer/
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Clare Montana PhD &
Warren Newswanger M.D.
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In honor of Dr. Don Reed
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John Oesterle
Bill & Tina Palmisano
Monique Perez
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Hugh & Karen Twibell
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Robert & Yasmin Vatter
Christy & John Venable
In memory of Karin Young
Nancy Vogel
Rick & Laura Vopatek
Lois Waldref
Nathan Weber
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Blair & Heidi Whitney
Nancy Wilkinson
Theresa Yandell
Susan Yates
In memory of Brandon Yates
Ruben & Irene Ynzunza
Lisa J. Young
Cynthia Ziegler

In-Kind Donations

Alma Rosa Winery
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Thomas Dabney
Graphic Traffic
Hillary Hauser
Holland America Line
Palmer Jackson & John Simpson
Jack & Kim Johnson/
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Jes MaHarry
Matthew McAvene
Ron & Donna Melville/
Melville Winery
Charlie & Nancy Munger/
Channel Cat
Paul Noury & Dawn Sherry/
Le Grand Times
Marie Ofria/Sunburst Printers
Paddle Sports of Santa Barbara
John Palminteri
Stand up Paddle Sports
Jacob Tell & Oniric Records crew
Ty Warner Hotels & Resorts
Capt. King Williams & Rachel
Williams/Channel Cat

HTO Junior Council Doggie Bag Program

Anonymous
Rob & Manuela Cavaness
Darlene Chirman
Deborah Clark
Natalie Cutler
Jim & Gunilla DeArkland
Mimi deGruy
Anne Doubilet
Laurie Glerum
Hillary Hauser
Sarah Kass
Dawn Lafitte
Laura Lodato
Kimberly Lowell
Gary Simpson
Teri Taylor
Susan Venable
Jana Young

Call for E-Mail addresses

If you would like to receive electronic notices from HTO about upcoming events, please e-mail your e-mail address to us: info@healthocean.org. In particular, please let us know if you are interested in receiving our monthly E-letters!

☀ Remembering Special People...

Heal the Ocean cherishes each and every one of our members, and we are sad when we lose those who are dear to us.



Hughes Morton, with Cece, James & Caitlyn

Hughes Morton was one of Heal the Ocean's favorite friends, always helping us, joining us and encouraging us.

He was truly a man of the sea – loved surfing, diving, free-diving for lobsters, hanging with his family – Cece, James and Caitlyn, at their Sandyland Cove beach house. When the word went out in February 2010 that Hughes had unexpectedly passed away, many of his friends instantly gathered at Miramar Beach, to paddle out into the ocean together, join hands and mourn. Hughes contributed much to Santa Barbara – as vice president of the Santa Barbara Bowl Foundation he co-chaired the initial \$10 million stage improvement campaign and served as executive producer of the film *Backstage at the Bowl*. He provided seed funding for CORE (California Outreach Recreation and Education), a program for Santa Barbara Junior High students at risk for gang activity. He worked ceaselessly on issues affecting Santa Barbara's natural beauty, including working with the Land Trust for Santa Barbara County to create a conservation easement on his Jalama Canyon Ranch. Hughes was a fan-

tastic friend to Heal the Ocean, helping us generously every year, contacting us with new ideas for fundraising and publicity, supporting every event we ever produced. We sorely miss him, and have Cece, James and Caitlyn in our hearts and prayers always.

Frank Magid, was a long-time supporter of Heal the Ocean (since our beginnings!) and together with his wife, Marilyn, began helping HTO every year since 1999. When we heard of his passing at the age of 78 on February 5, 2010 in Santa Barbara, only then did we fully realize what an important role he played in the world. Basically, Frank Magid shaped the modern news media. Founded in 1957, Frank N. Magid Associates recommended to CBS that it feature Walter Cronkite as solo anchorman on the CBS Evening News, and Frank played a key role in the development of ABC's "Good Morning America." But perhaps Frank Magid's most notable imprint on television reporting was his creation of the "Action News" concept for local newscasts. Frank was active in a variety of civic and charitable organizations, including serving on the National Board of the Smithsonian



Frank Magid

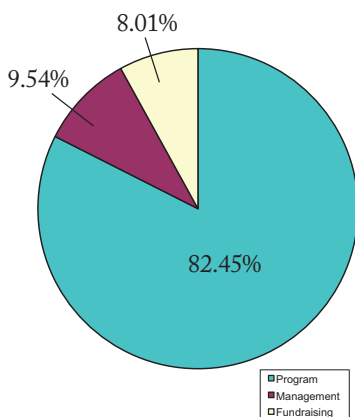
Institution and heading the International Advisory Board of Direct Relief International. Heal the Ocean is so proud to have had him with us, and send our love to his wife, Marilyn, and the rest of his family.

Karin Young, who passed away 2010, is a sad loss to Heal the Ocean. We will always remember her smiles and laughter as she joined her good long-time friend HTO Board Member **Francoise Park** in making the sand castle centerpieces for our second fundraiser at the Coral Casino, in 1999.

Heal the Ocean thanks those who have sent donations in memory of other loved ones who have left us, and we are honored to memorialize in our pages **Dolores Bootay, Eric C. Brown, Maxine Clark, Don Harmer, Dean Jensen, Edward Joujon-Roche, Sharon Lelande & Gordon McCloskey, Emile McGarry, Zachary Miller, Kay Wm. Murray, Janet Rution, Jim Ryerson, Hank & Jean Schenider, Craig Schott, Mark Sizemore, Win Swint, Charles Stearns, Bary Stout, Shirley Tanner and Lanny Wright**. We thank those who continue to send us heartfelt donations in memory of **Chris Cutler, Tim Cutler, Steve Issaris and Frank Louda**.

And finally, there is "**Busted**" the Cat, who has been memorialized every year with a HTO donation since 2003. The memory of these wonderful people, and "Busted," lives on in our hearts as we work for the ocean they all loved. ☀

EXPENSES



EXPENSES		
Program	375,685	82.45%
Management	43,450	9.54%
Fundraising	36,519	8.01%
Total Expenses	455,654	100.00%

Per 2009 audit by MacFarlane, Faletti & Co. LLP, Santa Barbara, California

WHERE YOUR DONATIONS GO

In 2009 HTO spent a full 82.4% of your donations directly to the work of cleaning up our ocean. This year we have been focusing on preliminary funding steps needed to instigate the reclamation of wastewater in south Santa Barbara County, starting by lobbying in August 2010 for a Proposition 84 Planning Grant to include a cost feasibility assessment of wastewater recycling in south Santa Barbara County. We have positioned ourselves on the Santa Barbara County Integrated Regional Water Management Plan (IRWMP) steering committee for Prop 84 grant applications, to be involved in decision-making on how State funding through Prop 84 might be spent.

We wrapped up the Prop. 50-funded study of the Montecito Sanitary District Outfall (*Monitoring the Microbiology of the Montecito Outfall Wastewater Plume*) in December 2009, have pursued six months of extra work needed to finish the PhyloChip analysis of ocean-water samples. Because of your generosity, we have been able to pay for: UCSB Marine Science Institute spatial analysis of California wastewater treatment plants and beaches declared 303(d) impaired by EPA (due out in August 2010); in-house research on the *California Ocean Wastewater Discharge Report and Inventory*; Prop. 50 grant management; Coast Law Group analysis of Santa Barbara waterfront polluted groundwater/Class II landfill, a grant writer, wastewater recycling consultants, legal advice and more.

S.C.A.P.E. ART SHOW FOR HTO

January 2011

The Southern California Artists Painting for the Environment (S.C.A.P.E.) is dedicating its month-long January 2011 show to Heal the Ocean! Held at the Faulkner Gallery of Art at the Santa Barbara Public Library, the opening reception is January 6, 2011 (First Thursday) from 5 p.m. to 8 p.m. Ruston Slager, a HTO founding member who frequently shows his watercolors at SCAPE shows, produced the beautiful watercolor on the back cover of this newsletter.

Thank you, Ruston! Thank you, SCAPE!



Heal the Ocean

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painting by Ruston Slager

