

## 2008 ANNUAL REPORT



The Marine  
Mammal Center™

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# THE TRANSITION

The year 2008 was one of growth and transition as we worked tirelessly to come to the aid of seals and sea lions, while at the same time, built a state-of-the-art marine mammal hospital and educational center. The metal, wood, and other recyclable building materials have yielded a sophisticated complex that will enable us to better accomplish our mission while giving visitors the opportunity to learn about our work and the inspiration to become stewards of our ocean environment.



During the year, we added a new leader to our family. Dr. Jeff Boehm, formerly the head of the veterinary and conservation units at the Shedd Aquarium in Chicago, returned to his home state to become our new Executive Director. Under his leadership, we look forward to advancing the Center's mission and refining our vision as we move through this year of great transition. In addition to bringing Jeff to the Center, our team achieved many great successes, including responding to over 800 marine mammal strandings, and tending to species of special interest – a Hawaiian monk seal, and a Steller sea lion, two species which have seen dramatic population declines. We continued to advance our studies into marine mammal diseases, for instance, examining the carcasses of 30 harbor porpoises that washed ashore in August. We also continued our study on harbor seals in the bay, and launched a new study on wild populations of sea lions to better understand their exposure to leptospirosis, a cause of kidney disease in these animals. While we were busy educating over 15,000 students about marine mammals and how they can help the ocean environment, we also advanced our message and visibility through the media and were proud to be featured on the award-winning science series NOVA in November.

Through prudent oversight and a solid commitment from staff, the board, our volunteers, and supporters, we are confident that we will be in a solid position to open the doors to our new facility in June 2009. The Center, like many other organizations, is not immune to the effects of the recession, and that led us to examine our revenue projections and growing expense projections even closer. We finished the year positively and maintained a healthy revenue stream and cash flow balances. Our revenue for the fiscal year ended September 30, 2008 and was \$ 12.7 million. The net surplus of \$ 6.5 million was from capital contributions for the Sausalito construction.

Our grand opening in June 2009 will be a major milestone in our history – a cause for celebration. As we look back to our humble beginnings in 1975 and look forward to the transition into our new facilities, The Marine Mammal Center has an opportunity to continue to learn and lead as we increase our understanding of our interdependence with marine mammals and the ocean.

Best,

A handwritten signature in cursive script that reads "Merrill L. Magowan".

Merrill L. Magowan  
Chairman of the Board, The Marine Mammal Center



## SCIENTIFIC INQUIRY

**While many of the species of marine mammals the Center treats each year are not endangered or threatened, the research our veterinarians conduct on marine mammal health is valuable and is applied to other marine mammal species that are in peril.**

### Leptospirosis study of wild populations of sea lions

In 2008, large numbers of California sea lions stranded along the California coast as a result of a bacterial infection called **leptospirosis**, a disease that affects the kidneys of these animals, and in many cases causes death. Cases of leptospirosis appear every year, with large outbreaks every 4-5 years. The Center is advancing its studies of the disease by determining the changes in antibody levels in the blood of wild sea lions to leptospirosis. The data from these blood samples will help the Center understand more about the changes in susceptibility of sea lions in the population over time so that we can predict when stranded sea lions with leptospirosis will be seen here at the Center. Collaborators in this study include the National Oceanic Atmospheric Administration, University of California Los Angeles, University of California at Davis, Penn State University, and the National Animal Disease Center in Ames, Iowa.



### Domoic acid toxicity can cause heart disease in sea lions

The Center continues to study the health effects of domoic acid poisoning in California sea lions that ingest contaminated fish. Studies of the effects of domoic acid, which is produced by marine algae and can cause both acute and chronic brain damage in sea lions, have revealed that sea lions suffer from epileptic seizures (similar to what humans experience as a result of eating poisoned shellfish) and that the toxin can cross the placenta of pregnant sea lions. In 2008, the Center contributed to a study revealing that some sea lion patients admitted to the Center as a result of domoic acid toxicity also suffered from degenerative cardiomyopathy. Heart lesions in pinnipeds, in general, are not well documented, and this study represents another serious condition resulting from toxic algae poisoning.



## Sperm whale ingests 450 lbs. of netting!



In March 2008, The Marine Mammal Center's Director of Veterinary Science, Dr. Frances Gulland, was called to assist in the necropsy of a 51 foot long sperm whale that had washed up on a beach near Tomales Point in Point Reyes. When the necropsy team examined the animal's internal organs, they discovered nearly 450 lbs. of fishing net, mesh, braided rope, plastic bags, and even a plastic comb in the whale's stomach. The alarming discovery unfortunately was evidence of an issue at the forefront of many researchers' minds. Marine wildlife is being affected by debris discarded by humans into the ocean, much of it non-biodegradable plastic.

## Blubber contaminant and weight loss study reveals contaminants are mobilized during weight loss

Scientists at the Center learn about the health of marine mammals by investigating factors that may pose serious health risks to whole populations. Fat soluble contaminants, such as PCBs and DDTs, are factors that can cause cancer and suppress the immune system of animals and humans. Typically, contaminant levels in animals are assessed by measuring levels in a single sample of blubber (body fat). However, if the amount of blubber changes with changes in body weight, weight loss could alter the measurement in a single sample of blubber. That was the basis for a study, published in 2008, which looked at the changes in blubber contaminant concentrations in sea lions associated with changes in body weight. Because sea lions have a high level of persistent organic pollutants (POP) in their blubber, the Center compared concentrations of POPs between sea lions losing weight while suffering from domoic acid intoxication, to those that gained weight during rehabilitation at the Center. Significant increases in the concentration of the POPs were found in underweight sea lions, and decreases in contaminant levels were noted in those animals that gained weight during re-feeding. This study indicates the importance of considering body weight of sea lions when sampling blubber in order to interpret the significance of a single measurement of blubber contaminant levels.

## Unusual mortality event involving harbor porpoises

In 2008, a higher than usual number of dead harbor porpoises washed up on local beaches. The Marine Mammal Center researchers performed necropsies on 30 of these animals to determine possible reasons for the deaths. Preliminary findings indicate that the predominant cause of deaths for some of the porpoises earlier in the year was maternal separation and malnutrition of newborn calves, while later in the season blunt force trauma, most likely from interactions with bottlenose dolphins, was the main cause of death for others.

### SCIENCE HIGHLIGHTS

- **Identified that juvenile northern elephant seals are susceptible to infection from antimicrobial-resistant and pathogenic fecal *E. coli* bacteria as a result of leaving natal beaches and entering areas where high levels of freshwater outflow occurred.**
- **Co-authored a paper about the effects of climate change on Arctic marine mammal health. The paper explores probable direct and indirect effects of changes in habitat to marine mammals in the Arctic such as the loss of the sea ice habitat, elevations of water level and air temperature, and effects of increased human activities in areas of decreased sea ice. The paper stresses a need for baseline marine mammal health data.**
- **Studied the effectiveness of using post mortem sea lion aqueous humor (fluid inside the eye) as a substitute for serum in studying health.**
- **Studied the viability of implanting life-long telemetry transmitters in sea lions to record body temperature and day of death so as to understand causes of mortality.**
- **Studied the health and survival of harbor seals in and around San Francisco Bay to determine disease prevalence in seals that live in urbanized areas, and compare contaminant levels between stranded seals and wild harbor seals.**

### SPECIAL THANKS

- Harbor Seal Health program: Valentine Foundation, John H. Prescott Marine Mammal Rescue Assistance Grant program
- Leptospirosis study: National Oceanic Atmospheric Administration
- Domoic Acid study: Oceans and Human Health Initiative

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- Gulland, F.M.D.** 2008. Marine mammals as sentinels of ocean change. Proceedings of the Associazione Italiana di Patologia Veterinaria, May 15-17, Palermo, Sicilia, Italy.
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## VISITING RESEARCHERS AND RESEARCH COLLABORATIONS

*Karina Acevedo-Whitehouse (Institute of Zoology, London) – Phylogeny and disease susceptibility in California sea lions*

*Brian Aldridge, Jocelyn Riggins (Royal Veterinary College, London, UK) – Diagnosis of *Otostrongylus* in northern elephant seals*

*Jerome Barakos (California Pacific Medical Center) – MRI imaging of California sea lions with domoic acid toxicosis*

*Matthew Breen (North Carolina State University) – Tumor cytogenetics of California sea lions*

*Daphne Bremer (University of California, Davis) – Diagnosis of protozoal pathogens in California sea lions*

*Alex Chow, Jonna Mazet (University of California, Davis, Wildlife Health Center) – Health impacts of mercury and selenium accumulations in California sea lions*

*Kathleen Colegrove (University of Illinois) – Role of DNA adducts and contaminants in development of carcinoma in California sea lions*

*Laurence Dunn, Cara Field, Inge Sidor (Mystic Marinelife Aquarium) – Brucellosis in marine mammals*

*Jocelyn Flanary (Medical University of South Carolina) – Perfluorinated compounds in California sea lions and northern fur seals*

*Ailsa Hall (Sea Mammal Research Unit, University of St. Andrews, Scotland) – Epidemiology of cancer in California sea lions*

*Michael Janech, Jason Ferrante (Medical University of South Carolina) – Determination of protein biomarkers as indicators of domoic acid or leptospirosis exposure*

*James Lloyd-Smith (Pennsylvania State University) – Cyclical changes in leptospirosis in California sea lions*

*Milton Levin, Sylvain De Guise (University of Connecticut) – Effects of domoic acid on immune function of California sea lions*

*Eric Montie (University of South Florida) – Relationship between PCBs, PBDEs and domoic acid exposure on California sea lions via MRI and volumetric neuroimaging*

*Colleen Reichmuth-Kastak (University of California, Santa Cruz) – Assessment of behavior of California sea lions with long-term effects of domoic acid toxicosis*

*James Ryan, Fran Van Dolah, Greg Warr (Hollings Marine Laboratory, Charleston) – Domoic acid microarray*

*Jennifer Siembieda, Jonna Mazet (University of California, Davis, Wildlife Health Center) – Influenza surveillance in marine mammals*

*Dmitriy Volokhov (Nicholson Research Center) – Mycoplasma surveillance in marine mammals*

*Collette Williams (University of California, Davis) – Electroencephalograms from California sea lions with domoic acid toxicosis*

*Richard Zuerner (National Animal Disease Center) – Leptospirosis epidemiology*

*Moss Landing Marine Laboratories, National Park Service, CalTrans, University of California, Davis, San Francisco State University – Health survey of harbor seals in the San Francisco Bay*

*US Fish and Wildlife Service, US Geological Survey, California Department of Fish and Game – Health and disease investigations in northern sea otters*

## ADVISORY PANELS

*Hawaiian monk seal recovery team, Member – Frances Gulland*

*The Marine Mammal Commission, Scientific Advisor – Frances Gulland*

*Advisory Board, Oiled Wildlife Care Network, Member – Frances Gulland*

*Working group on marine mammal unusual mortality events, Emeritus Member – Frances Gulland*

## BOARD OF SCIENTIFIC ADVISORS

*Sarah Allen, Ph.D., National Park Service, Point Reyes National Seashore*

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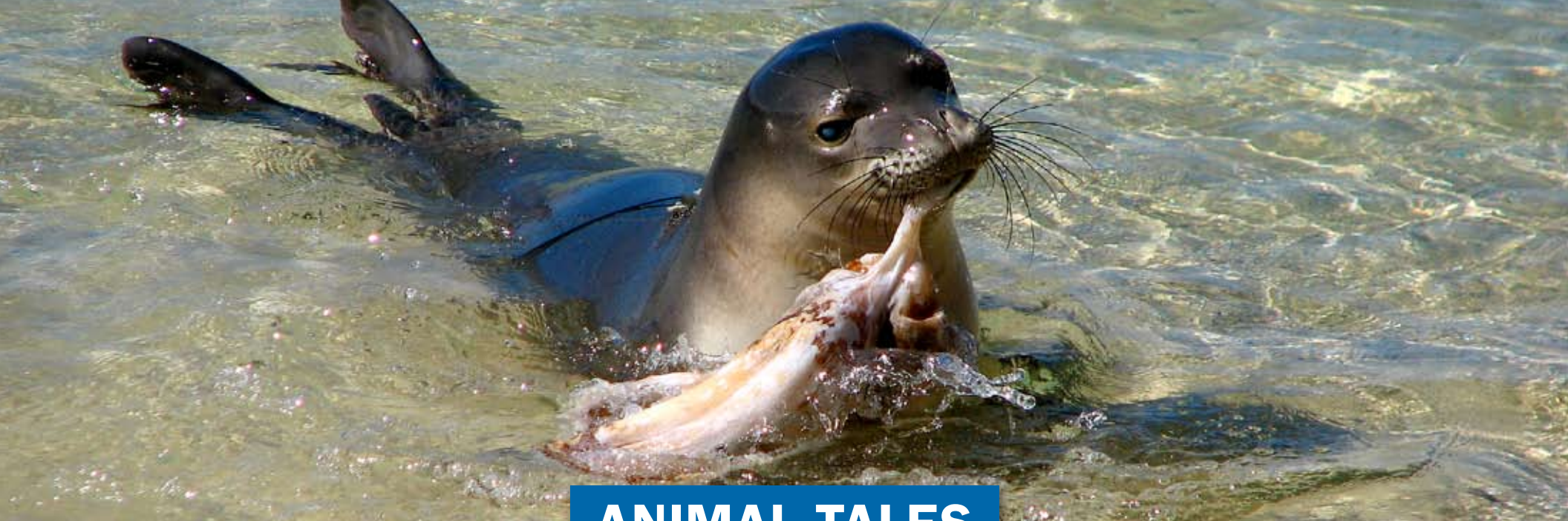
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## ANIMAL TALES

**Each and every animal rescued and treated at the Center has a story to tell and each one helps better our understanding of the conditions that affect marine mammal health.**

### KP2 – A Hawaiian monk seal survival story

In a unique collaboration, The Marine Mammal Center worked with the National Marine Fisheries Service to rehabilitate a male Hawaiian monk seal pup that was abandoned by his mother on the Hawaiian island of Kauai in May of 2008. The pup, “KP2”, was moved to a rehabilitation facility on Oahu, where he was cared for by trained animal care personnel from both agencies. Staff and volunteers from the Center, who have years of experience working with and treating elephant seal and harbor seal pups, rotated their time on Oahu to ensure KP2 received the highest level of care. Hawaiian monk seals are critically endangered, making every monk seal that is successfully rehabilitated crucial to the long-term survival of the species. In December, after eight months of care, KP2 was released on a protected beach on the island of Molokai, a sheltered area for monk seals. Before release, he was fitted with a satellite tag so that his movements in the wild can be tracked.



### Arctic – Raising future generations of Steller sea lions

Arctic, a Steller sea lion pup, was only days old when she was rescued from Año Nuevo Island on June 2008, after becoming separated from her mother. Since the Steller population has dropped by 80% in the last 30 years and is on the threatened species list, the Center’s animal care staff and volunteers took extra care to ensure her successful rehabilitation so that she could be returned to the wild and not become habituated to her caretakers. To date, Arctic continues to gain weight and is learning to catch and eat fish on her own. In 2009, veterinarians hope to be able to release her back to the wild where she will hopefully have pups of her own, thus adding to the dwindling Steller population.



## Gnort – A sea lion that made a big splash at the Center!

Gnort is an adult male California sea lion that stranded in Moss Landing in October 2008. Tipping the scales at 319 lbs, Gnort was treated for acute domoic acid toxicity. Gnort was suffering from seizures (similar to those that humans experience) so veterinarians administered anti-seizure medication (phenobarbital) to him. Once the medication had worn off, Gnort let the veterinarians know he was feeling better by climbing over the chain link fence surrounding his pen and doing a swan dive into the pool in the neighboring pen. After a brief two week stay at the Center, he was successfully released back into the wild.



## Brussel Sprouts – Congenital defects may be caused by pollution

In April, 2008, veterinarians examined a harbor seal pup named “Brussel Sprouts” (aptly named for the external, bubble-like growths on his mouth) and determined that these masses were a result of a congenital defect. Due to the location of the masses, any surgical attempt to remove them would have resulted in facial deformities that would prevent the seal from eating on his own. The prognosis was not good. Veterinarians knew that he would be un-releasable and that he could not survive at a zoo or aquarium. Thus, the team made the humane decision to euthanize him. Although it is unclear what caused the tumors, exposure to environmental contaminants such as pesticides, oil, and heavy metals from the mother during fetal development is one possible cause. By rescuing animals like Brussel Sprouts, the Center gains valuable information about how ocean health affects marine mammals, and it provides a humane response to animals that would otherwise suffer needlessly.

## Fogell – The comeback kid!

This little elephant seal pup was in bad shape when rescued from Shell Beach in San Luis Obispo. In addition to being emaciated and having an injury to his eye and lip caused by a fish spine, he was also diagnosed with severe pneumonia. Although Fogell’s weight initially began to improve with treatment, his pneumonia worsened. He became too weak to eat and began to lose weight and to cough up blood, and was given a poor prognosis by our vets. But with adjusted medication and regular tube-feeding, Fogell’s pneumonia cleared up and he began to gain weight. To the delight of all involved in his care, Fogell was declared healthy and months after he was rescued, was released at Chimney Rock in Point Reyes National Seashore.



## First Loggerhead turtle rescue by the Center

The Center occasionally is called upon to rescue sea turtles and in November, volunteers rescued a 44.5 lb juvenile loggerhead sea turtle that was found alone, weak and lethargic in Half Moon Bay. The turtle, nicknamed Shotgun because it rode “shotgun” in the rescue vehicle, was immediately transported to a special rehabilitation unit at San Diego SeaWorld. Officials there report that he is doing well and may be healthy enough to be released sometime in mid 2009. This was an unusual sighting for the Center as Loggerheads are an off-shore species regularly seen in the waters around Japan. Shotgun is the first loggerhead turtle the Center has rescued in its history.



## THE YEAR IN NUMBERS

Percentages are approximate due to rounding procedures.

### Number of animals admitted by species

	NUMBER	PERCENT
California sea lions	486	59%
Northern elephant seals	129	16%
Pacific harbor seals	107	13%
Steller sea lions	3	0%
Northern fur seals	19	2%
Guadalupe fur seals	4	1%
Cetaceans – various species	41	5%
Southern sea otters	22	3%
Sea turtles	4	1%
<b>TOTAL</b>	<b>815</b>	<b>100%</b>

### Disposition

	NUMBER	PERCENT
Total Animals Accessioned in 2008*	813	100%
Entered rehabilitation	653	80%
Relocated/Transfer	40	5%
Carcass/Dead on arrival	133	16%
Released to wild**	290	44%
Euthanized/Died in Treatment**	358	55%
Admitted in 2007/Disposition in 2008***	2	0%
Still on-site as of January 1, 2009**	4	0%

\* Every animal receives an accession number, but not all animals enter rehabilitation

\*\*Percentage based on animals that entered rehabilitation, not on total animals accessioned

\*\*\*2 of the disposition animals for 2008 were admitted in 2007

### Rescues due to human interaction

	NUMBER	PERCENT
Unauthorized pickup	8	1%
Harassed	2	0%
Gunshot	11	1%
Netting	4	1%
Fishing Line	1	0%
Fish hooks/Lures	11	1%
Other marine debris	3	0%
Boat strike	2	0%
Oil/Tar	23	3%
<b>TOTAL</b>	<b>65</b>	<b>7%</b>

Percent is of total animals accessioned





## EDUCATION SUCCESSES

**The Marine Mammal Center's Education programs expand awareness about the Center's work and scientific achievements. Marine science instructors teach generations of people about the importance of marine mammals and the health of the marine environment.**

### Youth Volunteer Program

Through the Center's Youth Volunteer Program, Bay Area high school students volunteer their time as part of an animal care crew. This unique experience exposes students to the work of the Center as well as to the wide range of career opportunities in marine science, conservation, and education. In 2008, 63 youth volunteers logged over 3200 hours of volunteer time. In addition, the Center's Monterey Bay Operations trained its first youth stranding volunteer.

### Whale Bus Program

Using the traveling Whale Bus, the Center's marine science instructors travel directly to Bay Area schools to teach K-8 students about marine mammals, the work of The Marine Mammal Center, and how to become better stewards of the environment. In 2008, using hands-on techniques and real marine mammal specimens, instructors taught 305 classes to over 8,000 Bay Area youth.



## New Whale Bus

The DMARLOU Foundation, under the direction of Trustees Felipe Santiago, Barry Joseph, and Richard and Susan Rahl, has been a long-time supporter of the Center's education programs. This relationship began with the emergency purchase of a new Whale Bus van in 2000. As timing would have it, the day the old van stopped working after being driven over 140,000 miles, was the same day the DMARLOU trustees made a visit to the Center! The DMARLOU Foundation, founded by the late Dorothy and Martell Kaliski, has made many other leadership grants to the Center over the years, including the capital campaign for the new Discovery Classroom, the educational kiosk at PIER 39, the Youth Program, and the Marine Science Scholarship Fund that enables underserved schools to participate in the Center's education programs.

In 2008, the Foundation's generosity came full circle when it made a grant to the Center that enabled it to purchase a new Whale Bus. The new vehicle is a Dodge Sprinter that is diesel and "green" – a perfect example of environmental stewardship to which the Center and its education programs are dedicated!



## EDUCATION HIGHLIGHTS

- ***Through the Youth Program, seven students visited the Long Marine Lab and Seymour Science Center in Santa Cruz to watch dolphin training, learn about the research being performed there, and speak with UCSC students about marine science career options.***
- ***Four low-income students worked as summer interns at the Center where they participated in animal care and specimen preparation, shadowed veterinary staff, and went on an animal release. They were paid a small stipend thanks to the NOAA-BWET grant.***
- ***The Center's programs, events and fairs reached more than 15,000 students and 4,000 adults in 2008.***

## EDUCATION DEPARTMENT PARTNERS

Año Nuevo State Reserve, Pescadero, CA  
Aquarium of the Bay, San Francisco, CA  
Bay Area Discovery Museum, Sausalito, CA  
Bay Model, Sausalito, CA  
Cordell Bank National Marine Sanctuary, Point Reyes, CA  
Environmental Education Council of Marin (EECOM), San Rafael, CA  
Eques, Inc, Sonoma, CA  
Farallones Marine Sanctuary Association, San Francisco, CA  
Gulf of the Farallones National Marine Sanctuary, San Francisco, CA  
Headlands Institute, Sausalito, CA  
Marine Science Institute, Redwood City, CA  
National Park Service, Golden Gate National Recreation Area, Sausalito, CA  
National Park Service, Point Reyes National Seashore, Sausalito, CA  
PIER 39, San Francisco, CA  
Point Bonita YMCA, Sausalito, CA  
Point Cabrillo Light Station, Mendocino, CA  
Point Reyes National Seashore Association (Point Reyes Field Seminars), Point Reyes Station, CA  
Romberg Tiburon Center for Environmental Studies, Tiburon, CA  
San Francisco Zoo, San Francisco, CA  
Seamen's Training Center, Sausalito, CA

## EDUCATION STAFF PARTICIPATION ON BOARDS AND COMMITTEES

Cordell Bank National Marine Sanctuary Advisory Council Education, Chair – Doreen Moser Gurrola  
Environmental Education Council of Marin (EECOM), Board Chair – Ann Bauer  
San Francisco Science Collaborative – Ann Bauer

## EDUCATION PROGRAM STATISTICS 2008

### Education Programs/Lectures/Events/Fairs

Call to the Rescue*#	138
Programs in our Marine Science Classroom#	29
Research Discovery Day	16
California Sea Lion Programs at PIER 39	11
Whale Bus Outreach at schools*	305
Guided Beach Walks at Rodeo Beach#	57
Marine Science Discovery Programs classes**	59
Fairs throughout our rescue range	30
Special Programs/Events#	10
Lectures for docents/public/teachers	7
Donor/member Events	4
Speakers Bureau Programs by Field Offices	22
<b>Total Programs/Lectures/Events/Fairs</b>	<b>688</b>

73 programs/events/fairs were taught by volunteers

\* Carson McLean Scholarship Fund paid the program fees for 5 classes serving low-income students

# The DMARLOU Marine Science Scholarship Fund paid the program fees and transportation for 12 classes that serve low-income students.

\*\* Eight high school classes (from 4 schools) that serve low-income students. This program was fully funded thanks to the Sato Foundation, the David B. Gold Foundation and the NOAA- BWET grant.

### Participants in Education Programs/Events/Lectures/Fairs

	STUDENTS	ADULTS
Various Programs in our Marine Science Classroom*	549	160
Call to the Rescue*	3,471	1,136
Beach Walks at Rodeo Beach*	1,950	640
Sea Lions in the City at PIER 39, San Francisco*	231	76
Whale Bus Outreach to Schools Sites*	8,054	784
Marine Science Discovery Program for High Schools	220	8
Research Discovery Day for High School/Junior College	299	43
Special Programs/Lectures	307	400
Donor/Member Events	115	266
Speakers' Bureau Programs by our Field Office Volunteers		
Anchor Bay Operations	27	
Monterey Bay Operations	226	615
San Luis Obispo Operations	90	86
Participants in Programs/Events/Lectures	15,539	4,214
Participants visiting our booth at 31 fairs		20,682
<b>Total Participants</b>	<b>40,435</b>	

\* These programs served students in PreK to 12th grades  
Adults includes chaperones plus participants in adult programs



# FROM MISSILES TO MARINE MAMMALS

## The Marine Mammal Center's Historic Transformation

For over 30 years, The Marine Mammal Center has grown and transformed into a world-class rehabilitation hospital, research and educational center. At the end of 2008, staff and volunteers began moving into a newly rebuilt facility – one designed to accommodate the serious medical needs of its patients, provide a collaborative work environment for staff and volunteers, and offer visitors a unique educational opportunity to learn and become inspired by marine mammals and the ocean. The rebuild of the Center's headquarters, which began in the Fall of 2005, represents an historical achievement for staff, volunteers, and board members as well as for so many of its supporters.



The former Nike missile site in the Marin Headlands is decommissioned in 1972.

Operations begin in 1975 with just a few bathtubs, wood, and chicken-wire.

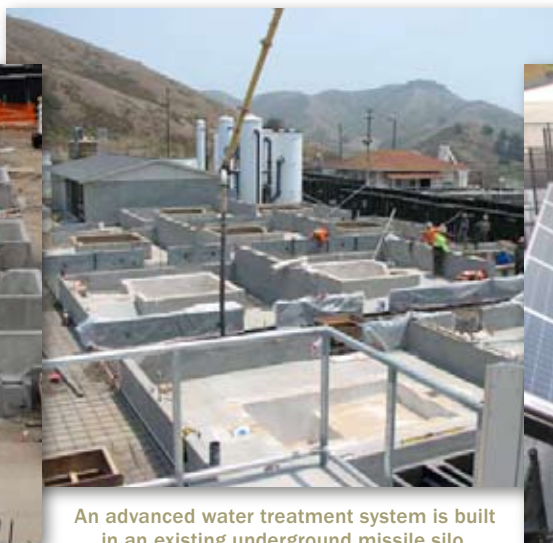


By the early 80's the Center was rescuing between 100-200 animals yearly.

By the mid 90s, and thousands of patients later, the Center's pens and pools were feeling the strain.



In 2005, the rebuild began. By 2008 new pools were being built.



An advanced water treatment system is built in an existing underground missile silo.

Finished new pools – December 2008.



The community education and veterinary science buildings take shape in September 2008.

## Going Green

The Marine Mammal Center's new headquarters are inspired by Leadership in Energy and Environmental Design (LEED) standards. The complex consists of three main buildings: a community education building, an animal care building, and a veterinary and administration building. In addition, new pens and pools, photovoltaic shade panels, an underground water treatment system, and the use of green friendly materials, all will help the Center conserve energy and keep a "green" footprint.

Some key features of the new facility include:

- ▶ New pens and pools designed to meet the different physical and medical needs of seals, sea lions, and other marine mammal species
- ▶ An on-site lab that will reduce time for diagnosis and initiating treatment
- ▶ A 'transparent' design, so visitors can see the behind-the-scenes work at the Center
- ▶ Classrooms and meeting space for our visiting students and public
- ▶ Green design elements including solar shade panels over the pens and pools to reduce energy consumption by about 10% and provide shade for the patients, radiant floor heating in the buildings, and use of recyclable building materials throughout the complex
- ▶ An innovative adaption of a former underground Nike missile silo to house a water treatment system that recycles almost 80% of the water and provides a healthier environment for the patients.

The new facility, as photographed in early October 2008.



Top: New solar panels installed – September 2008. Center: Radiant floor heating is installed – August 2007  
Bottom: Native plantings – November 2006.





# FACES OF VOLUNTEERS

**We thank all of the volunteers who, in 2008, dedicated 74,596 hours of their time allowing the Center to rescue and treat marine mammals in need and staff the gift stores and education department.**



### **Gary Angelus** **San Luis Obispo Operations**

Gary Angelus has been a volunteer at The Marine Mammal Center’s San Luis Obispo (SLO) Operations since 1995, when his wife Marie saw a public service announcement in the local newspaper. Gary is a crew supervisor, referred to as POD or Person Of the Day by the SLO volunteers. Besides performing rescues, giving presentations, and assisting with the new volunteer orientation program, Gary also conducts the “beach class,” which is the rescue and restraint class for new volunteers. Like many of our volunteers, for Gary, involvement with the Center and marine mammals is a family affair. “My kids always played seal at our rescue and restraint class,” says Angelus. “Shanna used to play a harbor seal pup, but she’s grown out of that now. Christopher would play a California sea lion yearling, now a subadult! The kids have learned from an early age that volunteering can be rewarding in many ways. Volunteering at the Center provides me with an incredible opportunity to learn about the marine mammals off our coast and what’s affecting their environment. It allows me to be directly involved with the rescue and treatment of an animal that needs our help.”



### **Winnie Mulé** **Monterey Bay Operations**

In August of 2000, volunteer Winnie Mulé was walking on the beach with a friend when they came across a large sea lion that was not moving and appeared sick. They called the SPCA and were referred to The Marine Mammal Center, which came out and rescued the animal. The rest is history. “I was so impressed with the folks that came to its rescue,” says Mulé, “even letting me name it and help carry it back to the truck. It was then I decided I wanted to be a part of this organization.” Today, she is a vital, dedicated, and highly admired member of the Center’s Monterey Bay Operations, where she wears many hats as a member of the Sunday crew. She is involved in all aspects of rescue, is an animal care/med team member, and trains new volunteers as a mentor. For a short time Winnie was even on the water rescue team, a highly specialized crew that performs rescues in the water. One of the most important things that motivates Winnie is the concern the public shares for the animals’ well being. “This is such an incredible experience to be able to work so closely with these animals and to know that we do make a difference,” says Mulé. “I’m really fortunate to be in the company of such caring people and look forward to many more years.”

### **Lincoln Shaw** **Sausalito Headquarters**

Chances are if you see The Marine Mammal Center rescuing an animal from the muddy bottom of a concrete aqueduct, the bottom of a cliff, an airport runway, or any other “impossible” location, volunteer Lincoln Shaw will be among the rescuers determined to make the impossible possible. Lincoln joined the Center four years ago and is often called on at a moment’s notice to respond to a stranded marine mammal. He also releases animals back to the wild, something he finds very rewarding because he knows that what was a very sick animal is now healthy and being returned to the ocean. Besides the already demanding function of stranding volunteer, Lincoln also finds time to volunteer as the Assistant Crew Supervisor on Monday night’s animal care crew, helping to carry out veterinary treatment plans by providing medication and evening meals to the animals. And while it’s the animals that bring them there, Lincoln credits the people on his crew for making those hours a great time as they worked into the night, despite wind, rain and fog. “It feels good knowing I’m part of a team of people dedicated to helping marine mammals one animal at a time,” says Shaw.



# OUR VOLUNTEERS

COMMITTED, DEDICATED, HARDWORKING, PASSIONATE

We thank our 800+ volunteers who donated over 74,000 hours of their time in 2008 to help rescue and care for marine mammals in need and to help the Center fulfill educational outreach programming and administrative tasks.

Jeanne Acceturo	Jennifer Bell	Sandra Bush	Windy Collaro	Kathleen Disney-Nilson	Antonio Fillari	Tiffany Gray	Dan Hogan
Eric Aguilar-Men	Paulette Bellamy	Stephanie Bush	Craig Comen	G.W. Dodds	Morgan Filler	Kendall Green	Adria Holbeck
Mark Aiello	Chanda Benson	Robert Bushansky	Cynthia Comerford	James Doeppers	Holly Finefrock	Sandy Gregory	Kayla Holbeck
Bill Ake	Kristin Benson	Raymond Cachia	Scully	Emily Doerksen	Mary Ann Finger	Leura Greunke	Pat Holt
Barbara Akle	Jeanette Bergstrom	Misty Cain	Megan Connolly	Ann Domm	Melissa Flemming	Gerald Griffith	Joseph Hong
Leah Albin	James Bernard	Lydia Callo	Kent Conti	Donna Donato	Karla Flores	Jennifer Griffith	Jonathon Hoof
Jeremy Alcantara	Jean Bernard	Lauren Campbell	Diane Conway	Lauren	Monique Flores	Sarah Grimes	Marta Hotell
Jayne Allen	Rochelle Bernet	Suzanne Canja	Michael Cook	Donnelly-Crocker	Pieter Folkens	Chelsea Groves	John Houser
Renee Allen	Jill Berryman	Abigail Cannon	Orrin Cook	Marley Donner	Mitch Fong	Val Guarin	Janea Howell
Victor Alm	Anne Bertaud-Peuto	Soncie Cantone	Barbara Cooper	Amber Dooley	Alison Foulis	Thomas Guernsey	Matthew Howell
Sabrina Alonso	Ryan Bertrand	Kate Capela	Kent Coren	Richard Dorflinger	Joyce Fox	William Gulland	Anne Hoyer
Henry Altorfer	Stacy Bezyack	Martha Maria Carmana	Anna Cornell	Jeremy Dossetter	Jennifer Franecke	Catherine Hagbom	Ping Huang
Halle Alvarez	Dana Bialashewski	Erin Casey	Pat Cornell	Andrea Dougall	Carolyn Fremgen	Nancy Hagio	Jennifer Hudgins
Chelsea Anderson	Jana Black	Beth Cataldo	Laura Cortright-Yale	Meagan Dowdy	Eric Friese	Doug Hailey	Michele Hunnewell
Christine Anderson	Kathy Blackwell	Doris Causey	Roy Coto	Monica DuClaud	Jade Fugini	Erin Haley	Pamela Hurst
Maren Anderson	Erin Blackwood	Julie Cavin	Mark Cotter	Megan Duncan	Jessica Fulkerson	Shannon Hall	Maddalena Iannaccone
Emily Andrews	Katie Blair	Athena Chan	Kathy Cox	Mary Dunn	Steve Gabow	Lewie Hamady	Robert Jackman
Gary Angeles	Kara Blankenship	Tina Chan	Janis Crawford	Sherry Dunning-Riley	Deborah Gabris	Mervyn Han	Sharron Jackman
Laura Anglin	Keith Blascow	Carol Chang	Stephan Crawford	Jill Dunsing	Julie Gagnon	Ross Hanchert	Lee Jackrel
Marybeth Arago	Hannah Blatz	Sue Chang	Linda Creegan	Julie Durbin	Katherine Gallagher	Todd Hancock	Alison Jackson
Helen Aragon	Mary Blenderman	Allice Chapman	Zahlia Cronce-King	Patricia	Krista Gallagher	Joanne Handley	Cheryl Jarman
Cynthia Ariosta	Patrick Blenderman	Graham Charles	Leslie Culhane	Duron-Okerblom	Carol Gamble	Megan Hankins	Jenni James
Kathryn Arnold	Betty Bloom	Leslie Cullen	Leslie Cullen	Mark Enos	Linda Gamble	Jane Hansen	Richard Jarman
Linda Ashworth	Amanda Blume	Kristin Culp	Kristin Culp	Sally Eastham	Tyler Gamble	Valerie Hansen	Tommye Jarvis
Ron Atik	Natalya Blumenfeld	Kaija Cummings	Linda Curtis	Anne Eaton-Kemp	Michelle Gantos	Christopher Harnack	Sarah Jeffries
Alicia Atkins	Marilyn Boese	Linda Chene	Tom Czabaranek	Morgan Edel	Casey Garcia	Monica Harris	Dana Jensen
Jennifer Austin	Steve Bohn	David Cherry	Murray Dailey	Stefan Edinburgh	Jackie Gardener	Grace Harvey	Darren Jensen
Jennifer Auton	Carol Boland	Diana Cherry	Gayleen Dallman	Jamal Edwards	Ilona Garner	Harold Hauck	Stan Jensen
Bill Avellino	Cullen Bonaventure	Peggy Childers	Keith Dallman	Joan Eich	Elaine Gemma	Janice Haverty	Hedy Jacobowitz
Jennifer Bahlman	Marjorie Boor	Vicki Childress	Amy Dansker	Ronald Eich	Tessa Geseke	John Haverty	Amy Johnson
Britt Bailey	Karen Bosko	Katherine Chin	Nancy Darling	Sarah Eisenbarth	Deborah Gettys	Lynn Hawes	Dawn Johnson
Shirley Bailey	Carroll Botvinick	Diana Chow	Christa Darr	David Ellis	Sheila Giannini	Heidi Heffelfinger	Linn Johnson
William Bailey	Emmanuel	Alexandria Chrisman	Susan Davis	Kristen Elsmore	Mike Gibbons	Gregory Helfer	Steven Johnson
Kim Baker	Bouyssounouse	Michael Christy	Tara Davis	Barbara EnDean	Jody Gibney	Michael Henderson	Brian Jones
Vicky Banas	Jill Brackmann	Elaine Chu	Brad Dawson	Zach English	Maureen Gilbert	Robert Henderson	Catherine Jones
Nashla Barakat	William Bradd	Raymond Chui	Lauren De Remer	Alexandra Epple	Daphne Gille	Howard Hendler	Charlotte Jones
Charlotte Barnes	Joann Bradley	Carol Cislowski	Amy De Reyes	Richard Epstein	Ben Gire	Howard Hendler	Dayvid Jones
Nancy Barth	Jerry Braet	Deborah Claassen	Christine Deguzman	Claire Erlacher	Fred Glazier	Darci Hermann	Patricia Jones
Casie Barton	Angela Braga	Hilary Clark	Velia Deluiliis	David Evans	Andrea Godnight	Warren Hewardine	Linda Jordan
Maureen Bates	Ellen Braithwaite	Julie Clarke	Cristi Derenzi	Alison Ewing	Michelle Golden	Etsuko Hieda	Catherine Josling
Joyce I. Bauer	Marie Brayman	Larry Clinton	Susan Dermody	Sandy Fagin	Jason Goldheim	Lesly Higgins	Doreen Judson
Tom Bauer	Katjusa Brejc	Sarah Codde	Lucy Deroma	Ashley Fell	Everett Goldner	Ken Highfill	Susan Kamprath
Carolyn Baumgardner	Richard Broadwell	Jessica Coe	Neal Derr	Jennifer Ferber	Julia Gorton	Barbara Hill	Lia Kantor
Meggan Baumgartner	Vi Brown	Michael Coffman	Chris Fernandez	Julia Ferguson	Garrett Goto	Donald B. Hill	Karen Kavanaugh
Barbara Beasley	Stacey Buckelew	Jennifer Coggin	Karla Fernandez	Chris Fernandez	Alicia Gottshall	Mary Ellen Hill	Alisa Keenan
Jonathan Bebray	Judi Burle	Peter Cohen	Richard Ferris	Karla Fernandez	Gerard Gow	Jacquie Hiltermann	David Keenan
Kelly Beck	Guy Burnett	Ronald Cohen	Steven Feuerbach	Richard Ferris	Monica Gowan	Ernie Hirose	Kim Keese
Donna Beckett	Sylvia Burns	Dylan Cole	Laura Figoski	Steven Feuerbach	Jeffrey Gray	Laura Hoberecht	Chris Keilman
Stephanie Bahasa	Zoe Burr	Bryan Coleman		Laura Figoski	Stephen Gray	Sasha Hoffman	Darlene Kellogg
		Suzy Coleman				Barbara Hogan	

Libusha Kelly	Daniel Leite	Livia McRee	Joan O'Connell	Alexis Radovich	Pamela Scholler	Amy Stenhouse	Don Van Siclen
Haley Kennard	Elizabeth Leite	Jerry Mecabe	Susan O'Neil	Barbara Rambo	Kim Schreiner	Scott Stephens	Kathleen Ventura
Mom Keo	Sarah Lenz	Tom Medin	Kimmie O'Neill	Anastasiya Randall	Michael Schroeder	Kaylah Sterling	Bert Vergara
Kathy Kern	Janet Leonard	Samantha Melendy	Michael Ogrzydziak	Esther Rasmussen	Caroline Schuab	Tom Stern	Don Vesey
Michelle Kern	Jeanne Leonard	Terry Mendez	Yushi Oguchi	Barbara Rather	Sabrina Schulz	Brenda Stevens	Franz Vettiger
Alayna Kerner	Rebecca Leonardson	Olivia Mendez-Alm	Justin Olenik	Bonnie Rather	Dan Schwartz	Dirk Stevens	Dirk Vadrin
Jon Kerr	Sue Leong	Mick Menigoz	Jane Oliver	Kerry Reason	Betty Scott	Carol Stewart	Maria Villarreal
Margrit Keyes	Sverre LeRoy	Nancy Merchant	Melanie Olson	James Reed	Craig Scott	Heather Stewart	Timothy Vogel
Tom Kieckhefer	Michael Lesser	Valerie Merrin	Martha Oresman	Leta Regezi	Noelle Sedor	Kim Stimpert	Deborah Wagman
Debbi Kiikka	Rachel Levin	Leeza Metrovich	Olivia Orr	Samantha Reiter	Joe Seibert	Jonathan Stock	Trysta Wall
Tera Killip	Leslie Levy	Amy Miles	Natalie Ortega	Javier Rendon	Robin Seibert	Chris Stone	Andrew Walsh
Terry Kilpatrick	Daniel Lewis	Erika Miller	Peter Ottersbach	Nick Renevitz	Ted Semplinger	Mike Stone	Pamela Ward
Mark Kimber	Sammarye Lewis	Janet Miller	Ingrid Overgard	Heather Richard	Lincoln Shaw	Amy Stone-McClintock	Sally Warke
James Kimbrell	Bianca Liederer	Kathy Miller	Jennifer Padilla	June Richard	William Sheehy	Erin Strand	Bettina Warner
Tiffanie Kimm	Roger Lion	Misty Miller	June Padilla	Jessica Ridenour	Danielle Sheetenhelm	Catherine Stratton	Jean Warren
Angela King	Rachel Litiatco	Tiffany Miller	Ken Padilla	Ted Ridgway	Barry Sheppard	Diane Straus	Karen Warren
Patricia King	Eglis Lode	David Minor	Patty Page	Jackie Rifkin	Dawn Sillapere	Jim Su	Pamela Warren
Stephen T. King	Karen Lode	Josef Minton	Anne Pagent	Jessica Riggin	Randolph Silva	Katie Sugarman	Patrick Warren
Abner Kingman	Karen Loida	June Miyamoto	Eric Painter	Claudia Rismiller	Terry Simmons	Maya Sullivan	Phillip Warren
Suzy Kisch	Richard Lopez	Hannah Monday	Sitara Palecanda	Justin Ritter	Alexis Singer	Sandee Swanson	Rose Wayman-Kerr
Michael Kleeman	Rachel Loud	Eric Montie	Tai Pang	Sandy Rizzetto	Kanal Singl	Jenny Swiecicki	Dianne Weatherford
Eric Kleinbub	Brian Lucas	Gabriella Montinola	Katherine Papastephanou	Cory Robinson	Justin Sinner	Jennifer Sypeck	Margaret (P.J.) Webb
Kristy Kobayashi	Francesca Luna	Emma Moore	Ashleigh Papp	Lindsay Robinson	Dixie Sisk	Arthur Taber	Lisa Weg
Tim Kocee	Barbara Lutes	Irene Moran	Beth Pardicck	Marina Rodriguez	Sarah Siskin	Kai Takaoka	Anja Wehrmann
Paul Koenig	Heather Lynch	Cathy Moreland	Katherine Parker	Frederick Roeber	Maria Slagle	Christiana Tan	Elizabeth Weidinger
Adrienne Koepke	Tim Lytsell	Ron Moreland	Peggy Parks	Leslie Roland	Rosanne Slusar	Vivian Tan	Joerg Weingarten
Lynsey Koerlin	Jason Maas-Baldwin	Diane Moroni	Amy Parsley	Patricia A. Romeiro	Tanya Smart	Angie Tate	Rachel Wells
Michael Konrad	Martin MacGregor	Deanna Morrell	Rhoda Paysnick	Michelle Roppeau	Harper Smith	Brian Taussig	Bianca Wenzel
Dave Krale	Walter Mackenzie	Christina Morrow	Eldene Pederson	Ginny Rorby	Jim Smith	Andrew Taylor	Lindsay Wesselmann
Heather Kramp	Joan MacTaggart	Bryan Morse	John Pellandini	Angelica Rosa	Laura Smith	JoLynn Taylor	Patrick Westfall
Christopher Krehmeyer	Daniela Maldini	Sarah Moscardini	Sue Pemberton	Amanda Rose	Nadine Smith	Peter Taylor	Ed Whitaker
Nori Kricensky	Marlene Malhade	Ginger Mosney	Sue Pemberton	Karen Rosenstein	Parsons Smith	Sarah Teague	Shana White
Jane Kroesche	Shawn Mallan	Erin Moutinho	Jennifer Percota	Doug Ross	Raya Smith	Roger Teetzel	Paul Whiting
Tish Kronen-Gluck	George Mandala	Winnie Mule'	Angie Nakano	Allegra Roth	Yvette Smith	Bob Terrell	Cindi Whitlock
Carla Kruger	Michael Manocchi	Scott Nance	Jennifer Perez	Catherine Allergro Roth	Monique Smith-Lee	Nicole Marie Teutschel	Chip Will
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# DONOR HIGHLIGHTS

**In 2008, The Marine Mammal Center had the honor of receiving several generous contributions that increased its capacity to fulfill its mission. The Center would like to take this opportunity to highlight four donors whose vision and financial support contributed to its excellence.**

## The David and Lucile Packard Foundation

The success of The Marine Mammal Center’s capital campaign is due in large part to the incredible generosity of The David and Lucile Packard Foundation. After awarding a \$1 million grant to the Center’s rebuild campaign in 2005, The Packard Foundation awarded a special challenge grant of an additional \$1 million in 2007, which enabled the Center to raise an additional \$6.5 million in four months toward the campaign. The Packard Foundation’s challenge inspired other donors to make new and additional gifts toward the campaign. When the Center opens its new facility to the public in June 2009, it is with gratitude toward the Packard Foundation for helping to make this dream come true.

## The Valentine Foundation

Thanks to the generous support of The Valentine Foundation, the Center has been able to conduct an important scientific study into the health of local Pacific harbor seals and how they may be affected by pollutants and pathogens in their marine habitats. The three-year study, which is the doctoral project for the Center’s marine biologist Denise Greig, compares harbor seals that are patients at the hospital with animals from two wild populations in order to determine the

extent to which current levels of urbanization affect harbor seal health and thus the marine environment. To date, a total of 275 animals have been sampled, and thanks to the generosity of The Valentine Foundation, 20 of the seals were fitted with satellite tags in order to track their locations and survival rates.

Because harbor seals and humans are both at the top of the food chain, the way their health is affected by ocean contaminants is a good indicator of contaminant risk to humans. Harbor seals are also more sensitive to disease than other marine mammals. By measuring pollutant and pathogen levels, coupled with post-release monitoring, the Center’s researchers will have a better understanding of the effect of specific pollutants on harbor seal health and survival. This information could indicate the extent to which humans are also at risk, and provide us with information that could help prevent the destruction of the ocean. The Center is extremely grateful to The Valentine Foundation for its generous commitment to enhancing scientific research and inquiry.

## PG&E

PG&E has been a friend to the Center and a supporter of its education programs for many years. In addition to committing a generous grant to the Education

Evaluation Project, which will enable the Center to offer even more engaging and informative marine science education programs in its new facility, PG&E has also provided leadership support to the Center's Whale Bus education outreach program since 2007. The Whale Bus brings the Center's education programs directly to schools, particularly in rural and inner-city areas where transportation to the Center would be prohibitive. The Marine Mammal Center is grateful for PG&E's role in partnering to teach thousands of students about the wonder and beauty of marine mammals and to encourage environmental stewardship of the ocean and the marine life sustained within it.

### **The San Francisco Foundation**

With the opening of the Center's new facility on the horizon, the Education department was eager to begin evaluating its current programs and planning new and expanded education programs for students and the visiting public. Thanks to a leadership grant from The San Francisco Foundation to the Education Evaluation Project, the Center was able to engage the services of a professional program evaluation consultant and program developer to analyze current programs, develop new programs, and ensure that classes address the needs of teachers and students. Thanks in large part to The San Francisco Foundation and its support of environmental education, the Center will be poised to offer the most compelling, informative and academically challenging marine science education programs possible to Bay Area youth.



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The Marine Mammal Center thanks and proudly recognizes the support of donors to its annual campaign during the 2008 calendar year. These gifts of \$500 and more to the Center's annual fund sustain its ongoing work in animal care, scientific research and marine science education.

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Helen and Jerry Bennett	Annelle Clute	Estefania Elorriaga	John Haines	Maureen and Jim Kearney	George and Patricia McCammon	Jane M. Pepe
JoAnn Bennett	Marlene Coffino	June R. England	John Haines	James W. Keller	Kevin Kerr	Geoffrey F. Peters
Bev Benson	Susan Colborn and Mike Shanahan	Heather English	Judith E. Hall	Julie Kelsey	Vincent Kerrigan	Mary Lou Peterson
Joanne A. Bergen	Thomas and June Colby	Sharon and Samuel Esterkyn	Marcia Hanamura	Barbara Kerr	Joel R. Kessler	Damon Phillips
Jean M. Biancalana	Nadja Cole	Daniel Ferrick	Jan Hansen	Kevin Kerr	Wendy Khoshnevis	David M. Phillips
Alice F. Bickers	D. J. Conley	Linda Ferris	Linda Hansen	McCullough Family Foundation	Steve Kimball	PIER 39 Limited Partnership
Cliff Bickford	Cecilia Connell	Bessie L. Fickel	Kathleen Hannah	Patricia McGinnis	Dana and Michael Kimsey	Susan Pilcher
Sheila Bigelow	Kimberly Cook	Cyndi Devereaux and Tom S. Fischer	Kathy Haranzo	Donald K. McKay	John King	Christine Z. Pira
Mary and James Birle	Robert V. Coombs	Janice Fischler	Karen and Rick Hargrove	Harry McKenzie	V. A. Kirby	Nelson E. Pletzer
Barbara Bishop	Terri Corbeil	Roger D. Fiske	June Harman	Gary and Marie Cargile	John Kolb	Judy Polatchek
Caroline V. Bissell	Kenneth A. Coren	Geraldine K. Flanagan-Weir	Roger Harrington	June Mellish	Barbara Kosnar	Carol W. Pollock
Peter Bjorklund	Portia Cornell	Barry Flicker	Ruth Hartmann	Barbara Meschi	David R. Krale	James Porter
Katherine H. Black	Kathleen Correia and Stephen Evans	Marilyn Flynn	Mrs. Frances B. Hasenyager	Marilyn Meyers	Kathryn Edward and Kermit Kubitz	Doug Post
Alan M. Blumkin	Gail Costa	John Ford	Angela Hatch	Sally Mikkelsen	Kraig L. Kurucz	James Powers
Denice C. Bocek	Kevin Craig	Marilyn Foster	Belle Hays	Laura Milleman	Marybeth La Motte	Henrietta M. Prehn
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Donald R. Brewer	John Crowley	David Freiberg	Cheryl L. Herwig	Antoinette Mitchell	Nan and John Leavell	Charles Purvis
Janice Bridgham		Rav and Sandra Freidel	Laurel and Randall Hickok	Renita Mock	Patrice M. Lee	Susan L. Ragon
		Carolyn Fremgen		Antonio Modica		Lenny Ramirez
				Beverly Moffett		Harry Rasmussen
				Nicole Montalbano		Gordon Ray
				Janet C. Moore		Abigail Reagan
				Matthew J. Morse		Thomas S. Reavely
						Carrie Reed

Carol Reinhardt and David Redfearn  
Wendy S. Reitherman  
Laura Reynolds  
James D. Richardson  
Ms. Laurose Richter  
Jane Rigg  
Dr. Jacqueline Robertson  
Nancy Rockey  
James Roeber  
Lucas Rroller  
Elizabeth Root  
Debra B. Rose  
Jonathan Rosenberg  
Larry E. Rosenberger  
Ellen Ross  
Sherrie L. Rozman  
Nile R. Runge  
Richard Saffir  
Katheryn W. Salter  
Steven Sarnoff  
John and Betsy  
Scarborough  
Peter Schick  
Mark Schlesinger  
Tracy M. Schmidt  
Diana P. Scholle  
Donna Jean R. Schramm  
Rebecca Lynn Schumann  
Anne Scioscia  
Norma and Charles Scott  
Charlene Selle  
Robert E. Selleck  
Leah Shadowens  
Dr. William Shapiro  
Fay M. Sharer  
Stefanie Sheehan  
Barbara N. Sheng  
Carl Sherrill  
Lon Simmons  
Hannelore Singley  
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Janet M. Sinnicks  
Susan and Barry Slosberg  
Jean A. Smith  
Patricia D. Smith  
William Snell  
Archie D. Soden  
Magda Soley  
Ken Sopjes  
Jay R. Sorensen  
Diana Soto  
Mary Souza  
James E. Spencer  
Clark Spink  
Suzanne W. Spradley  
Maria Starr  
Jon Starr

Linda Stephens  
Ronald I. Sterling  
Rebecca Burgess and Michael Stoddard  
Karen L. Strand  
Mary L. Strebl  
Susan Strong Davis  
Robert Strouse  
Emma and David Sugarman  
Theresa Sullivan  
Albert Susor  
Kit Tang  
William A. Tasto  
Robin Taylor and Sacha Holland  
John Taylor  
James C. Taylor  
Charlotte H. Taylor  
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Ginny and Richard Welsh  
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Penny Wilkins  
Michael Williams  
Glen Wilson  
Frank Wilson  
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Stephanie E. Winters  
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Edwin Woods  
J. A. Wunderlich  
Deborah Wyatt  
Anna and Frank Yang  
Mr. and Mrs. Mark Yudof  
Patricia Zajec  
Margo Zaugg  
Patricia Zebro  
Brian Zeiler  
Paul W. Zraggen

### TRIBUTE GIFTS

We gratefully recognize special gifts received in honor of these family members and friends:

Joan Adam  
Carolyn and Frank Adams  
Ali Bardowell  
Rudy Barnes  
Mike and Patty Barnett  
Daisy Batten  
Jonathan Bibb  
Laila Blavatnik  
Jeff Boehm  
Larry Brasesco  
Charity Calloway  
Charles Carleton  
Chris Carpenter  
Wiley and Ann Cheng  
Norma Clothier  
Pam and Jeff Cook  
Angus Cummings  
Alison Dejung  
Khan Delin  
Lars Delin  
Daniel Deniz  
Miriam Dower  
Helga Dumas

Griffin Feldman  
Kendra Ferguson  
George Fernbacher  
Waltraud Finch  
Dee Folkman  
Jennifer Franecke  
Howie Fry  
Gary Garofalo  
Florence and Steven Goldby  
Miranda Gottlieb  
Mushkil Gusha  
Abbey Harriss  
Madeline Hepp  
Matthew Heslin  
Peggy Hilden  
Barbara Hill  
Denise and Jeff Jenkins  
Isabella Johnson  
Steig Johnson  
Linda Johnson  
Karen Johnson-McKewan and Tom McKewan  
Cynthia Johnsun  
Brett Kail  
Bob Kaminski  
Keith Kane  
Randy Kaplan  
Ryan Kelting  
Lisa Kemp  
Patricia King  
Michael Kleeman  
Elise Kroeber  
Sofia Lault  
Kaitlyn Ledbetter  
Merrill Magowan  
Mark and Sunny McKee  
Tallulah Miller  
Emerson Miller  
Luc Mittelstaedt  
Irene Moran  
George Myers  
Megan Neal  
Gavin Newsom  
Shama Nibbe  
Scott, Melinda, & Emily Nichols  
Marsha Nichols  
Marina Nichols  
Walter Pully  
Gordon Poett  
Angelica Pritzen  
Sandra Quigley  
Michael Reed  
Elizabeth Reese  
Frederick & Gina Roeber  
Cynthia Schramm  
Jennifer Siebel

Candace and Treg Silkwood  
Kelly Slivka  
Colin Sloan  
Keenan and Nicole Smith  
Tallula Sorst  
Joy and Paul Soulier  
Sean Stevens  
Patrick and Kristie Sullivan  
Lucas Valiente  
Bill and Lynn Walters  
Ian Whatmough  
Beth Whitney  
Kristen Wolfe  
Brent Wright  
Dewayne  
The Rose Family  
Taylor and Megan  
Cam's Friends 2008  
Diesel  
Ethyl  
Keith

We respectfully recognize special gifts received in memory of these family members, friends, and pets:

Dylan Adams  
Gary Allums  
Sam Bale  
Janet Bartholomew  
Gisela Bigden-Fisher  
Joanne Bond  
Bob Bordin  
Larry Brasesco  
Felicia Brewer  
Daniel Chermack  
Sue Crossley  
Maggie Dellagatta  
Richard Epstein  
Griffin Feldman  
Gerald Foley  
Eve D. Fout  
Melinee Fowler  
Katie Gettman  
Anne Goulette  
Ganelle Griffin  
Audrey Gulland  
Marianne Jaeger  
Chelsea Johnson  
Phil Kaplan  
Laura Ann Kemmel  
Thomas Booth Kendall  
Ron Knutson  
Donald Leonard  
Jan Little  
Stanley Mathison

Ron Mende  
Aaron Micahnik  
Deane Oberste-Lehn  
Allie Parco  
Dave Pemberton  
Mark Platt  
Janice Price  
Laura Reighley  
Barbara Rogers  
Alma Scuderi  
Miranda Soliar  
John Stanley  
Patricia Sterling  
Holly Stevenson  
Angelique Stoliar  
Angela Traber  
Sue Whitaker  
David Williams  
Virginia Wilson  
Harold Yacowitz  
Dewayne  
Joanne  
Bond  
Sarah and Muffin  
Oatiears  
Barbara

### IN KIND GIFTS

Bonnie Brooks  
Linda and Tim Curtis  
Mrs. George Dyer  
Susan Grau  
Betty and William Hasler  
Beth Inadomi and Tim Newell  
Stan Keiser  
Kathy Kern  
Michael Kleeman  
Irene Lee  
Catherine Wollenberg-MacDonald and Richard D. MacDonald  
Cynthia Schramm  
Jack Uydess  
American Conservatory Theater  
Anthem Worldwide  
Butler, Shine, Stern & Partners  
California Pacific Limousines  
Double Forte  
Drakes Bay Fundraising  
Heitz Wine Cellars  
Hornblower Cruises  
J. A. Baulch & Associates  
KFOG

Mandalay Bay Resort and Casinos  
Marin Independent Journal  
Montclair Veterinairy Hospital  
Orrick, Herrington & Sutcliffe LLP  
PIER 39 Limited Partnership  
Rick Moonen's RM Seafood Restaurant, Mandalay Bay Resort  
Ritz Carlton San Francisco  
Sapient  
St. Supéry Vineyards & Winery  
Swirl  
Terra Incognita Tours  
Trefethen Family Winery  
Virgin Limousines

### BEQUESTS

Margaret Bregman  
Mr. David P. Coughlin  
Camen Maria Arreola Estate  
Ruth E. Benzing Revocable Trust  
Estate of Emily Bohm  
Estate of Ruth A. Davis  
Estate of Christopher W. Canino  
Estate of Elsie Laura Fries  
Barbara L. Johnson Trust  
Webster H. Kimball Trust  
Estate of Mildred Lillis  
Estate of Mary M. Maxwell  
Estate of Iris G. Mumford  
Estate of Deane Oberste-Lehn  
Estate of George A. Pomeroy  
Estate of Patricia Pratt  
Estate of Esther E. Price  
Richard H. Roupe Irrevocable Trust  
Estate of Myra Sloanaker  
Butler, Shine, Stern & Partners  
Stamm  
Patricia S. Sterling Charitable Trust I  
Estate of V. Alaie Teeling  
The Tobin Family Trust, Edward Tobin  
Estate of Grace Ann Varin  
Vern Torongo 2006 Revocable Trust

## CORPORATIONS AND FOUNDATIONS

### \$100,000+

Geoffrey C. Hughes Foundation, Inc.  
PIER 39 Limited Partnership

### \$50,000 - \$99,999

The Barkley Fund  
Elinor Patterson Baker Trust  
Fiduciary Trust International of California  
Firedoll Foundation  
Foren Family Foundation  
Irma Penniman Kahn Conservation Education Foundation  
Marin Community Foundation  
Schwab Charitable Fund  
Wallace Genetic Foundation, Inc.

### \$25,000 - \$49,999

Anonymous  
DMARLOU Foundation  
Fidelity Charitable Gift Fund  
Pacific Gas & Electric Company  
The San Francisco Foundation  
The Sato Foundation  
The Schow Foundation  
Silicon Valley Community Foundation  
Wilmington Trust Company

### \$10,000 - \$24,999

Anonymous  
The Atmos Foundation  
Bank of America  
Foster's Group  
The Ginn Family Foundation  
Marisla Foundation  
Orange County Community Foundation  
The Bernard Osher Foundation  
Eric Roberts Foundation  
Dr. Scholl Foundation  
The Valentine Foundation

### \$5,000 - \$9,999

The Ayco Charitable Foundation  
Charles Schwab & Co., Inc.  
Community Thrift Store  
The Dun Foundation  
J.W. & H.M. Goodman Family Charitable Foundation  
Jewish Community Endowment Fund  
Morris Animal Foundation  
Northern Trust

Orrick, Herrington & Sutcliffe LLP  
Pacific Service Credit Union  
The Robison Family Foundation  
Wells Fargo

### \$2,500 - \$4,999

Biedenharn Foundation  
Charles Schwab Institutional - IRA Plan  
Charles See Foundation  
The Community Foundation for Greater New Haven  
Community Foundation for Southern Arizona  
Constellation Energy Group Foundation  
Gonsalves & Stronck Construction Co., Inc.  
Walter & Elise Haas Fund  
Hayward Family Foundation  
Insignia Environmental  
The Jones-Smith Foundation  
Markmakers Foundation  
McCormick & Kuleto's  
The Gordon and Betty Moore Foundation  
Noll & Tam Architects/Scott Dennis, Architect  
The Overbrook Foundation  
Vanguard Charitable Endowment Program

### \$500 - \$2,499

The Active Network, Inc.  
American Endowment Foundation  
The Barnston-Koutsafis Foundation  
The Beagle Charitable Foundation  
Bernard Lewis Charitable Foundation  
Bishop Pine Fund  
The Black Dog Private Foundation Inc.  
Chevron  
Citi Global Impact Funding Trust, Inc.  
The E.D. Foundation  
The Fitzpatrick Foundation  
Edyne & Allen Gordon Foundation, Inc.  
Farese Family Foundation  
Fidelity Brokerage Services LLC  
Google  
Mr. Karl G. Estes Foundation  
Guarantee Mailing Services, LLC  
HalfWitWines.com  
Harris myCFO Foundation  
Horizons Foundation  
Independent Charities of America  
The James Irvine Foundation  
The Jewish Community Foundation  
Justgive.org  
Kazan, McClain, Abrams, Fernandez

The Kimball Foundation  
The Lawrence Foundation  
LoopNet  
Loring, Wolcott & Coolidge  
Lutheran Community Foundation  
Machiah Foundation  
Mandalay Bay Resort and Casinos  
Marin Country Day School  
Marin County Veterinary Medical Association (MCVMA)  
Marin French Cheese Company  
The Minneapolis Foundation  
MissionFish  
Monterey Bay Kayaks  
Morgan Stanley  
MPMM  
Nasaw Family Foundation  
Networkforgood.org  
Nossaman Guthner Knox & Elliott LLP  
Pacific Fighters  
Pacific Union Real Estate Group  
Paws Up Foundation  
Pershing  
Run100s  
San Francisco Day School  
Simon Edison Foundation, Inc.  
Smith Barney  
The Traverse Foundation  
The U.S. Charitable Gift Trust  
Truckee Tahoe Community Foundation  
Unilever Bestfoods North America  
Vallejo Charter School  
Valley Montessori School  
Vasicek Foundation  
Wilnot Wheeler Foundation, Inc.  
Zip O Log Mills, Inc.

## MATCHING GIFT AND WORKPLACE GIVING ORGANIZATIONS

4Charity Foundation  
Adobe Matching Gift Program  
Aetna Foundation  
AIG Matching Grants Program  
Allianz Global Risks US Insurance Company  
Allstate Giving Campaign  
Altria Group, Inc.  
AMD Matching Gift Program  
America's Charities  
American Express Foundation  
Amgen Foundation  
Anchor Brewing Co.  
Aon Foundation  
Applera Corporation  
AT&T Foundation

AT&T United Way Employee Giving Campaign  
Avon Products Foundation Inc.  
AXA Foundation  
Bank of America Foundation  
Bank of America United Way Campaign  
Bank of The West  
Barclays Global Investor  
BD Matching Gift Program  
Bell-Carter Foods, Inc.  
The Boeing Company  
BP Foundation, Inc.  
CA, Inc.  
Chevron Humankind Employee Funds  
Citigroup Foundation  
City of Seattle  
The Clorox Company Foundation  
CNA Foundation  
Countrywide  
DFS Group Limited  
DLA Piper US LLP  
Employee's Community Fund of the Boeing Company  
Environmental Federation of California  
Gap Inc. Giving/Matching Campaign  
GEICO  
Genentech Employee Giving Program  
Genentech Foundation for Biomedical Sciences  
Givingexpress Program from American Express  
GlaxoSmithKline Foundation  
Global Impact - Applied Materials  
Global Impact - BT Americas Employee Charitable Giving Program  
Global Impact - Hewlett Packard  
Global Impact - Morgan Stanley  
Global Impact - Symantec  
Global Impact - UBS Foundation USA  
Global Impact - Yahoo  
Google  
IBM Matching Grants Program  
Independent Charities of America  
Johnson & Johnson  
The JP Morgan Chase Foundation  
Justgive.org  
Kaiser Permanente Community Giving Campaign  
Latham & Watkins  
Lawrence Livermore Lab - UC  
Levi Strauss Foundation  
Local Independent Charities of America  
Macy's West  
Merrill Lynch & Co. Foundation  
Microsoft Giving Campaign Program  
Morgan Stanley  
Motorola Foundation

National Semiconductor  
The New York Times Company  
Foundation Matching Gifts Program  
Oracle Corporation Matching Gifts  
PC World Communications, Inc.  
Pfizer Foundation  
PG&E Campaign for the Community  
Philip Morris Companies, Inc.  
The Prudential Foundation  
Quadra Foundation  
Qualcomm Inc.  
Regence  
Salesforce.com Foundation  
Spanson  
Indiana State Employees Community Campaign  
Sun Microsystems  
T. Rowe Price Associate Foundation, Inc.  
Tenet Healthcare Foundation  
Together We Can Change the World, Inc.  
Union Bank  
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United Way  
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United Way of Fresno  
United Way of Los Angeles  
United Way of San Diego County  
United Way of The Bay Area  
United Way of the Capital Area  
United Way of the Inland Valleys  
United Way Silicon Valley  
United Way Special Distribution Account  
UnitedHealth Group  
Verizon Foundation  
Washington Mutual, Inc.  
Waters Corporation  
Wells Fargo Community Support Campaign  
Willis Lease Finance Corporation

## CORPORATE ROYALTY PARTNERS

Brown W. Cannon III  
Community Thrift Store  
Deborah R. Gabris  
Run100s

## VEHICLE DONATION PARTNER

Donate for Charity, Inc.

# FINANCIAL SUMMARY

September 30, 2008

## Statement of activities

### SUPPORT AND REVENUE

Membership dues	1,252,820
Contributions	9,171,628
Bequests	812,307
Endowment funds	94,009
Contributed services and equipment <sup>1</sup>	467,625
Educational programs	79,978
Veterinary contract fees	72,219
Store sales	388,544
Interest income	293,374
Other revenue	98,251
Special event revenue, net of expense	89,281
Realized and unrealized losses on investments	(120,860)
<b>Total Support and Revenue</b>	<b>12,699,176</b>

### EXPENDITURES

Program services:	
Veterinary science	2,828,100
Educational programs	1,408,466
Fundraising: Operations	986,629
Capital Campaign	234,366
Supporting Services	691,030
<b>Total Expenditures</b>	<b>6,148,591</b>
<b>Change in Net Assets <sup>2</sup></b>	<b>6,550,585</b>

(1) Not included are 72,736 hours of volunteer services, valued at \$680,809 based on California minimum wage, that were received during the fiscal year ended September 30, 2008.

(2) Net assets were used for construction of our Sausalito animal care facilities.

## Statement of financial position

### ASSETS

Cash and cash equivalents	1,583,796
Short-term investments	5,050,000
Contributions receivable	3,571,196
Investments at market	432,380
Inventories	121,115
Equipment and structures	26,158,583
Deposits and prepaid expenses	296,554
<b>Total Assets</b>	<b>37,213,624</b>

### LIABILITIES

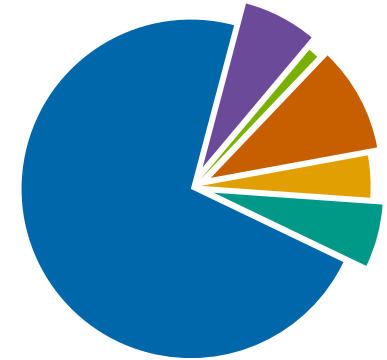
Accounts payable	3,391,968
Notes payable	2,375,000
Accrued liabilities	302,889
<b>Total Liabilities</b>	<b>6,069,857</b>

### NET ASSETS

Unrestricted	28,578,022
Temporarily restricted	1,936,853
Permanently restricted	628,892
<b>Total Net Assets</b>	<b>31,143,767</b>
<b>Total Liabilities and Net Assets</b>	<b>37,213,624</b>

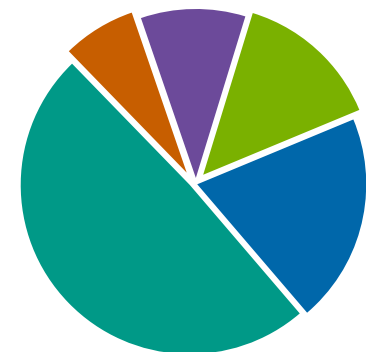
Audited financial statements for the year ended September 30, 2008, prepared by Louie & Wong, are available at The Marine Mammal Center's administrative offices, Chief Financial and Operations Officer, 415-289-7325.

## SUPPORT AND REVENUE



Contributions from foundations, corporations, government and individuals	72%
Membership dues	10%
Other Revenue	7%
Bequests	6%
Donated materials and services	4%
Program Revenue	1%

## EXPENDITURES



Veterinary science and animal rehabilitation	49%
Educational programs	20%
Fundraising-Operations	14%
Supporting Services	10%
Fundraising-Capital Campaign	7%



**The Marine  
Mammal Center™**

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Fort Cronkhite  
Sausalito, CA 94965-2619  
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F 415.289.7333  
[www.MarineMammalCenter.org](http://www.MarineMammalCenter.org)**

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T 831.633.6298  
F 831.633.5927**

**San Luis Obispo:  
1385 Main Street  
Morro Bay, CA 93442  
T 805.771.8300  
F 805.771.8304**

**Anchor Bay-Fort Bragg:  
T 415.289.SEAL**

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