Dear Friends,

Looking back at 2010, we are overwhelmed by our students’ accomplishments. Just a few of these successes included:

- Conducting research with scientists that led to our students publishing, in a scientific journal, methods to protect sea turtles that are now being tested around the world;
- 100% of our after-school program graduates continuing their education at schools like Brown, UC Berkeley, and UC San Diego;
- Middle and high school students recruiting their families and neighbors to transform a crime-ridden and environmentally degraded canyon into a community resource; and
- Elementary school students exploring the marine environment by engineering their own remotely operated vehicles and decoding DNA to identify species.

These successes were made possible in 2010 thanks to your commitment to Ocean Discovery Institute. Additional outcomes from our programs and services are outlined in this report. Please take a moment to explore our students’ unlimited potential and how they are making a difference.

We look forward to your continued support in 2011 as we empower even more students to become our future leaders.

Warmest wishes in the New Year,

Kurt Gering
Board Chair

Shara Fisler
Executive Director
Ocean Discovery Institute generates the spark that makes young people want to learn and empowers them to transform their lives through science. Young people learn through discovery. As they use science to discover the world around them, they discover themselves and their future as scientific and environmental leaders. Ocean Discovery Institute uses science exploration to engage youth from urban and diverse backgrounds in education, scientific research, and environmental stewardship.

We focus our efforts in one geographic area, City Heights in central San Diego, working to connect an entire community to science and conservation. Each year, we serve 5,000 young people with tuition-free programs, and are growing to serve over 20,000 individuals each year. We believe that these young people have unlimited potential and want to make a difference. Ultimately, their discoveries will reveal new ways to protect the ocean and nature, improve the health of our communities, and strengthen the quality of life in our world.
Community Initiative: Science Adventurers

By engaging the public in science relevant to their lives, this initiative inspires the community to inquire, investigate, and innovate. Science Adventurers reaches an entire community – toddlers through seniors – building scientific literacy through hands-on activities.

“I never imagined myself engaging thousands of people about today's most pressing water conservation issues. It was an awesome experience that I will never forget.”

–Isabel Herrera, Outreach team

Outreach team member Isabel Herrera educates children about the science of water conservation at the 2010 USA Science and Engineering Festival in Washington, D.C. Through her participation in after-school programs and support services, Isabel has realized her passion for teaching and has mentored younger students for the last two years, guiding them to make their own discoveries.
Community Initiative: Science Adventurers

**Highlights**

3,754 students participated in science activities.

Hosted local activity booths at the City Height’s Farmer’s Market and community Face Lift events.

Hosted national activities at the Science and Engineering Festival in Washington D.C.

**Number of Students Participating in the Community Initiatives**

With the addition of the Science Adventurers Initiative, we have been able to reach more students.

**Take Action!**

Want to help Ocean Discovery Institute increase scientific literacy in an entire community? Volunteer with Science Adventurers today!

For more information, email info@OceanDI.org or call us at 858.488.3849.
Community Initiative: Watershed Avengers

Habitat stewardship efforts are focused on six urban canyons in City Heights. This work is mobilizing the community to actively transform these canyons into safe and healthy places for urban youth to play, learn, and explore.

“As the Environmental Stewardship Discovery Fellow, I’m excited to be back leading my community in the restoration of our local natural environment, and raising awareness about conservation.”

-Tram Nguyen

Tram Nguyen performs restoration work in Swan Canyon alongside a young community member. Tram, who began as a student with Ocean Discovery Institute 7 years ago, graduated with a biology degree from UC Berkeley and chose to bring her passion back to her community by leading our environmental stewardship efforts.
Community Initiative: Watershed Avengers

Highlights

Watershed Avengers grew from engaging 190 participants in habitat restoration in 2009 to 890 participants in 2010. Event participants represented 7 corporate groups, including Ernst & Young, PETCO, and Qualcomm Incorporated.

Results show that native plant cover has increased by 59% since December 2009. 98% of event participants learned something new.

Square Footage of Native Plant Cover in Swan Canyon

<table>
<thead>
<tr>
<th></th>
<th>Pre-project</th>
<th>2009</th>
<th>2010</th>
</tr>
</thead>
<tbody>
<tr>
<td>Square Footage</td>
<td>1,632</td>
<td>3,754</td>
<td>6,362</td>
</tr>
</tbody>
</table>

Take Action!

Do you want to learn about City Heights’ canyons while helping to restore these valuable resources?

Regular volunteer opportunities are posted at: www.oceandiscoveryinstitute.org
School-Based Initiative: Ocean Science Explorers

By engaging children when their natural curiosity for science is high and continuing the program over four years, students develop the skills needed to become our future decision-makers and scientific workforce. Programs include professional development for teachers and curricula that is grade level specific and aligned with national and California state standards.

"Having real scientists as part of the program was a critical connection for the students."

-Mr. Dimapilis, 5th grade teacher

Paul Negulescu, Vice President of Research for Vertex Pharmaceuticals, shares his career path and conducts gel electrophoresis with 5th grade students. Supplies for this program were generously donated by long-time partner Life Technologies.
School-Based Initiative: Ocean Science Explorers

**Highlights**

2,255 students participated in science education.

72 teachers participated in professional development workshops.

Reached three additional elementary schools.

6 biotechnology companies worked hands-on with students through our Science, Technology, Engineering, and Math (STEM) Volunteer Corps.

**Average Increase in Science Content Assessments**

<table>
<thead>
<tr>
<th>Year</th>
<th>Increase</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009</td>
<td>20%</td>
</tr>
<tr>
<td>2010</td>
<td>47%</td>
</tr>
</tbody>
</table>

We revised our curriculum based on 2009 evaluation results, which led to an increase in understanding of scientific concepts.

**Take Action!**

Are you a STEM professional? Join our STEM Volunteer Corps and provide valuable opportunities for students to explore science and careers.

To register, visit [www.OceanDiscoveryInstitute.org/volunteer.php](http://www.OceanDiscoveryInstitute.org/volunteer.php) or email info@OceanDI.org for more information.
After-School Initiative: Ocean Leaders

Through a series of interconnected after-school and summer programs and support services, middle school through college-age youth are provided a pathway to progress toward college and careers in science and conservation.

“It is very important to know when you have an opportunity of a lifetime in front of you. When you do find it, the best thing to do is to hold on and not let go.”
– Yajaira Nuñez, Freshman at University of San Diego

Yajaira Nuñez conducts field research in Bahía de los Angeles, Mexico. Through a partnership with the National Science Foundation (NSF Award ID: GEO-0914711) and the University of San Diego, we were able to award the first ever four-year Ocean Leader scholarship to Yajaira to attend the University of San Diego.
Highlights

114 students participated in the Ocean Leaders Initiative.

Students received the Cox Conserves Heroes Award, Bank of America Student Leader Award, and the Gates Millennium Scholarship.

Through research with scientists, our students published in the *Marine Ecology Progress Series* and their methods to protect sea turtles are being tested globally.

2009-2010 Science Grade Point Average (GPA)

Ocean Leader students achieved higher science GPA’s relative to their peers.

100% of graduates enrolled in further education.

73% of Ocean Leaders who have declared a major, have done so in the science and environmental fields.

Take Action!

Are you passionate about the value of higher education? Volunteer to work one-on-one with students during our single day college preparation workshops.

For upcoming workshop dates, email info@OceanDI.org or call us at 858.488.3849.
Any opinions, findings, and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of our investors.
Donors

VISIONARY PATRONS ($100,000 and above)

LEADERSHIP CIRCLE ($50,000 and above)
Hervye Family Fund at The San Diego Foundation and The Leichtag Family Foundation at the Jewish Community Foundation of San Diego.

STEWARDSHIP CIRCLE ($10,000—$49,999)

EMPOWERMENT CIRCLE ($5,000—$9,999)

OPPORTUNITY CIRCLE ($1,000—$4,999)

EXPLORATION CIRCLE (below $1,000)
## Partners

### Academic Institutions
- California Center for Ocean Sciences Education Excellence
- Hopkins Marine Station of Stanford University
- San Diego State University
- Scripps Institution of Oceanography
- University of California, San Diego, Academic Connections
- University of Hawaii, Joint Institute for Marine and Atmospheric Studies
- University of San Diego

### Community Organizations
- Azalea Park Neighborhood Association
- Barrio Logan College Institute
- City Heights Recreation Center
- Museo de Naturaleza y Cultura, Bahía de los Ángeles
- North Swan Canyon Neighborhood Association
- San Diego Surf Lifesaving Association
- San Diego Workforce Partnership
- Swan Canyon Neighborhood Association, Inc.
- Volunteer San Diego

### Environmental Organizations
- Birch Aquarium at Scripps
- Chula Vista Nature Center
- Grupo Marino
- Grupo Tortuguero
- Project C.L.E.A.N.
- Pronatura & JABA
- San Diego Canyonlands
- Sierra Student Coalition
- Tijuana Estuary National Estuarine Research Reserve

### Government Agencies
- Comisión Nacional de Áreas Naturales Protegidas
- National Oceanic and Atmospheric Administration (NOAA)
- NOAA’s National Marine Fisheries Service
- NOAA, Pacific Island Fisheries Science Center
- NOAA, Southwest Fisheries Science Center
- Unified Port of San Diego
- The City of San Diego

### Schools
- Central Elementary School
- City Heights Educational Collaborative
- Euclid Elementary School
- Florence Joyner Elementary School
- Hamilton Elementary School
- Hoover High School
- Monroe Clark Middle School
- North Park Elementary School
- Rosa Parks Elementary School
- Rowan Elementary School
- San Diego Unified School District
- Wilson Middle School

### Companies And Corporations
- Carey Construction and Design
- Cook & Schmid
- Cooley Godward Kronish LLP
- Explorer Marine Services
- HC Consulting
- Hike, Bike, Kayak, Inc.
- La Jolla Kayak
- Life Technologies
- Marissa Dive Charters
- OTC International
- R.E.I.
- The Ken Blanchard Companies
- Vincent Burkhead Studios
- Cherry Pixel Productions

---

Community members restore City Heights’ canyons as part of National Trails Day, through a collaboration between Ocean Discovery Institute and REI. REI is a longtime supporter and partner, providing booths, giveaways, volunteers, and funding.
BOARD OF DIRECTORS
Kurt Gering, Board Chair
John E. Johns, Vice Chair
Sean Caddell
Tres Conrique
Robert G. Copeland
Scott Grimes, ex officio
Ted Griswold
Tom Klopack
Ileana Ovalle, ex officio
Niel Pollock
Don Starkey

Training Manager, Great Call, Inc.
President, Providence Marketing Corporation
Significant Property Specialist, Coast Sotheby’s Intl. Realty
Partner, Sheppard Mullin Richter & Hampton LLP
Program Officer, Endangered Habitats League
Attorney at Law, Procopio, Cory, Hargreaves & Savitch
President and CEO, Automedics Medical Systems, Inc.
Senior Manager, External Affairs, Cox
President, Nielsen Construction Ca., Inc.
Vice President & Senior Relationship Manager, Union Bank

FULL TIME STAFF
Shara Fisler
Lindsay Adamski
Joel Barkan
Anne Correia
Lindsay Goodwin
Elizabeth Horpedahl
Melissa Katigbak
Travis Kemnitz
Lara Meyer
Tram Nguyen
Jeri Nolan
Erika Pike
MacKenzie Wilson

Executive Director
Student Relations Assistant
After-School Programs Coordinator
Facilities Operations Manager
Director of Programs
Director of Development & Communications
After-School Programs Manager
Director of Student Relations
Operations Manager
Environmental Stewardship Discovery Fellow
School Programs Manager
Events & Communications Coordinator
Development & Executive Assistant

PART TIME STAFF & DISCOVERY FELLOWS
Shaan Akhtar, Carolina Barraza, Danielle Carter, Khanh-Chi Dam, Rochelle Mothokakobo, Jared Ocampo, Erick Ruiz, Santos Sillas, Cali Turner, and Rudy Vargas.

INTERNS
Melissa Chin, Leah Segui, Sydney Tureaud, Frankie Victoria, and Yajaira Nuñez.

COMMUNICATIONS COMMITTEE

CORPORATE COMMITTEE
Doreen Cropp, Brenda Fake, Kurt Gering, Ted Griswold, Hande Jones, Marie-Jose Kaasenbrood, Tom Klopack, Matthew McMahon, and Niel Pollock.

GALA COMMITTEE
Sean Caddell, Kurt Gering, Casey Hansen, Hande Jones, Marie-Jose Kaasenbrood, Adrienne Klopack, Guillermo Ladron, Cathy Lloyd-Bauerle, Stephanie Lloyd, Alberto Medina, Ileana Ovalle, Sorana Peterson, Peggy Soldner-Drew, Myrian Solis, and Jen Sporl.

SCIENTIFIC ADVISORS
Eric Cathcart, Dr. Paul Dayton, Dr. Mark Denny, Dr. Miguel Garcia-Guzman, Dr. Sarah Gray, Dr. John Mendlein, Dr. Yonat Swimmer, Dr. Drew Talley, Dr. Theresa Sinicrope Talley, Dr. John Wang, and Dr. Zhi-Yong (John) Yin.

EDUCATION & YOUTH DEVELOPMENT ADVISORS
Dr. Sandy Buczynski, Joe Malek, Dr. Carlos Nelson, Joe Ogilvie, Dr. Adam Pacal, Rachel Rabinor, Dr. Roxanne Ruzic, and Court Turner.

ENVIRONMENTAL ADVISORS
Jon Avery, Craig Hooker, and Jody Carey.

FAMILY ADVISORY COMMITTEE

YOUTH ADVISORY COUNCIL
Christian Castro, Abigail Figueroa, Daisy Mercado, Maria Puga, Jorge Rivera, and Carlos Rodriguez.

Councilmember Todd Gloria (center), alongside Ocean Discovery Institute staff, Jody Carey, and Dennis Wood at their annual staff retreat. The staff spent three days immersed in the City Heights community and culture.
2010 Financials

**Revenue**
- Corporate Contributions: $216,350
- Foundation Contributions: $252,200
- Fundraiser Contributions: $264,400
- Government Grants: $371,700
- Individual Contributions: $630,800
- Program Fees: $7,000
- **Total Revenue**: $1,742,450

**Expenses**
- Fundraising: $106,385
- Program Services: $1,071,500
- Administrative & General: $27,500
- **Total Expenses**: $1,205,385

**Net Revenue**: $537,065

**In-Kind Contributions**
- $123,018

**Volunteers**
- Over 850 volunteers
- Total volunteer hours: 6,704
- Total value of hours: $156,136
Thank you to our donors and volunteers who have given their time, financial support, and in-kind donations such as scientific equipment, electronics, and supplies. It is your support that empowers our students to make a difference in the world.

We could not do our work without your support!

2211 Pacific Beach Drive, Suite A
San Diego, CA 92109
858.488.3849 (tel) 858.488.4265 (fax)
www.OceanDiscoveryInstitute.org