



Lucila Castro, PBI conservation biologist, exploring biodiversity and wildlands in northern Argentina

### Knowledge Changes the Game

On a recent visit to downtown Seattle, I was awestruck by the sight of a peregrine falcon soaring high above city buildings. Nature's fastest animal, capable of flight speeds of more than 200 mph, this magnificent bird nearly disappeared forever only 30 years ago. Luckily, a huge effort to understand the science of the peregrine and the threats it faced brought this species back from the brink of extinction. The peregrine is one of the great success stories in biodiversity conservation. It may now be seen hunting and nesting in many natural areas, and, yes, even in big cities.

Many of us recognize that the loss of biodiversity, the diversity of life on earth, is one of the greatest problems of today. What most people don't realize is how little is known about biodiversity, and how this lack of knowledge stands in the way of conservation. Scientists estimate that we have discovered only 5-to-20 percent of all species on earth. And we understand only a small fraction of those species we have discovered.

Missing information is a serious handicap in solving the problem of biodiversity loss. We can't conserve what we don't understand. Unfortunately, in these difficult economic times, very little government funding is available for research on biodiversity. The important job of doing the science necessary for conservation has fallen to non-governmental organizations like Pacific Biodiversity Institute. PBI's work is critically important for saving the endangered species, the neglected biodiversity, still-wild habitats, and the as yet unknown species for future generations.

Whether we are studying the habitat needs of the imperiled western gray squirrel in eastern Washington, uncovering the mysteries of the harbor porpoise, a sentinel species in Puget Sound, or identifying the most biodiverse wildlands in South America, we are doing the absolutely essential job of finding out what we need to know to save these species, habitats, and ecosystems. We couldn't do any of this work without the help of our generous supporters and volunteers.

With your help, in the future, we will have plenty of conservation success stories to tell our children; and plenty of magnificent creatures—like the peregrine falcon—for them to enjoy.

President, Pacific Biodiversity Institute Board of Directors

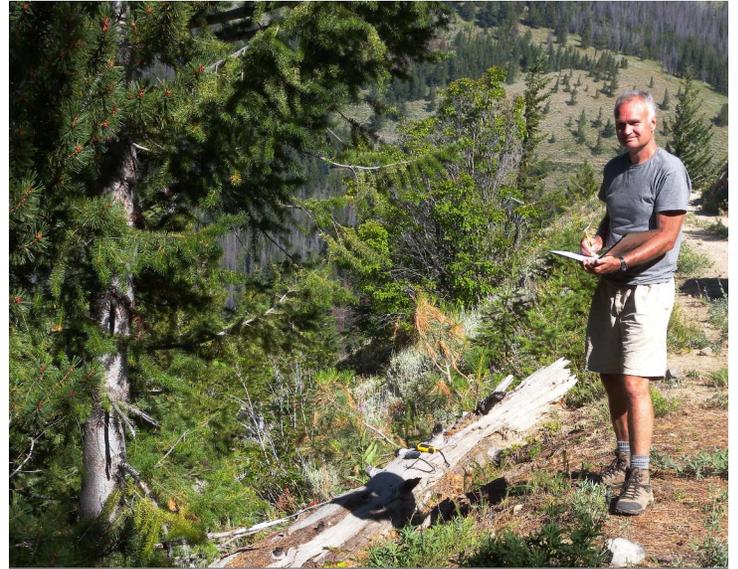
# Innovative Approaches to Biodiversity Conservation

*from the Salish Sea to South America*



**Harbor Porpoise Project**  
*Developing key information for a sentinel species*

PBI has led the way in recognizing that the porpoise is a sentinel species. It depends on the waters of the Salish Sea for its food, breeding and calving, and all other habitat needs. Our citizen science observers and acoustic monitors are helping us learn what the porpoise has to tell us about the health of the Salish Sea ecosystem.



**Ponderosa Pine - Western Gray Squirrel Project**  
*Defining the range of a threatened ecosystem and species*

Our research on this state-threatened species has enabled the WA Dept. of Fish and Wildlife, other agencies and NGOs to better understand the western gray squirrel population in the Methow Valley. Citizen scientists, like Craig Olson, are helping to ensure survival for the squirrel and the ponderosa pine ecosystem it depends upon.



**South America Wildlands and Biodiversity Project**  
*A critical assessment of the planet's greatest conservation opportunities*

South America contains the most critical reservoirs of biodiversity on earth. PBI is gathering detailed information on the status of wildlands on the South American continent in order to prioritize conservation opportunities that exist there. Working with volunteers, local scientists, agencies and conservation NGOs, PBI is evaluating each wild area's biodiversity values, irreplaceability and vulnerability.



**Washington Wildlands Project**  
*Finding the most biodiverse areas in Washington*

PBI has found that multiple-ownership roadless areas make an important contribution to statewide biodiversity. This information is an invaluable resource for long-term conservation planning. We have identified critical biodiversity hot spots that have not received the attention they deserve from most of the conservation community. PBI's work helps prioritize future conservation efforts.



**Left:** PBI's harbor porpoise observers at Burrows Pass. **Below:** Ari Thomas, our youngest citizen scientist, making a discovery unrelated to the western gray squirrel project.



## CITIZEN SCIENTISTS

We thank all of our volunteers and citizen scientists for their work during this last year.

### Harbor Porpoise Project

Phyllis Bravinder  
Chris Brown  
Alan and Fred Burke  
Anne Casperson  
Morty Cohen  
Andrea Doll  
Ed Ehler  
Suzanna Epler  
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Connie Walser  
Bob Weathers  
Regan Weeks  
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Cindy Young

### South America Wildlands Project

Grant Adams  
Loic Brepson  
Shelly Brook  
Lucila Castro  
Mark Darrach  
Nick Engelmann  
Lisa Evans  
Sherry Farmer  
Sarah Field  
Lyndsay Gordon  
Eric Harlow  
Kirsten Harma  
Trinity Ludwig  
Elizabeth Travers

### Western Gray Squirrel Project

John Alexios  
Joyce Bergen  
Kim Des Rochers  
Alan Gillespie  
Dorothy Hudson  
Ed Hudson  
Debbie Lewis  
Paula Mackrow  
Debbie Messinger  
Craig Olson  
Jason Smith  
Lorah Super  
Patricia Thomas  
Dan Weinstein

## SPECIAL THANKS

We thank the organizations and people who are partnering, advising or helping in various ways.

**Organizations:** ProYungas, Universidad Nacional de Chilecito, Instituto Ecologia Regional, Herbarium at Universidad Nacional de Tucuman, Universidad Nacional de Cordoba, Grupo de Conservacion Flamencos Altoandinos, Fundacion Yuchan.

**Individuals:** Ricardo Torres, Gisella Peralta, Alejandro Brown, Silvia Pacheco, Luciana Cristobal, Petu Foguet, Fernando Foguet, Jose Maria Chani, Rebecca Lobo, Ursula Diaz, Mercedes Ibanez Leon, Stephan Halloy, Alfredo Grau, Ashley Carrithers, TJ Carrithers, Ricardo Torres, Patricia Marconi, John Calambokidis, Ed McNamee, David Anderson, Mark Bunzel, Jason Wood, Shelby Proie, Joe Gaydos, Harriet Allen, Rob Fimbel, Josh Nichols, Matt Vander Haegen

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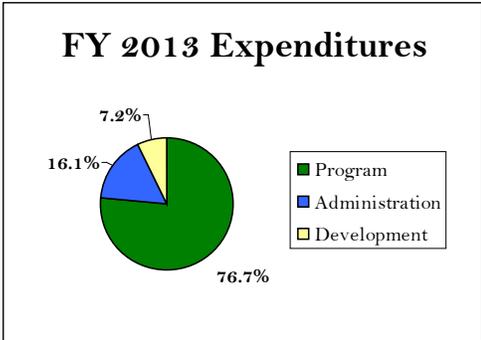




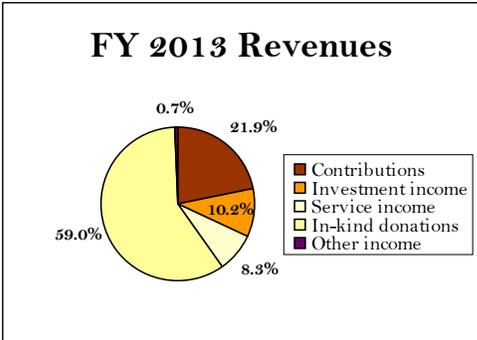
# FINANCIAL STATEMENT

## FOR THE FISCAL YEAR JUNE 30, 2012 - JULY 1, 2013

Pacific Biodiversity Institute takes great care to steward your gifts and use them wisely. We work hard to maximize our programs and keep our administrative and development costs as low as possible. Not included in our financial report are the contributions of our volunteer citizen scientists. These volunteers (including members of our board and advisory council) contributed over 9560 hours of skilled labor in FY 2013. These volunteer contributions make it possible for us to do much more with your gifts. We thank you for your trust and support, which enables us to continue to fill important knowledge gaps critical to conservation progress.



Program.....	\$195,969
Administration.....	\$41,200
Development.....	\$18,475
<b>Total Expenditures.....</b>	<b>\$255,644</b>



Contributions.....	\$28,846
Investment income.....	\$13,477
Service income.....	\$10,907
In-kind donations.....	\$77,904
Other income.....	\$862
<b>Total Revenue.....</b>	<b>\$131,996</b>



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