

## HABITAT RESTORATION ON THE PACIFIC SLOPE OF COSTA RICA



Research about the threatened Three-wattled Bellbird (*Procnias tricarunculatus*) led to concern regarding the loss of tropical forest habitat on the Pacific slope of Costa Rica. For six months each year, this iconic bird species requires forests for food and as breeding areas on the Pacific slope of Costa Rica.



Some species of trees are new to science, such as *Myrcianthes* “black fruit” of the Myrtaceae family. Our reforestation work is also providing important data regarding the cultivation and restoration of many species of tropical trees. The results are very hopeful. We have restored over 500 hectares of land and protected almost 100 hectares through direct purchase and conservation easements.



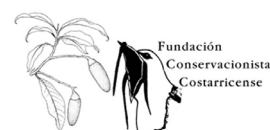
In 1998, we formed the **Fundación Conservacionista Costarricense** to protect habitat and restore abandoned pastures. In 2015, we joined forces with the Monteverde Institute.



To date, we have planted and distributed over 250,000 trees of native species that are restoring habitat and providing important resources for many species of flora and fauna.



Many groups and individuals have helped with our reforestation program including National Geographic Tours, G-Adventures, Collette Travel, Sun Tours, Change the World Kids, Terri Mallory, and the Adventure Girls.







## 20 YEARS LATER - LA CALANDRIA RESERVE

La Calandria 2002



La Calandria 2018



The first protected reserve was accomplished by the Mallory family and the purchase of 27 ha that were slated for development. The abandoned pasture and fragmented forest now is a thriving forest and home for bellbirds, mountain lions, rare mammals such as the paca, and many species of birds, orchids, butterflies, and other organisms.

### Wildlife Refuge Nacimiento y Vida

Purchased and protected in 2006, this reserve is now approaching forest land status.



2006

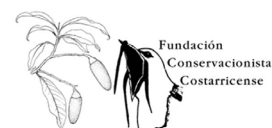


2017



Our protected reserves and conservation easements include La Calandria Reserve, Crandell Memorial Reserve, and the wildlife refuges Finca Rodriguez, Nacimiento y Vida, and San Bosco.

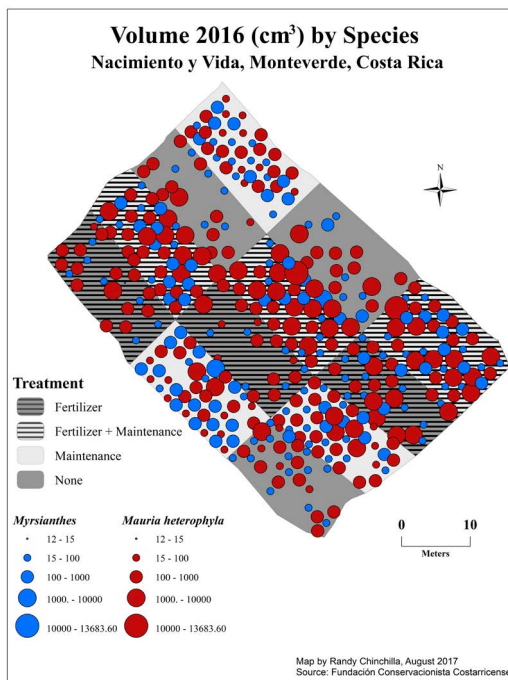
In addition, we collaborate with landowners with the implementation of conservation easements.



# ENVIRONMENTAL SERVICES

Forests are much more than a stand of trees.  
They provide many services for use by humans and other organisms:

Oxygen production  
Hydrological services  
CO2 sequestration  
Climate regulation  
Soil remediation  
Habitat & forage  
Wind protection



## RESEARCH AND PUBLICATIONS

Since 2010, we have investigated seedling survivorship and growth, CO2 sequestration rates, and tropical reforestation techniques. Our findings have been presented in publications and conferences.

The research of the bellbird has been featured in National Geographic, Audubon, Gizmodo, Tico Times, and in The Singing Life of Birds (by Don Kroodsma) and Bird Song (by Don Stapp). Publications have appeared in the Wilson Ornithological Journal, Biotropica, Molecular Ecology, Zeledonia, and Conservation Biology.



### Reforestation Team

(with trees planted in  
2003 in Ecological Refuge  
Finca Rodriguez)

We are grateful to all of the  
200 farmers and dedicated  
their lands to forest. We are  
deeply appreciative of all who  
have helped along the way .

If you would like to participate or  
support this effort, please donate  
through ..

US tax deductible donations via  
check should be made out to the  
Alliance for the Monteverde  
Institute (MVI) and sent to:

#### Ashley Gora

Treasurer of the Alliance for the MVI  
686 Laine St #B  
Monterey, CA 93940  
United States of America

