

The future of cross-border collaborations

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Outline

Island restoration:

A collaborative approach between countries

- Cross-border collaboration between US and Mexico
- Future of cross-border collaboration
 - Mexican legal framework
 - Role of CSOs, universities, donors, local communities

































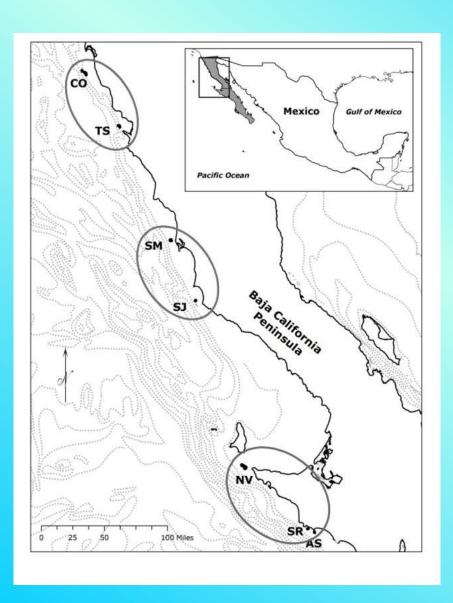








Seabird Restoration - Baja California Pacific Islands



Project outline:

- Long-term vision (2013-2017)
- 7 island groups (34-736 ha)
- 9 target seabird species
- Montrose Settlement Restoration Program and Luckenbach Trustee Council
- GECI, FMCN, Audubon, Cornell Lab of Ornithology, FWS, NOAA, NFWF, Fishermen Coops, Mexican Navy



Island Biosecurity Workshop for Protected Area Managers in Mexico

- •Ensenada, B.C. and Todos Santos Island, March, 2014
- •CONABIO-GEF, USFWS (Wildlife Without Borders), GECI









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Rio Colorado – *Tamarix* spp.

- Colorado River Delta Restoration Project
- Sonoran Institute, Pronatura Noroeste, Ecological Association of Users of the Colorado and Hardy Rivers (AEURHyC), Research Center for Nutrition and Development (CIAD), communities such as Cucapá, University of Arizona, University of Baja California
- SEMARNAT, CONANP, CONAGUA, CICESE, EPA, TNC, NFWF, Sonoran Joint Adventures, Alas del Delta, BOR, CILA, Geosystems Analysis, etc.

http://sonoraninstitute.org/component/docman/doc_view/1558-.html

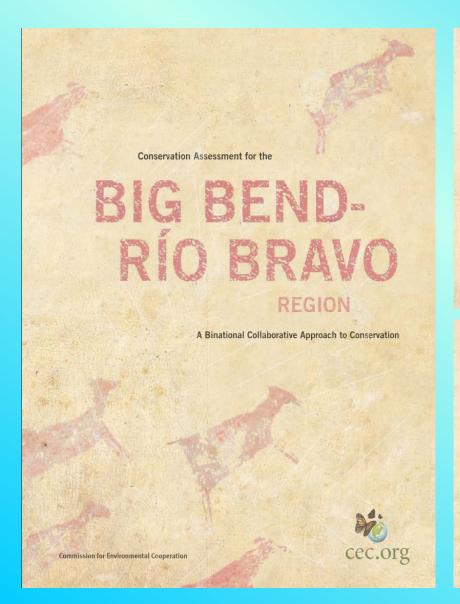


Rio Bravo - Tamarix spp. and Arundo donax



- USFWS
- National Park Service
- TNC
- Texas Parks and Wildlife Department
- CONANP (Natural Protected Areas)
- SEMARNAT (Ministry of Environment)
- INECC (National Institute of Ecology)
- National University of Mexico-Ecosystems Research Center
- USDA ARC
- Mexican Institute of Water Research
- University of Texas
- Texas A&M University
- World Wildlife Fund-HSBC

• CEC. 2014. Conservation Assessment for the Big Bend-Río Bravo Region: A Binational Collaborative Approach to Conservation. Montreal, QC: Commission for Environmental Cooperation. 106 pp.



Maria Dolores Wesson and Catherine Hallmich, CEC Secretariat leffery Rennett, National Park Service Carlos Alberto Sifuentes Lugo and Ángel Frias García, Comisión Nacional de Áreas Naturales Protegidas Aimee Michelle Roberson, US Fish and Wildlife Service Gary P. Garrett, Texas Parks and Wildlife Department Collaborating Authors Gerardo Arturo Bezanilla Enriquez, Universidad Autónoma de Chihuahua Mark Briggs, World Wildlife Fund Hernando Cabral Perdomo, World Wildlife Fund Mexico Rogelio Carrera, Universidad Autónoma de Nuevo León Claudia N. Castillo liménez, Comisión Nacional de Áreas Naturales Protegidas José Antonio Dávila Paulin, Comisión Nacional de Áreas Naturales Protegidas Juan Antonio Encina Dominguez, Universidad Autónoma Agraria Antonio Narro Alejandro Espinosa Treviño, Cemex César Alberto González-Zuarth, Universidad Autónoma de Campeche Louis Harveson, Sul Ross State University David Larson, National Park Service Mark Lockwood, Texas Parks and Wildlife Department Felix Lumbreras, Comisión Nacional de Áreas Naturales Protegidas Andrés Nájera Díaz, Universidad Autónoma Agraria Antonio Narro José Roberto Rodríguez Salazar, Grassland bird specialist Samuel Sandoval Solis, University of California, Davis Joseph Sirotnak, National Park Service Raymond Skiles, National Park Service Francisco Torralba González, Comisión Nacional de Áreas Naturales Protegidas Kevin Urbanczyk, Sul Ross State University

Elizabeth Verdecchia, International Boundary and Water Commission

Appendix: Participants in the Experts' Meeting

Jane Barr and Jürgen Hoth (editors) Jacqueline Fortson and Douglas Kirk (CEC editors) Gray Fraser (graphic design) Milsaela Vulpescu (reviewer) Eduardo Peters, Margarita Caso and Pablo Zamorano de Haro, Instituto Nacional de Ecologia y Cambio Climático Mario López Pérez, Carla Hernandez Rivas & Sergio Naranjo, Comisión Nacional del Agua Antonio Rascie. Fabile Microser Ávila & Ramiro Luilo. Comisión Internacional de Limitos y Arsan Gilbert Anava. International Boundary and Water Commission Patricia Koleff Osario and Ana Isabel Gonzalez, Comisión Nacional para el Conocimiento y Uso de la Biodiversidas Eglantina Canales Gutiérrez, Secretaria de Medioambiente del Gobierno de Coahuila Osvel Hinojosa, Pronatura Noroeste Gabriel Holschneider, Rainmaker Group Bonnie McKinney and Billy Pat McKinney, Cemex Guillermo Osuna, Conservadores de Ecosistemas del Puerto del Pino Robert Potts. The Dixon Water Foundation Lorenzo J. de Rosenzweig, Fondo Mexicano para la Conservación de la Naturaleza A.C. See the full list of the Experts' Meeting participants in the Appendix.

Technical Support

Listed by working group Alejandra Carrera Máynez, Socretaria de Medio Ambiente del Estado de Coalucila Margarita Caso Chávez, Instituto Nacional de Ecología Gary P. Garrett, Texas Parks and Wildlife Depart César Alberto González-Zuarth, Instituto EPOMEX, Universidad Autonoma de Campeche David Larson, Big Bend National Park, National Park Service Oscar Manuel Ramirez Flores, Comisión Nacional de Áreas Naturales Protegidas Gabino Adrián Rodriguez Almaraz, Universidad Autónoma de Nuevo León, Facultud de Ciencias Biológicas Raymond Skiles. Big Bend National Park, National Park Service Michael Boruff, Texas Parks and Wildlife Department Hernando Cabral Perdomo, World Wildlife Fund - Conservación Desierto Chihuahs Alejandro Espinosa Treviño, Cemex Jesús Guadalupe Franco-Pizana, Rio Grande Joint Venture Feliciano Javier Heredia Pineda. Pronatura Noreste A.C. Louis Harveson, Borderlands Research Institute, Sul Ross State University Erick Feline liménez Quiroz, Commission for Environmental Cooperation John Karges, The Naturo Conservancy Alberto Lafón Terrazas, Protección de la Fauna Mexicana A.C. Pablo Antonio Lavin Murcio, Universidad Autónoma de Ciudad Judee Alfonso Leal, US Department of Agriculture, Natural Resources Conservation Service Aimee Michelle Roberson. Descri Landscape Conservation Cooperative, US Fish and Wildlife Service José Roberto Rodriguez Salazar, Especialista en aves de pastizal Carlos Alberto Sifuentes Lugo, Comisión Nacional de Áreas Naturales Protegidas - Área de Protección de Flora y Fauna Maderas del Carmen

Hydrologic features Jeffery Bennett, Big Bend National Park, National Park Service Karen Chapman, Environment Defence Fund Robert Joseph, US Geological Survey, Texas Water Science Center Ramiro Luján G., Comisión Internacional de Limites y Aguas entre México y Estados Unidos Maricela Martinez Jiménez, Laboratorio Control Biológico de Plantas Acuáticas Exóticas Invasora Instituto Mexicano de Tecnología del Agua Sergio Alberto Naranio Macias. Comisión Nacional del Agua Helen M. Poulos, College of the Environment, Weslevan University Maria Rebeca Quiñonez-Piñón, ECORed Samuel Sandoval Solis, University of California, Davis John Christian (Jack) Schmidt III, US Geological Survey, Grand Canyon Monitoring and Research Center Raymond Skiles, Big Bend National Park, National Park Service Kevin Urbanczyk, Rio Grande Research Center, Sul Ross State University Elizabeth Verdecchia, International Boundary and Water Commission Maria Dolores Wesson, Commission for Environmental Cooperation Vegetation Juan Antonio Encina Dominguez, Universidad Autónoma Agraria Antonio Narro Juan Manuel Frausto Leyva, Fondo Mexicano para la Conservación de la Naturaleza Ángel Frias García, Comisión Nacional de Áreas Naturales Protegidas - Área de Protección de Flora y Fauna Cañón de Santa Flora Baruk Giovani Maldonado-Leal, Comisión Nacional Forestal - Departamanento de Manejo de Combustib Ignacio José March Mifsut. The Nature Conservancy Mexico and Northern Central America Albert Walter Miller, Miller Ranches Andrés Nájera Diaz, Universidad Autónoma Agraria Antonio Narro Joseph Sirotnak, Big Bend National Park, National Park Service Pablo Zamorano de Haro, Instituto Nacional de Ecología – Departamento de Ecología de Comunidades

Julian Portilla, Champlain College, Vermont

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Mexico's legislation regarding invasive species

 Well established framework - management of plant and animal quarantine pests through phytosanitary and zoosanitary norms:

The Ministry of Agriculture, Livestock, Rural Development, Fisheries and Food (SAGARPA) National Service of Agro-Alimentary Health, Safety and Quality (SENASICA)

Ministry of Health (SS)

 Base for the implementation of others applicable for invasive species - not necessarily a threat to agriculture or human health, but to the environment:

> Ministry of Environment and Natural Resources (SEMARNAT)

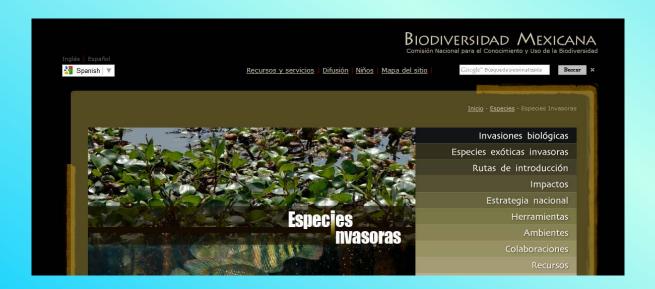
Natural Protected Areas Commission (CONANP)

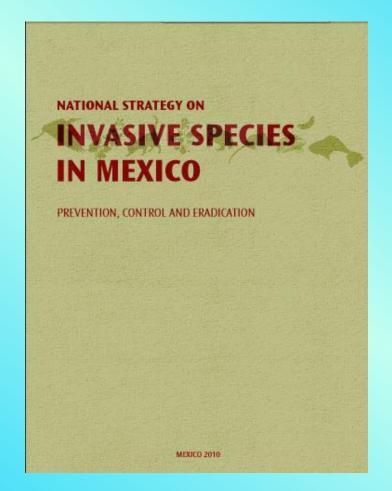
National Water Commission (CONAGUA)

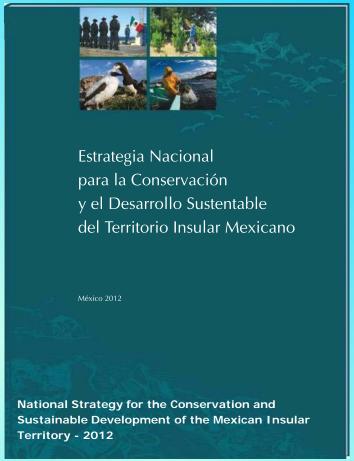
National Commission for Knowledge and Use of Biodiversity (CONABIO)

- Created in 1992
- In 2005, SEMARNAT designs CONABIO as the national leading institution on invasive species
- The Invasive Species Department was created in 2007:
 - Support the decision making
 - Follow up and collaboration on international initiatives
 - Funding projects
 - GEF project for invasive species in Mexico

Source: http://bugwoodcloud.org/mura/naisn/assets/File/documents/2010/Gonzalez.pdf







 The Global Environment Facility (GEF) through the United Nations Development Program and CONABIO is funding a program to implement the Mexican National Strategy for IAS

International Trilateral Cooperation





- Commission for Environmental Cooperation (CEC)
- At National and International level CONABIO is the Government Agency which coordinates and represents Mexico - IAS



Weeds Across Borders



- Biennial trilateral conference NA weed management and regulation
 - Federal Interagency Committee for the Management of Noxious and Exotic Weeds (FICMNEW)
 - CONABIO
 - Environment Canada Canadian Food Inspection Agency
- "North America: Building Collaboration Across International Borders –
 An overview from each country on addressing invasive species"

The future of cross-border collaboration

Government (Mexico)

- Leading agencies such as CONABIO and CONANP regarding IAS
- CONABIO integrates information, inform decisions, provide funding.
 Collaborates closely with SEMARNAT (DGVS) and CONANP.
- Other agencies as CONAGUA, SAGARPA if needed.
- Counterparts in US.

Non-government

- Civil society organizations, research and academic institutions, local communities – National and International donors
- Organisms such as the CEC could support collaborations
- Working through ecoregions could lead to make projects more attractive for funding
- Already some shared funds such as NFWF-USFWS (WWB)

http://www.fws.gov/invasives/partnerships.html; http://www.nfwf.org/pti.





- Letter of Intent Signed at 2014 Trilateral Meeting
- "Seeks to strengthen collaboration between Canada, Mexico, and the United States on the conservation and restoration of islands"
- "Cooperative activities to promote environmentally sustainable policies and effective methods in support of island conservation and restoration"
- Trinational Island Working Group working on Plan of Action

Trilateral Island Initiative

Working Table April 14, 2015









































Black rat eradication

- Murchison and Faraday Islands, BC, Canada, 2013
- Parks Canada Agency, National Fish and Wildlife Foundation, Island Conservation, GECI, advisors from NZ



NPS Sister Park Relationships

In recognition of shared plants, animals, and conservation interest.

- Big Bend NP/Maderas del Carmen BR & Cañón de Santa Elena PA
- Channel Islands NP/Isla Guadalupe NP
- Chiricahua/Coronado NMs/Ajos-Bavispe FR/WP
- White Sands NM/Cuatrociénegas BR
- Channel Islands NP/Bahía de Loreto NP

www.nps.gov/oia/topics/**sister**parks/by_Country.doc http://www.ecoalianzaloreto.org/pdfs/BuildingBridges-to-a-SustainableFuturev7.pdf





