

CFDA 15.641

## **Wildlife Without Borders - Mexico Summary of Projects 2006**

18 Grants Total FWS Funding: \$657,177 Total Leveraged Funds: \$1,366,349

### *Restoration and Conservation of the Forests of the Monarch Butterfly Biosphere Reserve.*

In partnership with ALTERNARE, A.C. Under this award, the recipient will implement 40 workshops for 200 participants, conduct weekly monitoring visits to the communities to supervise the implementation of community-developed work plans, monitor 24 work plans, implement 44 working sessions with local instructors, implement demonstration field work at the training center in the reserve, and establish cooperative agreements with other key players. FWS: \$50,000. Leveraged Funds: \$221,870.

### *Research and Strategy Implementation for the Conservation of Mexican Migratory and Endangered Bats.*

In partnership with Bioconservacion, Educacion y Ciencia, A.C. Under this award, the recipient will: gather data on the migratory process of several species of bats; monitor and survey bat populations in key priority caves along migratory corridors; document the genetic diversity, gene flow, and genetic structure of populations of endemic, endangered, and migratory bat species; gather data on habitat requirements and conservation status of three endemic, endangered species of bats: the Baja California fishing bat, the banana bat, and the flat-headed Myotis; and implement environmental education and public outreach activities. FWS: \$20,000. Leveraged Funds: \$67,000.

*Jaguar Camera Survey Contest.* In partnership with Defenders of Wildlife. Under this award, the recipient will: (1) promote the recovery of the jaguar through a significant portion of its historic range by expanding the population in Mexico and preserving habitat connectivity for dispersal and re-colonization into appropriate areas in the U.S.; (2) implement a jaguar camera survey contest as a vital component of a larger northern jaguar conservation plan; (3) obtain information about population size, spatial distribution and abundance of jaguar and other wildlife; (4) gain access to private lands that are not included in the current research area; (5) provide economic incentives for the continued presence of jaguar and counter local bounties; (6) engage landowners and ranchers in jaguar conservation; (7) build local tolerance for jaguar and a self-policing environment. FWS: \$37,371. Leveraged Funds \$11,634.

### *Strengthening the Conservation Education Program Through a Radio Program at the Montes Azules Biosphere Reserve, Selva Lacandon, Chiapas.*

In partnership with ECOBANCA, A.C. Under this award, the recipient will: Develop and produce ten radio programs (one hour each), addressing topics related to biodiversity conservation in a biosphere reserve; produce a training manual for each radio program to be used by teachers in local schools to reinforce concepts learned by schoolchildren; develop five theatre productions addressing these topics and present them at local schools; implement one workshop for teachers in the Miramar, Lacandon and Canadas regions; implement

two training workshops on how to use these training materials; conduct an evaluation of the project. FWS: \$35,000. Leveraged Funds \$38,398.

*Campeño Capacity Building and Training for Repopulating Degraded Areas with Native Forest Species of Economic Interest in the Selva Lacandona.* In partnership with Etnobiología para la Conservación, A.C. Under this award, the recipient will: implement restoration and reforestation activities in the Lacandon Rainforest using native plants; identify native plants with commercial value which could be sustainably harvested; provide training to local peasant rural farmers in the Lacandon Rainforest on restoration and reforestation techniques; and produce educational, training and public outreach material addressing the importance of restoring degraded habitats in the Lacandon Rainforest. FWS: \$30,000. Leveraged Funds: \$10,940.

*Campeña Capacity Building for Ecological Conservation and Restoration of Soils in the Chilapa region, Guerrero. Phase III: Spread Capacity Building (Restoration Proposal).* In partnership with Grupo de Estudios Ambientales, A.C. Under this award, the recipient will: train local rural peasant farmers in sustainable natural resource management; build ecological restoration demonstration plots in each of the communities involved in the project; develop indicators to monitor and measure impact; develop and implement community-based restoration work plans; develop and implement an outreach campaign to incorporate other communities into project activities; produce/distribute a training manual, a brochure, posters, radio spots, as well as implement at least six training workshops; and restore at least two hectares per community. FWS: \$46,000. Leveraged Funds: \$111,000.

*First Advanced Diplomado: Development and Application of GIS for the Conservation and Management of Natural Resources in Chiapas.* In partnership with Instituto para el Desarrollo Sustentable en Mesoamérica, A.C. The purpose of this project is to train Mexican reserve management personnel in the use of GIS to promote the conservation of natural resources in the Mexican state of Chiapas, Mexico. Under this award, the recipient will: implement a course for a minimum of 30 representatives from organizations; develop at least ten different GIS applications; produce a training manual. FWS: \$39,930. Leveraged Funds: \$28,400.

*Community Development in Three Micro-regions of the Selva Lacandon, Chiapas.* In partnership with Instituto para el Desarrollo Sustentable en Mesoamérica, A.C. Under this award, the recipient will: provide training for a core group of twelve extension workers on social organization and participation, sustainable development, and biodiversity conservation; implement sixteen training workshops for local rural peasant farmers in the Montes Azules Biosphere Reserve in Chiapas, Mexico; establish demonstration plots (20 restoration and 23 reforestation). FWS: \$35,000. Leveraged Funds: \$17,260.

*Mexican Wolf Introduction in Mexico: A Risk Assessment Process for Release Site Prioritization.* In partnership with NATURALIA, A.C. Under this award, the recipient will: implement a workshop to bring experts on the Mexican wolf together to develop effective release protocols; prioritize alternate sites based on an assessment of viability of

wolf populations released within them; and produce a protocol for successful release of Mexican wolves into high-priority sites. FWS: \$5,080. Leveraged Funds: \$9,520.

*Control of the Invasive Plant Arundo donax in Cuatro Ciénegas.* In partnership with Pronatura Noreste, A.C. Under this award, the recipient will: conduct invasive species control in this area; develop an operations plan to eradicate invasive species in the Refuge, including long-term monitoring to prevent the spread of invasive plant species in the Refuge; and implement an educational and public outreach campaign to increase public awareness about the importance of this unique biodiversity area, which is internationally recognized as a center for plant biodiversity and endemism in the world. FWS: \$40,000. Leveraged Funds: \$87,900.

*Conservation of the Black Bear (Ursus americanus eremicus) through Community Participation Programs in El Cielo Biosphere Reserve, Tamaulipas.* In partnership with Pronatura Noreste, A.C. Under this award, the recipient will: implement environmental education and training workshops for adults and children; train two technicians from the communities in El Cielo Biosphere Reserve in bear monitoring and tracking using radio collars; determine ecological patterns of the Black bears in the reserve; create a geographic information system for Black bears in the reserve; produce educational materials, including radio programs, scientific publications, television spots, and printed material related to Black bear conservation in El Cielo Biosphere Reserve. FWS: \$30,000. Leveraged Funds: \$57,950.

*Wildlife Education and Community Participation for the Sustainable Management of the Biodiversity in the Monarch Butterfly Biosphere Reserve.* In partnership with Red Mexicana de Organizaciones Campesinas Forestales, A.C. Under this award, the recipient will: 1) implement training workshops for representatives of 34 communities in the reserve; 2) produce 34 community-based action plans for the reserve; 3) create two local committees to provide continuous training to other members of the communities; 4) create two additional committees with local women to produce a manual on identification and use of mushrooms and medicinal plants in the reserve; 5) produce 100 brochures on biodiversity conservation in the reserve; 6) produce 68 brochures on the importance of protecting the monarch butterfly in the reserve; and 7) produce an assessment of the ecotourism potential in the area as well as an ecotourism development plan for these communities. FWS: \$44,809. Leveraged Funds: \$44,309.

*Create a Native Habitat Garden in Tijuana to Serve as Model Site to be used by Teachers and Promoters as an Educational Tool and to be Replicated in the Community.* In partnership with San Diego Natural History Museum. A project to promote conservation of Baja California's natural resources through building local capacity in schools, grassroots organizations and field extension workers in Tijuana, Mexico. FWS: \$25,000. Leveraged Funds: \$8,000.

*Bio-cultural Conservation of Threatened Plants and Wildlife Habitat in the Sinforosa-Uribe corridor of the Proposed Sierra Tarahumara Biosphere Reserve.* In partnership with Sierra Madre Alliance, Inc. Under this award, the recipient will: (1) Develop a

network of community proposed protected areas with local conservation plans for wildlife and native plants in the Sinforosa-Urique corridor as a model for regional conservation planning in the Sierra Tarahumara; (2) complete applied training for 18 community conservation assistants and in bio-cultural protected area planning and wildlife and plant conservation; (3) develop six ejido proposals which include core protected areas, endangered species protection, and habitat restoration; (4) develop local and regional proposals for addressing long-term wildlife conservation; (5) develop two proposals for environmental services payments and two eco-development proposals to promote wildlife and habitat conservation; and (6) implement four local micro-watershed restorations. FWS: \$44,000. Leveraged Funds: \$224,000.

*Community Work Focused on the Conservation and Management of the Dry Forests of the Oaxacan Coast.* In partnership with Sociedad para el Estudio de los Recursos Bioticos de Oaxaca, A.C. Under this award, the recipient will: establish an environmental education program in schools in two communities in this area; produce environmental education and public outreach materials to be distributed to the local communities; provide training to two women's groups in reforestation; promote alternative sources of energy to decrease dependency on firewood; and implement six workshops in local schools. FWS: \$35,000. Leveraged Funds: \$51,400.

*Strengthening Bi-national Cooperation Between US and Mexico for the Conservation of Biological Diversity Shared by the Two Nations through Production and Distribution of Environmental Education and Public Outreach Materials.* In partnership with Unidos para la Conservacion, A.C. The purpose of this cooperative agreement is to design, produce and distribute a report detailing the activities of the last ten years of projects and highlighting the successes of the joint SEMARNAT-FWS Wildlife Without Borders-Mexico grants program. The recipient will: (1) conduct research on successful U.S.-Mexico conservation projects, focusing on the past ten years of funding under the Service's Wildlife Without Borders joint grants program with the Government of Mexico; (2) design and produce top-quality educational and outreach material showcasing these successful projects; (3) distribute this material widely in Mexico to scientists, researchers, teachers, students, natural resource managers, policy makers, and other target groups; and (4) provide the technical expertise of a team of top-notch professionals in different disciplines. FWS: \$77,987. Leveraged Funds: \$82,000.

*Training Program on the Management and Contingency Response to Health and Disease of Wild Waterfowl and their Habitats.* In partnership with Wildlife Trust. The purpose of this project is to address waterfowl diseases at the regional level in North America, with a special emphasis on Avian Influenza. The recipient will: (1) conduct three training workshops in Mexico on surveillance for 60 Mexican technicians; (2) establish a network of labs in Mexico to focus on Avian Influenza surveillance/detection/control; and (3) coordinate a visit to Winnipeg, Canada's lab for four Mexican technicians. FWS: \$30,000. Leveraged Funds: \$60,000.

*Restoration of the California Condor to Baja, California.* In partnership with Zoological Society of San Diego. A project to reintroduce four to eight condors in 2006 into former

ranges into the Sierra San Pedro Martir mountains in northern Baja California, Mexico.  
FWS: \$32,000. Leveraged Funds: \$234,768.