



# Lower Colorado River Multi-Species Conservation Program

*Balancing Resource Use and Conservation*

## Fiscal Year 2011 Outreach Activities



November 2011

# Lower Colorado River Multi-Species Conservation Program Steering Committee Members

## **Federal Participant Group**

Bureau of Reclamation  
U.S. Fish and Wildlife Service  
National Park Service  
Bureau of Land Management  
Bureau of Indian Affairs  
Western Area Power Administration

## **Arizona Participant Group**

Arizona Department of Water Resources  
Arizona Electric Power Cooperative, Inc.  
Arizona Game and Fish Department  
Arizona Power Authority  
Central Arizona Water Conservation District  
Cibola Valley Irrigation and Drainage District  
City of Bullhead City  
City of Lake Havasu City  
City of Mesa  
City of Somerton  
City of Yuma  
Electrical District No. 3, Pinal County, Arizona  
Golden Shores Water Conservation District  
Mohave County Water Authority  
Mohave Valley Irrigation and Drainage District  
Mohave Water Conservation District  
North Gila Valley Irrigation and Drainage District  
Town of Fredonia  
Town of Thatcher  
Town of Wickenburg  
Salt River Project Agricultural Improvement and Power District  
Unit "B" Irrigation and Drainage District  
Wellton-Mohawk Irrigation and Drainage District  
Yuma County Water Users' Association  
Yuma Irrigation District  
Yuma Mesa Irrigation and Drainage District

## **Other Interested Parties Participant Group**

QuadState County Government Coalition  
Desert Wildlife Unlimited

## **California Participant Group**

California Department of Fish and Game  
City of Needles  
Coachella Valley Water District  
Colorado River Board of California  
Bard Water District  
Imperial Irrigation District  
Los Angeles Department of Water and Power  
Palo Verde Irrigation District  
San Diego County Water Authority  
Southern California Edison Company  
Southern California Public Power Authority  
The Metropolitan Water District of Southern California

## **Nevada Participant Group**

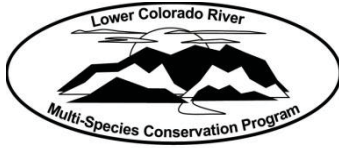
Colorado River Commission of Nevada  
Nevada Department of Wildlife  
Southern Nevada Water Authority  
Colorado River Commission Power Users  
Basic Water Company

## **Native American Participant Group**

Hualapai Tribe  
Colorado River Indian Tribes  
Chemehuevi Indian Tribe

## **Conservation Participant Group**

Ducks Unlimited  
Lower Colorado River RC&D Area, Inc.  
The Nature Conservancy



# Lower Colorado River Multi-Species Conservation Program

## Fiscal Year 2011 Outreach Activities

*Prepared by:*

Nathan Lenon, Program Management Group

Lower Colorado River  
Multi-Species Conservation Program  
Bureau of Reclamation  
Lower Colorado Region  
Boulder City, Nevada  
<http://www.lcrmscp.gov>

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## **ACRONYMS AND ABBREVIATIONS**

CRAB	Colorado River Aquatic Biologists
CRTR	Colorado River Terrestrial and Riparian Group
FY	fiscal year
LCR	lower Colorado River
LCR MSCP	Lower Colorado River Multi-Species Conservation Program
PIT	passive integrated transponder
Reclamation	Bureau of Reclamation
SLL	Sampling Large Landscapes
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey

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# INTRODUCTION

The Lower Colorado River Multi-Species Conservation Program (LCR MSCP) is a multi-stakeholder Federal and non-Federal partnership that seeks to balance the use of lower Colorado River (LCR) water resources with the conservation of native species and their habitats in compliance with the Endangered Species Act. This comprehensive program impacts many different groups, including the partner agencies and organizations represented on the LCR MSCP Steering Committee, the scientific community, local communities, Native American Tribes, farmers, recreationists, and the general public. A public outreach strategy was developed to communicate with and inform audiences of LCR MSCP implementation. As part of these efforts, the LCR MSCP reports annual outreach accomplishments.

In fiscal year (FY) 2011, public outreach program activities targeted each audience identified in the strategy. LCR MSCP Steering Committee outreach activities included a tour of LCR MSCP conservation areas and other related sites to inform the Steering Committee of implementation activities accomplished in the first 5 years of the program. Numerous scientific meetings were hosted in which LSCR MSCP staff presented new information on program accomplishments. In addition, a variety of public meetings and other outreach activities targeting local audiences were conducted to educate the public on the LCR MSCP. The public outreach program expanded to include the Youth Conservation Corps and volunteer activities not funded directly through the LCR MSCP partnership.



## **SCIENTIFIC INFORMATION SHARING**

With science and research at the forefront of the LCR MSCP, scientific meetings and conferences play a vital role in disseminating new information across specific, technical audiences. Staff and contractors attend, present at, and assist with organizing a number of scientific meetings/conferences throughout the year. During FY11, LCR MSCP sponsored the following science meetings:

### **Colorado River Aquatic Biologists Annual Meeting**

Dates: January 12–13, 2011

Location: Laughlin, Nevada

The Colorado River Aquatic Biologists (CRAB) is an informal group of mainly fisheries biologists, representing Federal, State, Tribal, and private entities, working in the Colorado River Basin. The group meets each January to share fisheries status updates, research status and findings, and to discuss topics of current importance pertaining to Colorado River fisheries. Presentations are generally focused on the Colorado River Basin from the Mexican border to Lake Powell.

LCR MSCP is strongly represented at this meeting with regard to native fish topics; however, sport fisheries topics are also important. CRAB is considered to be the main local venue for information sharing between fisheries workers involved with both native and sport fishes. In 2011, over 80 individuals attended the CRAB annual meeting, with at least 28 presentations and 1 panel discussion about Quagga mussels.

### **Colorado River Terrestrial and Riparian Annual Meeting**

Dates: January 25–27, 2011

Location: Laughlin, Nevada

The Colorado River Terrestrial and Riparian Group (CRTR) helps facilitate communication and information sharing among individuals or groups working with native restoration and natural resources monitoring and research related to the Lower Colorado River watershed. Organized through the LCR MSCP, an annual meeting is hosted by the CRTR members for any and all groups working on the river.

In 2011, the CRTR meeting was held from January 25–27. Over the course of the meeting, there were 39 technical and 2 general presentations, and 4 moderated group discussions were heard.



## **Western Bat Working Group**

Dates: April 4, 2011

Location: Las Vegas, Nevada

The LCR MSCP sponsored this year's annual meeting by providing technical assistance, graphic design for logos and programs, and printing services for conference materials. Four presentations were made by program staff or contractors, focusing on program-covered bat species.

## **Sampling Large Landscapes Workshop**

Dates: November 2–4, 2010

Location: Boulder City, Nevada (LCR MSCP Facility)

This LCR MSCP and U.S. Geological Survey (USGS) joint-sponsored workshop was held to bring together groups of researcher who use the double sampling method, or “Sampling Large Landscapes” (SLL) (utilizing a combination of both rapid area search assessments and intensive area search assessments), for avian monitoring in order to standardize techniques. This workshop included groups of researchers who perform bird surveys using this combined technique throughout the United States, Canada, and Mexico. Approximately 25 attendees participated in the workshop and included personnel from the Great Basin Bird Observatory, Southern Sierra Research Center, and Arizona Game and Fish Department (AGFD).

The workshop was broken into three parts. The first part provided an overview of the procedures used in the SLL method and suggested improvements. The discussion covered different methods used across the field of users. The second part covered geographic information system methods used to delineate survey areas and spatial analyses pertaining to avian sampling using the method. The third part of the workshop covered the use of analytic tools developed by USGS for interpreting data using the method, developing a process for making improvements to the SLL method, and standardizing the method across the community of users. An informal working group for the “Sampling Large Landscapes” method was also formed.

## **Bi-National Restoration Workshop**

Dates: March 2–4, 2011

Location: Yuma, Arizona

This workshop, sponsored by the Yuma Crossing National Heritage, the National Park Service, city of Yuma, Pro Natura Noresta, Fred Phillips Consulting, Southern Nevada Water Authority, the LCR MSCP, and the Bureau of Reclamation (Reclamation), is held annually to allow sharing of restoration

techniques and encourage partnership building. The bi-national 3-day workshop draws approximately 50 attendees and includes presentations on the LCR MSCP as well as restoration efforts underway in Mexico. This workshop combines both classroom discussions with onsite planting at the Yuma East Wetlands.

## Other Meeting Attendance

The following science meetings/conferences were not sponsored, but were attended by either an LCR MSCP staff member or contractor who presented an oral presentation or poster.

- Desert Fishes Council Meeting, Moab, Utah, November 2010
- American Fishery Society – Arizona/New Mexico Chapter Meeting, Pinetop, Arizona, February 2011
- Western Field Ornithologists 35<sup>th</sup> Annual Meeting – Palm Desert, California, October 2010
- Sonoran Joint Venture Annual Conference, Tucson, Arizona, December 2010

## Journal Publications

The following citation represents a scientific manuscript that was submitted for publication in peer-reviewed journals during FY11:

Calvert, A.W. and S.A. Neiswenter. *In Press*. New records of bats utilizing riparian restoration sites along the LCR. Manuscript submitted to the *Southwestern Association of Naturalists* for publication.

## TOURS

Implementing the LCR MSCP requires engaging partners who are as spread out geographically as are the conservation area and research sites within the program. One of the most effective ways to create an understanding of the work taking place at LCR MSCP conservation areas, as well as the program area at large, is through occasional tours of the projects and the surrounding communities.

During FY11, several tours were given for groups, including:

- **The Nature Conservancy**, December 1–3, 2010, Lower Gila River and Imperial Ponds
- **“The First Five Years River” (Steering Committee Group)**, March 14–18, 2011, numerous sites throughout the planning area, ranging from Yuma East Wetlands to Lake Mohave
- **Water Education Foundation**, March 16, 2011, Beal Lake Conservation Area on the Havasu National Wildlife Refuge



**Figure 1.—Bureau of Land Management employee looks through a spotting scope at Hart Mine Marsh (Cibola National Wildlife Refuge) during the spring 2011 tour for Steering Committee members.**



**Figure 2.—Tour group and LCR MSCP staff, Cottonwood Cove, Lake Mohave. March 18, 2011.**

## STAKEHOLDER AND COMMUNITY MEETINGS

With some 400 miles of river, three States, and numerous communities and landowners, the LCR MSCP deals with a variety of program and project stakeholders. Program staff and managers meet periodically with several stakeholder groups to keep current on local issues, coordinate program actions, and to address and mitigate potential project conflicts. Some examples of stakeholder meetings that the LCR MSCP is currently involved with include:

- Farmers Advisory Board (Palo Verde Irrigation District Chair)
- Imperial Dam Advisory Board
- Yuma Citizens Forum
- Borderlands Management Task Force
- Reclamation and U.S. Fish and Wildlife Service (USFWS) quarterly coordination meetings

## YOUTH CONSERVATION CORPS AND VOLUNTEER PROJECTS

In FY11, Reclamation was able to secure non-MSCP funding through the U.S. Department of the Interior’s “Youth Initiative” to employ three crews to work on facility maintenance, fish tagging, and riparian restoration projects in support of LCR MSCP work. This work was coordinated through a cooperative agreement with The Corps Network and yielded 2,560 hours of manual labor to the program as well as provided valuable field experience to 32 young people (ages 18–25) directly related to conservation.

### Bubbling Ponds Hatchery Maintenance and Native Fish Harvest

Participants: Coconino Rural Environment Corps, Ty Wolters, Jon Nelson, and Andrea Montony

Dates: November 1–12, 2010

Location: Cornville, Arizona

At this project, 16 young people were employed (2 groups of 8, 40 hours for each group, 640 total labor hours). During week one, the crew conducted brush removal and assisted with harvesting, sorting, and tagging native fish. During the following week, the crew constructed a fence around the hatchery to exclude river otters, which had been preying on the fish rearing ponds.



**Figure 3.—Coconino Rural Environment Corps members secure fencing to exclude river otters at Bubbling Ponds State Fish Hatchery.**





**Figure 4.—Southwest Conservation Corps members prepare HOBOT data logger units for deployment at Cibola Valley Conservation Area.**

## Vegetation and Wildlife Surveys

Participants: Southwest Conservation Corps, Dianne Bangle, and Phil Aurit  
Dates: January 18–February 4, 2011  
Location: Cibola Valley Conservation Area (CVCA), Palo Verde Ecological Reserve (PVER), and Cibola National Wildlife Refuge (CNWR)

The Southwest Conservation Corps (Tucson, Arizona) was hired for 4 weeks (8 individuals, 1,280 total labor hours) to install HOBOT data loggers that would monitor microclimate data (temperature, humidity, photosynthetic active radiation) within habitat creation areas at CVCA, PVER, CNWR, and Beal Lake Conservation Area. Following completion of their work, the group was able to dedicate several days to assisting with cataloging plant samples in the LCR MSCP herbarium study collection.

## Beal Lake Riparian Restoration

Participants: Coconino Rural Environment Corps and Ashlee Rudolph  
Dates: February 2–9, 2011  
Location: Beal Lake Conservation Area



**Figure 5.—Staff hydrologist, Ashlee Rudolph, conducts a safety briefing with Coconino Rural Environment Corps members at Beal Lake Conservation Area.**

The Coconino Rural Environment Corps (Flagstaff, Arizona) was hired for 2 weeks (8 individuals, 640 total labor hours) to clear an area adjacent to Beal Lake of salt cedar and to then collect, prepare, and plant harvested cottonwood and willow poles at Beal Lake Conservation Area.

## EDUCATIONAL OUTREACH

### National Job Shadow Day and [World Wetlands Day](#)

Participants: Nathan Lenon and Alex Stephens

Dates: February 2, 2011

Location: Las Vegas Wash Nature Center

February 2 is both National Job Shadow Day and World Wetland Day. To celebrate both themes, the LCR MSCP brought two ninth grade students from Las Vegas-based Faith Lutheran High School for a day out at the Las Vegas Wash Nature Center. The purpose of the event was to combine exposing urban youth to a wetland ecosystem while also introducing them to science-related careers in the Las Vegas area. The students were first given an overview of the LCR and its



**Figure 6.—LCR MSCP staff biologist demonstrates the use of a handheld global positioning system device at the Las Vegas Wash.**

associated water delivery, power generation, and connections with environmental issues. Students were partnered with various Reclamation programs based on their future career interests; LCR MSCP's students expressed future educational goals that included medical school and veterinary school.

Once paired with students, we quickly proceeded to the Las Vegas Wash Nature Center where we guided them on a nature walk through the restored desert wetland system. Along the trail, we discussed with the students and observed a variety of native plants, waterfowl, and shorebirds at the site, remarking at their adaptations to the local environment. We demonstrated the use of global positioning systems and identification of local wildlife using binoculars and field guides.

We then toured a series of ecology-based learning stations staffed by the [Las Vegas Wash Coordination Committee](#), as an educational event to celebrate "World Wetland Day," which coincided with the same date. Live reptiles, such as a variety of snakes, lizards, and toads were on display as well as a variety of animal bones, feathers, and fur.



## Felix J. Appleby Elementary School (Blythe, California)

Participants: Nathan Lenon, Phil Aurit, and Jesse Yonkovich

Dates: March 18 and April 21, 2011

Location: PVER

Reclamation was initially contacted by Mr. Yonkovich from Felix J. Appleby Elementary School (Appleby) who had been awarded several grants (non-LCR MSCP) to promote environmental education for school children in Blythe, California. This environmental education is taking place through Appleby, its funding partners, Reclamation, and through voluntary efforts from local scientists (Bertin Anderson – wildlife and Aaron Quist – soils).



Our first outdoor educational event with Appleby took place on March 18, 2011, at PVER. Approximately 60 fifth graders from Appleby were brought to the PVER nursery, under the supervision of their teachers, and Mr. Yonkovich. The children were led on a “nature walk” where we discussed the habitat, wildlife, plants, and historical conditions along the

Colorado River. The remainder of the day was broken into numerous “stations,” which smaller groups of students were rotated through to focus on various nature-related themes, with a break for lunch. Some of the stations included:

- Birds and insects
- Soil sampling
- Nature-themed poetry writing
- Jewelry making using native plants
- Modeling a watershed

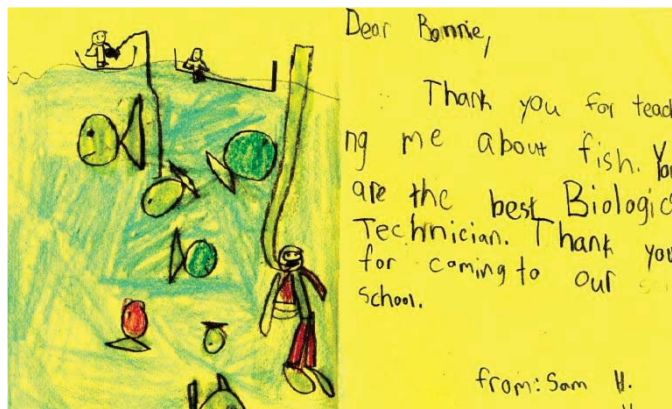
## William E. Ferron Elementary School Career Day

Participants: Bonnie Contreras

Dates: April 15, 2011

Bonnie Contreras, of the fisheries group, spoke to 75 students (grades K–2) through a series of three classroom presentations of approximately 25 students each. The focus of the presentations was fisheries and fisheries careers, with demonstrations of how hoop nets are used to capture fish. Discussion topics included fish

anatomy and fisheries collection techniques and also included an exercise during which the students drew fish anatomy and labeled various body parts.



**Figure 7.—Thank you note from William E. Ferron Elementary School student to biological technician, Bonnie Contreras.**

## Boy Scouts of America – Mammal Studies Merit Badge

Participants: Allen Calvert

Dates: March 5, 15, 26, and April 2, 2011

Location: Las Vegas Wash

LCR MSCP staff biologist, Allen Calvert, taught the “Mammal Studies” merit badge course to 21 Boy Scout troops from Boulder City and Henderson, Nevada. The program took place over four sessions, combining classroom learning, a field trip, and a community service project.

During the first weekly session ( #1), the scouts were introduced to biological concepts and definitions, including the “animal kingdom,” “invertebrates,” “vertebrates,” and “mammals” and given homework assignments. Session #2 included a field trip where students were able to see mammals up close and take photographs and notes on their characteristics. During session #3, the scouts reviewed what they had learned in the classroom and field trip as well as handed in their assignments. During the final session (#4), the scouts participated in a community service project, an annual Las Vegas Wash “Green Up” volunteer planting event, which improves habitat for many species, including small mammals. The requirements for the merit badge followed the requirements established by the [Boy Scouts of America](#).

## SPECIAL EVENTS

### Colorado River Water Users Association Annual Conference

Participants: Laura Vecerina, Nathan Lenon, and Andrea Montony

Dates: December 15–17, 2010

Location: Las Vegas, Nevada

The Colorado River Water Users Association “is a non-profit, non-partisan group formed to study, formulate, and advise on ways to protect and safeguard the interests of all who use the Colorado River.” Their annual meeting in Las Vegas draws hundreds of interested parties to discuss issues related to accounting, ongoing and new issues in water law, municipal reuse and conservation programs, and many other issues related to water use along the Colorado River. The LCR MSCP has hosted an exhibit booth annually for this event, and this year was no exception.

We hosted a standard 10 x 10-foot exhibit booth, with an emphasis on fisheries. Hands-on materials included an aquarium with a rope covered with live Quagga mussels, a passive integrated transponder (PIT) tag scanner system (used to scan captured fish for tags), a hydrolab water quality probe, acrylic native fish models, and a 4-panel banner display backdrop. Program fact sheets, as well as LCR MSCP bookmarks, were made available. Underwater video footage of razorback suckers below Hoover Dam was on display to bring some additional “life” to the booth.



**Figure 8.—Staff biologist, Nathan Lenon, demonstrates the use of passive integrated transponder tags with a conference participant.**

## Yuma Birding & Nature Festival

Participants: Nathan Lenon, Joe Kahl, and Phil Aurit

Dates: April 13–16, 2011

The LCR MSCP was one of the sponsors for this year's festival, attracting hundreds of people to explore wildlife along the LCR. The festival featured exhibit booths, informational seminars, and numerous field trips designed to both educate and entertain as well as provide participants with unique opportunities to



**Figure 9.—Bat researcher, Lin Piest (Arizona Game and Fish Department), explains biological adaptations of the bat, *Myotis californicus*, during an evening excursion during the Yuma Birding & Nature Festival.**

(Photo courtesy of Anthony F. Patterson)

observe wildlife in their habitats. The Yuma Visitors Authority was the event producer.

We hosted an exhibit booth, provided drivers for about 5 tours, provided an overview presentation of the LCR MSCP during the seminar sessions, and hosted a tour with the Imperial National Wildlife Refuge. The tours we assisted with included a boating tour through LCR marshes upstream of Imperial Dam (Bureau of Land Management, a bat mist-netting demonstration

on the Barry Goldwater Range (AGFD), morning birding at Imperial National Wildlife Refuge (USFWS), a birding by ear class at Betty's Kitchen, and an evening bird walk along the East Yuma Wetlands where we helped identify birds.

The festival attendees included a mixture of retiree bird watching enthusiasts from the Southwest United States and local (Yuma) nature lovers. Many festival goers were highly skilled at identifying birds by both sound and sight. On one day, one Yuma elementary school also brought about 100 first graders through the exhibit hall for several hours.



## Mandalay Bay “Party for the Planet”

Participants: Andi Montony and Jeff Anderson

Dates: April 22, 2011

In observance of Earth Day, LCR MSCP fisheries staff participated in the “Party for the Planet” at Mandalay Bay Casino in Las Vegas, Nevada, outside of the entrance to the Shark Reef (aquarium).

Staff set up a trammel net and used a toy fish to demonstrate how fish are monitored. A felt board, depicting covered species and their respective habitats, was also created to allow participants to match them together. Approximately 300 participants visited the booth, consisting mostly of children. Attendance was mixed between Las Vegas locals and tourists.



**Figure 10.—Stella Finnegan (5 years old) holds a model of an endangered bonytail at the Earth Day-themed event.**

## Las Vegas Science Expo

Participants: Phil Aurit, Nathan Lenon, and Brittany Stubitz

Dates: May 7, 2011

The first-ever Las Vegas Science Festival was held from May 1–7, 2011, which coordinated science-based activities, ranging from tours of facilities like cryogenic laboratories, museums, and wildlife refuges, to science and technology presentations in K–12 classrooms, college, and public lectures, and finally ending with the Science Expo on Saturday, May 7, 2011. The Las Vegas Science Festival was presented by the Las Vegas Natural History Museum in partnership with the Clark County School District, University of Nevada, Las Vegas, and the Desert Research Institute along with 80 other science organizations in Southern Nevada.

The Science Expo, touted as “the biggest celebration of science and technology ever in southern Nevada” ([www.lasvegassciencefestival.com](http://www.lasvegassciencefestival.com) event program) was the final event of the first-ever “Las Vegas Science Festival.” The event boasted over 60 science-based organizations for the free day of all ages hands-on demonstrations of science-based activities and was anticipating upwards of 10,000 Las Vegas locals in attendance. According to the Las Vegas Sun, “about 3,000 people attended the expo just in the first two hours” (Hansen 2011).

## Fiscal Year 2011 Outreach Activities

Reclamation's booth, shared between the Resource Management Office and the LCR MSCP Office, emphasized aquatic biology. One message focused on



**Figure 11.—Brittany Stubitz (Resource Management Office) shows local children Quagga mussel-covered objects taken from Lake Mead.**

educating people about how Quagga mussels and other aquatic “hitchhikers” can spread from one water body to another (quite often on boats or in bilge water) and the impacts these organisms can have when they become established in a new water body. We demonstrated how aggressive the invasive Quagga mussels have become along the LCR by pointing to a Quagga-encrusted boat propeller and dock rope that were collected from Lake Mead.

The booth also featured models of the four “big river” endangered fishes of the Colorado River, including two LCR MSCP-covered species (razorback sucker and bonytail), which children were invited to scan for PIT tags using the actual scanning units used by LCR MSCP fisheries biologists.

## OUTREACH MATERIALS

### Highlight Report

As FY10 marked the fifth anniversary of LCR MSCP implementation, this year served as a time for reflection on the many program accomplishments that have already been realized. To summarize the accomplishments during the first 5 years, a full color “Program Highlights 2005–2010” report was prepared and distributed to the Steering Committee in March 2011. This 23-page publication provided an overview of the current status of conservation area development, the fish augmentation program, species research and monitoring, and the adaptive management program. A generalized summary of program funding and Steering Committee participation was included as well.

### Program Fact Sheets

In preparation for the “First 5-Years” Steering Committee Tour in March 2011, we prepared a tour booklet with updated fact sheets on conservation areas, covered species, and vegetation. Since March, the nine individual fact sheets have been re-printed as 2-sided color handouts on specific covered species or species guilds. Building and maintaining a standing inventory of a wide range of program fact sheets both enhances the delivery of consistent technical content as well as increases the flexibility to custom tailor presentations to various themes, event formats, and audiences.

### Logo-Branded Products

During FY11, LCR MSCP purchased an assortment of logo-branded products to give to attendees and participants of various outreach events and tours to raise awareness about the program. Usable products were branded with the official LCR MSCP program logo, the Web site URL, and the tagline, “balancing resource use and conservation.”<sup>1</sup> The selection of promotional items was centered on reinforcing the message of conservation with the products themselves by promoting re-use, use of recycled materials, and responsible enjoyment of the outdoors as well as science education. Some examples of the products included BPA-free, USA-made recyclable water bottles; brightly colored re-usable/recycled grocery tote bags; and rulers for kids.



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<sup>1</sup> In several instances with smaller items, the limited printable space on the item prevented fitting all three elements on the item; in which case, only the program logo and Web site URL were branded.



## Fiscal Year 2011 Outreach Activities

Table 1.—Logo-branded promotional items purchased for the LCR MSCP

Item description	Color	Imprinting	Quantity
Recycled grocery tote bags	Orange with white imprinting	Logo, tag line, Web site	500
17-ounce stainless water bottle	Orange with white imprinting	Logo, tag line	100
28-ounce poly water bottle; made in USA, recyclable	Translucent smoke with white imprinting	Logo, tag line, Web site	265
16-ounce travel mug	Silver with process blue imprint	Logo, tag line, Web site	100
3-inch large carabineer	Blue with white laser engraving	Web site, tag line	250
12-inch ruler	Translucent blue with white imprint	Logo, tag line, Web site	500

## Conference and Presentation Equipment

During FY11, we made some small purchases of conference and display equipment to improve the appearance of LCR MSCP exhibits and to improve message delivery. The following are the main purchases of presentation equipment made during the year:

- Collapsible 6-magazine rack to display fact sheets, reports, and handouts at conferences and events
- Two adjustable poster display cases for displaying/protecting technical posters at conferences and events

## Educational Materials

The program thus far does not include any specific and tangible educational activities to introduce students to the purpose and objectives of the LCR MSCP and the related conservation issues. While several classroom and school field trips have occurred, these have generally been more focused on conservation careers or have played a supportive role with teachers following established environmental curricula (such as project WILD). We are starting to put together several “scientist for a day” activity sets, which are modeled after environmental education efforts established by the Las Vegas Wash Coordination Committee. During FY11, we purchased the following items to use with future “scientist for a day” activities:

## Fiscal Year 2011 Outreach Activities

- A set of six children's field backpacks to be equipped with "scientist for a day" tools (binoculars, field notebook, etc.)
- An assortment of children's field guides (birds, animal tracks, trees)
- Animal track rubbing plates that can be used to learn about spotting animal signs in nature

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