

MAKING A DIFFERENCE



BLM'S
1998
VOLUNTEER
ANNUAL
REPORT



U.S. Department of the Interior • Bureau of Land Management

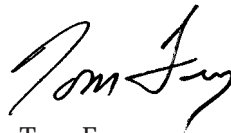


Betty's Kitchen Protective Association volunteers taught schoolchildren about the area's wildlife, Arizona.

To Our Volunteers

It is with great pleasure and pride that I present this report of remarkable volunteer contributions on behalf of BLM's public lands in 1998. BLM's challenges in managing 264 million acres of land containing countless natural and cultural resources are being met with the assistance of thousands of volunteers like you who take seriously their citizens' responsibilities to care for our nation's treasures. You are the heroes and heroines of public lands stewardship.

You are an impressive and inspirational group of people. Your hard work and generosity with your time and talents is characteristic of what has made our nation great. I thank you, on behalf of BLM and all Americans, for your contributions and dedication. Each and every one of you makes a difference!



Tom Fry
Deputy Director



An environmental science class from Laurel High School, Montana, helped improve wildlife habitat by planting trees at the Altman Confluence Tract.

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Girl Scouts donned hardhats and headlamps to scrub graffiti off the walls of Gypsum Cave, Idaho.

BLM's 1998 Volunteer Program



Volunteers cleaned up trash from the Colorado River during the Reverse River Run, Arizona.

BLM's 1998 Volunteer Program

This year was a tremendously successful one for BLM's volunteer program. Some 23,625 individuals contributed their time and energies to improve our public lands. These dedicated volunteers donated more than 1,345,882 hours of work, the equivalent of 748 work years! The monetary worth of our volunteers' commitments is conservatively valued at \$19,246,112. Without our volunteers and partners, BLM could not provide the wide range of services and amenities that public land users enjoy, nor manage the resources in our care nearly as well.

Volunteers are among our most respected and valued resources. They pitch in and help whenever and wherever there's a need, bringing experience, enthusiasm and appreciation for the resources and lands that BLM manages. Volunteers are also important links to BLM's neighbors and local communities. These dedicated individuals are inspirations and role models, demonstrating that citizens can make a difference through service to their country.

We salute our volunteers and thank them sincerely for all they do!

Volunteer Activity for Fiscal Years 1991-1998

	1991	1992	1993	1994	1995	1996	1997	1998
Total Participants	22,962	23,507	24,619	19,431	19,626	16,880	20,145	23,625
Total Hours	1,301,089	1,354,951	1,237,263	1,333,359	1,219,489	1,097,115	1,149,294	1,355,130
Value to BLM (\$)	15,198,818	16,415,247	14,500,132	15,233,310	13,602,369	12,369,325	14,428,428	19,378,359*
Work-Years	723	753	687	741	677	609	638	753
Average Hours per Volunteer	57	58	50	69	62	68	57	57
Value of One Work Hour (\$)	11.68	12.12	11.72	11.42	11.15	11.27	12.55	14.30**
Value of One Work Year (\$)	21,027	21,807	21,095	20,565	20,077	18,413	22,615	25,735

*The 1998 volunteer program was accomplished at a cost of \$1,757,894 to BLM, a return of about \$11.00 to every \$1.00 expended.

**Beginning in 1998, the value of volunteer contributions was calculated at the rate of \$14.30 per hour, a figure calculated by the Independent Sector (<http://www.indepsec.org>), a national leadership forum committed to volunteerism and citizen action. The amount was derived by taking the average hourly wage for non-agricultural workers in 1998, as published in the *Economic Report of the President (1999 Edition)*, and adding 12 percent for estimated fringe benefits. The National Park Service and the Natural Resources Conservation Service also use this figure to calculate the value of their volunteers' services.

National Totals

Program	Volunteer Hours	Hosted Worker Hours	Total Hours	Percentage of Program
Recreation	481,734	60,947	542,681	40
Biological Resources	119,884	182,160	302,044	22
Wild Horse and Burro	40,868	48,592	89,460	7
Cadastral Survey	8,240	-	8,240	1
Wilderness	18,428	1,920	20,348	2
Riparian/Watershed	42,206	6,516	48,722	4
Cultural/Historical	111,446	7,390	118,836	9
Minerals	10,874	1,965	12,839	1
Support Services	59,158	40,630	99,788	7
Environmental Education/ Interpretation	54,183	9,217	63,400	4
Other	32,683	6,841	39,524	3
Total	979,704	366,178	1,345,882	100

The term “volunteer” as used in the text of this report includes “hosted workers.” Volunteers work for BLM without being paid. They donate their time and, in some cases, equipment and money to assist BLM with a variety of jobs. Hosted workers, on the other

hand, are paid by another organization, but work for BLM at no charge. Hosted workers made up about 27 percent of the total volunteer time in 1998. Their contributions are included in the State and National Totals tables.

Thanks to Our Partners!

Many organizations volunteer their membership's time, talents, materials, and funds to assist BLM in reaching shared goals. Numerous corporations and small businesses likewise make significant contributions to volunteer

projects on public lands. From organizing events to supplying the sodas and building materials, BLM's partners make volunteer projects a reality. BLM sincerely appreciates the partners who help us care for the public lands.

American Hiking Society

Americorps

Anglers United

Back Country Horsemen

Boy Scouts of America

Continental Divide Trail Alliance

Ducks Unlimited

Earthwatch Institute

Elderhostel

Girl Scouts of the U.S.A.

Hawk Watch International

Honda of America – Project Aware

Humane Society of America

Kawasaki Motor Corporation

McDonald's

Minerals Management Service

National Environmental Education & Training Foundation

National Forest Foundation

National Park Service

National Speleological Society

National Tree Trust

Oregon-California Trails Association

Pheasants Forever

Public Lands Foundation

Rocky Mountain Elk Foundation

San Bernardino National Forest

Association

Sierra Club

Student Conservation Association

The Nature Conservancy

Trout Unlimited

U.S. Army Corps of Engineers

U.S. Bureau of Reclamation

U.S. Department of Justice, Office of Juvenile Justice and Delinquency Prevention

U.S. Fish and Wildlife Service

U.S. Forest Service

U.S. Geological Service

Northstar Volunteer Fire Crew (AK)

British Petroleum Exploration Alaska

Public Lands Interpretive Association (AZ)

Betty's Kitchen Protective Association (AZ)

Golden Kiwanis (AZ)

Hidden Shores RV Village (AZ)

Lake Havasu City Parks & Recreation (AZ)

Arizona Game & Fish Department

Arizona State Parks	Duncan Racing (CA)
Arizona Archaeology Society Site Steward Program	Sand Cars Unlimited (CA)
Mojave County Sheriff's Shock Incarceration Program (AZ)	Malcomb Smith Motorsports Inc. (CA)
Teen Court Program (AZ)	Kawasaki of Riverside (CA)
Lake Havasu Fisheries Improvement Partnership Program	Sweet Maries (CA)
Arizona Interpretive Association	IMS (CA)
U.S. Army – Fort Huachuca (AZ)	Johnson's Bug Machine (CA)
Cochise County (AZ)	Fullerton Sand Tires (CA)
City of Sierra Vista (AZ)	Cycle Parts West (CA)
Amigos del Rio (AZ)	Chenoweth Fabrications (CA)
Shimano Corporation (AZ)	Orange County Honda (CA)
Gear Grinder's 4-Wheel Drive Club (CA)	Sand Sports Magazine (CA)
Friends of the Inyo Wilderness (CA)	Rick's Sand Buggy Repair and Parts (CA)
Diamond T Apparel (CA)	Jamison Engineering Inc. (CA)
Hard 4 (CA)	Harrison Racing (CA)
Gear One (CA)	Motorcycle Central (CA)
Yarnell Specialties (CA)	ALBA Action Sports (CA)
Gilmore Off-Road (CA)	Scorpion Sand Products (CA)
Chenoweth Racing Products (CA)	Weekend Concepts (CA)
Play-Tech Off Road (CA)	California Green Sticker Program
McKenzie's (CA)	Volunteers for Outdoor Colorado
Buggy World (CA)	Southwest Outdoor Volunteer Organization (CO)
Alumi-Craft (CA)	Top of the Trail Volunteers (CO)
Mazzone Sand Cars (CA)	Public Lands Interpretive Association (CO)
Sand Limo (CA)	Delta Correctional (CO)
Suspensions Unlimited (CA)	National Railway Historical Society, Rio Grande Chapter (CO)
Off Road Warehouse (CA)	Telluride Institute (CO)
Lone Star Racing (CA)	Colorado Plateau Mountain Bike Association (CO)
Wilson's Machine Works (CA)	Colorado Fourteeners Initiative
RLR Manufacturing (CA)	Colorado Wild Horse and Burro Coalition
Hi-Jumpers/Prowlers (CA)	Superior 4x4's (CO)
E.P. Construction (CA)	
Funco Motorsports (CA)	

Predator 4 WD Shop (CO)	Auto Tend (ID)
Colorado Rockhoppers	Sept Enterprises (ID)
Pikes Peak Mining Company (CO)	Boise Little Theater (ID)
Rocky Mountain Trails Association (CO)	Power Bar (ID)
Friends of the Mustangs (CO)	BLM Smokejumpers (ID)
Colorado OHV Coalition	Pompeys Pillar Interpretive Association (MT)
Quaddusters ATV Association (CO)	Pryor Mountain Citizens Watch (MT)
Colorado Motorized Trail Riders Association	Public Lands Citizens Watch (MT)
Rocky Mountain Field Institute (CO)	Garnet Ghost Town Association (MT)
Colorado Land Cruisers Club	Canyon Ferry Bald Eagle Program (MT)
Garden Park Paleontology Society (CO)	Montana Fish, Wildlife and Parks
Colorado Wildhorse Inmate Program	Lewis and Clark County (MT)
Colorado Department of Natural Resources	Helena Chamber of Commerce (MT)
Raps Road Association (ES)	Montana Power Company
Elbow Lake Association (ES)	Montana Department of Environmental Quality
Urban Tree House, Washington, D.C. (ES)	Sunburst Association (MT)
Anacostia State Park (ES)	The Outfit (MT)
Prince William Forest Park (ES)	High Rock Trekkers 4-Wheel Drive Club (NV)
Washington, D.C. Health Administration (ES)	Aero-Pac Rocketry Club (NV)
U.S. Environmental Protection Agency, Chesapeake Bay Project Office (ES)	Desert Survivors (NV)
Cassia/Minidoaka County M-C Work Program (ID)	Burning Man (NV)
Great Basin Fire Prevention Team (ID)	White Pine County (NV)
Idaho Department of Lands	Los Amigos (NM)
Belmont Care Center (ID)	New Mexico Mountain Club
St. Anthony Juvenile Center (ID)	Onate Project-Thirteen (NM)
Idaho Cave Survey Group	Taos Archaeological Society (NM)
Joshua D. Smith Foundation (ID)	New Mexico Volunteers for the Outdoors
North Idaho Rugby	Santa Fe Southern Railway (NM)
Spokane Mountaineers (ID)	Operation Rust Bucket (OR)
Idaho Native Plant Society	Oregon Hunters Association
	Oregon Department of Fish and Wildlife
	Oregon Parks and Recreation Department

Confederated Tribes of Siletz Indians of Oregon

Geiger Federal Work Release Program (OR)

Coquille Indian Tribes (OR)

Oregon State Historic Preservation Office

Pacific Northwest 4-Wheel Association (OR)

Utah Division of Wildlife Resources

Emery County (UT)

W.O.R.K. Program (UT)

Elbow Ranch Project (UT)

City of Cody (WY)

City of Rawlins (WY)

Sweetwater Snopokes Snowmobile Club (WY)



Boy Scouts cleared debris to improve wildlife habitat at Altman Confluence Tract, Montana.

It's Academic

Student volunteers from the elementary level through graduate school have also joined BLM's Volunteer Program, and they work hard to improve our public lands. As they learn about natural and

cultural resources and demonstrate good citizenship, students contribute their innovative ideas, energy, and enthusiasm to our programs. We are grateful for their dedication!

Mesquite Alternative High School (CA)

Cortez Middle School (CO)

Norwood Schools (CO)

San Miguel Watershed Teachers (CO)

Colorado State University

University of Colorado

Ft. Lewis College (CO)

Adams State College (CO)

Mesa State College (CO)

Payette High School (ID)

Ricks College (ID)

University of Idaho

Montana State University-Billings

Montana State University-Bozeman

University of Montana-Missoula

Carroll College (MT)

Laurel High School (MT)

Tonopah Elementary Schools (NV)

Vale High School (OR)

Belle Fourche High School (SD)

Utah State University

Uintah High School (UT)

Vernal Junior High School (UT)

Aspen Academy (UT)

Eastern Washington University

Western Wyoming Community College

Cody Middle School (WY)

Pinedale High School (WY)

Rawlins High School (WY)

University of Wyoming



Volunteers planted and mulched scrub oaks at the Jupiter Tract, Florida.



Boy Scouts planted shrubs at the Big Cottonwood Creek, Idaho, trailhead picnic site.

Outstanding Volunteers Honored: Our 1999 Volunteer Award Winners

Since 1995, BLM has awarded the “Making a Difference” national level award to our exceptionally dedicated volunteers. This year, for the first time, BLM employees who have made a significant contribution to the Volunteer Program were also recognized as part of the National Volunteer Awards program. A panel of foundation members and BLM employees selected winners from nominations submitted by BLM field offices.

The 1999 Award Winners who donated their service in 1998 were honored during a ceremony in Washington, D.C., on April 20, 1999. BLM Director Tom Fry presented awards to:

VOLUNTEERS

Ira Juhl (Billings, Montana) —————

Ira Juhl has served the BLM for seven years, and as President of the Pompeys Pillar Interpretive Association since 1993. Under Ira’s leadership, the 200-member association is working to enhance facilities at Pompeys Pillar, a National Historical Landmark managed by the BLM in Montana. On July 25, 1806, Captain Clark signed his name on the rock, leaving behind the only physical evidence of the famous Lewis and Clark Expedition. Through the association, Ira has raised funding for a fully accessible interpretive trail at the site; created an annual Clark Day commemoration; coordinated volunteers to staff the visitor center; and developed interpretive displays, living history costumes, and brochures. In addition to his leadership duties, Ira has lent his carpentry skills to build a donation box, shelving, and frames. He also is among the volunteers contributing the most hours annually (conservatively estimated at more than 2,000



hours a year) and has reached over 2,000 school children through his environmental education programs.

Robert and Thelma Bowser (Yukon Crossing Visitor Contact Station, Alaska) _____

Robert (Bob) and Thelma Bowser serve as the sole BLM representatives at the remote Yukon Crossing Visitor Contact Station on the Dalton Highway in Alaska. This “highway” is actually a gravel road, but as the only direct route from Fairbanks, Alaska, to the oil fields of Prudhoe Bay, it attracts thousands of visitors each year. Basic services are available at only two locations along the 500-mile route. The nearest town (and BLM employee) is 150 miles away. During their seven years of service, Bob and Thelma have logged in over 8,000 hours. They set up an extensive and accurate information program, providing important safety materials to visitors and helping them build a greater understanding and respect for the rugged and beautiful land through which they are traveling. In addition, they have built working relationships with Alyeska Pipeline Company and tour companies, performed maintenance on facilities, and started a recycling program. But most importantly, their efforts have touched thousands of people whose trips have been enhanced by the information and enthusiasm they provide.

Jennifer Whyte (Imperial Sand Dunes Recreation Area) _____

Long time dunes enthusiast Jennifer Whyte approached the BLM two years ago with a proposal to clean up one of her favorite recreation sites, the Imperial Sand Dunes. The BLM’s Imperial Sand Dunes Recreation Area is one of the largest and busiest off-highway vehicle areas in the nation. Unfortunately, some visitors developed a habit of leaving trash behind. Jennifer volunteered to coordinate a massive one-day volunteer cleanup effort and spent months organizing it, gathering numerous corporate and business donations, as well as advertising the event. The first event in 1998 attracted more than 1,000 volunteers who collected over 2,000 bags of trash. This year, with twice as many volunteers, 5,000 bags of trash were collected. Today, the dunes have a fresh look and are a more pleasant place to visit. Jennifer is already organizing next year’s event which will include a “Leave no Trace” education component to reduce the need for future cleanups.

Jack DeRosa (Las Cruces, New Mexico) _____

Jack DeRosa has contributed 40,000 hours to the BLM during his 15 years of service. This averages more than 50 hours per week. For two days a week, Jack volunteers at the BLM’s Dripping Springs Natural Area, eight miles east of

Las Cruces. There, he staffs the visitor center, helps out in the maintenance shop, picks up trash, and answers visitors' questions. Jack also volunteers in the BLM's Las Cruces field office where he maintains the warehouse and recycles paper. Jack previously has volunteered at the Three Rivers and Aguirre Springs campgrounds. Jack acts as a mentor and role model to other volunteers and employees. When others see an 85-year-old working as hard as Jack does, they are motivated to give more themselves. He presents a professional image and has convinced more than a few visitors to become volunteers themselves.

Edward W. Smith (Albuquerque, New Mexico) —————

After a long and distinguished career as a geologist, educator and administrator, Edward Smith has been a senior volunteer with the BLM in New Mexico for nine years. He brings to his work an extensive knowledge of the geology and mineral resources of northern New Mexico. Ed has inventoried and reported on hundreds of abandoned mine sites on BLM lands. This involves extensive work including map and literature research, field reconnaissance and site data collection. Ed also is an expert in adobe brick manufacturing and has a keen interest in the Hispanic and Native American cultures in New Mexico. He has identified specialized clay deposits for Pueblo Indian potters

and clay to supply the adobe brick cottage industry. Ed has been a valuable contact for BLM in dealing with the various land ownerships and cultures in northern New Mexico. Sharing his scientific and cultural knowledge and developing a reputation as a friend in the community, Ed Smith is considered an important ambassador for the BLM in New Mexico.

Don Gillen (Prineville, Oregon) ———

Routinely traveling more than 1,000 miles per week, Don Gillen works at 20 separate recreation sites along the John Day, Crooked and Deschutes Wild and Scenic Rivers as a volunteer for BLM. Don does whatever it takes to run these sites, including collecting fees, repairing tables, supervising other volunteers, and coordinating with law enforcement personnel. In addition, he is proficient in operating a backhoe, front-end loader and other construction equipment. Last year, Don assisted in placing 10 new concrete vault toilets and used his heavy equipment skills to place a floating wheelchair accessible fishing dock. He also welded a new stage for a National Public Lands Day event. Don outperforms most volunteers even though he suffered severe injuries in a private logging accident nine years ago. In spite of this, Don volunteers 40 hours a week and has saved the government close to \$200,000.

Dr. Marcel Kornfeld (Kremmling, Colorado) —————

For nine years, Dr. Kornfeld has directed a partnership between the BLM and the University of Wyoming to research the Early Prehistoric Period in Middle Park, Colorado. This partnership has created numerous opportunities for over 150 student volunteers from the Colorado Archaeological Society. Volunteers have excavated sites, documented artifacts, mapped sites and written reports. Their efforts were rewarded when excavations revealed a bison kill site 10,200 years old. As a result of the collaboration between volunteer and scientific efforts, Middle Park has become known as potentially having one of, if not the highest, concentrations of PaleoIndian cultural sites in North America.

Walt and Melody Gentry (Mt. Vernon, Illinois) —————

Walt and Melody Gentry have been educating the public about the BLM's Adopt-A-Wild Horse and Burro program for the past eight years. They have traveled over 30,000 miles to assist with activities associated with 50 adoptions in the Eastern United States. They have participated in more than 360 television, radio and newspaper interviews, strategically distributed over 5,000 posters, and have used some of their own 18 adopted wild horses to compete in horse shows and endurance competitions.

They especially like to perform for disadvantaged youth, many of whom have never before touched a real horse. Melody is a special inspiration to those who might dream of learning to ride—physically challenged since age four, she began riding 12 years ago, and is a proficient rider today.

BLM EMPLOYEES

Shirley Baxter (National Historic Oregon Trail Interpretive Center, Baker City, Oregon) —————

Shirley Baxter has gone beyond the call of duty in organizing and supervising volunteers and special events at the BLM's National Historic Oregon Trail Interpretive Center in Baker City, Oregon. This Center depends on a dedicated cadre of volunteers, and Shirley has excelled in recruiting, maintaining and motivating a team that provides the backbone to Center programs. She initiated a "volunteer communication team" to address volunteer related management issues; she plans and produces a monthly bulletin, "Trail Mix," to highlight volunteer activities; and she works within the community to promote the volunteer program at the Center. Shirley also serves as the BLM liaison to Trail Tenders, a 168-member organization that provides financial and volunteer support to the Center. Shirley's professionalism and enthusiasm present a very positive public image for the BLM.

Lorrene Schardt (Billings, Montana)

Lorrene Schardt has served as the State Volunteer Coordinator for the BLM in Montana for six years. This position is in addition to her other duties such as State Environmental Education Coordinator, Student Career Experience Program Coordinator, Grant/Partnership Team Lead and Human Resource Specialist (fire). In Montana, Lorrene has coordinated successful annual volunteer workshops, manages the Internet home page for volunteer opportunities, has expanded the internship program in Montana, and coordinates the State's submissions to the National Quarterly Volunteer Newsletter. Lorrene also provides invaluable assistance to the BLM's National Volunteer Program through her service on the Volunteer Program Adjunct Team (VPAT) and in many other capacities. She played a key role in the development of a national volunteer toolkit, "Bring on the Volunteers," used in BLM offices throughout the country to help the agency integrate volunteers into the workforce. Lorrene has made major contributions to the BLM's volunteer program at the local, State and National levels.

Steve Smith (Ridgecrest, California)

Steve Smith has dedicated more than 20 years to the public wildlands of the BLM's California Desert Conservation Area through his extensive and innovative management of volunteers. He started a volunteer project that transformed a zone of abandoned automobiles, garbage dumps and graffiti into a much-needed urban-wildland green-space for the community. He also led a band of volunteers into the wilderness, who often endured severe weather and rigorous mountaineering to complete their work. They located and mapped cultural resources throughout the 200,000-acre Inyo Wilderness over a period of ten years. In the process, they located the long forgotten "Lonesome Miner Trail" and created a new hiking trail across the spine of the Inyo Mountains. Steve also has enlisted volunteers to adopt and restore historic mining cabins through an innovative "Adopt-A-Cabin" Program. He manages a volunteer program that devotes over 27,000 hours each year to BLM public lands in and around Ridgecrest, California, where his programs have become "legendary" for the results they achieve on the ground.

Special Events and Programs

Ready for Recreation

Numerous BLM campgrounds, boat launch sites, visitor centers, historic sites and recreation areas are staffed with dedicated volunteers. They monitor visitor use, collect data, provide information and maps, explain rules, do maintenance and clean-up, open and close facilities daily, issue permits, collect fees, provide emergency assistance, build displays, direct traffic, and generally keep BLM facilities running smoothly, providing quality service to the recreating public.

BLM joins with other federal and state agencies and non-profit organizations to offer “one-stop shopping” visitor



Long Term Visitor Area volunteers received training for their duties, Arizona.

information at the Arizona’s Public Lands Information Center, the Arizona Strip Interpretive Association, the Eastern Idaho Visitor Center, and Alaska’s Coldfoot and Yukon Crossing Visitor Centers. These centers all benefited from partnerships and volunteer service.

Many campground hosts return year after year to greet old friends and to keep the campgrounds safe and welcoming. Recreation areas on public lands in Alaska, Arizona, Colorado, Idaho, New Mexico, Oregon, and Utah had several campgrounds with volunteer hosts. In Arizona, volunteers at Long Term Visitor Areas help BLM manage over 15,000 acres of public lands and issue more than 11,000 permits to the public.

Because of volunteers, several improvements were made to BLM historic sites. Pompeys Pillar, Montana is a Lewis and Clark Historic Landmark. In addition to staffing the visitor center, volunteers with the Pompeys Pillar Interpretive Association built a handicapped accessible interpretive trail, hosted Clark Days, developed interpretive displays, and staged living history presentations. The hosts at the John Jarvie Historic Ranch in Utah serve as volunteer coordinators, and this year they worked with the

Vernal Junior High Escape Club to host a Holiday Open House, complete with historic-type holiday decorations and workshops.

Boy Scout troops are well known for the invaluable assistance they offer in public service. They build and maintain trails and campground facilities, and this year a Wyoming troop built a handicapped accessible ramp and fishing platform at Bennett Peak.

Sometimes volunteer contributions are not highly visible, but they are nonetheless important to the overall program. A volunteer at the National Training Center in Phoenix, Arizona, completed a task analysis and training inventory for recreation planners who manage trails, a service that will enhance BLM training courses and result in improved management of BLM trails.

National Public Lands Day: Caring for Our Own

National Public Lands Day (NPLD) is an annual event that began in 1994 to encourage volunteers to improve and enhance the nation's public lands. The

National Environmental Education and Training Foundation coordinates the events, which have grown in number from nine sites in 1993 to a planned 150 in 1999; 39 of them are on BLM lands. Twenty-eight BLM sites were improved in 1998.

Arizona hosted the "largest home improvement project of the year" at Sierra Vista when more than 700 volunteers showed up to enhance wildlife habitat and recreation facilities and to improve protection for cultural sites. Numerous partners helped complete 25 projects, while 30 young people participated in an Adventure Camp.

Then-Director Pat Shea worked alongside volunteers at South Cow Mountain in California to remove abandoned cabins, build trails and make other improvements.



Volunteers worked on a trail at Muddy Mountain during National Public Lands Day, Wyoming.

In Montana, pheasant habitat was improved at the Altman Confluence Tract. Weeds were treated, food plots planted and storage structures repaired.

Seven more miles of the Continental Divide National Scenic Trail were marked in New Mexico. Eight miles of a rails-to-trails area were cleaned up and fifty volunteers were given a ride on the Santa Fe Southern Railway worktrain.

The historic Silver Saddle Ranch in Nevada was protected and improved on NPLD. More than 135 volunteers, from children to grandparents, helped paint historic buildings and protect archaeological features.

The Muddy Creek Environmental Education Area in Wyoming received a new observation deck and gate, and accessible trail improvements.

Constructive Construction: Youth and Inmate Programs

BLM lands offer many youth and prison inmates the opportunity to learn new skills and to carry out community service projects, at the same time giving them the chance to

identify new and constructive directions in their lives.

Two programs in Arizona, the Mojave Sheriff's Shock Incarceration Program and the Teen Court Program resulted in new hiking trails and trash cleanups. In Colorado, Delta Correctional's hosted workers rehabilitated a hiking trail. Participants in Idaho's Cassia/Minidoaka County M-C Work Program maintained trails and improved a trailhead.

Over 8,000 hours of labor by inmates of Washington's Geiger Work Release Program resulted in the rehabilitation of burned lands, repaired fences, and construction of an information kiosk and parking lots. Court referrals from Utah's Elbow Ranch Project removed old fences, built a corral, created and maintained an ATV trail and cleaned up



Cassia/Minndoaka County, Idaho, inmates helped with recreation area improvements.

public lands. W.O.R.K., another Utah court referral program, provided the workforce to thin vegetation, maintain fences, and pick up trash.

Colorado's Wildhorse Inmate Program contributed over 47,000 hours saddle training wild mustangs adopted by the public.

Great Grottos

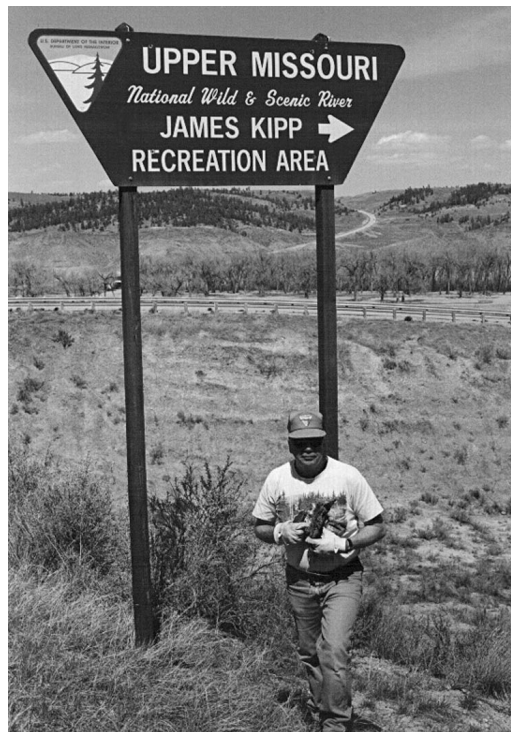
The National Speological Society and its local grotto chapters and other volunteers provide BLM with assistance in inventorying, monitoring and protecting caves and related resources. In Idaho, volunteers installed a bat-friendly gate at Owl Cave, ensuring an important hibernaculum for the Townsend's big-eared bat. Gypsum Cave Conservation project volunteers surveyed the cave, one of the longest known lava tubes in North America, and then designed and installed a bat-friendly gate. They also picked up litter, removed graffiti, marked a trail through delicate formations, placed interpretive signs, and installed photomonitoring points.

In New Mexico, over 100 people contributed numerous hours in support of the cave program. Wyoming volunteers removed trash and graffiti from Spirit Mountain Cave and modified the gate

at Horsethief Cave to allow bat access. They also taught a cave rescue course and monitored cave use.

Legions of Cleaners

Some visitors to the public lands leave their trash behind, creating eyesores and safety hazards for other visitors and wildlife. Fortunately, legions of volunteers are willing to work hard to restore their public lands. Many of these cleanups are now annual community or organization events. Arizona waterways are made litter-free through



The James Kipp Recreation Area, Montana, got a cleanup from volunteers on Earth Day.

several events, including the tenth Annual Reverse River Run, a two-day cleanup of the Colorado River with over 100 volunteers and 20 boats. Another stretch of the Colorado River near Yuma was also cleaned up with the help of volunteers. Lake Havasu's Adopt-a-Shoreline cleanup enjoyed its third successful year.

California's Rademaker Hills Viewshed Project is now an urban greenspace with hiking trails and visitor information. Volunteers have transformed it with over 15 projects from a blighted area of abandoned autos, garbage and graffiti to a welcome recreation area. The second Annual Glamis Dunes Cleanup volunteers picked up over 5,000 bags of trash; they also taught the Leave No Trace ethics to dune users.

Sierra Club volunteers supported BLM Colorado for the second year, removing noxious weeds and cleaning up a Wilderness Study Area and a river campsite. Already there is a waiting list of club members who want to participate next year. The seventh Annual Arkansas River Cleanup/Green-up brought out over 350 volunteers this year; they removed over 25 tons of trash and planted seedlings.

In Idaho, the Dam-to-Dam Cleanup beautified four and one half miles of Snake River shoreline. Developmentally disabled adults from the Belmont Care Center contributed over 350 hours chopping down noxious weeds. Pocatello Boy Scouts hauled eight pickup loads of trash to the landfill. Volunteers from the Saint Anthony Juvenile Center picked up litter, contributing over 90 hours and saving the Bureau about \$10,000.

An abandoned mining area at Indian Creek, Montana, was the site of a cooperative cleanup, which included planting shrubs and native grasses. Volunteers at the James Kipp Recreation Area removed trash as part of an Earth Day celebration.

New Mexico Volunteers for the Outdoors spent a weekend cleaning up trash and repairing fences at the Bisti/De-Na-Zin Wilderness.

In Oregon, the Western Rivers Girl Scout Council sponsored its annual campout and cleanup at Loon Lake; Girl Scouts contributed more than 4,000 hours of labor.

Mending Our Trailways

Many miles of hiking, equestrian, mountain bike and snowmobile trails across public lands were built or improved by volunteers in 1998. Alaska's Campbell Tract rails were widened during National Trails Day. Friends of the Inyo Wilderness, California, inventoried recreation and cultural resources and located and mapped 40 miles of trail.

The Top of the Trail Volunteers, made up of kids between the ages of six and 16 in foster care, completed trail maintenance and work projects in Colorado, all the while learning Leave No Trace ethics. The Colorado Plateau Mountain Bike Association conducted trail maintenance and hosted a symposium on mountain bike trail issues for National Trails Day. Volunteers for Outdoor Colorado trained 69 volunteers to design, construct, and maintain trails, manage and organize volunteer projects, and serve as project crew leaders.

A cooperative effort between several Idaho groups and BLM resulted in maintenance on 20 miles of trail, along with installation of picnic tables and grills, and other trailhead improvements.

Two sections and over ten miles of the Continental Divide Trail in New Mexico were marked through volunteer efforts. Volunteers, who rebuilt rock cairns, cleared trails, and picked up trash, maintained five miles of the Narrows Rim Trail.

Boy Scouts placed markers along the California National Historic Trail Nevada, and entered into a long-term adopt-a-site agreement with Ely BLM to assist with caring for the trail.

Oregon celebrated National Trails Day with a trails rehabilitation project on the Grey Back Trail. The project also involved community outreach.

Wyoming's Continental Divide Snowmobile trail continues to receive management assistance from a volunteer



Volunteers cleared debris from a trail at Blackfoot River in Montana.

group that helps maintain the trail and a warming hut. The Twin Creek trail-head was completed with the help of volunteers, including trail markers, parking barriers and hitching rails.

Creature Features

Wildlife received a variety of assistance from BLM's volunteer force. More than 65 species of birds (about 800 individual birds) were banded in Arizona's San Pedro Riparian National Conservation Area. The Lake Havasu Fisheries Improvement Program continued its sixth year of efforts, raising money and community support for the project.

Colorado Trout Unlimited continued its eight-year history of monitoring and preserving Trapper Creek by planting trees and constructing bank revetments and water bars to support reintroduction of the Colorado native Cutthroat Trout.

Over 100 students from Payette High School, Idaho, planted bitterbrush in critical mule deer winter range.

Hawk Watch International volunteers assisted BLM with scientific research, data collection, monitoring, and volunteer recruitment and training in Nevada and Utah.

Volunteers from the Rocky Mountain Elk Foundation and Vale High School, Oregon, improved winter mule deer range by planting over 8,000 bitterbrush seedlings.

The Utah Prairie Dog is the subject of a study to determine the effects of grazing and vegetation on this federally listed threatened species. Hosted workers from Utah State University and volunteers are conducting the research. Two retired Utah biologists volunteered to maintain three dozen wildlife guzzlers.

The eleventh annual mid-winter eagle survey on the Bighorn Basin brought out 79 volunteers to assist BLM with collecting data. Several organizations participated in Cody's Arbor Day celebration by planting trees obtained through a grant from the National Tree



Volunteers planted cottonwood saplings to help restore the upper Missouri, Montana, riparian ecosystem.

Trust. BLM organized the event, during which volunteers planted over 400 trees at trailhead and habitat sites along the Shoshone River.

Giving the Past a Future

Volunteers assisted BLM with caring for archaeological and historic sites. At the world-famous Mesa site in Alaska, volunteers assisted with excavations and studies to determine the prehistoric environment.

Arizona's long-standing Site Steward program continues to provide volunteers who monitor sites and report on evidence of looting or damage. Other volunteers provide guided tours at sites and do public outreach and education. Archaeological site records have been verified and corrected, and a database established through volunteer efforts.

A trainwreck at the turn of the century in Colorado was the site of a project to study the debris and recover evidence about the accident. The historic wagonroad used to recover the Baxter Train Engine was discovered during the project. Colorado volunteers conducted inventories of prehistoric Anasazi sites

and updated and monitored the database storing the data.

In Idaho, volunteers spent a week inventorying and recording prehistoric bighorn sheep hunting sites.

Two Chacoan sites in New Mexico were recorded as 360-degree virtual reality images, capturing the sites as well as their environmental setting in a database. Volunteers worked with the University of Idaho's Department of Architecture and BLM to complete the project, which includes a website. Volunteers using metal detectors helped investigate an area along the route San Juan de Onate led colonists in 1598. Another group recorded a large pithouse village dating from ca. A.D. 1000.



Earthwatch volunteers recorded rock art sites in Mill Creek Canyon, Utah.

Volunteers helped manage the historic ghost town of Rhyolite, Nevada, and provided information to over 70,000 visitors. They also photodocumented and maintained the site.

In Washington State, volunteers from Eastern Washington University conducted public education and outreach during Archaeology Week, conducting public tours and excavations at an historic site.

Volunteers in Utah documented rock art sites in the Grand Staircase Escalante National Monument, providing digital images and reports to BLM. One thousand acres were intensively surveyed by volunteers, and 28 new properties were recorded. Volunteers from Earthwatch Institute recorded sites and studied recreational impacts to them and to riparian areas.

Western Wyoming Community College conducted a pithouse excavation on BLM lands with the assistance of students and the public.

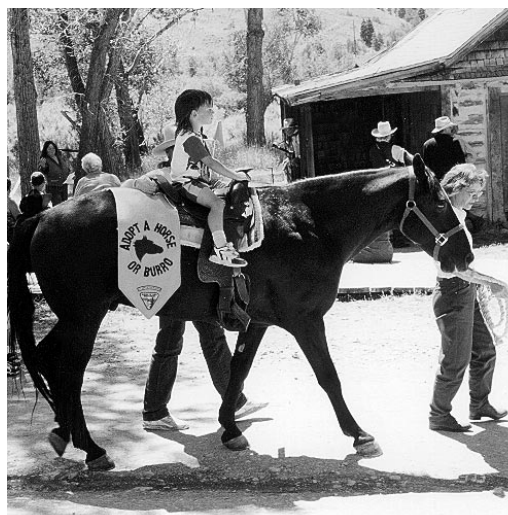
Just Say “Whoa!”

BLM’s Wild Horse and Burro Program received many kinds of assistance this year from volunteers. Two Idaho volunteers made significant contributions to the administration of the program

Bureauwide. One reviewed the accounting methods used to report on the program and made recommendations for improvements to the National Wild Horse and Burro Advisory Board. The other Idaho volunteer reviewed and reported to the Director on methods used to gather, transport, hold and adopt horses.

Colorado’s Friends of the Mustangs volunteers have catalogued the wild mustangs in the Little Bookcliffs Wildhorse Management Area by color, gender, age, and offspring.

Eighteen volunteers in the Eastern States Office completed a Pre-adoption Facility Inspection Certification course. They now assist BLM with inspecting an average of 10 percent of the lottery list.



Nearly 300 children had a ride on Mr. Black, a BLM wild horse, during the Bannack Days celebration, Montana.

Volunteers with the Humane Society of the U.S. spent several days removing old fences and other wild horse hazards in the Pryor Mountain Wild Horse Range, Montana. Volunteers in Oklahoma and Utah provided considerable assistance with wild horse roundups and adoptions. Wyoming volunteers helped locate, identify, and track the McCullough Peaks wild horse herd.

Who, What, When, and Where?

BLM relies on volunteers to assist with monitoring and inventorying the resources in its care. The Eastern States Office's Island Stewardship Program volunteers monitored and cleaned up nine islands with over 1,200 miles of shoreline, using their own boats. Volunteers in Idaho, Nevada, Utah, and Wyoming provided valuable data on raptor populations and nest occupancy and success.

Two citizen watch groups in Montana watched over public land resources, including Native American rock art sites and wild horse herds. They deterred vandalism by their presence and reported problems to BLM.

Nevada's Black Rock Desert is 727 square miles of remoteness where recreation use has recently dramatically increased. Agreements with numerous groups have enabled volunteers to help monitor use, design a visitor use survey, establish GPS photomonitoring points, produce GIS mapping products, and build visitor registers.

Utah's River Watch program has high school students studying two river systems and monitoring water quality. They also cleaned up trash from the rivers and completed soil stabilization projects.

Teaching and Outreach

Many of BLM's volunteers reached out and educated others about natural and cultural resources and the ethics of caring for public lands. In Arizona, Betty's Kitchen Protective Association conducted school tours and provided hands-on interpretation several times a month. They printed a teacher's guide and helped maintain the Betty's Kitchen Watchable Wildlife and Interpretive Area.

In Colorado, Norwood School third graders helped design and build a



A first-time camper got assistance setting up his tent during the Environmental Camp Out, Virginia.

fishing access trail and interpretive signs through their Living Classrooms and Adopt-A-River Program. A two-day Confluence in Education Conference brought together teachers and volunteers to develop a living classroom curriculum and to develop a coordinated approach to environmental education and related funding in the San Miguel watershed.

Eastern States BLM and several partners, including the Washington, D.C. Urban Tree House, hosted the second annual Environmental Camp Out, which gave 154 urban children a camping experience and taught them Leave No Trace ethics.

In Idaho, the Great Basin Fire Prevention Team (including BLM employees) contributed \$2,500 to the

elementary education program of fire safety during the Dodge Finals Rodeo, reaching more than 100,000 people. A student in marketing presented a homeowners' workshop on fire safety and developed a fire prevention and safety homepage on BLM's Intranet. A volunteer at the Eastern Idaho Visitor Center developed a traveling display and gave presentations to over one hundred fifth graders and to Boy Scouts at their Jamboree.

The Butte Field Office Canyon Ferry Eagle Program, Montana, attracted many volunteers to host public viewing of the fall gathering of Bald Eagles. The program included educational programs about eagle ecology for school children.

In Nevada, two Hawk Watch International volunteers are designated as environmental education specialists. They taught Leave No Trace ethics and environmental education programs.

Hoorays and Kudos

In addition to the national level *Making a Difference* volunteer awards, many states and field offices show their appreciation to volunteers through special recognition programs. In Alaska,

certificates and thank-you letters were sent to all volunteers. Those with more than 80 hours of service received specially designed certificates and a T-shirt.

A barbecue and prizes were the rewards for volunteers who helped with the Glamis Dunes Cleanup in California, and the Colorado Arkansas River Cleanup/Green-up. Several BLM partners supported the events.

Colorado's Front Range Center sponsored the ninth annual combined BLM and Forest Service volunteer recognition ceremony for over 100 volunteers.

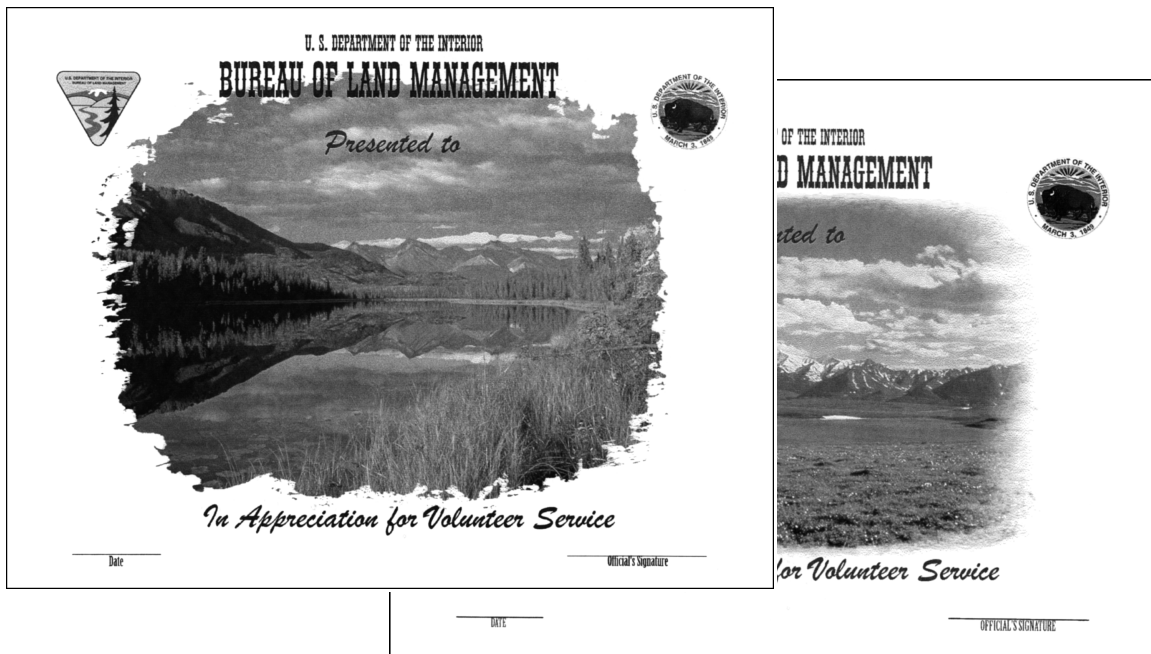
In recognition of National Disabilities Awareness Month, volunteers from

Idaho's Joshua D. Smith Foundation painted BLM fences and picnic tables. The disabled adults were given a certificate of appreciation and a BLM wristwatch.

Montana honors its exceptional volunteers with the State Director's Public Lands USA award. The Butte Field Office honored a dedicated volunteer with special recognition.

Volunteers with more than 40 hours of donated service for the Vale, Oregon, Field Office were recognized for their contributions and taken on a BLM educational field trip.

Wyoming volunteers who helped work on the Rawlins Peak section of the



Continental Divide National Scenic Trail were provided a barbecue lunch by a BLM partner, and the State Director presented volunteer awards. The Continental Divide Trail Alliance, in

turn, presented its Agency Award to BLM Outdoor Recreation Planner Ray Hanson in recognition of his work designating the trail across Wyoming public lands.

The Volunteer Program by State

Alaska

Alaska			
Program	Volunteer Hours	Hosted Worker Hours	Total Hours
Recreation	12,984	448	13,432
Biological Resources	1,972	-	1,972
Wild Horse and Burro	-	-	-
Cadastral Survey	1,910	-	1,910
Wilderness	-	-	-
Riparian/Watershed	687	-	687
Cultural/Historical	2,429	-	2,429
Minerals	2,724	-	2,724
Support Services	3,373	-	3,373
Environmental Education/ Interpretation	3,184	-	3,184
Other	1,792	-	1,792
Total	31,055	448	31,503
Number of Participants			244
Funds Expended			\$103,274
Value of Work			\$450,493

Volunteers provided over 13,000 hours of service in the recreation program, assisting with managing six campgrounds and one urban recreation area. They also staffed the Visitor Centers at Coldfoot and Yukon Crossing, providing visitors with safety and resource protection information. Volunteers shared their maintenance skills in repairing trails and recreation cabins, and assisted with patrols in remote areas.

Federal agency volunteers helped BLM host 1998 Outdoor Week. Two thousand sixth graders learned how to pan for gold, tie flies, and use a fly casting rod. They also received instruction about stream flow measuring and gathering water quality samples.

The Northstar Volunteer Fire Crew consistently provides BLM with valuable assistance. Members effectively recruit Native Alaskans and other minorities to the Bureau fire program. They also accomplish numerous resource improvement projects, the highlight of which in 1998 was construction and maintenance of the new Nome Creek Campground.

The volunteer program in Riparian/Watershed sciences involves hydrographic surveying and mapping of rivers and lakes in Alaska's interior. Land surveying, data entry, GIS cataloging of streams for a hydrographic database, and channel design and rehabilitation were all accomplished with the assistance of volunteers.

Arizona

Arizona			
Program	Volunteer Hours	Hosted Worker Hours	Total Hours
Recreation	86,657	1,120	87,777
Biological Resources	24,493	-	24,493
Wild Horse and Burro	1,640	-	1,640
Cadastral Survey	169	-	169
Wilderness	144	-	144
Riparian/Watershed	19,370	-	19,370
Cultural/Historical	28,639	-	28,639
Minerals	720	-	720
Support Services	4,230	2,496	6,726
Environmental Education/ Interpretation	4,353	-	4,353
Other	468	-	468
Total	170,883	3,616	174,499
Number of Participants			4,264
Funds Expended			\$119,141
Value of Work			\$2,495,336

Volunteers travel from far and wide to care for their public lands. The American Hiking Society volunteers, from all over the United States, donated 300 hours to build new interpretive trails at the San Pedro Riparian National Conservation Area and the Murray Springs site. Thirty-five members of the Elderhostel Service Projects also traveled to Arizona to volunteer for week-long projects.

Volunteering is a great way to gain job experience, and Arizona BLM enjoys

this mutually rewarding arrangement with many hardworking volunteers. Fire crew work, administrative functions, preparation of public information packets, website development, and electronic scanning of documents and images are just a few of the jobs that allow volunteers to hone their skills while giving of their time.

Several long-term partnerships with volunteer organizations had continued success in 1998. Among the dedicated groups working with BLM are the Arizona Strip Interpretive Association, Public Lands Interpretive Association, Betty's Kitchen Protective Association, the Arizona Archaeological Society's Site Steward Program, the Lake Havasu Fisheries Improvement Partnership Program, and the ever-helpful Boy Scouts of America. Faithful volunteers return each year to be campground hosts and to assist with managing the Long Term Visitor Area program. The accomplishments of these volunteers and organizations are impressive and substantial; their dedication to the long-term betterment of BLM lands and resources enables them to undertake and complete many large-scale projects.

California

California			
Program	Volunteer Hours	Hosted Worker Hours	Total Hours
Recreation	57,603	27,298	84,901
Biological Resources	8,080	50,514	58,594
Wild Horse and Burro	875	-	875
Cadastral Survey	70	-	70
Wilderness	788	1,920	2,708
Riparian/Watershed	10,818	2,616	13,434
Cultural/Historical	10,108	660	10,768
Minerals	24	120	144
Support Services	6,995	2,970	9,965
Environmental Education/ Interpretation	11,660	-	11,660
Other	5,308	1,200	6,508
Total	112,329	87,298	199,627
Number of Participants			3,210
Funds Expended			\$123,484
Value of Work			\$2,854,666

A massive volunteer effort resulted in over 5,000 bags of trash being removed from the Imperial Sand Dunes. A

volunteer, who garnered extensive corporate donations and promoted the event, organized the project. A Leave No Trace program is also being developed by the lead volunteer.

The Barstow Field Office began a new era in managing volunteer projects. A partnership with The San Bernardino National Forest Association resulted in the office hiring a Volunteer Branch Chief whose job it is to develop activities and seek collaborating partners. A strong base for a dynamic volunteer program is now in place.

For National Public Lands Day, the Ukiah Field Office hosted an event on Cow Mountain. It included removing abandoned cabins, building trails, and installing cages to protect oak trees.

Colorado

Colorado			
Program	Volunteer Hours	Hosted Worker Hours	Total Hours
Recreation	21,100	12,900	34,000
Biological Resources	6,715	23,565	30,280
Wild Horse and Burro	3,070	48,250	51,320
Cadastral Survey	970	-	970
Wilderness	1,990	-	1,990
Riparian/Watershed	2,520	2,560	5,080
Cultural/Historical	30,900	945	31,845
Minerals	2,515	1,845	4,360
Support Services	6,855	2,130	8,985
Environmental Education/ Interpretation	4,400	10,435	14,835
Other	1,545	2,650	4,195
Total	82,580	105,280	187,860
Number of Participants			2,221
Funds Expended			\$146,300
Value of Work			\$2,686,398

The first ecosystem and community-based partnership to approach volunteer program management in Colorado was initiated this year. The Southwest Outdoor Volunteer Organization is a group of federal and state land management agencies and non-profit organizations. A needs analysis revealed that they all had the same needs for their volunteer programs, and they discovered that they could combine small individual grant proposals into comprehensive winning ones. The organization enables the partners to leverage their resources, reduce duplication of effort, and present “one-stop shopping” for both volunteers and volunteer project providers.

A National Public Lands Day celebration was held at the Dinosaur Depot and the Garden Park Fossil Area. The Dinosaur Depot is perhaps the greatest Jurassic dinosaur graveyard in the world. Over 100 people attended the event and toured the fossil area, with the assistance of volunteers from six local groups.

As part of the annual partnership between BLM Colorado and the Sierra Club Work Vacation Program, twenty Sierra Club volunteers spent two weeks eradicating noxious weeds on Colorado’s western slope.

The Service First Initiative is being pilot tested in Colorado. This is a partnership between the BLM and the U.S. Forest Service to share people and resources, harmonize management processes, and deliver “one-stop shopping” customer service. The volunteer program presented a challenge to fitting this approach, since the two agencies have separate regulations and policies. A task force convened to consolidate and combine the volunteer programs of the two agencies. The products of this work (an Administrative Desk Guide, volunteer agreements, a volunteer handbook, and a program logo, uniform patch and recognition certificate) can be used anywhere that Service First is initiated, allowing other programs to reap the benefits of this effort.

Denver Centers

Denver Centers			
Program	Volunteer Hours	Hosted Worker Hours	Total Hours
Recreation	-	-	-
Biological Resources	620	-	620
Wild Horse and Burro	-	-	-
Cadastral Survey	610	-	610
Wilderness	-	-	-
Riparian/Watershed	-	-	-
Cultural/Historical	-	-	-
Minerals	-	-	-
Support Services	-	-	-
Environmental Education/ Interpretation	-	-	-
Other	-	-	-
Total	1,230	-	1,230
Number of Participants			3
Funds Expended			\$417
Value of Work			\$17,589

The Denver Centers provided assistance to the Republic of Palau, and volunteers completed some of the work. Two retired BLM employees volunteered their time and expertise to help the Republic of Palau determine its maritime boundaries, and to develop a curriculum for its Cadastral Survey School. These contributions offer long-term infrastructure building to Palau.

A long-term volunteer with the Denver Centers assisted the Colorado Pilot on Rangeland Health, a part of the National Resource Inventory. She collected data and conducted reviews and was instrumental in producing the Rangeland Health Notebook. She also attended professional meetings and assisted with displays and posters.

Eastern States

Eastern States			
Program	Volunteer Hours	Hosted Worker Hours	Total Hours
Recreation	1,474	-	1,474
Biological Resources	-	-	-
Wild Horse and Burro	23,716	-	23,716
Cadastral Survey	260	-	260
Wilderness	-	-	-
Riparian/Watershed	-	-	-
Cultural/Historical	152	-	152
Minerals	-	-	-
Support Services	-	-	-
Environmental Education/ Interpretation	1,041	-	1,041
Other	473	-	473
Total	27,116	-	27,116
Number of Participants			1,115
Funds Expended			\$15,485
Value of Work			\$387,759

Three high school students in an Applied History Program chose to volunteer at BLM to gain practical experiences. They assisted with office tasks and Internet work and created outreach materials.

Several wild horse adoptions were successful with the help of volunteers, who pitch in and help with many aspects of adoption events. Eighteen volunteers completed a Pre-Adoption Facility Inspection Certification course, and now assist BLM with completing 10 percent of the lottery list inspections.

Fire Center

Fire Center			
Program	Volunteer Hours	Hosted Worker Hours	Total Hours
Recreation	-	-	-
Biological Resources	-	-	-
Wild Horse and Burro	-	-	-
Cadastral Survey	-	-	-
Wilderness	-	-	-
Riparian/Watershed	-	-	-
Cultural/Historical	-	-	-
Minerals	-	-	-
Support Services	826	-	826
Environmental Education/ Interpretation	-	-	-
Other	1,029	-	1,029
Total	1,855	-	1,855
Number of Participants			112
Funds Expended			\$1,739
Value of Work			\$26,527

The Wildland Firefighters' Monument Site, presently under construction, was the focus of volunteer efforts at the Office of Fire and Aviation. This monument is a tribute to all wildland firefighters and support personnel. Employees, retirees and members of the community, through hundreds of volunteer hours, are the backbone of the site's construction and maintenance. The Wildland Firefighters' Monument was the site of a National Public Lands Day work effort this year.

Idaho

Idaho			
Program	Volunteer Hours	Hosted Worker Hours	Total Hours
Recreation	18,204	1,335	19,539
Biological Resources	4,009	1,525	5,534
Wild Horse and Burro	673	-	673
Cadastral Survey	70	-	70
Wilderness	943	-	943
Riparian/Watershed	610	-	610
Cultural/Historical	398	-	398
Minerals	283	-	283
Support Services	2,384	960	3,344
Environmental Education/ Interpretation	183	-	183
Other	537	-	537
Total	28,294	3,820	32,114
Number of Participants			595
Funds Expended			\$37,716
Value of Work			\$459,230

Student Conservation Association hosted workers served in the forestry and recreation programs. Their work included assisting with timber sale preparation, stocking surveys, and maintaining recreation facilities.

Volunteers from three organizations donated their time to plant ponderosa pine seedlings in areas heavily damaged by a 1996 ice storm.

Boy Scouts made significant contributions to Idaho's volunteer program; many of the projects helped Scouts earn their Eagle Scout status. Troops built and installed interpretive signs

and kiosks, planted trees, cleaned up an abandoned trash dump, constructed and placed birdhouses, maintained trails, built campfire rings, assembled and installed picnic tables, and placed concrete markers along the Oregon Trail. These projects give Scouts valuable leadership and skill-building experiences and are notable community service accomplishments.

A group of 12 Americorps volunteers removed a fence between public lands and a Nature Conservancy Reserve. There was no vehicle access, and old fencing had to be carried as far as a half-mile. The project improved wildlife habitat.

Six volunteer hosts served as information and education providers along the South Fork of the Snake River, an interagency pilot fee project. Their work made this project successful.

Ricks College students donated over 750 hours of labor to sift nails and

glass out of the Sand Mountain Wilderness Study Area dispersed recreation sites. The students also collected litter and debris.

The Idaho Cave Survey group served as BLM's eyes and ears for monitoring recreation use in caves. They read cave registers, repair gates, and assisted in cave inventories and bat monitoring.

A volunteer conducted library research on the methodology for measuring range soil moisture and air temperature plant relations, and assisted with wind and water erosion monitoring. He presented a paper on his work at a professional conference.

Campground hosts played a pivotal role when the International Federation of Flyfishers held its conference in Idaho Falls. They operated a booth at the conference and educated many visitors about the Snake River. They also helped with a local Trout Unlimited event.

Montana/Dakotas

Montana/Dakotas			
Program	Volunteer Hours	Hosted Worker Hours	Total Hours
Recreation	20,999	269	21,268
Biological Resources	999	-	999
Wild Horse and Burro	2,567	-	2,567
Cadastral Survey	-	-	-
Wilderness	1,352	-	1,352
Riparian/Watershed	1,070	-	1,070
Cultural/Historical	138	1,240	1,378
Minerals	170	-	170
Support Services	3,375	260	3,635
Environmental Education/ Interpretation	1,746	-	1,746
Other	1,966	-	1,966
Total	34,382	1,769	36,151
Number of Participants			1,415
Funds Expended			\$49,447
Value of Work			\$516,959

The Humane Society of the United States staff and volunteers assisted the BLM with the hard work of removing old boundary fences and other potential hazards to wild horseherds. Forty volunteers improved wildlife habitat and installed bluebird boxes.

The Perry Cota volunteers at Garnet Ghost Town coordinated a cabin rental program; the collected funds are funneled back into maintenance of the ghost town.

The Montana/Dakotas programs which benefited from valuable volunteer service are range, wild horse and burro, fire, recreation, and general office operations involving clerical assistance, customer service and project planning. Literature for the public was developed with volunteer help.

Riparian monitoring, water sampling, and wildlife and fisheries studies were also enhanced by volunteers' assistance. Campground hosts provided safer, cleaner recreation sites through their efforts at monitoring camp activities, building cooking and warming units and cutting firewood.

National Training Center

National Training Center

Program	Volunteer Hours	Hosted Worker Hours	Total Hours
Recreation	75	-	75
Biological Resources	-	-	-
Wild Horse and Burro	-	-	-
Cadastral Survey	-	-	-
Wilderness	-	-	-
Riparian/Watershed	-	-	-
Cultural/Historical	-	-	-
Minerals	64	-	64
Support Services	-	-	-
Environmental Education/ Interpretation	-	-	-
Other	150	120	270
Total	289	120	409
Number of Participants			5
Funds Expended			\$0
Value of Work			\$5,849

Volunteers at the National Training Center helped with a variety of tasks. One volunteer completed a survey of BLM downlink coordinators to determine the effectiveness of the downlink broadcasts and to determine ways to improve them.

Another volunteer assisted with inventorying old oil and gas wells in Alaska,

which included examining well condition and surface use of the area, and testing the biological productivity of local waterbodies.

The “partnership suite” of training courses for BLM, its partners and other federal agencies was given a boost from a hosted worker from the San Bernardino National Forest Association. A business and marketing plan was developed for the courses, as was an implementation strategy to support their expanded development and evaluation.

Training for Outdoor Recreation Planners who manage trails will improve thanks to a task analysis completed by a volunteer. The analysis considered the tasks necessary for planning, implementing and managing trails. A trails management training inventory was also completed.

Nevada

Nevada			
Program	Volunteer Hours	Hosted Worker Hours	Total Hours
Recreation	36,103	104	36,207
Biological Resources	11,139	94,772	105,911
Wild Horse and Burro	5,145	-	5,145
Cadastral Survey	72	-	72
Wilderness	1,152	-	1,152
Riparian/Watershed	124	420	544
Cultural/Historical	9,815	-	9,815
Minerals	89	-	89
Support Services	16,336	26,184	42,520
Environmental Education/ Interpretation	7,476	36	7,512
Other	836	1,911	2,747
Total	88,287	123,427	211,714
Number of Participants			3,144
Funds Expended			\$158,553
Value of Work			3,027,510

The Black Rock Desert, 727 square miles in size, is an area with rapidly increasing recreation activities; fortunately, many organizations and volunteers have come forward to assist BLM with caring for it. Last year, an estimated 120,000 people came to this once remote and unvisited area. Part of the challenge in managing the Black Rock Desert is the diversity of users and activities, including gem and mineral collecting, off-highway vehicle use, car racing, visiting historic trails, hang-

gliding, rocket launching by amateurs, and the annual festival called Burning Man. Several organizations helped with needed management tasks, such as collecting visitor use data, establishing photomonitoring points, using GPS to map and locate the monitoring points, and conducting environmental education programs that emphasize Tread Lightly! and Leave No Trace ethics. They built interpretive and informational kiosks and placed visitor register boxes, too.

Three high school students, hosted workers of White Pine County, learned to operate GIS equipment, and entered range improvement locations into the system. A retired volunteer computer professor supervised them.

Environmental Education Day was held for the sixth year in cooperation with the U.S. Forest Service. Presentations were given on the Wild Horse and Burro program, plants, cultural resources, and the Leave No Trace and Pack It In, Pack It Out programs. The sixth grade students then cleaned up the campground.

New Mexico

New Mexico			
Program	Volunteer Hours	Hosted Worker Hours	Total Hours
Recreation	53,269	140	53,409
Biological Resources	5,790	-	5,790
Wild Horse and Burro	132	-	132
Cadastral Survey	-	-	-
Wilderness	5,324	-	5,324
Riparian/Watershed	930	-	930
Cultural/Historical	6,102	100	6,202
Minerals	3,953	-	3,953
Support Services	1,676	460	2,136
Environmental Education/ Interpretation	627	-	627
Other	9,033	960	9,993
Total	86,836	1,660	88,496
Number of Participants			1,251
Funds Expended			\$50,900
Value of Work			\$1,265,493

A significant amount of trail work was accomplished in New Mexico this year with the aid of volunteers. Two segments, about 10 miles, of the Continental Divide National Scenic Trail were cleared and marked. Another segment near Cuba was enhanced with signs. Five miles of the Narrows Rim Trail were maintained. Boy Scouts built a bridge over the Rio Bonito for the Petroglyph Trail. Volunteers built and installed cattleguards on mountain bike trails in the Glade Run Trail System. Eight miles of rail trail were cleaned up for National Public Lands Day.

Twelve wild horse and burro adoptions were held in the Midwest and volunteers

assisted with many aspects of those events.

The Conservation Good Turn event channeled the energies of 322 Boy Scouts and adult leaders to erect soil erosion structures, clear junipers from 25 acres, remove a fence, and clean up an apple orchard. Over 1,900 hours and \$22,000 worth of labor were contributed.

A volunteer inventoried abandoned mines and mineral extraction sites. This involved researching maps and literature, field reconnaissance, collecting and mapping site data, and preparing reports. He produced hundreds of reports for BLM.

The minerals program of the Tulsa Field Office received considerable assistance from volunteers. Reviewing oil and gas drainage cases, examining Indian oil and gas leases to ensure diligent development, and conducting mineral investigations in support of acquisition and disposal programs were accomplished by one volunteer who donated 25 hours a week. Two other volunteers filed paperwork and completed other tasks associated with leases and applications to drill, including computer input and maintenance of Master Title Plats and indices.

Oregon/Washington

Oregon/Washington

Program	Volunteer Hours	Hosted Worker Hours	Total Hours
Recreation	112,245	3,465	115,710
Biological Resources	40,975	5,505	46,480
Wild Horse and Burro	665	-	665
Cadastral Survey	3,800	-	3,800
Wilderness	300	-	300
Riparian/Watershed	4,736	920	5,656
Cultural/Historical	14,428	4,445	18,873
Minerals	60	-	60
Support Services	10,342	6,075	16,417
Environmental Education/ Interpretation	19,393	7,051	26,444
Other	9,546	-	9,546
Total	216,490	27,461	243,951
Number of Participants			4,260
Funds Expended			\$776,041
Value of Work			\$3,488,499

After a series of wildfires destroyed much of a bitterbrush community that had supported hundreds of wintering mule deer, BLM and several partner organizations and volunteers joined

together to restore the habitat. They purchased and grew bitterbrush seeds and planted over 8,000 seedlings. Plant survival has been exceptionally high.

A unique partnership allowed the public to tour the historic Cape Blanco Lighthouse. Over 17,000 people visited and toured the lighthouse with the help of volunteers.

A 4-Wheel Drive club volunteered to build a fence to keep Off-Highway Vehicles out of a sensitive botanical area. They also installed interpretive signs and constructed a new accessible trail to an overlook.

Volunteers assisted with the dedication of Wood River Wetland. They helped with event preparation, set-up, bird-watching tours, and a flag saluting ceremony.

Utah

Utah			
Program	Volunteer Hours	Hosted Worker Hours	Total Hours
Recreation	40,721	13,468	54,189
Biological Resources	9,961	5,915	15,876
Wild Horse and Burro	1,886	-	1,886
Cadastral Survey	-	-	-
Wilderness	6,425	-	6,425
Riparian/Watershed	848	-	848
Cultural/Historical	7,553	-	7,553
Minerals	160	-	160
Support Services	-	-	-
Environmental Education/ Interpretation	-	-	-
Other	691	-	691
Total	68,245	19,383	87,628
Number of Participants			1,344
Funds Expended			\$126,479
Value of Work			\$1,253,080

Numerous volunteers helped out with wild horse and burro gathers and adoptions. Many of these volunteers return year after year. Each volunteer knows the procedures and his or her role, and together with BLM employees they comprise a high performance team.

Two hundred volunteers turned out for National Public Lands Day to construct five miles of trail along the Green River. This project brought together a number of different user groups to complete a common goal.

Two long-term volunteers continued to provide extra coverage of the Paria Wilderness and other areas. They also maintained recreation sites and signs.

A partnership with Emery County provided Americorps workers to staff the Cleveland-Lloyd Dinosaur Quarry. They provided visitor information and assisted with management of the site.

Wyoming

Wyoming			
Program	Volunteer Hours	Hosted Worker Hours	Total Hours
Recreation	20,300	400	20,700
Biological Resources	5,131	364	5,495
Wild Horse and Burro	499	342	841
Cadastral Survey	309	-	309
Wilderness	10	-	10
Riparian/Watershed	493	-	493
Cultural/Historical	784	-	784
Minerals	110	-	110
Support Services	2,075	40	2,115
Environmental Education/ Interpretation	120	-	120
Other	-	-	-
Total	29,831	1,146	30,977
Number of Participants			442
Funds Expended			\$48,918
Value of Work			\$442,971

Several paleontologists and students documented paleontological resources on public lands. They also stabilized and preserved excavation sites and assisted in developing a recovery plan for the fossils.

Volunteers worked to repair gates and build user control fences along the

Gardner Mountain Trail. This is part of a larger volunteer effort to mark the hiking and equestrian trail, which is closed to motor vehicles.

Two areas where raptors nest were inventoried and monitored by volunteers. One area contains the highest known concentration of nesting ferruginous hawks in south-central Wyoming, while the other area is under development for natural gas. The volunteers' efforts resulted in an updated raptor database.

Several local people assisted with monitoring the McCullough Peaks area and resident wild horse herd. Adults and youths helped locate and identify wild horse bands and track their movements. They also assisted in identifying problems, noted water sources and injured horses, and helped with installing signs, closing gates and monitoring grazing and recreation use in the herd area.

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