

SNPLMA

SOUTHERN NEVADA PUBLIC LAND MANAGEMENT ACT

BLM



ANNUAL REPORT | FISCAL YEAR 2011





SNPLMA ANNUAL REPORT | FISCAL YEAR 2011

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This document is available online at www.blm.gov/SNPLMA



Cite as:

Bureau of Land Management. 2011. Southern Nevada Public Land Management Act: Annual Report FY 2011. Bureau of Land Management, Washington, D.C.
BLM/NV/LV/GI/13-15+1800

MESSAGE FROM THE BLM NEVADA STATE DIRECTOR



AMY LUEDERS BUREAU OF LAND MANAGEMENT NEVADA STATE DIRECTOR

I am pleased to share the Southern Nevada Public Land Management Act (SNPLMA) Fiscal Year (FY) 2011 Annual Report to Congress. Included are highlights of project accomplishments achieved through funding generated from Bureau of Land Management (BLM) lands sales in Las Vegas. Since its inception SNPLMA has provided \$2.9 billion for critical conservation and community projects throughout Nevada. The BLM and its partners work collaboratively to identify and implement projects to minimize the risk of wildfire to communities; provide parks, trails, and natural areas to local communities that help connect people to the outdoors; incorporate sustainable practices into facilities and management; restore ecosystems at a landscape level; and acquire environmentally sensitive lands throughout Nevada to protect wildlife habitat and other critical resources. These projects also provide economic benefits to communities through tourism and resource protection.

While the sale of public lands in Las Vegas has been affected by the economic downturn, the funds that were generated from previous sales are being used to provide employment opportunities. The twelfth round of funding is projected to support a mix of up to 139 full- and part-time jobs over the life of the projects, in many of the most economically impacted communities in Nevada.

The BLM and its partners recognize the importance of its role as responsible stewards of these funds. In FY 2011, further process and program changes were made to improve project nominations and completions, strengthen oversight, and increase transparency by instituting annual partner meetings, providing more information on the BLM's website, and increasing local participation in oversight committees.

I am honored to report on the many benefits resulting from the Southern Nevada Public Land Management Act.

INTRODUCTION

From 1990 to 2007, southern Nevada was one of the fastest growing regions of the United States. However, during the late 2000s the demand for public land in southern Nevada significantly decreased as a result of the nationwide economic downturn. One bright spot is the continued success of the program implementing the Southern Nevada Public Land Management Act (SNPLMA) (Public Law 105-263) that has provided funding for important projects, crucial economic development, and new employment opportunities.

In Fiscal Year (FY) 2011, 43 new projects were approved by the Secretary of the Interior in the 12th Round of SNPLMA funding in eight categories totaling \$41 million. Included in Round 12 was \$34 million for restoration work at Lake Tahoe, fulfilling the \$300 million legislative commitment. FY 2011 accomplishments include completion of 75 projects from Rounds 1-8, resulting in the construction of 13 miles of local trails in southern Nevada;

completion of 17 studies/plans; inventory or remediation of 2,863 mining hazards/sites; construction/rehabilitation of 8 public parks or campgrounds; reintroduction of native Lahontan cutthroat trout species; installation/maintenance of 631 interpretive signs on backcountry roads; 8,649 acres surveyed or treated for invasive weeds or hazardous fuels; restoration of natural hydrologic function in a cave resource; inspection/decontamination of over 12,600 boats for invasive aquatic species; and acquisition of 787 acres of environmentally sensitive Federal land and 1,234 acres of local government land for parks, trails, and natural areas.

The Bureau of Land Management (BLM) disposed of 937.47 acres in FY 2011. While this is a significant increase in acreage over 2010, only 5 acres were sold at auction. The remaining acres consist of 410.74 acres sold through the Recreation and Public Purposes Act and 521.73 acres conveyed to two local entities through a

legislatively directed transfer of ownership for which the government received no compensation. Revenue generated from land sales was \$1,105,478.22. In addition, interest from the SNPLMA Special Account, another substantial form of revenue generation for the SNPLMA program, remained low. Unfortunately, these reductions in revenue resulted in the total SNPLMA funding available for Round 12 being lower than previous rounds.

FY 2011 saw an emphasis on the implementation of the SNPLMA Strategic Plan, including improvements to accountability measures and program management, and a stepped-up focus on project completion. In order to enhance the transparency of the overall program for the public, information about the status of SNPLMA projects, land sales, and broad program information is regularly updated on a public website: www.blm.gov/snplma.



View from scenic loop drive, Red Rock Canyon NCA (Ken Ozawa | BLM)

FY 2011 ACCOMPLISHMENTS

Section 6 of the SNPLMA statute requires that the Secretary report annually to the Senate Committee on Energy and Natural Resources and the House of Representatives Committee on Natural Resources on all transactions under the Act. In FY 2011, the interagency partners completed numerous transactions as shown in the tables below, including the sale of 5 parcels and completion of 75 projects approved in previous rounds.

FY 2011 COMPLETED PROJECTS BY CATEGORY

Environmentally Sensitive Land Acquisitions	Capital Improvements	Conservation Initiatives	Lake Tahoe Restoration	Parks, Trails and Natural Areas	Hazardous Fuels	MSHCP†	ENLRP‡	Pre-Proposal Plans	Total
2	18	4	18	12	1	15	1	4	75

†Multiple Species Habitat Conservation Plan

‡Eastern Nevada Landscape Restoration Project

FY 2011 LAND DISPOSALS

Form of Disposal	Acres
Land Auctions	5.0
Direct Sales	410.74
Legislatively Directed Transfers	521.73
Totals	937.47

SNPLMA Strategic Plan

In 2010, the SNPLMA Executive Committee approved the SNPLMA Strategic Plan for FY 2010 through FY 2014. The objective of the Strategic Plan is to ensure a continued legacy of program and project success. The Strategic Plan set three overarching goals:

1. Provide for the orderly disposal of land in the disposal boundary in a responsible manner that supports local governments' master planning while ensuring a fair market return.
2. Conserve and restore the quality of the outdoor environment by preserving natural and cultural resources and enhancing recreational opportunities.
3. Continue the SNPLMA legacy of collaborative success as a model of program management through increased transparency, accountability, and effective governance.

Each goal has objectives that target areas of focus and sub-objectives to provide context and specific actions to achieve the goals.

The following describes some of the procedural and administrative objectives and accomplishments that are tied to the

Strategic Plan and have helped ensure successful implementation of the SNPLMA program.

Manage Revenue Responsibly

As revenues from land sales and interest declined, the Executive Committee instituted changes to ensure a long-term, stable, and strategic program. The Executive Committee implemented the following changes in 2011:

- Limited the number of project nominations allowed by each entity in each funding category and asked each entity to submit the lowest cost option for each nomination. This ensured that entities submitted only those projects that were of the highest priority and that they fully explored money-saving alternatives and options;
- Required quarterly reports and associated financial summaries from funding recipients for all approved projects. Reports must identify funding needed in the next quarter before funding transfers are approved;
- Established an annual project funding

target and special account reserve that maintains a steady funding level for the next 5 years;

- Directed the BLM to continue to find efficiencies in administering the program to reduce costs to the extent practicable;
- Eliminated the Pre-Proposal Planning category to ensure funding was available for on-the-ground projects;
- Eliminated Executive Committee approval authority for budget reallocation of unused funds from one project to another within the same category; and
- Gave extra points to projects that leveraged funding, either in dollars or in-kind contributions.

Conserve and Restore Natural Resources

The Executive Committee developed new criteria to evaluate science projects to ensure they address agency science needs, are cost effective, and include scientifically defensible methods. These criteria are being implemented in Round 13.

In addition, the Executive Committee will

continue to emphasize projects that have aesthetic values, as well as meet the goals of the particular funding category. These projects complement the surrounding environment. Several entities received project awards during 2011:

The City of Henderson

American Society of Landscape Architecture - Honor Award - Planning the Whitney Mesa Trail

American Society of Landscape Architecture - Honor Award & Project of the Year - Hidden Falls Park

Nevada Parks & Recreation Association - Elmer Anderson Award of Excellence - Whitney Mesa Nature Preserve

Nevada Parks & Recreation Association - Elmer Anderson Award of Excellence - Amador Vista Park

The City of North Las Vegas

American Society of Landscape Architecture - Merit Award for Unbuilt Projects - Craig Ranch Regional Park

American Society of Landscape Architecture - Merit Award for Trails - Upper Las Vegas Wash Trail

The Bureau of Land Management Southern Nevada District Office

Concrete Masonry Association of California & Nevada - Sustainable Design Grand Award - Red Rock Canyon NCA Visitor Center

Concrete Masonry Association of California & Nevada - Public/Civic Design Award - Red Rock Canyon NCA Visitor Center

United States Green Building Council - LEED Gold Certification - Red Rock Canyon National Conservation Area (NCA) Visitor Center

Clark County

32nd Annual Telly Awards - TV Programs (Nature/Wildlife) - Bronze Award for the program "Desert Oasis" about the Clark County Wetlands Park

Protect Communities and Support Resource Protection

The Southern Nevada Agency Partnership Law Enforcement and Anti-Litter Team were involved in events such as the Hispanic Community Day Parade, Families in Nature, Dia de los Muertos, the Las Vegas Science Fair, and multiple cleanup projects coordinated with volunteer

groups to promote responsible land use. A BLM-managed program, under the auspices of the Don't Trash Nevada campaign, accomplished 26 trash cleanups on public lands resulting in the removal of 2,050 yards of trash. The BLM encouraged community participation; as a result 10 community groups and one school group, with a total of 510 volunteers, assisted the BLM in caring for their community.

SNPLMA funding and interagency participation allowed for the apprehension, conviction, and sentencing of individuals for vandalism (graffiti) and theft of cultural resources at sites in Red Rock Canyon NCA, Spring Mountains National Recreation Area (NRA) and Lake Mead National Recreation Area (NRA). These convictions garnered national press.

Develop and Refine Operational Guidelines

The Executive Committee directed that a new Streamlining Committee be formed to evaluate SNPLMA business practices and ascertain if there were opportunities to increase efficiency and enhance communication. Membership was open to all partners. Suggested improvements that have been implemented include the creation of a SNPLMA business process flow chart, contact directory, project modification tracking spreadsheet, and standardized forms and instructions for project modification requests. All of the developed products have been posted to the SNPLMA website.

Enhance Program Management

The Executive Committee instituted a number of changes that have been incorporated into the SNPLMA Implementation Agreement which:

- Expanded project termination guidance and eliminated the "on hold" option to reduce project timeframes and encourage project completion;
- Developed project timeframes by category that are more in line with other Federal contracting and grant programs;
- Required requests for project modifications, especially time extension requests, to be submitted 120 days in advance of project expiration to allow adequate processing time;
- Ensured policy and procedures emphasize accountability for proper use of funds; and
- Provided authority to the SNPLMA Division for approval of a 90-day

time extension for projects nearing expiration in order to allow entities time to complete the paperwork associated with project closeout.

Other actions that were incorporated include:

- Committed to completing the majority of the projects funded in Rounds 1-6, over 500 projects, by the end of 2014;
- Continued development of a quarterly database system available to all partners through the SNPLMA website with completion targeted for January 2013;
- Ensured the SNPLMA website contains updated information and photos on projects through Round 12;
- Implemented a third-party review of the SNPLMA Implementation Agreement and governance structure;
- Updated the project database to enhance reporting and provide a complete record of program administration;
- Hired a temporary employee dedicated to assembling an accurate administrative record; and
- Directed that future nominations identify project purpose and deliverables. The deliverables will be described as specific project outputs and/or outcomes and will be linked to the SNPLMA Strategic Plan.

Promote Partnerships

At the request of the local government entities, the Executive Committee agreed to add a second local government representative to the Partners Working Group, which is the group that develops recommendations for the Executive Committee.

The Executive Committee committed to hold annual meetings with all of the SNPLMA partners, as it was agreed that this type of forum is valuable to facilitate dialogue, provide transparency, and build trust among the partners.

The Executive Committee agreed to provide any SNPLMA Implementation Agreement changes to all partner entities for review and comment prior to their approval.

RECREATION AND PUBLIC PURPOSES ACT

The SNPLMA authorizes the Secretary to make lands available for disposal, within the SNPLMA disposal boundary, as defined in the Act. The Act also provides for units of local government and the State of Nevada to reserve these lands for future use in accordance with the Recreation and Public Purposes Act (R&PP) of June 14, 1926, as amended.

Examples of typical uses under the R&PP are historic monument sites, schools, fire and police stations, parks, landfills, municipal facilities, hospitals, and fairgrounds. The land must be developed according to a plan of development approved by the BLM.

The R&PP allows governmental entities and non-profit organizations to obtain

certain public lands for recreation or public purposes through lease or conveyance at little or no cost, with pricing established by regulations at 43 CFR 2912.1-1(d) for lease rental and 43 CFR 2741.8 for conveyance. The BLM's policy pursuant to the Act is to first lease the identified lands and then convey the land once it has been developed. Governmental entities lease land annually for \$2 per acre per year with a \$25 minimum annual rental payment per transaction and lands are patented for \$10 per acre with a \$50 minimum per transaction. Non-profits can lease and patent lands at a 10 to 50 percent discount on fair market value, depending on usage. Recreation and Historic Monuments are at no cost for lease or conveyance to governmental entities.

In accordance with the SNPLMA, funds collected for the R&PP lease/conveyance actions are deposited into the SNPLMA Special Account.

The R&PP provides governmental entities, including the State of Nevada, with a substantial cost savings in the purchase price, benefitting the public with lower costs for projects that are for recreational or public purposes, such as schools, parks, and fire stations.



Sunrise Mountain High School (Ken Ozawa | BLM)



Hickey Elementary School (Ken Ozawa | BLM)



Bailey Middle School (Ken Ozawa | BLM)



Lone Mountain Park under construction (Ken Ozawa | BLM)

FY 2011 ACCOMPLISHMENTS

Completed Projects

2

SNPLMA funding supports the acquisition of environmentally sensitive land and interests in land within Nevada with priority given to acquiring lands in Clark County.

Lands have been proposed for acquisition by fee or easement in 12 rounds through FY 2011. All land acquisition projects approved for funding in Rounds 1 through 6 are completed or were terminated because of title issues or because the acquisition price could not be agreed upon.

The Green Gulch Ranch and Clear Creek Property projects were completed in FY 2011 and total 787.07 acres of environmentally sensitive land acquisitions.



Green Gulch Ranch Property (American Land Conservancy)



Clear Creek Property (USFS)

Clear Creek Property
Funding Approved: Round 8
Cost: \$815,000
Completed: September 2011
Location: Carson City County

The United States Department of Agriculture Forest Service (USFS) acquired the property from a private individual in order to protect natural resources including riparian, watershed, wildlife habitat, and species of concern. The USFS was able to leverage \$10,000 in Forest Service Receipts Act funds for the purchase. The property is just over 137 acres, surrounded by USFS-managed Humboldt-Toiyabe Forest lands, bisected by Highway 50, and lies within Congressional District 2. Resources include mature riparian resources and mature upland conifer vegetation, which together provide habitat for a variety of wildlife species. The property contains approximately 3,900 linear feet of floodplain and wetland habitat associated with Clear Creek. The streamside areas support mature riparian vegetation and the upland areas support mature mixed conifer vegetation typical of the 6,000 to 6,600 elevation zone of the Carson Range. The land provides fishery habitat and Clear Creek has been identified by the Washoe Tribe as an important cultural resource. Federal ownership of the property protects visual and cultural resources and enhances access to recreation on adjacent USFS lands.

Green Gulch Ranch
Funding Approved: Round 8
Cost: \$650,000
Completed: September 2011
Location: Washoe County

The BLM Carson City District acquired the 650-acre Green Gulch Ranch property from the American Land Conservancy. The property is completely surrounded by BLM land in the southern end of the Petersen Mountains within Nevada's Congressional District 2. Elevations range from approximately 5,700 to 6,700 feet. The property is bisected by a semi-perennial stream. The Green Gulch Ranch property acquisition was the final chapter in a 12-year effort to consolidate in-holdings within the Petersen Mountains in Nevada. The property lies at the head of a critical bottle neck in the migration corridor for the Toiyabe-Truckee-Sierra Valley mule deer herd and its acquisition keeps this constrained portion of the migration corridor open and maintains connectivity between protected habitats. The Green Gulch property is within the Virginia Mountains Sage Grouse Population Management Unit and lies within the BLM Carson City Field Office critically designated Mountain Quail habitat. The property also serves as a recreation thoroughfare for hiking, mountain biking, and horseback riding, and is extensively used by the local communities of Border Town and Silver Lake.

CAPITAL IMPROVEMENTS

FY 2011 ACCOMPLISHMENTS

Completed Projects

18

The SNPLMA funds capital improvements at the Lake Mead National Recreation Area, the Desert National Wildlife Refuge, the Red Rock Canyon National Conservation Area, the Great Basin National Park, and other areas in Clark, Lincoln, and White Pine Counties. These projects include repair or rehabilitation of existing infrastructure, construction of new facilities, and other improvements needed to protect resource values. Examples include the construction of fire stations, re-contouring streams to improve habitat, and other improvements to campgrounds and other visitor facilities.

Summary of Accomplishments:

- Upgraded five launch ramps and three docks at Lake Mead NRA;
- Completely closed 123 abandoned mine sites and installed bat gates at seven sites;
- Installed 41 linear miles of fencing and 12 cattle guards to protect wild horses and burros;
- Constructed 3.6 linear miles of trail;
- Installed kiosks at five trailheads;
- Installed 21 signs along National Scenic Byway roads;
- Upgraded or constructed public campground amenities at three sites;
- Upgraded two fire station facilities to improve sustainability; and
- Constructed a barrier to protect riparian and stream habitat at one location.

Upgrade Canoe/Raft Launch Ramp
Funding Approved: Round 4
Cost: \$526,255
Completed: May 2011
Location: Clark County

The canoe/raft launch ramp site below Hoover Dam was upgraded to improve safety and enhance visitor experience for raft tour operators and recreationists by installing hardened walkways, handicapped ramps, and railings. Canoe and raft trips initiating at this ramp take visitors through the Black Canyon, formed by the Colorado River just below the Hoover Dam where the canyon walls rise nearly 2,000 feet from the river's edge. The exquisite Black Canyon region varies from sheer cliffs of multicolored rocks to sandy beaches and secluded coves, making it a premier location for rafting and boating. The canoe/raft launch area is on the Colorado River approximately 2,500 feet downstream of Hoover Dam and offers the visitor an unparalleled view of the dam and the recently completed Mike O'Callaghan-Pat Tillman Memorial Bridge spanning Black Canyon.

This Round 4 project was managed by the Bureau of Reclamation (BOR) due to its location in the Hoover Dam "security zone," with additional input from the Arizona State Historic Preservation Office.



Rafters at launch site near Hoover Dam (Robert Wandel | BLM)

Campground Rehabilitation and Improvements
Funding Approved: Round 4
Cost: \$109,998
Completed: May 2011
Location: Lincoln County



New group picnic shelter (FWS)

The Fish and Wildlife Service (FWS) completed upgrades to existing camping and picnic facilities at the Pahrnatag National Wildlife Refuge. The project consisted of upgrades to existing primitive campsites, improved accessibility to existing facilities, construction of a new group picnic area, installation of a new handicap-accessible restroom facility, and upgrade and resurface of a gravel road to improve accessibility. The information kiosk was upgraded with new interpretive information to enhance visitor experience.

FY 2011 ACCOMPLISHMENTS

Completed Projects

4

Conservation Initiatives promote conservation and improve the quality of Federal lands in Clark, Lincoln, and White Pine Counties, and Carson City, Nevada. Conservation Initiatives include planning, implementation, monitoring, and National Environmental Policy Act (NEPA) compliance. Also included are delivery of programs that are critical to protecting and sustaining resources in Nevada, such as litter and desert dumping clean-up and prevention, natural and cultural resource protection, recreation, and habitat restoration.

Summary of Accomplishments:

- Inventoried 2,733 features on abandoned mine lands;
- Restored one cave to a natural hydrologic function; and
- Completed two planning documents.

Restore Natural Processes and Cave Floor in Lehman Cave

Funding Approved: Round 8

Cost: \$232,691

Completed: September 2011

Location: White Pine County

Over the past 120 years, Lehman Cave, a remarkable cave resource in Great Basin National Park, has been developed to facilitate visitation. Development included using wood, iron, steel, copper, tin, lead, asphalt, and other materials to create a trail and electrical system throughout the cave. In 1981, parts of Lehman Cave were closed to the public due to safety concerns. Although certain trails were no longer in use after that time, the materials used to create them remained in place; the physical deterioration and chemical decomposition of the trail and lighting system left in place threatened cave resources by disrupting cave processes, harming cave biota, and adversely impacting water quality.

The National Park Service (NPS) worked to restore 4,700 square feet of cave floor in Lehman Cave by removing over 800 feet of trails and 1,500 feet of electrical lines. The project was carried out by part-time staff and volunteers from the Southern Nevada

Grotto (a non-profit group dedicated to caving and cave protection) as well as other cavers from Nevada and Utah. Over 57 tons of debris were removed from the cave in 5-gallon buckets. Volunteers also assisted with an extensive before and after photo inventory. Although most of the restoration work was conducted in restricted areas and is closed to visitors, restoration of the Sunken Gardens area is visible from one of the offered tours.

Research and Planning to Restore Fire in the Spring Mountains NRA

Funding Approved: Round 5

Cost: \$807,241

Completed: September 2011

Location: Clark County



Spring Mountains National Recreation Area (USDA Forest Service)

Fire exclusion (prevention) over the last 50 years in the Spring Mountains NRA has resulted in forest vigor decline, increased forest insect and disease outbreaks, lowered water tables, reduction in early successional wildlife and plant species, and increased susceptibility to catastrophic fire. An Environmental Assessment (EA) and related biological surveys were completed for the Wildland Urban Interface (WUI) on the Spring Mountains NRA.

The EA was prepared to determine possible positive or negative impacts of implementing the Spring Mountains Hazardous Fuels Reduction Project (HFRP), a Round 6 SNPLMA project. Aspects of the assessed project included the use of natural-caused and management-ignited fires to replicate wildland fire at its natural frequency. With completion of the EA and a finding of no significant impact, it enabled the USFS to proceed with implementing the HFRP.



Sunken Gardens before restoration (Rick Bowersox | Southern Nevada Grotto)



Sunken Gardens after restoration (Rick Bowersox | Southern Nevada Grotto)

LAKE TAHOE RESTORATION PROJECTS

FY 2011 ACCOMPLISHMENTS

Completed Projects

18

The SNPLMA was amended in 2003 to provide funding for the Federal share of the Lake Tahoe Environmental Improvement Program (EIP) as set forth in the Lake Tahoe Restoration Act (LTRA).

Lake Tahoe is one of the largest and deepest lakes in the United States and is known for the crystal clarity of its water; however, the lake and surrounding basin are threatened by land disturbance on public and private land, transportation patterns, and climate change. The LTRA authorized up to \$300 million for expenditures by the USFS and its partners for projects to restore and protect water, air, and forest resources throughout the Lake Tahoe Basin.

Summary of Accomplishments:

- Restored 20 acres of ecosystem;
- Completed 10 studies/plans;
- Treated 2,380 acres of hazardous fuels;
- Inspected/decontaminated over 12,677 boats for invasive aquatic species;
- Reintroduced a native fish species at one location; and
- Developed two software systems.

There were a number of significant accomplishments in 2011, including the development of the Riparian Ecosystem Restoration and Effectiveness Framework and re-vegetation of areas adjacent to roads, trails, and travel ways.

A Comprehensive Integration of Past Stream Restoration Efforts and Future Tools to Evaluate and Track the Multitude of Benefits by Stream and Meadows in the Lake Tahoe Basin
Funding Approved: Round 8
Cost: \$177,004
Completed: August 2011
Location: Lake Tahoe, California and Nevada



Riparian Ecosystem Restoration and Effectiveness Framework (2ND NATURE LLC)

This project evaluated effectiveness of past, current, and future stream and meadow restoration projects. Millions of dollars have been spent on stream and meadow restoration projects in the Lake Tahoe Basin over the past 2 decades, with little to no consistency among agencies in planning, tracking, and evaluating the effectiveness of these restoration efforts.

The results of the evaluation, which was implemented collaboratively with a number of state and Federal agencies, is the Riparian Ecosystem Restoration and Effectiveness Framework, which contains a number of specific recommendations and guidelines on how to improve the quality of protocol and metric selection, analysis, and reporting to increase the confidence in effectiveness monitoring results. This framework document is actively being utilized by several agencies as guidance in developing project specific monitoring plans for current projects, including those involved in the restoration of the Upper Truckee River.

Basin Re-vegetation and Restoration

Funding Approved: Round 7

Cost: \$116,000

Completed: July 2011

Location: Lake Tahoe, California and Nevada

The USFS, Lake Tahoe Basin Management Unit (LTBMU) completed this project to re-vegetate areas within a 150-foot buffer of existing roads, trails, crossings, and travel ways. Re-vegetation efforts improve soil conditions, establish native vegetation, and prevent vehicle and pedestrian access from creating more disturbances. Various restoration and re-vegetation projects were implemented at multiple high-priority areas in the Lake Tahoe Basin including the Logan Shoals Vista, Meeks Bay Campground, Baldwin Beach Parking Area, the LTBMU Office, and various Forest Service system roads. The primary objective was to restore the road side vegetation in high use areas so it can perform as a natural filter for runoff water to reduce fine sediment loading to protect Lake Tahoe water clarity.



Re-vegetation of Logan Shoals, Nevada (USFS – LTBMU)

FY 2011 ACCOMPLISHMENTS

Completed Projects

12

This funding category benefits local communities through the development of parks, trails, and natural areas (PTNA) in Clark, Lincoln, and White Pine Counties in Nevada. Washoe County and Carson City, Nevada are also eligible for PTNA funding, subject to certain limitations. Funds are provided for acquisition of lands, easements, or rights-of-way necessary to develop parks, trails, and natural areas, as well as for construction or renovation of such projects by local and regional governmental entities.

Summary of Accomplishments:

- Acquired 1,234 acres of land;
- Constructed 9.3 miles of trail and associated amenities;
- Installed or improved park amenities at five locations; and
- Produced outreach/interpretive materials for one location.

Two of the notable projects completed in 2011 were trail construction and integration of a bird viewing preserve within the City of Henderson Water Treatment Facility.

City of Henderson Bird Viewing Preserve
Funding Approved: Round 5
Cost: \$1,858,560
Completed: September 2011
Location: Henderson, Clark County

The City of Henderson Bird Viewing Preserve encompasses 140-acres and is home to thousands of migratory waterfowl as well as numerous resident desert birds. The Preserve is located within the City of Henderson Water Treatment Facility and includes nine reclaimed water ponds available to the public for birding. This project provided the Preserve with needed facilities to expand educational opportunities and improve the overall birding experience for the public. Specifically, the project constructed an outdoor classroom, a boardwalk and pier, bird blinds, a park overlook, and installed walkways, benches, trash receptacles, interpretive signing, landscaping and irrigation, and removed invasive weed species.

The Bird Viewing Preserve benefits the general public and specifically birders, passive recreationists, school children, tour groups, and nature lovers by preserving habitat for more than 200 species of birds. The Preserve provides insight for visitors into its unique situation of developing invaluable wildlife habitat through integration of the municipal wastewater treatment facility.

River Mountains Loop Trail Sections 3 & 4
Funding Approved: Round 6
Cost: \$1,979,979
Completed: July 2011
Location: Boulder City, Clark County

The Clark County River Mountains Loop Trail Sections 3 and 4 is a part of a combined effort by Clark County, City of Henderson, City of Boulder City, NPS, BOR, and BLM to develop and construct a 35-mile, non-motorized loop trail. This section of the project connects the Lake Mead NRA and Hoover Dam to Boulder City, City of Henderson, surrounding public land, and the Las Vegas Valley. Clark County and Boulder City jointly implemented this project, constructing 4.6 miles of asphalt trail, including interpretive displays, trail signage, and other common trail amenities.



Cyclist on River Mountains Loop Trail (Ken Ozawa | BLM)



Viewing Platform at City of Henderson Bird Viewing Preserve (Ken Ozawa | BLM)

HAZARDOUS FUELS AND WILDFIRE PREVENTION

FY 2011 ACCOMPLISHMENTS

Completed Projects

1

The SNPLMA was amended in 2006 to allow funding for development and implementation of comprehensive, cost effective, multi-jurisdictional hazardous fuels reduction and wildfire prevention plans for the Lake Tahoe Basin, the Carson Range in Douglas and Washoe Counties and Carson City, and the Spring Mountains in southern Nevada. Hazardous Fuels Reduction and Wildfire Prevention projects may include project level planning, fuels reduction treatment activities, biomass utilization, and biofuels energy development and production activities.

Because this category was not established until 2006, no implementation projects have yet been completed. However, the Clear Creek project EA and implementation plan were completed this year.

Clear Creek Hazardous Fuels Reduction Planning Project

Funding Approved: Round 8

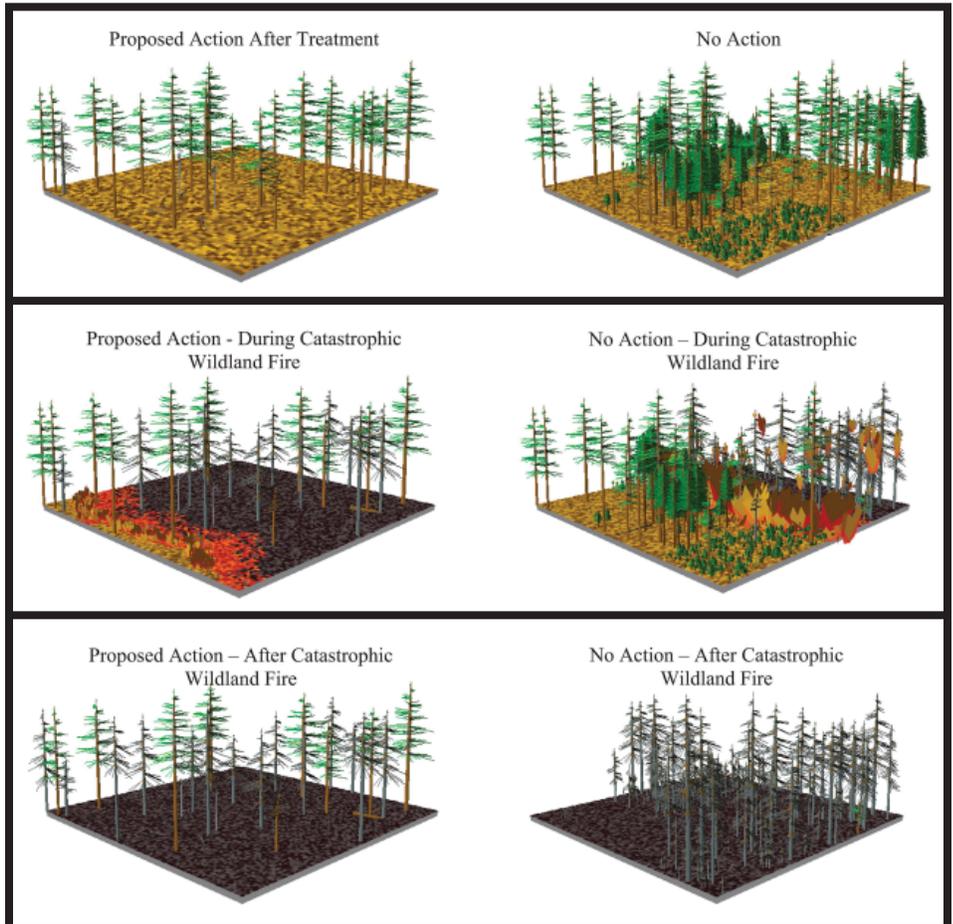
Cost: \$39,778

Completed: April 2011

Location: Carson City and Douglas Counties

The USFS, Humboldt-Toiyabe National Forest Carson Ranger District Clear Creek Hazardous Fuels Reduction Planning Project is identified in the Carson Range 10-Year Comprehensive Multi-Jurisdictional Hazardous Fuels Reduction and Wildfire Prevention Plan funded by SNPLMA. The Clear Creek project completed an EA and implementation treatment plan for approximately 12,190 acres. The Clear Creek area is located southwest of Carson City, Nevada, and contains USFS-administered

lands intertwined with private and State of Nevada park lands. The EA and treatment plan are required prerequisite steps to implement future fuels reduction projects. The USFS employed an integrated resource management objective approach to the EA and treatment plan; analyzing the project under the guidelines of a healthy forest and ecosystem enhancement project. Through the integrated resource management objective approach, the USFS looked at desirable tree and shrub species, watershed function, wildlife and botany benefits, timber health, aspen stands, and other forest health and productivity conditions. The resulting plan and EA provides the USFS with a solid blueprint to begin reducing hazardous fuels to prevent catastrophic wildfires while restoring forest and ecosystem health.



Catastrophic wildland fire simulation model showing predicted results of proposed treatments and no action

CLARK COUNTY MULTIPLE SPECIES HABITAT CONSERVATION PLAN

FY 2011 ACCOMPLISHMENTS

Completed Projects

15

The Multiple Species Habitat Conservation Plan (MSHCP) targets 78 sensitive, threatened, and endangered species, including the threatened Desert Tortoise. The plan ensures that the loss of habitat, as authorized by a USFWS Section 10 incidental take permit, is adequately minimized and mitigated. Clark County, the other permittees, and the Federal agencies on whose land the mitigation actions take place, work together to implement projects under this category of work.

Summary of Accomplishments:

- Installed or maintained 610 signs along 91 backcountry roads;
- Surveyed 6,149 acres for weed infestation;
- Treated 65,382 invasive weeds;
- Performed 853 transect surveys as part of the study of 19 rare or sensitive species; and
- Produced one planning document.

Numerous projects were completed in FY 2011, including the experimental habitat manipulation for relict leopard frog and road monitoring on Lake Mead NRA.



Relict Leopard Frog (Jessie Stegmeier | BLM)

Evaluation of Experimental Habitat Manipulations on Relict Leopard Frog Populations

Funding Approved: Round 6

Cost: \$338,869

Completed: September 2011

Location: Clark County

The relict leopard frog (*Rana onca*) is currently listed as a BLM-sensitive species, is a candidate for the Endangered Species List, and is addressed in the Clark County Multiple Species Habitat Conservation Plan (MSHCP). In the 1990s, populations were only known to be in seven sites in three natural spring areas. Since that time, two populations have gone extinct: Both local extinctions occurred concurrently with changes in habitat caused by increased vegetation and decreased open space at the spring sites.

The purpose of this project was to test (1) whether the reduction of vegetation cover and density at springs will increase use of modified areas by relict leopard frogs, thus potentially allowing for higher numbers within the system, and (2) whether eradication of fish from springs will increase tadpole survival and ultimately increase recruitment of relict leopard frogs. Results of these studies will be used to provide information for future management planning for the species.

The research design prescribed the following accomplishments in order to study the effect of modified environments on populations of the relict leopard frog:

- Reduced vegetation density over 415 linear meters of habitat;
- Used prescribed burn treatment on 157 linear meters of habitat to identify practical methods to improve habitat conditions;
- Collected and assessed data describing vegetation responses to habitat modifications;
- Created four fish-free pond systems; and
- Conducted surveys to evaluate the estimated adult frog numbers and monitored responses to experimental actions.

Although vegetation in treated areas returned to pre-treatment levels within a year, evidence indicates that frogs preferred the modified sites.

Monitoring of Road Conditions and Signs

Funding Approved: Round 6

Cost: \$117,182

Completed: September 2011

Location: Clark County

Illegal off-road travel is a significant threat to natural resources and is responsible for causing habitat fragmentation and degradation, direct mortality of threatened and endangered species, and expansion of weeds. This project provided data to support restoration and road maintenance programs, maintained and replaced signs and fencing, and developed and disseminated interpretive materials to enhance understanding of off-road travel issues which provided an added benefit of improving rider safety.

All accessible roads, signs, fences, and barriers on the Nevada side of the Lake Mead NRA were monitored every quarter for 2 years. Additional monitoring occurred to collect and identify information, conditions, materials, and locations of 400 backcountry signs and posts. Results of these monitoring efforts were the installation of 117 signs on approved backcountry roads and the development and population of a database to improve inventory and maintenance of signs and posts.



"No Motorized Vehicles" sign (Ken Ozawa | BLM)

EASTERN NEVADA LANDSCAPE RESTORATION PROJECT

FY 2011 ACCOMPLISHMENTS

Completed Projects

1

The SNPLMA 2006 amendments authorize funding for implementation of the Eastern Nevada Landscape Restoration Project (ENLRP). The ENLRP category supports projects that promote resilient and healthy ecosystems within the Great Basin ecosystem in White Pine and Lincoln Counties. Projects include planning, implementation, research, monitoring, environmental analysis and associated documentation, NEPA compliance, and delivery of programs such as fire management and improvements to forests, woodlands, and rangelands. Research projects must demonstrate a practical application to management of Federal lands in order to be accepted for consideration.

The treatment of aspen stands on Ward Mountain is the first completed project under this category.

Conifer Removal in Aspen Stands on Ward Mountain

Funding Approved: Round 8

Cost: \$64,185

Completed: April 2011

Location: White Pine County

The Humboldt-Toiyabe National Forest, Ely Ranger District treated 130 acres of aspen stands by removing pinyon pine, juniper, and white fir trees encroaching into adjacent aspen stands using hand thinning techniques. Decades of effective fire suppression allowed conifers to grow in aspen stands, which increased the competition for water and nutrients and resulted in aspen stands being more at risk to the effects of wildland fires. Aspen communities have high biodiversity second only to riparian areas in western ranges. The high diversity in the understory plants supplies critical wildlife habitat and protection for soil and water.



Ward Mountain after treatment (USFS)

FY 2011 ACCOMPLISHMENTS

Completed Projects

4

A \$25 million reserve for Pre-Proposal Planning (PPP) was approved for use in Round 6 by the Secretary of the Interior to fund feasibility, initial planning, and pre-proposal design for future project nominations within the eligible categories. The purpose of the reserve was to provide funding to conduct necessary planning and conceptual designs to determine if the proposed projects were feasible and so that future nominations would have more accurate cost estimates, project scopes, and schedules for completion. The Secretary authorized the SNPLMA Executive Committee to decide which projects should receive PPP funding. In Round 6, the Executive Committee approved 42 projects within various categories for eligible agencies/entities. A PPP reserve was also approved in Rounds 7 (\$5 million) and 8 (\$2 million); however, no additional PPP projects were approved beyond Round 6 because to do so would create a need and demand for future project work, which the SNPLMA could not sustain. If needed in the future, the Executive Committee can recommend that the Secretary of the Interior approve a PPP reserve in future rounds.

Summary of Accomplishments:

- Produced four planning documents

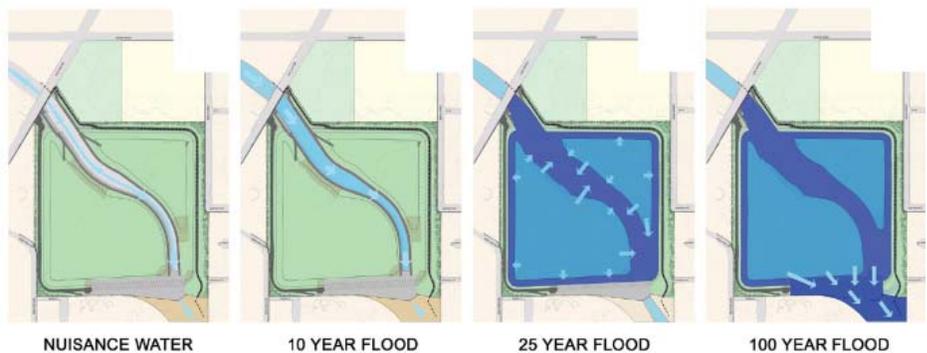
Vias Verdes Trailhead
Funding Approved: Round 6
Cost: \$295,000
Completed: September 2011
Location: Las Vegas, Clark County

The City of Las Vegas Vias Verdes Pre-Proposal Planning (PPP) project provided a feasibility study for the 100-acre Vias Verdes Trailhead. The funding to construct the Vias Verdes Trailhead will be requested in a future round in order to provide a public access point that connects the trailhead to a series of parks and open spaces planned to surround the entire Las Vegas Valley.

The Vias Verdes PPP provided detailed information including a site analysis, cost estimate, operations and maintenance impacts, design documents, and recommendations for construction in phases as funding becomes available.

Cheyenne Peaking Basin Park
Funding Approved: Round 6
Cost: \$486,000
Completed: June 2011
Location: North Las Vegas, Clark County

The City of North Las Vegas Cheyenne Peaking Basin Park Pre-Proposal Planning project provided a feasibility study for the 22-acre park. The park would be located in a storm water detention basin in a culturally diverse and economically challenged area that is predominantly built-out and generally underserved by parks. The Cheyenne Peaking Basin Park PPP provided detailed master planning for the park to ascertain costs for the final design and construction phases.



Flood Study for Cheyenne Peaking Basin Park

APPENDIX A: SNPLMA REVENUE TO DATE

SNPLMA REVENUE THROUGH SEPTEMBER 30, 2011 (INCLUDES INTEREST INCOME)

Revenue Generated by Land Auctions	\$2,787,077,611
Revenue Generated by Direct Sales	\$118,936,335
Land Auction Mineral Conveyances and Deposit Forfeitures	*\$2,158,900
Revenue Generated from Leases and Sales of Cooperative Management Area Lands	\$107,358,033
Revenue Generated from Affordable Housing Disposals	*\$673,150
Amount Collected as Monetary Payment to Equalize Land Exchange Transactions	*\$12,131,750
Interest Redeemed on the Special Account	\$321,999,195
Total Revenues through September 30, 2010	\$3,350,334,974

*Same as FY2010

APPENDIX B: FUNDING ALLOCATIONS THROUGH ROUND 12*

FUNDING ALLOCATED AS OF SEPTEMBER 30, 2011

Round	Land Acquisitions	Capital Improvements	Parks, Trails and Natural Areas	Lake Tahoe Restoration	MSHCP†	Conservation Initiatives	ENLRP‡	Hazardous Fuels	Special Account Reserve	Pre-Proposal Planning	Total Secretarial Approved Funding
Round 1	\$24,081,525	\$5,440,000	\$4,200,000	-	-	-	-	-	-	-	\$33,721,525
Round 2	\$54,518,800	\$6,083,050	\$9,292,800	-	\$4,648,334	-	-	-	\$5,000,000	-	\$79,542,984
Round 3	\$48,599,100	\$26,405,625	\$43,792,942	-	-	-	-	-	\$5,000,000	-	\$123,797,667
Round 3 Supplemental	\$9,792,200	-	-	-	-	-	-	-	-	-	\$9,792,200
Round 4	\$111,850,099	\$117,567,613	\$99,895,004	-	\$15,851,237	\$36,222,170	-	-	\$10,000,000	-	\$391,386,123
Round 5	\$51,853,791	\$97,293,394	\$388,479,612	\$37,084,900	-	\$53,250,972	-	-	\$15,000,000	-	\$642,962,669
Round 6	\$124,149,740	\$169,538,170	\$468,708,922	\$44,762,000	\$30,706,817	\$80,331,758	-	-	\$35,000,000	\$25,000,000	\$978,197,407
Round 7	\$49,582,170	\$19,612,908	\$37,469,300	\$48,111,065	-	\$8,435,618	-	-	\$14,900,000	\$5,000,000	\$183,111,061
Round 8	\$7,061,956	\$15,111,475	\$25,213,548	\$45,365,000	\$2,972,487	\$9,606,696	\$1,829,575	\$14,603,430	\$15,000,000	\$7,000,000	\$143,764,167
Round 9	\$7,629,600	\$26,213,171	\$19,298,969	\$27,966,000	-	\$4,504,742	\$3,813,469	\$11,521,654	\$14,000,000	-	\$114,947,605
Round 10	\$13,066,000	\$8,246,129	\$10,239,022	\$27,891,285	-	\$7,655,107	\$1,931,721	\$10,963,140	\$10,000,000	-	\$89,992,404
Round 11	\$11,267,250	\$9,647,508	\$14,722,396	\$34,680,353	-	\$1,184,836	\$1,290,835	\$3,949,800	\$5,000,000	-	\$81,742,978
Round 12	\$877,600	\$1,109,275	\$1,319,222	\$34,139,397	\$92,000	\$1,641,671	\$996,100	\$1,496,600	\$1,500,000	-	\$43,171,865
Total	\$514,329,831	\$502,268,318	\$1,122,631,737	\$300,000,000	\$54,270,875	\$202,833,570	\$9,861,700	\$42,534,624	\$130,400,000	\$37,000,000	\$2,916,130,655

MANDATORY FUNDING

Payments to State of Nevada Education Fund	\$152,719,562
Payments to Southern Nevada Water Authority for infrastructure improvements	\$288,053,762
Payments to Clark County Department of Aviation	\$10,735,361
Amount Allocated to Lake Tahoe Basin Land Acquisition Fund (Santini-Burton)	\$84,505,518
Amount Allocated to Virgin River MSHCP Fund	\$12,188,215
Amount Allocated to Sloan Canyon Fund	\$73,409,575
Amount Allocated to Ivanpah Airport Fund	\$24,050,091
Total Operating Costs and Reserves through 2011	\$76,046,664
Total mandatory funding	\$721,708,748

*SNPLMA Round 12 was signed by the Secretary of the Interior on August 9, 2011 (FY 2011)

†Multiple Species Habitat Conservation Plan

‡Eastern Nevada Landscape Restoration Project

APPENDIX C: PROJECT STATUS BY CATEGORY THROUGH FY 2011

STATUS OF PROJECTS, ROUNDS 1-12

Category	Status	Rd 1	Rd 2	Rd 3	Rd 4	Rd 5	Rd 6	Rd 7	Rd 8	Rd 9	Rd 10	Rd 11	Rd 12	Totals
Environmentally Sensitive Land Acquisitions	In Progress	0	0	0	0	0	0	0	1	3	1	4	2	11
	Terminated	6	8	10	29	4	1	2	0	0	1	0	0	61
	Completed	5	14	8	22	4	7	3	4	0	0	0	0	67
	Total	11	22	18	51	8	8	5	5	3	2	4	2	139
Capital Improvements	In Progress	0	0	6	19	26	35	6	4	7	6	4	2	115
	Terminated	1	3	4	1	2	3	0	0	0	0	0	0	14
	Completed	14	20	34	20	4	3	0	1	0	0	0	0	96
	Total	15	23	44	40	32	41	6	5	7	6	4	2	225
Parks, Trails, and Natural Areas	In Progress	0	0	3	6	27	39	6	9	11	10	10	3	124
	Terminated	0	1	1	4	3	2	0	0	0	0	0	0	11
	Completed	1	5	16	18	10	6	0	0	1	0	0	0	57
	Total	1	6	20	28	40	47	6	9	12	10	10	3	192
Multi-Species Habitat Conservation Plans	In Progress	0	0	0	2	0	24	0	3	0	0	0	2	31
	Terminated	0	0	0	0	0	16	0	0	0	0	0	0	16
	Completed	0	1	0	0	0	19	0	0	0	0	0	0	20
	Total	0	1	0	2	0	59	0	3	0	0	0	2	67
Lake Tahoe Restoration Projects	In Progress	0	0	0	0	9	16	51	43	40	37	17	23	236
	Terminated	0	0	0	0	2	1	2	0	1	1	1	1	9
	Completed	0	0	0	0	39	35	10	2	0	0	0	0	86
	Total	0	0	0	0	50	52	63	45	41	38	18	24	331
Conservation Initiatives	In Progress	0	0	0	10	16	27	6	9	7	9	2	3	89
	Terminated	0	0	0	0	0	0	1	0	0	0	0	0	1
	Completed	0	0	0	3	5	3	0	1	0	0	0	0	12
	Total	0	0	0	13	21	30	7	10	7	9	2	3	102
Eastern Nevada Landscape Restoration Projects	In Progress	0	0	0	0	0	0	0	3	8	5	4	2	22
	Terminated	0	0	0	0	0	0	0	0	0	0	0	0	0
	Completed	0	0	0	0	0	0	0	1	1	0	0	0	2
	Total	0	0	0	0	0	0	0	4	9	5	4	2	24
Hazardous Fuels and Wildfire Prevention	In Progress	0	0	0	0	0	0	0	13	13	11	8	5	50
	Terminated	0	0	0	0	0	0	0	0	0	0	0	0	0
	Completed	0	0	0	0	0	0	0	1	0	0	0	0	1
	Total	0	0	0	0	0	0	0	14	13	11	8	5	51
Pre-Proposal Planning Projects	In Progress	0	0	0	0	0	18	0	0	0	0	0	0	18
	Terminated	0	0	0	0	0	0	0	0	0	0	0	0	0
	Completed	0	0	0	0	0	25	0	0	0	0	0	0	25
	Total	0	0	0	0	0	43	0	0	0	0	0	0	43
Round Project Totals		27	52	82	134	151	280	87	95	92	81	50	43	1,174

SUMMARY OF PROJECT STATUS, INCEPTION TO SEPTEMBER 30, 2011

	Total Projects	% of Total
In Progress	696	59%
Terminated	112	10%
Completed	366	31%
Total Projects	1,174	100%

APPENDIX D: STATUS OF OTHER PROJECTS THROUGH FY 2011

STATUS OF PROJECTS WITH MANDATORY FUNDING

Santini-Burton Acquisitions	In Progress	8
	Terminated	3
	Completed	12
	Total	23
Virgin River MSHCP	In Progress	1
	Terminated	0
	Completed	0
	Total	1
Round Projects		24

APPENDIX E: LAND DISPOSAL THROUGH FY 2011¹

LAND DISPOSAL BY YEAR UNDER SNPLMA

Fiscal Year	Acres Disposed ¹	Gross Sales Revenue ²
1999	760.66	\$1,320,000.00
1999 CMA ³	5,067.98	\$0.00
2000	2,897.02	\$40,855,276.14
2001	2,788.72	\$101,484,489.00
2002	341.01	\$62,102,153.04
2003	11,181.35	\$444,322,909.91
2004	10,025.53	\$887,331,313.75
2005	2,427.85	\$613,060,597.15
2006	3,152.29	\$796,509,363.21
2007	40.00	\$26,178,150.00
2008	42.50	\$19,358,000.00
2009	666.45	\$2,376,300.00
2010	22.50	\$2,290,000.00
2011	937.47	\$1,105,478.22
Totals	40,351.33	\$2,998,294,030.42

¹ Land Disposal includes auctions (oral, internet, sealed bid, and modified competitive); and direct sales including patented, reserved, and R&PP lands and exchanges.

² Mineral sales and lease payments are not included in the revenue figures.

³ Revenue from the CMA disposal is recognized as Clark County disposes of the lands, generally by sale or lease.

APPENDIX F: PROJECTS COMPLETED IN FY 2011 BY CATEGORY

FY 2011 COMPLETED PROJECTS

Category	Project #	Rd	Project Title	Entity	Location	Congressional District	Accomplishments
Capital Improvements	BL15	3	Cottonwood Valley Trails Network Modification Project	BLM	Red Rock Canyon NCA	NV-3	Construction of parking lot, restroom, landscaping and signage
Capital Improvements	BL16	3	National Scenic Byways Kiosk/Interpretive Panels	BLM	Clark County	NV-3	22 signs installed in six BLM-managed Special Recreation Management Areas
Capital Improvements	BL17	3	Red Rock Horse/Burro Fencing, Phase II	BLM	Red Rock Canyon NCA	NV-3	41 linear miles of fencing and 12 cattle guards installed to increase safety and eliminate Wild Horse & Burro movement onto private land
Capital Improvements	BL21	4	Planning, Architecture and Engineering Design for Red Rock Canyon NCA	BLM	Red Rock Canyon NCA	NV-3	Final design and operations and maintenance manuals prepared for the new Visitor Center Systems
Capital Improvements	BL26	4	Bat Gates for Hazardous Mine Sites	BLM	Clark County	NV-2	Bat gates installed on seven hazardous mine sites
Capital Improvements	BL39	6	Permanent Closure of Abandoned Mine Land Sites, Clark County	BLM	Clark County	NV-3	123 abandoned mine sites permanently closed
Capital Improvements	BL47	8	Sustainable Design Improvements at Red Rock and Logandale Fire Stations	BLM	Red Rock Canyon NCA	NV-3	Flooring replaced or upgraded in barracks and engine bay at Logandale and Red Rock fire stations, and erosion protection and curbing installed at the Logandale fire station help pad
Capital Improvements	FS21	4	West Side Resource Enhancement Barriers	USFS	Spring Mountains NRA	NV-3	Natural barriers constructed limiting vehicle access to protect the riparian environment and a population of threatened Lahontan Cutthroat Trout
Capital Improvements	FS35	6	Message/Reader Boards	USFS	Spring Mountains NRA	NV-3	Seven portable message reader boards purchased
Capital Improvements	FW17	4	Campground Rehabilitation and Improvements at Pahrangat NWR	FWS	Pahrangat NWR	NV-2	Upgraded campsites with new fire rings, grills, and tables. New group site and restroom constructed and access road resurfaced
Capital Improvements	NP19	3	Plan, design and produce orientation and trailhead kiosks waysides, Phase II	NPS	Lake Mead NRA	NV-3	Trailhead kiosks and signs installed at five trailheads
Capital Improvements	NP28	3	Construct parking lot for Echo Bay launch ramp, Phase II	NPS	Lake Mead NRA	NV-3	Parking lot (with pull-through parking for vehicles with boats) constructed
Capital Improvements	NP30	3	Provide solar lighting at launch ramps/courtesy docks for marine search and rescue caches	NPS	Lake Mead NRA	NV-3	Solar lighting installed at three courtesy docks
Capital Improvements	NP40	3	Segment 22 – River Mountains Loop Trail	NPS	Lake Mead NRA	NV-3	3.6 linear miles of historic railroad trail paved, completing construction on the River Mountains Loop Trail
Capital Improvements	NP43	4	Reconstruct Failing Launch Ramps, Phase II	NPS	Lake Mead NRA	NV-3	Launch ramps extended at 5 marinas
Capital Improvements	NP46	4	Redevelop Visitor Facilities & Flash Flood Hazard	NPS	Lake Mead NRA	NV-3	Flood protection and early alarm system constructed
Capital Improvements	NP49	4	Emergency Improvements for Continued Low-Water Operation of Lake Mead Facilities, Phase II	NPS	Lake Mead NRA	NV-3	Infrastructure at five marinas extended due to low water conditions, Boulder Beech graded to enhance safety, and portable restrooms installed
Capital Improvements	NP85	6	Hacienda Office Consolidation Analysis	NPS	Lake Mead NRA	NV-3	Space Utilization Study completed

FY 2011 COMPLETED PROJECTS *continued*

Category	Project #	Rd	Project Title	Entity	Location	Congressional District	Accomplishments
Conservation Initiatives	BL45	6	Clark County Abandoned Mine Land Inventory	BLM	Clark County	NV-3	382 Abandoned Mine Land hazards investigated and prioritized - 2,351 non-hazard mining features logged
Conservation Initiatives	FS18	5	Westside Recreation Strategic Master Plan	USFS	Spring Mountains NRA	NV-3	One planning document
Conservation Initiatives	FS28	5	Research and Planning to Restore Fire in the Spring Mountains NRA	USFS	Spring Mountains NRA	NV-3	One planning document
Conservation Initiatives	NP22	8	Restore Natural Processes and Cave Floor in Lehman Cave	NPS	Great Basin NP	NV-2	4,700 square feet of cave restored to natural hydrologic function, 800 feet of abandoned trail and 1,500 feet of unused electrical lines removed - 57 tons of debris removed
Environmentally Sensitive Land Acquisitions	BL54	8	Green Gulch Ranch	BLM	Washoe County, Southern Petersen Mountains	NV-2	Acquired 650 acres
Environmentally Sensitive Land Acquisitions	FS57	8	Clear Creek Property	USFS	Humboldt-Toiyabe National Forest, Carson Range	NV-2	Acquired 137.07 acres
MSHCP	CC05	6	Buckwheat and Bearpoppy Inventory	CC DCP	Clark County	NV-3	360 acres inventoried
MSHCP	CC10	6	Boulder City Conservation Easement Management Plan	CC DCP	Clark County	NV-3	One planning document
MSHCP	CC20	6	Desert Tortoise Monitoring, Monitoring Effectiveness Research, Training, and Information Management	CC DCP	Clark County	NV-2	729 transects (10,000m in length) surveyed for desert tortoise
MSHCP	CC24	6	Effectiveness Monitoring for Saltcedar and Knapweed Control on the Muddy River Flood Plain	CC DCP	Muddy River	NV-2	One planning document
MSHCP	CC26	6	Delineation of Distribution, Evaluation of Relatedness, and Assessment of Connectivity for Leopard Frog Populations within the Management Zone of the Relict Leopard Frog	CC DCP	Lake Mead NRA	NV-3	Scientific research study completed
MSHCP	CC28	6	Population Status and Reproductive Ecology of the Western Burrowing Owl (Athene cucularia hypugaea) in Clark County, NV	CC DCP	Clark County	NV-3	124 transect surveys in 4 habitat types for Western Burrowing Owl
MSHCP	CC35	6	Interagency Weed Sentry Project	CC DCP	Clark County	NV-2 NV-3	Surveyed 6,149 acres for weed infestations, recorded 3,559 weed infestation points, treated 65,382 individual invasive plants
MSHCP	CC37	6	Inventory, Research and Monitoring for Covered Plant Species	CC DCP	Clark County	NV-3	Four T&E plant species (Sticky Ringstem, Las Vegas Bearpoppy, Threecorn Milkweeth and Sticky Buckwheat) inventoried
MSHCP	CC42	6	Peregrine Falcon Monitoring at Lake Mead NRA	CC DCP	Lake Mead NRA	NV-3	35 peregrine falcon territories identified, 116 adults detected
MSHCP	CC43	6	Movements and Barriers to Movement for Desert Tortoise	CC DCP	Clark County	NV-3	Collected over 750 DNA samples from desert tortoise
MSHCP	CC46	6	Evaluation of Experimental Habitat Manipulations for Relict Leopard Frog Populations	CC DCP	Clark County	NV-3	Reduced vegetation density over 415 linear meters of riparian habitat, used prescribed burn on 157 linear meters of habitat, created 4 fish free pond systems

FY 2011 COMPLETED PROJECTS *continued*

Category	Project #	Rd	Project Title	Entity	Location	Congressional District	Accomplishments
MSHCP	CC49	6	Monitoring of Road Conditions and Signs	CC DCP	Clark County	NV-3	117 signs installed, 463 backcountry road signs maintained, surveyed 91 backcountry roads, 52 miles of road and 9 acres of disturbance restored, 5 miles of barrier constructed to reduce illegal off-road travel
MSHCP	CC57	6	Inventory and Research of Evaluation and Watch Plant Species on Lake Mead NRA and Adjacent Lands	CC DCP	Clark County	NV-3	10 species inventoried
MSHCP	CC58	6	Monitoring of Illegal Ground Disturbance in Response to Management Actions	CC DCP	Lake Mead NRA	NV-3	18 approved roads monitored
MSHCP	CC59	6	Bald Eagle Monitoring	CC DCP	Lake Mead NRA	NV-3	224 bald eagles observed over two years of monitoring
PPP	PN01	6	Cheyenne Peaking Basin Park	CC DCP	North Las Vegas, Nevada	NV-1	One planning document
PPP	PV03	6	Vias Verdes	CC DCP	Las Vegas, Nevada	NV-1, NV-3	One planning document
PPP	PB06	6	Spring Mountain Range Multi-Jurisdictional Fuels Plan	BLM	Red Rock Canyon NCA and BLM land surround the Spring Mountains NRA	NV-3	One planning document
PPP	PF03	6	Spring Mountain Range Multi-Jurisdictional Fuels Plan	USFS	Spring Mountains NRA	NV-3	One planning document
PTNA	CC14	4	Wetlands Park Acquisition	Clark County	Clark County Wetlands Park Preserve	NV-3	Acquisition of 13.09 acres
PTNA	CC23	5	Sport Shooting Park	Clark County	Clark County Sport Shooting Complex	NV-1	Installed flood control features. Constructed 3 ranges, one hunter education facility and a maintenance building
PTNA	CC27	5	Wetlands Park Habitat Enhancement & Restoration	Clark County	Clark County Wetlands Park Preserve	NV-3	Projects include: revegetation, fencing, wildlife protection barriers, tamper-proof trash cans, and signage
PTNA	CC34	5	Wetlands Park Interpretive Facilities	Clark County	Clark County Wetlands Park Preserve	NV-3	Produced outreach materials including: brochures, student notebooks, photograph library, website content, kiosks/exhibits, and audio tour script, and installed playground features
PTNA	CC44	6	River Mountains Loop Trail Sections 3 & 4	Clark County	Boulder City, Nevada	NV-3	4.6 miles of asphalt trail, amenities, exhibits, and signage
PTNA	HN20	5	Amador Vista Park	City of Henderson	Henderson, Nevada	NV-3	Park facilities including: basketball court, playground, splash pad, turf, restrooms, drinking fountains, landscaping, dog park, fencing, trail, benches, parking, and picnic shelters
PTNA	HN24	5	Bird Viewing Preserve	City of Henderson	Henderson Wastewater Reclamation Facility	NV-3	Installed amenities including: outdoor classroom, benches, landscaping, trash receptacles, overlook, boardwalk, pier, and signage
PTNA	LC06	6	Caliente Pool Park Complex	Lincoln County	Caliente, Nevada	NV-2	Installed park facilities including: landscaping, benches, picnic shelters, pool slide, heating/filtration system, baseball field (with amenities), and trailhead
PTNA	LV05	3	Las Vegas Wash Trail Phase I	City of Las Vegas	Las Vegas Wash Trail	NV-3	2.2 linear miles of trail with lighting, fencing, trash receptacles, rest areas, and exercise nodes
PTNA	NL03	4	Las Vegas Wash - Multi-use Western Tributary	City of North Las Vegas	Las Vegas Wash Trail	NV-3	2.5 miles of trail, trailhead, restroom, parking, signage, trash receptacles, pedestrian bridges, lighting, landscaping, and shade structures

FY 2011 COMPLETED PROJECTS *continued*

Category	Project #	Rd	Project Title	Entity	Location	Congressional District	Accomplishments
PTNA	NL04	4	ROW Acquisition for Upper Las Vegas Wash	City of North Las Vegas	Upper Las Vegas Wash Trail	NV-3	2.71 acres acquired for Upper Las Vegas Wash Regional Trail
PTNA	WA03	6	Warm Springs Acquisition	Southern Nevada Water Authority	Moapa, Nevada	NV-3	1,218 acres acquired for Warm Springs Natural Area
Lake Tahoe	C003	6	Shorezone Sewer Line Replacement/Relocation	US Army Corps of Engineers	Lake Tahoe Basin	CA 4	One planning document
Lake Tahoe	E003	5	Emissions Measures - Lake Tahoe Basin	EPA	Lake Tahoe Basin	CA-4, NV-2	Developed computer software to examine the effectiveness of emissions controls for reducing PM10
Lake Tahoe	E004	5	Tahoe Integrated Information Management System (TIIMS)	EPA	Lake Tahoe Basin	CA-4, NV-2	SNPLMA-EPA Final Report: Tahoe Integrated Information Management System (TIIMS)-report completed
Lake Tahoe	E006	5	Lake Tahoe Total Maximum Daily Load (TMDL)	EPA	Lake Tahoe Basin	CA-4, NV-2	Integrated Water Quality Management Strategy - Southern Nevada Public Land Management Act Grant Final Report - report completed
Lake Tahoe	E009	6	Development of an Air Pollutant Emissions Inventory for the Lake Tahoe Basin Incorporating Future Land Use Scenarios	EPA	Lake Tahoe Basin	CA-4, NV-2	Emissions inventory and report completed
Lake Tahoe	F013	5	High Meadows BMP NEPA	USFS	Lake Tahoe Basin	CA-4	National Environmental Policy Act (NEPA) and National Forest Management Act (NFMA) documentation completed
Lake Tahoe	F015	5	Camp Richardson Resort BMP Retrofits NEPA	USFS	Lake Tahoe Basin	CA-4	Conceptual design for water quality BMP retrofit, topographic survey, and Master Plan completed, initiated NEPA documentation
Lake Tahoe	F034	5	Erosion Control Grants	USFS	Lake Tahoe Basin	CA-4, NV-2	Four grants to local jurisdictions for erosion control planning and construction activities
Lake Tahoe	F040	6	Prescribed Fire Treatment	USFS	Lake Tahoe Basin	CA-4, NV-2	Removed 832 acres of hazardous fuels
Lake Tahoe	F042	6	Freshed Assessment and Fuels Reduction Environmental Analysis	USFS	Lake Tahoe Basin	CA-4, NV-2	Freshed Assessment completed, environmental analysis for 3 project areas completed, and removed 941 acres of hazardous fuels
Lake Tahoe	F050	6	Aspen Community Restoration	USFS	Lake Tahoe Basin	CA-4, NV-2	Completion of NEPA and NFMA documentation, produced monitoring and restoration plan, monitored botany, wildlife, and heritage resources in preparation for project implementation and restored 20 acres of aspen ecosystem
Lake Tahoe	F077	7	Urban Forest Restoration and Fuels Reduction	USFS	Lake Tahoe Basin	CA-4, NV-2	Hazardous fuels reduction on 209 urban parcels totaling 303 acres, maintenance treatments on 435 parcels totaling 304 acres, and monitoring on 1,300 parcels
Lake Tahoe	F093	7	Basin Revegetation and Restoration	USFS	Lake Tahoe Basin	CA-4, NV-2	Completed revegetation and restoration at 3 locations, decommissioned one trail and installed erosion barrier, installed OHV barriers and restored one road
Lake Tahoe	P013	7	Receptor Modeling Study of Ambient Particulate Matter in the Lake Tahoe Basin	PSW	Lake Tahoe Basin	CA-4, NV-2	Lake Tahoe Source Attribution Study (LTSAS): Receptor Modeling Study to Determine the Sources of Observed Ambient Particulate Matter in the Lake Tahoe Basin-report completed

FY 2011 COMPLETED PROJECTS *continued*

Category	Project #	Rd	Project Title	Entity	Location	Congressional District	Accomplishments
Lake Tahoe	P021	8	A Comprehensive Integration of Past Stream Restoration Efforts and Future Tools to Evaluate and Track the Benefits by Stream and Meadows in the Lake Tahoe Basin	PSW	Lake Tahoe Basin	CA-4, NV-2	Riparian Ecosystem Restoration Effectiveness Framework report completed
Lake Tahoe	U003	5	Tahoe Decision Support System	USGS	Lake Tahoe Basin	CA-4, NV-2	Continued development of software for the Tahoe Decision Support System and performed analysis of indicators under two alternative scenarios
Lake Tahoe	W001	6	Restoration/Recovery of Lahontan Cutthroat Trout in Fallen Leaf Lake	FWS	Lake Tahoe Basin	CA-4, NV-2	Reintroduced Lahontan Cutthroat Trout, performed monitoring on historic habitat and analyzed the effect of the presence of non-native fish populations
Lake Tahoe	W004	8	Aquatic Invasive Species Management	FWS	Lake Tahoe Basin	CA-4, NV-2	Initiated a multi-year Integrated Tahoe Keys Aquatic Invasive Species Eradication project inspecting over 12,500 boats, decontaminated 177 boats, and implemented education outreach program
ENLRP	F003	8	Conifer Removal in Aspen Stands on Ward Mountain	USFS	White Pine County	NV-2	130 acres of conifer trees removed within aspen stands
Hazardous Fuels	F003	8	Clear Creek Hazardous Fuels Reduction	USFS	Carson City and Douglas County	NV-2	Completed the Clear Creek Hazardous Fuels Reduction Plan and issued an EA and FONSI

Total Projects: 75

*Clark County Desert Conservation Program (CC DCP)

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