



desert conservation
PROGRAM



2015-2017
BIENNIUM PROGRESS REPORT



Streamlining development, protecting species, and preserving our future.

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INTRODUCTION

INTRODUCTION

As required in Section 2.12.2.7 of the Clark County Multiple Species Habitat Conservation Plan, this document represents a composite final biennium progress report for the period July 1, 2015 through June 30, 2017. The biennial progress report is compiled every two years to document projects, activities, accomplishments, and revenues and expenditures implemented or incurred during each two-year time frame pursuant to implementation of the Multiple Species Habitat Conservation Plan (MSHCP). The report provides a summary of progress by program staff, agencies, and contractors implementing approved conservation projects; reports land disturbance activities and revenues generated as a result of those activities; and provides an accounting of funds spent.

DESERT CONSERVATION PROGRAM HISTORY

The Clark County Desert Conservation Program was initiated in 1989 following the listing of the desert tortoise as threatened under the Endangered Species Act. The listing occurred as a result of illegal collection, vandalism, disease, urban growth, road construction and irresponsible off-road vehicle use throughout desert tortoise habitat. The Endangered Species Act prohibits the "take" of any threatened or endangered species listed pursuant to the Endangered Species Act. Take is broadly defined by the Endangered Species Act as equivalent to "harass, harm, pursue, hunt, shoot, wound, kill, capture, or collect."

The Desert Conservation Program is responsible for ensuring compliance with the MSHCP and associated Section 10(a)(1)(B) incidental take permit (Permit) issued to Clark County and the Permittees (the cities of Boulder City, Henderson, Las Vegas, Mesquite and North Las Vegas; and the Nevada Department of Transportation) in 2001. The Permit exempts the Permittees from the prohibited take provisions of the Endangered Species Act (Section 9). More specifically, the Permit allows private property owners to develop land in Clark County without individual project consultations with the U.S. Fish and Wildlife Service (USFWS).

The MSHCP and Permit allow for the disturbance (development) of up to 145,000 acres of non-federal (private) lands in Clark County and provide coverage for the incidental take of covered species listed in the Permit. As a condition of the Permit and as defined in the MSHCP, the Permittees have agreed to mitigate future potential impacts on, and assist in the recovery of, a broad range of other species residing in all of the habitats located within Clark County in order to reduce the likelihood that additional covered species will need to be listed as threatened or endangered in the foreseeable future.

There are 78 species covered by the MSHCP, including the federally threatened desert tortoise (*Gopherus agassizii*) and yellow-billed cuckoo (*Coccyzus americanus*) and the federally endangered southwestern willow flycatcher (*Empidonax traillii extimus*) and Mount Charleston blue butterfly (*Icaricia Shasta charlestonensis*). Clark County serves as Plan Administrator on behalf of the Permittees. The Permit is valid for 30 years from the date of approval by the USFWS.

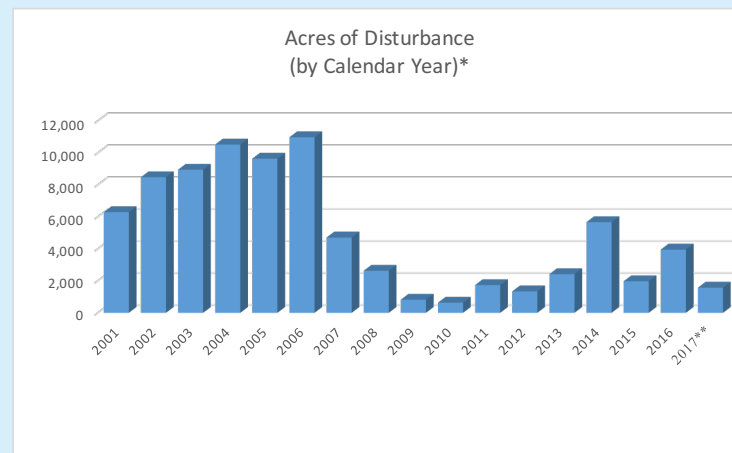
LAND DISTURBANCE AND REVENUES GENERATED

Clark County is required to collect and expend mitigation funds to implement conservation actions in accordance with terms outlined in the MSHCP and associated Permit. The MSHCP provides funding for conservation projects to various federal, state, and local agencies, nonprofit organizations and private contractors from mitigation fees collected pursuant to Section 10 of the Endangered Species Act and proceeds from the disposal of federal land in Clark County authorized by the Southern Nevada Public Land Management Act.

The Permittees maintain monthly Disturbance and Fee Reports per Section 2.12.2.2 of the MSHCP, documenting land disturbance through the permitting processes within each entity's jurisdiction. Those reports are submitted to Clark County for tracking.

In summary, 5,310.00 acres were disturbed under Section 10 generating \$2,920,500.00 during the period from July 1, 2015 through June 30, 2017. Additionally, during this period \$1,142,076.55 was generated in interest from Section 10 fees.

Calendar Year	Reported Disturbance (Acres)*
2001	6,292.46
2002	8,475.58
2003	8,945.68
2004	10,520.61
2005	9,637.79
2006	10,974.28
2007	4,707.70
2008	2,627.86
2009	819.22
2010	632.48
2011	1,733.80
2012	1,337.85
2013	2,417.27
2014	5,669.06
2015	1969.72
2016	3950.71
2017**	1570.78
Average	4,840.17



*Total acres reported in this chart do not include acres of municipal development, which were exempt from the payment of mitigation fees through January 2010. Total number of acres of municipal development that were exempt from mitigation fee payment is 15,000 acres.

**Partial year data.

PROJECTS AND EXPENDITURES

During the 2015-2017 biennium Clark County managed 54 internal program budgets (i.e., "master projects") with multiple contract projects and administered a total of 174 agreements or contracts to 88 different agencies and contractors. See the Project Reports section of this document to review project activities during this biennium. The project reports include a brief summary of each project, including the name of the agency or contractor, project description, project status, partners, contact, funding awarded and contract term, where applicable. Note that many projects span more than one biennium. Projects from previous biennia that overlapped the 2015-2017 biennium are included, if work was conducted or funds expended within the 2015-2017 biennium timeframe.

Project Reporting Process

Agencies and contractors receiving funding for the 2015-2017 biennium were required to submit quarterly reports and one final project report to the Desert Conservation Program's Program Administrator. These reports are collected and posted on the Clark County Desert Conservation Program website (<http://www.clarkcountynv.gov/AirQuality/DCP/Pages/CurrentProjects.aspx>).

USES FOR THIS REPORT

This report will be used to comply with the requirements of the MSHCP as outlined in Section 2.12.1 "Progress Report Implementation Plan and Budget", and to reaffirm Clark County's commitment as a steward of the plan and the Desert Conservation Program. In addition, the report will be used to clearly benchmark accomplishments, recommendations, and fiscal activities of the program. Finally, it will aid in planning future program activities as the Desert Conservation Program matures and will provide a benchmark from which to measure future progress. The final draft of this biennium report will be presented to the Clark County Board of Commissioners and formally submitted to the USFWS.

To obtain further information about the Clark County Desert Conservation Program, please write to Clark County Department of Air Quality, Desert Conservation Program, 4701 W. Russell Road, Suite 200, Las Vegas NV 89118, call (702) 455-3536 or visit the website at: <http://www.clarkcountynv.gov/AirQuality/DCP/Pages/default.aspx>.

ORGANIZATION OF THIS REPORT AND KEY CHANGES FROM PREVIOUS REPORTS

Several key changes have been made to the format of this report to help improve readability of the document and to provide more focus on accomplishments of contract projects. Provided below is a brief summary of each section of the report with discussion of key changes.

Section 1 - Introduction. Provides regulatory context and background information to inform the reader of the purpose and uses of this report.

Section 2 - Master List of Projects. Provides a comprehensive list of all projects that have had some financial activity during the reporting period (July 1, 2015 through June 30, 2017). In this list, highlighted projects represent internal budgets, or "master projects". Master projects are those projects that were identified in Implementation Plan and Budget reports. Master project budgets are not confined to a single biennium and can roll over to the next biennium if all funds have not been expended. The biennium in which each master project was funded is indicated in the column "Funding Source". Each master project may consist of several contract projects that help achieve the goals and objectives of the master project.

It should be noted that the funding for some contract projects comes from more than one master project budget. In these cases, additional sources of funding for a contract project are indicated in the column "Split Funding". Thus, a single contract project may be represented across multiple lines in the master list to indicate that funding was split across multiple master project budgets.

The column "Report Reference" is a new addition to the Master List of Projects. This column provides a quick reference indicating where the discussion of contract accomplishments is located within the context of the major programmatic areas of focus for the Desert Conservation Program (a complete list of programmatic areas and projects is provided in the following section).

Section 3 - Project Reports. Project reports have been organized by major programmatic area. A complete list of the seven programmatic areas and the projects contained within them is provided for reference below:

1. Program Administration and Permit Compliance (Prog Admin)
 - Prog Admin Project 1: MSHCP Administration
 - Prog Admin Project 2: Permit Amendment
2. Boulder City conservation Easement (BCCE)
 - BCCE Project 1: BCCE Management
 - BCCE Project 2: BCCE Law Enforcement
 - BCCE Project 3: Energy Zone Fencing
 - BCCE Project 4: BCCE Outreach
3. Riparian Reserves (Riparian)
 - Riparian Project 1: Management of the Riparian reserve Units
 - Riparian project 2: Virgin River Integrated Watershed Plan
 - Riparian Project 3: Muddy River Restoration, Parcels A-E
 - Riparian Project 4: Muddy River Restoration, Parcels G-I
 - Riparian Project 5: Virgin River Restoration, Subunit 1
 - Riparian Project 6: Property Acquisition
 - Riparian Project 7: Management of Water Rights
4. Public Information, Education, and Outreach (PIE)
 - PIE Project 1: Mojave Max Education Program
 - PIE Project 2: Branding
 - PIE Project 3: 15 Year Anniversary Commemoration
 - PIE Project 4: Desert Tortoise Habitat
 - PIE Project 5: Off-highway Vehicle (OHV) Education

* With the exception of the MSHCP Administration master project (Project number 1500). The funds for the administration project are fixed to each biennium and do not roll over. Administrative funds that were budgeted for in this biennium became unavailable for use at the close of the biennium and all unspent funds are reabsorbed into the Program's fund balance and made available for the implementation of conservation actions in future biennia. Unspent administrative funds for the biennium totaled \$1,251,259.28

5. Wild Desert Tortoise Assistance (Wild DT)
 - Wild DT Project 1: Wild Desert Tortoise Assistance Hotline
 - Wild DT Project 2: Translocation
 - Wild DT Project 3: Tortoise Sterilization
6. Conservation Projects (Cons)
 - Cons Project 1: General Fencing
 - Cons Project 2: Boundary Fence for the Tule Springs Fossil Beds National Monument
 - Cons Project 3: Changed Circumstances: South Loop Trail Restoration for the Endangered Mount Charleston Blue Butterfly
 - Cons Project 4: Relict Leopard Frog Conservation
7. Adaptive Management Program (AMP)
 - AMP Project 1: Independent Science Advisor
 - AMP Project 2: Species Monitoring – Desert Tortoise
 - AMP Project 3: Species Monitoring – Birds
 - AMP Project 4: Desert Tortoise Occupancy Sampling
 - AMP Project 5: Desert Tortoise Predation Study

Section 4 – Project Index Tables. This section of the report presents information previously provided in the Master List of Projects (Section 2) in two different formats; first sorted by funding source, then sorted by lead agency/contractor. These tables are meant to serve as quick reference guides to all projects.

Section 5 – Financial Report. This section of the report presents graphs and data on the various sources and amount of revenue collected during the 2015-2017 biennium. Data and graphs are also provided to indicate the breakdown of funding by programmatic area.

Section 6 – Land Disturbance Reports. Here data is presented on the number of disturbed acres reported by the Permittees during the 2015-2017 biennium. A cumulative look at all disturbance reported since permit issuance in 2001 is also provided.

Section 7 – Tortoise Disposition Summary. This section provides a brief discussion of tortoises collected through the Wild Desert Tortoise Assistance Hotline during the biennium and details the ultimate disposition of those tortoises.

MASTER LIST OF PROJECTS



CLARK COUNTY DESERT CONSERVATION PROGRAM 2015-2017 BIENNIUM PROGRESS REPORTS

Sorted by project number

Highlighted projects represent internal budgets, or "master projects"

Project #	Project Number	Funding Source	Split Funding	Lead Agency/Contractor	Project Title	Start	End	Amount Budgeted (Master Projects)	Unspent Funds (Master Projects)	Award Amount (Contracts)	Status as of 06/30/2017	Report Reference
714	2007-CC-714	Section 10, 2007-2009 IPB		Desert Conservation Program	Boulder City Conservation Easement Management Plan	7/1/07	10/31/16	\$300,000.00	\$0.00		Completed	
714K	2007-NPS-714K	Section 10, 2007-2009 IPB		National Park Service	BCCE Weed Survey	1/2/14	10/31/16			\$90,875.00	Completed	BCCE Project 1
719	2007-CC-719	Section 10, 2007-2009 IPB		Desert Conservation Program	Desert Tortoise Pickup Service, Transfer & Holding	7/1/07	12/31/18	\$800,000.00	\$8,001.71		In Progress	
719Q	2007-LVWWD-719Q	Section 10, 2007-2009 IPB		Las Vegas Valley Water District	Desert Tortoise Habitat	4/8/14	1/20/16			\$76,940.00	Completed	PIE Project 4
719S	2007-KLA-719S	Section 10, 2007-2009 IPB		Knight & Leavitt Associates	Holline, Pick-Up Service and Outreach Sessions for Wild Desert Tortoises	7/1/14	10/31/15			\$34,580.00	Completed	Wild DT Project 1
719K	2007-SBL-719K	Section 10, 2007-2009 IPB		Great Basin Institute	Desert Tortoise Telemetry on the BCCE	11/1/14	12/31/18			\$25,779.02	Completed	Wild DT Project 2
722	2007-CC-722	Section 10, 2007-2009 IPB		Desert Conservation Program	Management of Acquired Land & Water Rights	7/1/07	9/30/16	\$150,000.00	\$0.00		Completed	
722K	2007-BERGER-722K	Section 10, 2007-2009 IPB	805AD, 1445C	Louis Berger Engineering	Muddy River Grading Plan	11/15/16	8/29/17			\$72,605.07	Completed	Riparian Project 3
801	2009-CC-801	Section 10, 2009-2011 IPB		Desert Conservation Program	Adaptive Management Program	7/1/09	9/30/16	\$974,950.00	\$0.00		Completed	
801D	2009-ECO-801D	Section 10, 2009-2011 IPB		Enduring Conservation Outcomes	Science Advisor	2/5/13	1/31/16			\$429,997.00	Completed	AMP Project 1
801H	2009-HERON-801H	Section 10, 2009-2011 IPB		Heron Ecological	Statistical Consultant	9/23/14	9/30/15			\$21,246.67	Completed	AMP Project 4
801J	2009-TSG-801J	Section 10, 2009-2011 IPB		Terraspectra Geomatics	Occupancy Covariate Creation	10/17/16	3/6/17			\$2,396.38	Completed	AMP Project 4
802	2009-CC-802	Section 10, 2009-2011 IPB		Desert Conservation Program	BCCE Management, Maintenance & Law Enforcement	7/1/09	9/30/16	\$340,000.00	\$0.00		Completed	
802M	2009-ROBERTSON-802M	Section 10, 2009-2011 IPB	901D, 1421A, 1515C	Robertson + Partners	DCP Branding Project	12/28/15	6/30/17			\$30,829.41	Completed	PIE Project 2
803	2009-CC-803	Section 10, 2009-2011 IPB		Desert Conservation Program	Desert Tortoise Hedline and Pick-Up Service	7/1/09	9/30/16	\$595,000.00	\$1,432.87		In Progress	
803D	2009-BOARMAN-803D	Section 10, 2009-2011 IPB		Conservation Science Research	BCCE DT Predation Study - Phase 2	8/4/15	4/30/17			\$189,574.00	Completed	AMP Project 5
803E	2009-KLA-803E	Section 10, 2009-2011 IPB		Knight & Leavitt Associates	Holline and Processing of Wild DTs	11/19/15	10/31/18			\$213,740.00	In Progress	Wild DT Project 1
804	2009-CC-804	Section 10, 2009-2011 IPB		Desert Conservation Program	Desert Tortoise Fencing	7/1/09	9/30/16	\$425,000.00	\$42,095.21		In Progress	
804A	2009-NDF-804A	Section 10, 2009-2011 IPB		Nevada Division of Forestry	Fencing Installation & Maintenance	4/19/11	3/31/16			\$350,000.00	In Progress	Cons Proj 1
804C	2009-AMER-804C	Section 10, 2009-2011 IPB		American Fence Company	Fencing Materials	8/31/15	6/30/16			\$5,000.00	Completed	Cons Proj 1
804D	2009-JLA-804D	Section 10, 2009-2011 IPB		John Jones Landscape Architect	SW Gas Line Civil Plans	10/23/15	6/30/16			\$13,570.00	Completed	BCCE Project 3
804E	2009-TIBERTI-804E	Section 10, 2009-2011 IPB		Tiberti Fence Company	MR Reserve Fence & Gate Installation	1/19/16	4/30/16			\$7,330.00	Completed	Riparian Project 1
804F	2009-MULLER-804F	Section 10, 2009-2011 IPB	1442A, 1525A	Muller Construction	Energy Zone Fencing	3/7/17	8/31/17			\$205,000.00	Completed	BCCE Project 3
804G	2009-JLA-804G	Section 10, 2009-2011 IPB		John Jones Landscape Architect	SW Gas Civil Plans Revisions	7/14/16	6/30/17			\$1,700.00	Completed	BCCE Project 3

CLARK COUNTY DESERT CONSERVATION PROGRAM 2015-2017 BIENNIUM PROGRESS REPORTS CONT.

Sorted by project number

Highlighted projects represent internal budgets, or "master projects"

Project #	Project Number	Funding Source	Split Funding	Lead Agency/Contractor	Project Title	Start	End	Amount Budgeted (Master Projects)	Unspent Funds (Master Projects)	Award Amount (Contracts)	Status as of 06/30/2017	Report Reference
804H	2009-AMER-804H	Section 10, 2009-2011 IPB		American Fence Company	Fencing Materials	7/21/16	6/30/17			\$5,000.00	Completed	Cons Proj 1
805	2009-CC-805	Section 10, 2009-2011 IPB		Desert Conservation Program	Management of Acquired Properties & Water Rights	7/1/09	10/31/16	\$255,000.00	\$971.29		In Progress	
805Q	2009-BUSCH-805Q	Section 10, 2009-2011 IPB		Michael Buschman Consulting	Water Rights Consulting	6/12/13	10/30/16			\$35,500.00	Completed	Riparian Project 7
805AC	2009-NDF-805AC	Section 10, 2009-2011 IPB		Nevada Division of Forestry	MR Fire Control - Weed Removal	11/4/15	1/8/16			\$7,650.88	Completed	Riparian Project 1
805AD	2009-BERGER-805AD	Section 10, 2009-2011 IPB	722K, 1445C	Louis Berger Engineering	Muddy River Grading Plan	7/1/16	6/30/20			\$19,578.03	Completed	Riparian Project 3
805AE	2009-FARRWEST-805AE	Section 10, 2009-2011 IPB	1445E	Farr West Engineering	Water Rights Consulting	12/1/16	8/31/19			\$10,196.70	In Progress	Riparian Project 7
807	2009-CC-807	Section 10, 2009-2011 IPB		Desert Conservation Program	OHV Education	7/1/09	9/30/16	\$350,000.00	\$51,630.00		In Progress	
807B	2009-FC-807B	Section 10, 2009-2011 IPB		Partners in Conservation	OHV Education	2/1/15	10/15/15			\$2,600.00	Completed	PIE Project 5
807C	2009-RADIO-807C	Section 10, 2009-2011 IPB		Radioactive Productions	OHV Education	2/27/15	11/30/15			\$24,600.00	Completed	PIE Project 5
807D	2009-RADIO-807D	Section 10, 2009-2011 IPB		Radioactive Productions	OHV Registration Program Marketing	9/14/16	6/30/18			\$150,000.00	Completed	PIE Project 5
807E	2009-POKORNY-807E	Section 10, 2009-2011 IPB		Map Photo Write	OHV Education - Story Map	10/10/16	6/30/17			\$21,170.00	Completed	PIE Project 5
808	2009-CC-808	Section 10, 2009-2011 IPB		Desert Conservation Program	Assessment of Post-Fire Rehabilitation of Desert Tortoise Habitat in Clark County	7/1/09	9/30/16	\$400,000.00	\$1,970.00		In Progress	
809	2009-CC-809	Section 10, 2009-2011 IPB		Desert Conservation Program	Restoration of Desert Tortoise & Gypsum Habitat	7/1/09	9/30/16	\$300,000.00	\$212,384.13		In Progress	
809L	2009-FORESTRY-809L	Section 10, 2009-2011 IPB		Forestry Suppliers	Supplies Acquisition	1/25/17	6/30/17			\$415.28	Completed	BCCE Project 1
810	2009-CC-810	Section 10, 2009-2011 IPB		Desert Conservation Program	Relict Leopard Frog Conservation	7/1/09	9/30/16	\$270,000.00	\$0.00		Completed	
810A	2009-NPS-810A	Section 10, 2009-2011 IPB		National Park Service	Relict Leopard Frog Conservation	1/18/11	9/30/15			\$270,000.00	Completed	Cons Proj 4
811	2009-CC-811	Section 10, 2009-2011 IPB		Desert Conservation Program	Desert Tortoise Monitoring	7/1/09	9/30/16	\$386,260.00	\$0.00		Completed	
811H	2009-KLA-811H	Section 10, 2009-2011 IPB		Knight & Leavitt Associates	Vegetation Data for Desert Tortoise Covariate Monitoring	1/27/15	8/31/15			\$66,893.70	Completed	AMP Project 4
811J	2009-KLA-811J	Section 10, 2009-2011 IPB		Knight & Leavitt Associates	Vegetation Data for DT Occ. Cov. Mon. Project II	1/26/16	9/30/16			\$48,396.25	Completed	AMP Project 4
811K	2009-UTX-811K	Section 10, 2009-2011 IPB		The University of Texas at Austin	LIDAR/Aerial Imagery Data Analysis	3/22/16	10/31/16			\$49,079.00	Completed	AMP Project 4
813	2009-CC-813	Section 10, 2009-2011 IPB		Desert Conservation Program	BCCE Expansion	7/1/09	9/30/16	\$70,000.00	\$11,700.00		In Progress	
901	2011-CC PA Amend-901	Section 10, 2011-2013 IPB		Desert Conservation Program	Permit Amendment Transition	7/1/11	9/30/16	\$794,600.00	\$0.00		In Progress	
901B	2011-SWECO-901B	Section 10, 2011-2013 IPB		Southwest Ecology, LLC	Covered Species Analysis Support	1/14/16	2/1/18			\$460,256.47	In Progress	Prog Admin Project 2
901C	2011-TSG-901C	Section 10, 2011-2013 IPB		Terraspectra Geomatic	GIS Data Management and Needs	7/31/15	3/31/16			\$13,232.00	Completed	Prog Admin Project 2

CLARK COUNTY DESERT CONSERVATION PROGRAM 2015-2017 BIENNIUM PROGRESS REPORTS CONT.

Sorted by project number

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Project #	Project Number	Funding Source	Split Funding	Lead Agency/ Contractor	Project Title	Start	End	Amount Budgeted (Master Projects)	Unspent Funds (Master Projects)	Award Amount (Contracts)	Status as of 06/30/2017	Report Reference
901D	2011-ROBERTSON-901D	Section 10, 2011-2013 IPB	802M, 1421A, 1515C	Robertson + Partners	DCP Branding Project	2/10/16	6/30/17			\$47,287.00	Completed	PIE Project 2
901E	2011-JUA-901E	Section 10, 2011-2013 IPB		John Jones Landscape Architect	DT Culvert Engineering Specifications	8/3/15	7/31/16			\$1,850.00	Completed	BCCE Project 3
901F	2011-TERRA-901F	Section 10, 2011-2013 IPB	1410B, 1411A	Terragraphics	Science Advisor	1/26/16	1/20/18			\$150,000.00	Completed	AMP Project 1
901G	2011-EMS-901G	Section 10, 2011-2013 IPB	1014J	Ebbin, Moser & Skaggs	Legal Services for DCP	8/3/16	6/30/18			\$6,435.87	Completed	Prog Admin Project 2
901H	2011-WRA-201H	Section 10, 2011-2013 IPB		WRA Environmental Consultants	HCP Consultant for the MSHCP Amendment	2/1/17	1/31/22			\$92,226.66	In Progress	Prog Admin Project 2
910	2011-CCBCCE-910	Section 10, 2011-2013 IPB		Desert Conservation Program	BCCE Management, Maintenance & Law Enforcement	7/1/11	6/30/17	\$411,000.00	\$35,812.56		In Progress	
910B	2011-NDF-910B	Section 10, 2011-2013 IPB		Nevada Division of Forestry	BCCE Site Rehabilitation & Cleanup	8/27/13	6/30/17			\$22,000.00	Completed	BCCE Project 1
910I	2011-MAILE-910I	Section 10, 2011-2013 IPB		Maile Concrete	Gabion Style Kiosk Build & Install	8/17/15	9/1/15			\$7,588.50	Completed	BCCE Project 4
910J	2011-KVO-910J	Section 10, 2011-2013 IPB		KVO Industries	Gabion Kiosk Signage	8/21/15	6/30/16			\$2,660.00	Completed	BCCE Project 4
910K	2011-MAILE-910K	Section 10, 2011-2013 IPB		Maile Concrete	Gabion Kiosk Connectors & Supports	9/24/15	6/30/16			\$725.00	Completed	BCCE Project 4
910L	2011-POWER-910L	Section 10, 2011-2013 IPB		Power Engineers, Inc.	BCCE Trans Line Alt Route Feasibility	10/16/15	12/15/15			\$18,230.00	Completed	BCCE Project 1
910M	2011-RADIO-910M	Section 10, 2011-2013 IPB		Radioactive Productions	BCCE Informative Video	3/24/16	9/30/16			\$10,750.00	Completed	BCCE Project 4
910N	2011-MAILE-910N	Section 10, 2011-2013 IPB		Maile Concrete	Cattleguard Clean, Erosion Prev & C.B	3/15/16	6/30/16			\$1,450.00	Completed	BCCE Project 1
910O	2011-VISTA-910O	Section 10, 2011-2013 IPB		Vista Landscape Centers	Erosion Restoration Rock	4/4/16	6/30/16			\$638.00	Completed	BCCE Project 1
910P	2011-PICTO-910P	Section 10, 2011-2013 IPB		Pictographic	Updated Limited Use Signs	5/2/16	6/30/16			\$1,165.00	Completed	BCCE Project 1
910Q	2011-COPPER-910Q	Section 10, 2011-2013 IPB		Copper State Bolt & Nut	Acquisition of Nuts & Bolts	5/3/16	6/30/16			\$22.67	Completed	BCCE Project 4
910R	2011-NPS-910R	Section 10, 2011-2013 IPB		National Park Service	BCCE Weed Survey	11/1/16	10/15/17			\$35,000.00	In Progress	BCCE Project 1
910S	2011-MULLER-910S	Section 10, 2011-2013 IPB		Muller Construction	BCCE Restore & Repair	10/5/16	10/31/17			\$14,285.34	In Progress	BCCE Project 1
915	2011-CC-PROPMGMT-915	Section 10, 2011-2013 IPB		Desert Conservation Program	Property & Water Rights Management	7/1/11	9/30/16	\$140,600.00	\$0.00		Completed	
915A	2011-NPS-915A	Section 10, 2011-2013 IPB		National Park Service	Muddy River Weed Management	2/19/13	10/30/15			\$108,000.00	Completed	Riparian Project 1
915L	2011-PIC-915L	Section 10, 2011-2013 IPB		Partners in Conservation	Muddy River Weed Removal	1/22/16	4/15/16			\$891.14	Completed	Riparian Project 1
916	2011-CC-INFO&ED-916	Section 10, 2011-2013 IPB		Desert Conservation Program	Information & Education	7/1/11	9/30/17	\$139,000.00	\$144.97		In Progress	
916Q	2011-STEVENKIDS-916Q	Section 10, 2011-2013 IPB		Steve-N-Kids	Mojave Max Mascot Appearances	9/5/13	9/30/17			\$24,000.00	In Progress	PIE Project 1
916ZC	2011-ZEE-916ZC	Section 10, 2011-2013 IPB		Zee Designs	Mojave Max Assembly Application	11/17/16	6/30/17			\$144.97	Completed	PIE Project 1

CLARK COUNTY DESERT CONSERVATION PROGRAM 2015-2017 BIENNIUM PROGRESS REPORTS CONT.

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917	2011-CC-RPAQ-917	Section 10, 2011-2013 IPB		Desert Conservation Program	Riparian Property Acquisition	7/1/11	9/30/17	\$3,200,000.00	\$3,108,124.86		In Progress	
917AA-MC	2011-VARIOUS-917AA-MC	Section 10, 2011-2013 IPB		Stanley Consultants, Inc.	Boundary Surveys	5/11/15	8/30/15			\$61,840.00	Completed	Riparian Project 6
917AA-MC	2011-VARIOUS-917AA-MC	Section 10, 2011-2013 IPB		Anderson Valuation Group	Appraisal Reports	12/5/16	6/30/17			\$24,500.00	Completed	Riparian Project 6
920	2011-CC-920	SNPLMA Round 12		Desert Conservation Program	BCCE Visitor & Use Management	9/4/12	9/3/15	\$42,000.00	\$0.00		Completed	
920D	2011-MAILE-920D	SNPLMA Round 12		Maile Concrete	Gabion Style Kiosk Build & Install	8/17/15	9/1/15			\$211.50	Completed	BCCE Project 4
921	2011-CC-921	SNPLMA Round 12		Desert Conservation Program	Desert Use Media Campaign	9/4/12	9/3/15	\$50,000.00	\$0.00		Completed	
1012A	2007-CC-1012A	SNPLMA Round 8		Desert Conservation Program	Desert Tortoise Monitoring	9/5/08	9/7/18	\$1,134,842.00	\$189,276.75		In Progress	
1012D	2007-ALA-1012D	SNPLMA Round 8		Knight & Leavitt Associates	Desert Tortoise Occupancy Sampling Crews II	1/27/15	8/30/18			\$440,000.00	In Progress	AMP Project 4
1014	2007-CC-1014	Section 10, 2007-2009 IPB		Desert Conservation Program	Permit Amendment Administration	7/1/07	9/30/16	\$1,010,299.07	\$0.00		In Progress	
1014B	2007-EMS-1014B	Section 10, 2007-2009 IPB		Ebbin, Moser & Skaggs	Permit Amendment Legal Counsel	7/15/08	6/30/16			\$913,000.00	Completed	Prog Admin Project 2
1014I	2007-EMS-1014I	Section 10, 2007-2009 IPB	901G	Ebbin, Moser & Skaggs	Legal Services for DCP	7/1/16	4/30/18			\$193,564.13	In Progress	Prog Admin Project 2
1405	2013-CC-FEECONS-1405	Section 10, 2013-2015 IPB		Desert Conservation Program	MSHCP Fee Consolidation	7/1/13	9/30/17	\$300,000.00	\$300,000.00		In Progress	
1410	2013-CC-AMP-1410	Section 10, 2013-2015 IPB		Desert Conservation Program	Adaptive Management Program	7/1/13	9/30/17	\$374,800.00	\$0.00		In Progress	
1410B	2013-TERRA-1410B	Section 10, 2013-2015 IPB	901F, 1411A	Terragraphics	Science Advisor Panel for the DCP	1/26/16	1/31/20			\$374,642.00	In Progress	AMP Project 1
1411	2013-CC-AMPMOD-1411	Section 10, 2013-2015 IPB		Desert Conservation Program	Adaptive Management Program - Desert Tortoise Modeling	7/1/13	9/30/17	\$20,000.00	\$0.00		Completed	
1411A	2013-TERRA-1411A	Section 10, 2013-2015 IPB	901F, 1410B	Terragraphics	Science Advisor	1/26/16	1/31/20			\$20,000.00	Completed	AMP Project 1
1412	2013-CC-AMPMON-1412	Section 10, 2013-2015 IPB		Desert Conservation Program	Adaptive Management Program - Desert Tortoise Monitoring	7/1/13	9/30/17	\$63,350.00	\$56,435.34		In Progress	
1412A	2013-GBI-1412A	Section 10, 2013-2015 IPB	1451A	Great Basin Institute	Eldorado DT Monitoring Year 2	8/1/15	11/30/16			\$1,205.00	Completed	Wild DT Project 2
1412B	2013-QUANTUM-1412B	Section 10, 2013-2015 IPB		Quantum Spatial, Inc.	Aerial Photography	8/1/15	6/30/16			\$4,486.04	Completed	AMP Project 4
1412C	2013-TSG-1412C	Section 10, 2013-2015 IPB		Terraspectra Geomatic	Occupancy Covariate	10/17/16	3/6/17			\$21,223.62	Completed	AMP Project 4
1420	2013-CC-BCCE-1420	Section 10, 2013-2015 IPB		Desert Conservation Program	BCCE Management	7/1/13	9/30/17	\$330,000.00	\$9,695.85		In Progress	
1420A	2013-BC-1420A	Section 10, 2013-2015 IPB		Boulder City Conservation Easement Law Enforcement	BCCE Law Enforcement	8/13/13	9/30/15			\$282,876.00	Completed	BCCE Project 2
1420D	2013-AMEX-1420D	Section 10, 2013-2015 IPB		American Express	Reserves Maintenance & Tools	7/1/15	6/30/16			\$2,400.00	Completed	BCCE Project 1
1420E	2013-BC-1420E	Section 10, 2013-2015 IPB	1510A	Boulder City Conservation Easement Law Enforcement	BCCE Law Enforcement	8/5/15	9/26/17			\$34,664.00	Completed	BCCE Project 2

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1420F	2013-AMEX-1420F	Section 10, 2013-2015 IPB		American Express	Reserves Maintenance & Tools	7/1/16	6/30/17			\$2,400.00	Completed	BCCE Project 1
1420G	2013-BERNTSEN-1420G	Section 10, 2013-2015 IPB		Bernsten International, Inc	Acquisition of Signs for the BCCE	4/25/17	6/30/17			\$3,323.34	Completed	BCCE Project 1
1420H	2013-SIGARAMA-1420H	Section 10, 2013-2015 IPB		Signarama	BCCE 25 mph Decals for Route Signage	5/10/17	6/30/17			\$150.00	Completed	BCCE Project 1
1421	2013-CC BOCEREST-1421	Section 10, 2013-2015 IPB		Desert Conservation Program	BCCE Restoration	7/1/13	9/30/17	\$250,000.00	\$11,358.41		In Progress	
1421A	2013-ROBERTSON-1421A	Section 10, 2013-2015 IPB	802M, 901D, 1515C	Robertson + Partners	DCP Branding Project	12/28/15	6/30/17			\$46,883.59	Completed	PIE Project 2
1421B	2013-BORRMAN-1421B	Section 10, 2013-2015 IPB		Conservation Science Research	BCCE DT Predation Study-Phase 2 Amendment	3/24/17	8/15/18			\$191,758.00	In Progress	AMP Project 5
1430	2013-CC IED-1430	Section 10, 2013-2015 IPB		Desert Conservation Program	Information, Education & Outreach	7/1/13	9/30/17	\$256,100.00	\$0.00		Completed	
1430V	2013-LVTACTICAL-1430V	Section 10, 2013-2015 IPB		Las Vegas Tactical, LLC	Acquisition of Mojave Max Patches	9/10/15	6/30/16			\$650.00	Completed	PIE Project 1
1430W	2013-GIFTCO-1430W	Section 10, 2013-2015 IPB		Giftco	Acquisition of Mojave Max Backpacks	8/31/15	6/30/16			\$2,120.00	Completed	PIE Project 1
1430X	2013-PAPER-1430X	Section 10, 2013-2015 IPB		Paper Zombies	Mojave Max Brochure	9/3/15	6/30/16			\$1,537.50	Completed	PIE Project 1
1430Y	2013-BLUETRACK-1430Y	Section 10, 2013-2015 IPB		Bluetrack, Inc	Acquisition of Desert Tortoise Stress Balls	12/9/15	3/31/16			\$2,499.00	Completed	PIE Project 1
1430Z	2013-GIFTCO-1430Z	Section 10, 2013-2015 IPB		Giftco	Acquisition of Mojave Max Backpacks	3/2/16	6/30/16			\$2,120.00	Completed	PIE Project 1
1430AA	2013-PAPER-1430AA	Section 10, 2013-2015 IPB		Paper Zombies	Graphics Design for Interpretive Panel	4/15/16	6/30/16			\$450.00	Completed	PIE Project 1
1430AB	2013-JACKSON-1430AB	Section 10, 2013-2015 IPB		Jackson Media Works	Acquisition of Air Fresheners	4/28/16	6/30/16			\$823.15	Completed	PIE Project 1
1440	2013-CC PRPMGT-1440	Section 10, 2013-2015 IPB		Desert Conservation Program	Other Property Management	7/1/13	9/30/17	\$10,000.00	\$8,600.00		In Progress	
1440B	2013-NV-1440B	Section 10, 2013-2015 IPB		Nevada Division of Water Resources	Water Rights Permit Fees	9/1/15	6/30/16			\$8,600.00	Completed	Riparian Project 7
1440C	2013-NV-1440C	Section 10, 2013-2015 IPB		Nevada Division of Water Resources	Water Rights Permit Fees	7/1/16	6/30/17			\$8,600.00	Completed	Riparian Project 7
1442	2013-CC FENCING-1442	Section 10, 2013-2015 IPB		Desert Conservation Program	Fencing	7/1/13	6/30/15	\$100,000.00	\$0.00		Completed	
1442A	2013-MULLER-1442A	Section 10, 2013-2015 IPB	804F, 1525A	Muller Construction	Energy Zone Fencing	6/1/16	12/31/17			\$100,000.00	Completed	BCCE Project 3
1445	2013-CC RIPMGT-1445	Section 10, 2013-2015 IPB		Desert Conservation Program	Riparian Property Management	7/1/13	9/30/17	\$103,000.00	\$27,865.36		In Progress	
1445A	2013-NANCE-1445A	Section 10, 2013-2015 IPB		Doug Nance	Muddy River Property Maintenance	12/9/13	7/31/15			\$34,840.00	Completed	Riparian Project 1
1445C	2013-BERGER-1445C	Section 10, 2013-2015 IPB	804F, 1525A	Louis Berger Engineering	Muddy River Grading Plan	7/1/16	6/30/20			\$19,142.55	Completed	Riparian Project 3
1445E	2013-FARRWEST-1445E	Section 10, 2013-2015 IPB	805AE	Farr West Engineering	Water Rights Consulting	12/1/16	8/15/19			\$11,943.30	In Progress	Riparian Project 7
1445F	2013-TNC-1445F	Section 10, 2013-2015 IPB		The Nature Conservancy	Lower Virgin River Integrated Watershed Plan	5/1/17	1/15/16			\$10,000.00	In Progress	Riparian Project 2

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1445G	2013-FORESTRY-1445G	Section 10, 2013-2015 IPB		Forestry Suppliers	Acquisition of Field Supplies	5/16/17	6/30/17			\$808.99	Completed	Riparian Project 1
1446	2013-CC RIPREST-1446	SNPLMA Round 14		Desert Conservation Program	Riparian Prop Restoration - Phase II	8/19/14	8/30/19	\$88,650.00	\$41,836.25		In Progress	
1446A	2013-STILLWATER-1446A	SNPLMA Round 14		Stillwater Sciences	Geotech & Conceptual Grading Plan	5/1/15	8/31/15			\$22,324.00	Completed	Riparian Project 3
1446C	2013-PHILLIPS-1446C	SNPLMA Round 14		Fred Phillips Consulting, LLC	Muddy River Restoration Plan	6/5/17	9/22/17			\$23,999.75	In Progress	Riparian Project 4
1450	2013-FWSTRANS10-1450	Section 10, 2013-2015 IPB		Desert Conservation Program	USFWS Desert Tortoise Translocation	7/1/13	12/31/18	\$384,500.00	\$0.00		Completed	
1450B	2013-CBI-1450B	Section 10, 2013-2015 IPB		Great Basin Institute	Desert Tortoise Telemetry on the BCCE	12/2/14	12/31/18			\$134,151.00	Completed	Wild DT Project 2
1451	2013-FWSTRANSR14-1451	SNPLMA Round 14		Desert Conservation Program	USFWS Desert Tortoise Translocation	8/19/14	8/30/19	\$384,500.00	\$0.00		Completed	
1451A	2013-CBI-1451A	SNPLMA Round 14	1412A	Great Basin Institute	Etorado Desert Tortoise Monitoring (Year 1 & 2)	8/16/14	8/15/16			\$346,050.00	Completed	Wild DT Project 2
1455	2013-CC WILDDT-1455	Section 10, 2013-2015 IPB		Desert Conservation Program	Wild Desert Tortoise Assistance	7/1/13	9/30/17	\$78,100.00	\$47,153.37		In Progress	
1455A	2013-EARTHGAM-1455A	Section 10, 2013-2015 IPB		Earthcam, Inc.	Desert Tortoise Habitat Camera	9/1/15	6/30/16			\$18,363.00	Completed	PIE Project 1
1455B	2013-CENTURY-1455B	Section 10, 2013-2015 IPB		Centurylink	Low Voltage for DT Habitat Camera	10/13/15	6/30/16			\$5,469.26	Completed	PIE Project 1
1460	2013-CC PAMEND-1460	Section 10, 2013-2015 IPB		Desert Conservation Program	Permit Amendment	7/1/13	9/30/17	\$836,000.00	\$479,126.66		In Progress	
1460A	2013-WRA-1460A	Section 10, 2013-2015 IPB		WRA Environmental Consultants	HCP Consultant for the MSHCP Amendment	3/21/17	1/31/22			\$307,773.34	In Progress	Prog Admin Project 2
1460B	2013-AA-1460B	Section 10, 2013-2015 IPB		Applied Analysis	Economic Analysis of a Regional HCP	3/7/17	8/31/17			\$49,100.00	In Progress	Prog Admin Project 2
1500	2015-CC ADMIN-1500	Section 10, 2015-2017 IPB		Desert Conservation Program	MSHCP ADMINISTRATION 15-17	7/1/15	6/30/16	\$4,359,825.00	\$1,251,259.28		Completed	
1500A	2015-STAPLES-1500A	Section 10, 2015-2017 IPB		Staples	Office Supplies - FY16	7/1/15	6/30/16			\$5,000.00	Completed	Prog Admin Project 1
1500B	2015-CINTAS-1500B	Section 10, 2015-2017 IPB		Cintas First Aid & Safety	First Aid & Safety Supplies - FY16	7/1/15	6/30/16			\$200.00	Completed	Prog Admin Project 1
1500C	2015-LOGO-1500C	Section 10, 2015-2017 IPB		Logo Apparel	Uniform Apparel - FY16	7/1/15	6/30/16			\$850.00	Completed	Prog Admin Project 1
1500D	2015-OV-1500D	Section 10, 2015-2017 IPB		Opportunity Village	Document Shredding & Container - FY16	7/1/15	6/30/16			\$150.00	Completed	Prog Admin Project 1
1500E	2015-REDWING-1500E	Section 10, 2015-2017 IPB		Red Wing Shoe Store	Safety Shoes - FY16	7/1/15	6/30/16			\$550.00	Completed	Prog Admin Project 1
1500G	2015-JACKSON-1500G	Section 10, 2015-2017 IPB		Jackson Media Works	2013-2015 BPR Editing & Printing	8/5/15	6/30/16			\$2,450.00	Completed	Prog Admin Project 1
1500H	2015-RADIO-1500H	Section 10, 2015-2017 IPB		Radioactive Productions	15 Yr Anniversary MSHCP Video	9/10/15	2/29/16			\$21,250.00	Completed	PIE Project 3
1500J	2015-PURDUE-1500J	Section 10, 2015-2017 IPB		Purdue Marion & Associates	15 YR Anniversary MSHCP	9/15/15	2/29/16			\$7,500.00	Completed	PIE Project 3
1500K	2015-SMITH-1500K	Section 10, 2015-2017 IPB		Smith Creative Company	15th Anniversary Invite Design	10/9/15	6/30/16			\$1,300.00	Completed	PIE Project 3

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1500L	2015-ISTOR-1500L	Section 10, 2015-2017 IPB		JSTOR	JSTOR Subscription	10/29/15	6/30/16			\$2,100.00	Completed	Prog Admin Project 1
1500M	2015-DELL-1500M	Section 10, 2015-2017 IPB		Dell Marketing LP	Laptop Acquisition	10/7/15	6/30/16			\$1,160.47	Completed	Prog Admin Project 1
1500N	2015-AGE-1500N	Section 10, 2015-2017 IPB		Ace World Wide-West	Move to Air Quality Russell Building	10/16/15	6/30/16			\$1,724.75	Completed	Prog Admin Project 1
1500P	2015-BOUNDLESS-1500P	Section 10, 2015-2017 IPB		Boundless Network	Acquisition of Gift Bags & Flash Drives	11/3/15	6/30/16			\$1,739.30	Completed	PIE Project 3
1500Q	2015-NSM-1500Q	Section 10, 2015-2017 IPB		Nevada State Museum & Historical	Event Room for 15th Anniversary Event	11/16/15	6/30/16			\$1,125.00	Completed	PIE Project 3
1500R	2015-DIVINE-1500R	Section 10, 2015-2017 IPB		Divine Events	Catering for 15th Anniversary Event	12/14/15	6/30/16			\$4,026.68	Completed	PIE Project 3
1500S	2015-BOUNDLESS-1500S	Section 10, 2015-2017 IPB		Boundless Network	Acquisition of Journals and Pens	12/22/15	6/30/16			\$1,585.60	Completed	PIE Project 3
1500T	2015-STAPLES-1500T	Section 10, 2015-2017 IPB		Staples	Office Supplies - FY17	7/1/16	6/30/17			\$5,000.00	Completed	Prog Admin Project 1
1500U	2015-OV-1500U	Section 10, 2015-2017 IPB		Opportunity Village	Document Shredding & Container - FY17	7/1/16	6/30/17			\$150.00	Completed	Prog Admin Project 1
1500V	2015-LOGO-1500V	Section 10, 2015-2017 IPB		Logo Apparel	Uniform Apparel - FY17	7/1/16	6/30/17			\$600.00	Completed	Prog Admin Project 1
1500W	2015-REDWING-1500W	Section 10, 2015-2017 IPB		Red Wing Shoes of America	Safety shoes - FY17	7/1/16	6/30/17			\$550.00	Completed	Prog Admin Project 1
1500X	2015-CINTAS-1500X	Section 10, 2015-2017 IPB		Cintas First Aid & Safety	First Aid & Safety Supplies - FY17	7/1/16	6/30/17			\$200.00	Completed	Prog Admin Project 1
1500Y	2015-REBEL-1500Y	Section 10, 2015-2017 IPB		Rebel Oil Company, Inc	Wet-hose Contract for Unleaded Fuel	7/1/16	7/31/16			\$500.00	Completed	Prog Admin Project 1
1500Z	2015-REBEL-1500Z	Section 10, 2015-2017 IPB		Rebel Oil Company, Inc	Wet-hose Contract for Unleaded Fuel	8/24/16	6/30/17			\$1,500.00	Completed	Prog Admin Project 1
1500AA	2015-SAHARA/JEEP-1500AA	Section 10, 2015-2017 IPB		Sahara Chrysler/JEEP Dodge Ram	Acquisition of Jeep Rubicon	11/2/16	6/30/17			\$36,989.00	Completed	Prog Admin Project 1
1500AB	2015-DELL-1500AB	Section 10, 2015-2017 IPB		Dell Marketing LP	Acquisition of Computers & Monitors	10/18/16	6/30/17			\$12,039.16	Completed	Prog Admin Project 1
1500AC	2015-SH-1500AC	Section 10, 2015-2017 IPB		SHI International Corp	Acquisition of Adobe Creative Cloud	11/22/16	6/30/17			\$531.00	Completed	Prog Admin Project 1
1500AD	2015-DELL-1500AD	Section 10, 2015-2017 IPB		Dell Marketing LP	Acquisition of VLA Project 2016	11/30/16	6/30/17			\$382.99	Completed	Prog Admin Project 1
1500AE	2015-CDWG-1500AE	Section 10, 2015-2017 IPB		CDW Government, Inc	Acquisition of Desktop Printer	3/30/17	6/30/17			\$367.08	Completed	Prog Admin Project 1
1500AF	2015-GIS-1500AF	Section 10, 2015-2017 IPB		Graphic Imaging Services, Inc.	Fujitsu Scanner Maintenance	5/18/17	6/2/18			\$2,022.00	Completed	Prog Admin Project 1
1510	2015-CC BCCE-1510	Section 10, 2015-2017 IPB		Desert Conservation Program	BCCE MGMT & LAW ENFORCEMENT	7/1/15	6/30/19	\$220,960.00	\$3,500.00		In Progress	
1510A	2015-BC-1510A	Section 10, 2015-2017 IPB	1420E	City of Boulder City	BCCE Law Enforcement	8/5/15	10/3/17			\$217,460.00	In Progress	BCCE Project 2
1515	2015-CC IEO-1515	Section 10, 2015-2017 IPB		Desert Conservation Program	INFORMATION, EDUCATION & OUTREACH	7/1/15	6/30/19	\$306,753.00	\$932.88		In Progress	
1515A	2015-SMC-1515A	Section 10, 2015-2017 IPB		Southern Nevada Conservancy	Mojave Max Education Program	7/1/15	7/31/17			\$180,500.00	In Progress	PIE Project 1

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1515B	2015-ZEE-1515B	Section 10, 2015-2017 IPB		Zee Designs	Mojave Max Website Support Services	7/1/15	6/30/16			\$1,101.60	Completed	PIE Project 1
1515C	2015-ROBERTSON-1515C	Section 10, 2015-2017 IPB	802M, 801D, 1421A	Robertson + Partners	DCP Branding Project	2/2/16	6/30/19			\$75,000.00	Completed	PIE Project 2
1515D	2015-SKYHIGH-1515D	Section 10, 2015-2017 IPB		Skyhigh Marketing	Acquisition of Tortoise Paper Clips	3/22/16	6/30/16			\$1,450.00	Completed	PIE Project 1
1515E	2015-JACKSON-1515E	Section 10, 2015-2017 IPB		Jackson Media Works	Acquisition of Air Fresheners	4/28/17	6/30/16			\$1,291.85	Completed	PIE Project 1
1515F	2015-PAPER-1515F	Section 10, 2015-2017 IPB		Paper Zombies	Graphics Design for MM Emerg	5/2/16	6/30/16			\$75.00	Completed	PIE Project 1
1515G	2015-ZEE-1515G	Section 10, 2015-2017 IPB		Zee Designs	Mojave Max Secure Server License	4/28/16	9/30/16			\$352.50	Completed	PIE Project 1
1515H	2015-ZEE-1515H	Section 10, 2015-2017 IPB		Zee Designs	Mojave Max Contest Portal	5/23/16	9/15/16			\$20,640.00	Completed	PIE Project 1
1515J	2015-ZEE-1515J	Section 10, 2015-2017 IPB		Zee Designs	2017 Mojave Max Website Support	7/1/16	6/30/17			\$1,270.60	Completed	PIE Project 1
1515K	2015-ZEE-1515K	Section 10, 2015-2017 IPB		Zee Designs	Live Video Feed	8/25/16	6/30/17			\$991.25	Completed	PIE Project 1
1515L	2015-ZEE-1515L	Section 10, 2015-2017 IPB		Zee Designs	Assembly Application	8/25/16	6/30/17			\$507.50	Completed	PIE Project 1
1515M	2015-ZEE-1515M	Section 10, 2015-2017 IPB		Zee Designs	Mojave Max Assembly Application	11/7/16	6/30/17			\$117.53	Completed	PIE Project 1
1515N	2015-SKYHIGH-1515N	Section 10, 2015-2017 IPB		Skyhigh Marketing	Acquisition of Lip Moisturizer Balls	12/2/16	6/30/17			\$760.00	Completed	PIE Project 1
1515P	2015-GIFTCO-1515P	Section 10, 2015-2017 IPB		Giftco	Acquisition of Temporary Tattoos	12/2/16	6/30/17			\$103.00	Completed	PIE Project 1
1515Q	2015-SKYHIGH-1515Q	Section 10, 2015-2017 IPB		Skyhigh Marketing	Acquisition of LED Flashlights	12/2/16	6/30/17			\$1,055.00	Completed	PIE Project 1
1515R	2015-MORGAN-1515R	Section 10, 2015-2017 IPB		Morgan-Specialties, Inc.	Acquisition of Tortoise Paper Clips	1/31/17	6/30/17			\$2,715.00	Completed	PIE Project 1
1515S	2015-ABUNLIMITED-1515S	Section 10, 2015-2017 IPB		AB Limited Worldwide	Acquisition of Learn to the Max Patches	2/7/17	6/30/17			\$1,210.00	Completed	PIE Project 1
1515T	2015-ZEE-1515T	Section 10, 2015-2017 IPB		Zee Designs	Mojave Max Verification Page	2/6/17	6/30/17			\$3,200.62	Completed	PIE Project 1
1515U	2015-EARTHCAM-1515U	Section 10, 2015-2017 IPB		Earthcam, Inc.	Incr Archiving Time on Mojave Max	2/14/17	6/30/17			\$845.00	Completed	PIE Project 1
1515V	2015-LOGO-1515V	Section 10, 2015-2017 IPB		Logo Fusion USA, Inc.	Acquisition of Learn to the Max Conf Bags	3/9/17	6/30/17			\$948.00	Completed	PIE Project 1
1515W	2015-ROBERTSON-1515W	Section 10, 2015-2017 IPB		Robertson + Partners	Mojave Max Website Support Services	4/15/17	4/15/18			\$660.00	Completed	PIE Project 1
1515X	2015-LOGO-1515X	Section 10, 2015-2017 IPB		Logo Fusion USA, Inc.	Acquisition of Learn to the Max Tablecloth	4/4/17	6/30/17			\$573.00	Completed	PIE Project 1
1515Y	2015-ROBERTSON-1515Y	Section 10, 2015-2017 IPB		Robertson + Partners	Mojave Max Assembly Power-Point Presentation	5/16/17	10/3/17			\$6,250.00	In Progress	PIE Project 1
1515Z	2015-ALINCO-1515Z	Section 10, 2015-2017 IPB		Alinco, Inc	Acquisition of Tortoise Costumes	5/15/17	6/30/17			\$4,350.00	Completed	PIE Project 1
1520	2015-CC PRPMGMT-1520	Section 10, 2015-2017 IPB		Desert Conservation Program	RIPARIAN PROPERTY MANAGEMENT	7/1/15	6/30/19	\$203,376.00	\$40,146.15		In Progress	

CLARK COUNTY DESERT CONSERVATION PROGRAM 2015-2017 BIENNIUM PROGRESS REPORTS CONT.

Sorted by project number

Highlighted projects represent internal budgets, or "master projects"

Project #	Project Number	Funding Source	Split Funding	Lead Agency/Contractor	Project Title	Start	End	Amount Budgeted (Master Projects)	Unspent Funds (Master Projects)	Award Amount (Contracts)	Status as of 06/30/2017	Report Reference
1520B	2015-NPS-1520B	Section 10, 2015-2017 IPB		National Park Service	Muddy River Weed Management	11/10/15	12/31/18			\$108,000.00	In Progress	Riparian Project 1
1520C	2015-PPC-1520C	Section 10, 2015-2017 IPB		Partners in Conservation	Muddy River Weed Removal	1/22/16	4/15/16			\$5,858.86	Completed	Riparian Project 1
1520D	2015-REPUBLIC-1520D	Section 10, 2015-2017 IPB		Republic Services	Dumpster Rental for MR Weed	1/22/16	4/22/16			\$3,421.78	Completed	Riparian Project 1
1520E	2015-WHITNEY-1520E	Section 10, 2015-2017 IPB		Whitney's Water Systems, Inc	Muddy River Backflow Test	2/12/16	4/30/16			\$98.00	Completed	Riparian Project 1
1520F	2015-FORESTRY-1520F	Section 10, 2015-2017 IPB		Forestry Suppliers	Acquisition of Hip Waders	5/3/16	6/30/16			\$256.06	Completed	Riparian Project 1
1520G	2015-WHITNEY-1520G	Section 10, 2015-2017 IPB		Whitney's Water Systems, Inc	Muddy River Pump Diagnostic	7/11/16	6/30/17			\$3,240.50	Completed	Riparian Project 1
1520H	2015-STILLWATER-1520H	Section 10, 2015-2017 IPB 1521A		Stillwater Sciences	VR Baseline Conditions Assessment	7/1/16	6/30/17			\$10,408.70	Completed	Riparian Project 5
1520J	2015-MCCOR-1520J	Section 10, 2015-2017 IPB		L.J. McCormick Enterprises Inc	Riparian Property Maintenance	8/19/16	10/6/17			\$36,200.00	Completed	Riparian Project 1
1520K	2015-WHITNEY-1520K	Section 10, 2015-2017 IPB		Whitney's Water Systems, Inc	Muddy River Pump	12/5/16	6/30/17			\$8,042.00	Completed	Riparian Project 1
1520L	2015-WHITNEY-1520L	Section 10, 2015-2017 IPB		Whitney's Water Systems, Inc	Backflow Test and Repair	3/1/17	6/30/17			\$148.00	Completed	Riparian Project 1
1521	2015-CC RIPREST-1521	SNPLMA Round 15		Desert Conservation Program	RIPARIAN RESTORATION RSV	7/1/15	6/30/20	\$214,150.00	\$191,798.00		In Progress	
1521A	2015-STILLWATER-1521A	Section 10, 2015-2017 IPB 1520H		Stillwater Sciences	VR Baseline Conditions Assessment	9/9/16	2/28/17			\$22,352.00	Completed	Riparian Project 5
1525	2015-CC FENCE-1525	Section 10, 2015-2017 IPB		Desert Conservation Program	WILDLIFE FENCING	7/1/15	6/30/19	\$426,197.00	\$175,887.40		In Progress	
1525A	2015-MULLER-1525A	Section 10, 2015-2017 IPB 804F, 1442A		Muller Construction	Energy Zone Fencing	6/1/16	12/31/17			\$238,698.37	In Progress	BCCE Project 3
1525B	2015-HRA-1525B	Section 10, 2015-2017 IPB		HRA, Inc.	Tule Springs Cultural Resource Survey	5/30/17	1/8/18			\$11,556.25	In Progress	Cons Proj 2
1530	2015-CC SLOOP REST-1530	Section 10, 2015-2017 IPB		Desert Conservation Program	SOUTH LOOP TRAIL RESTORATION	7/1/15	6/30/17	\$20,000.00	\$0.00		Completed	
1530A	2015-GBI-1530A	Section 10, 2015-2017 IPB		Great Basin Institute	South Loop Trail Restoration	5/23/16	11/22/16			\$19,969.56	Completed	Cons Proj 3
1535	2015-CC BIRD SURVEYS-1535	Section 10, 2015-2017 IPB		Desert Conservation Program	RIPARIAN RSV UNITS BASELINE BIRD SURVEYS	7/1/15	6/30/19	\$52,867.00	\$4,299.00		In Progress	
1535A	2015-SWCA-1535A	Section 10, 2015-2017 IPB		SWCA Environmental Consultants	Federally Listed Bird Surveys	3/15/17	11/30/17			\$30,382.00	In Progress	AMP Project 3
1535B	2015-SWCA-1535B	Section 10, 2015-2017 IPB		SWCA Environmental Consultants	Point Count Surveys on Riparian Properties	3/1/17	10/15/17			\$18,186.00	In Progress	AMP Project 3
1540	2015-CC DTMONS10-1540	Section 10, 2015-2017 IPB		Desert Conservation Program	DESERT TORTOISE MONITORING	7/1/15	6/30/19	\$492,576.00	\$3,505.50		In Progress	
1540A	2015-GBI-1540A	Section 10, 2015-2017 IPB		Great Basin Institute	Desert Tortoise Range-Wide Monitoring	1/26/16	12/4/16			\$426,840.41	In Progress	AMP Project 2
1540B	2015-USFWS-1540B	Section 10, 2015-2017 IPB		US Fish & Wildlife Service	DT Monitoring Data Management	10/14/15	10/7/16			\$62,833.00	In Progress	AMP Project 2
1541	2015-CC DTMONSNPLMA-1541	SNPLMA Round 15		Desert Conservation Program	DESERT TORTOISE MONITORING-SNPLMA	7/1/15	6/30/20	\$1,077,373.00	\$0.00		In Progress	

CLARK COUNTY DESERT CONSERVATION PROGRAM 2015-2017 BIENNIUM PROGRESS REPORTS CONT.

Sorted by project number

Highlighted projects represent internal budgets, or "master projects"

Project #	Project Number	Funding Source	Split Funding	Lead Agency/Contractor	Project Title	Start	End	Amount Budgeted (Master Projects)	Unspent Funds (Master Projects)	Award Amount (Contracts)	Status as of 06/30/2017	Report Reference
1541A	2015-USFWS-1541A	SNPLMA Round 15		US Fish & Wildlife Service	DT Monitoring Data Management Year 2-5	10/7/16	3/15/21			\$153,361.00	In Progress	AMP Project 2
1541B	2015-GBI-1541B	SNPLMA Round 15		Great Basin Institute	Desert Tortoise Range-Wide Monitoring	12/5/16	12/4/20			\$924,012.00	In Progress	AMP Project 2
1545	2015-CC POST DTMON-1545	Section 10, 2015-2017 IPB		Desert Conservation Program	POST-TRANSLOCATION DT MONITORING	7/1/15	6/30/17	\$350,000.00	\$8,347.53		In Progress	
1545A	2015-GBI-1545A	Section 10, 2015-2017 IPB		Great Basin Institute	DT Telemetry on the BCCE (Yr 2 & 3)	11/1/15	10/31/17			\$341,652.47	In Progress	Wild DT Project 2
1550	2015-CC FROG-1550	Section 10, 2015-2017 IPB		Desert Conservation Program	RELICT LEOPARD FROG CNSV PLAN & IMPLEMENTATION	7/1/15	6/30/17	\$184,050.00	\$0.00		In Progress	
1550A	2015-UNLV-1550A	Section 10, 2015-2017 IPB		University of Nevada (UNLV)	Relict Leopard Frog Consr Plan and Implementation	6/1/16	4/30/19			\$184,050.00	In Progress	Cons Proj 4
1555	2015-CC DT CLINICS-1555	Section 10, 2015-2017 IPB		Desert Conservation Program	DT STERILIZATION CLINICS & OUTREACH	7/1/15	6/30/17	\$48,280.00	\$0.00		Completed	
1555A	2015-USFWS-1555A	Section 10, 2015-2017 IPB		US Fish & Wildlife Service	Pet Tortoise Sterilization Clinic	7/8/15	10/31/15			\$24,340.00	Completed	Wild DT Project 3
1555B	2015-USFWS-1555B	Section 10, 2015-2017 IPB		US Fish & Wildlife Service	Tortoise Sterilization Clinic	6/16/16	9/30/16			\$23,940.00	Completed	Wild DT Project 3
1560	2015-CC DTHOLD-1560	Section 10, 2015-2017 IPB		Desert Conservation Program	TEMP HOLDING FACILITY FOR DISPLACED DT	7/1/15	6/30/19	\$250,000.00	\$250,000.00		In Progress	
1570	2015-CC RIPREST-1570	SNPLMA Round 15		Desert Conservation Program	RESTORATION ON THE CLARK COUNTY MUDDY RIVER	3/1/17	2/28/22	\$2,770,000.00	\$2,770,000.00		In Progress	
1580	2015-CC DTCONN-1580	SNPLMA Round 15		Desert Conservation Program	TORTOISE CONNECTIVITY	3/1/17	2/28/22	\$2,448,000.00	\$2,448,000.00		In Progress	

Report Reference Key:

PIE = Public Information, Education, and Outreach
 AMP = Adaptive Management Program
 Prog Admin = Program Administration and Permit Compliance
 BCCE = Management of the Boulder City Conservation Easement
 Riparian = Management of the Riparian Reserve Units
 Cons Proj = Conservation Projects
 Wild DT = Wild Desert Tortoise Assistance

ADMINISTRATION

Administration of the Desert Conservation Program encompasses all aspects of implementing the MSHCP and complying with the incidental take permit issued by the U.S. Fish and Wildlife Service. Administration of the MSHCP provides a regional and streamlined environmental permitting process that results in a reliable, certain, and predictable process for land development and other economic development activities in Clark County. Effective administration of the program also spares individual private-property owners from the complicated and time consuming task of consulting with the U.S. Fish and Wildlife Service on a project-by-project basis.

This segment of the program focuses on providing adequate resources and staffing necessary to properly implement the MSHCP, oversee the assessment and collection of disturbance fees and the reporting of land disturbance, oversee the budgeting and accounting areas of operation, ensure compliance with state and federal permits associated with the program, prepare compliance reports as outlined in the MSHCP, and support efforts to obtain an amendment to the MSHCP to continue providing a streamlined permitting process for economic development activities into the future.



Desert Conservation Program website home page.

Program Area: Program Administration and Permit Compliance

Program Admin Project 1: MSHCP Administration

Project Contact: Kimberley Jenkins

Principal Environmental Specialist

702.455.5529

Kimberley.Jenkins@ClarkCountyNV.gov

Background and Need for Project

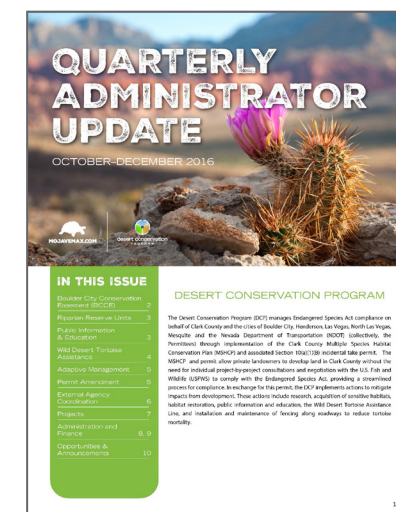
This project provides for the day-to-day administration and operation of the Desert Conservation Program, including staffing to implement mitigation actions, management and implementation of SNPLMA projects, and internal service charges and operational expenses. Administration of the Desert Conservation Program encompasses all aspects of implementing the MSHCP and complying with the incidental take permit issued by the U.S. Fish and Wildlife Service. Administration of the MSHCP is conducted on behalf of the cities of Las Vegas, North Las Vegas, Henderson, Mesquite, Boulder City, and the Nevada Department of Transportation.

Accomplishments

- Processed and managed \$3,031,209.50 in mitigation fees for 5,511.29 acres of land disturbance in the 2015-2017 biennium
- Provided administration, project/contract management, and implementation for 200 Section 10-funded projects
- Provided administration, project/contract management, and implementation for 8 SNPLMA-funded projects
- Received 533 invoices, processed 514 invoices, and rejected 19 invoices
- Received, reviewed, and processed 449 deliverables from contract projects
- Continued process development for centralized fee collection of tortoise fees
- Reviewed federal, state, local, or industry documents for impacts to Clark County mitigation areas
- Reviewed and provided comments on land use plans and proposed federal policies, rules, and handbooks for potential impacts to Clark County and local municipalities
- Reviewed draft bills introduced in the 2017 state legislative session for potential impacts to the program
- Completed the 2013-2015 Biennium Progress Report
- Completed the 2017-2019 Implementation Plan and Budget
- Completed 8 Quarterly Plan Administrator Updates
- Prepared and submitted 3 nominations for funding under SNPLMA Round 16 and 3 nominations for funding under SNPLMA Round 17
- Prepared and submitted fiscal year budgets to the Clark County Budget Office
- Provided data, maps, and documents to interested parties and regulatory agencies as requested
- Participated on environmental advisory committees for the revision of comprehensive plans for Clark County and City of Henderson
- Completed relocation and office move from Government Center to the Russell Road offices
- Recruited and hired 3 staff positions to backfill vacancies

Associated Purchase Orders

Project Number	Vendor	Title	Funding Amount	Funding Source
2015-STAPLES-1500A	Staples	Office Supplies - FY16	\$5,000.00	Section 10, 2015-2017 biennium
2015-CINTAS-1500B	Cintas First Aid & Safety	First Aid & Safety Supplies - FY16	\$200.00	Section 10, 2015-2017 biennium
2015-LOGO-1500C	Logo Apparel	Uniform Apparel - FY16	\$830.00	Section 10, 2015-2017 biennium
2015-OV-1500D	Opportunity Village	Document Shredding & Container - FY16	\$150.00	Section 10, 2015-2017 biennium
2015-REDWING-1500E	Red Wing Shoe Store	Safety Shoes - FY16	\$550.00	Section 10, 2015-2017 biennium
2015-NDF-1500G	Jackson Media Works	BPR Editing & Printing	\$2,450.00	Section 10, 2015-2017 biennium
2015-JSTOR-1500L	JSTOR	JSTOR Subscription	\$2,100.00	Section 10, 2015-2017 biennium
2015-DELL-1500M	Dell Marketing LP	Laptop Acquisition	\$1,160.47	Section 10, 2015-2017 biennium
2015-ACE-1500N	Ace World Wide-West	Move to Air Quality Russell Building	\$1,724.75	Section 10, 2015-2017 biennium
2015-STAPLES-1500T	Staples	Office Supplies - FY17	\$5,000.00	Section 10, 2015-2017 biennium
2015-OV-1500U	Opportunity Village	Document Shredding & Container - FY17	\$150.00	Section 10, 2015-2017 biennium
2015-LOGO-1500V	Logo Apparel	Uniform Apparel - FY17	\$600.00	Section 10, 2015-2017 biennium
2015-REDWING-1500W	Red Wing Shoes of America	Safety shoes - FY17	\$550.00	Section 10, 2015-2017 biennium
2015-CINTAS-1500X	Cintas First Aid & Safety	Fist Aid & Safety Supplies - FY17	\$200.00	Section 10, 2015-2017 biennium
2015-REBEL-1500Y	Rebel Oil Company, Inc	Wet-hose Contract for Unleaded Fuel	\$500.00	Section 10, 2015-2017 biennium
2015-REBEL-1500Z	Rebel Oil Company, Inc	Wet-hose Contract for Unleaded Fuel	\$1,500.00	Section 10, 2015-2017 biennium
2015-SAHARAJEEP-1500AA	Sahara Chrysler Jeep Dodge Ram	Acquisition of Jeep Rubicon	\$36,989.00	Section 10, 2015-2017 biennium
2015-DELL-1500AB	Dell Marketing LP	Acquisition of Computers & Monitors (TRP)	\$12,039.16	Section 10, 2015-2017 biennium
2015-SHI-1500AC	SHI International Corp	Acquisition of Adobe Creative Cloud	\$531.00	Section 10, 2015-2017 biennium
2015-DELL-1500AD	Dell Marketing LP	Acquisition of VLA Project 2016	\$382.99	Section 10, 2015-2017 biennium
2015-CDWG-1500AE	CDW Government, Inc	Acquisition of Desktop Printer	\$367.08	Section 10, 2015-2017 biennium
2015-GIS-1500AF	Graphic Imaging Services, Inc.	Fujitsu Scanner Maintenance	\$2,022.00	Section 10, 2015-2017 biennium



Quarterly Administrator Update report.

Program Area: Program Administration and Permit Compliance

Program Admin Project 2: Permit Amendment

Project Contact: Kimberley Jenkins
Principal Environmental Specialist
702.455.5529
Kimberley.Jenkins@ClarkCountyNV.gov

Background and Need for Project

The purpose of these projects is to provide for various technical studies, outreach, facilitation, and administration to support a proposed amendment to the Clark County MSHCP. The Desert Conservation Program has been working to revise the list of species covered under the MSHCP; develop a new conservation strategy; develop new and/or updated avoidance, minimization, and mitigation measures; and develop a new implementation structure. This project also provides for the services of outside legal counsel to assist with development of the revised MSHCP and with negotiating permit terms with regulatory agencies.

CONTRACT 1

Project Title: Permit Amendment Legal Counsel
Project Number: 2007-EMS-1014B
Project Vendor: Ebbin, Moser + Skaggs, LLP
Funding: \$913,000.00
Funding Source: Section 10, 2007-2009

Accomplishments

- Provided advice and legal counsel to support the development of an amended MSHCP
- Assisted with legislative efforts that would support the program goals and the amended MSHCP
- Review various documents and analyses related to the amended MSHCP

CONTRACT 2

Project Title: Legal Services for DCP
Project Number: 2007-EMS-1014J
Project Vendor: Ebbin, Moser + Skaggs, LLP
Funding: \$200,000.00
Funding Source: S10, 2007-2009 IPB and 2011-2013 IPB
Contract Term: 7/1/2016 to 4/30/2018

Accomplishments

- Provided advice and legal counsel to support the development of an amended MSHCP
- Assisted with legislative efforts that would support the program goals and the amended MSHCP
- Review various documents and analyses related to the amended MSHCP

CONTRACT 3

Project Title: Covered Species Analysis Support
Project Number: 2011-SWECO-901B
Project Vendor: Southwest Ecology, LLC
Funding: \$460,256.47
Funding Source: S10, 2011-2013 IPB
Contract Term: 1/14/2016 to 2/1/2018

Accomplishments

- Provide support toward the evaluation of covered species
- Created new and updated species accounts for 56 species considered for coverage under the amended MSHCP. The species accounts provide information about current regulatory status, population trends, distribution and habitat use within the County, and threats, which will aid in completing the analysis of covered species
- This project will also create 31 new species distribution models and provide review and assessment of 25 existing species distribution models. To date, 25 of the 31 new models have been completed and 20 of the 25 existing models have been reviewed

CONTRACT 4

Project Title: GIS Data Management and Needs Assessment
Project Number: 2011-TSG-901C
Project Vendor: Terraspectra Geomatics
Funding: \$13,232.00
Funding Source: S10, 2011-2013 IPB
Contract Term: 7/31/2015 to 3/31/2016

Accomplishments

- Conducted a basic program-level assessment of geospatial datasets and GIS software used by the Desert Conservation Program
- Developed recommendations for implementing additional GIS applications under an amended MSHCP
- Developed geospatial data management guidelines for program staff
- Updated geospatial data management guidelines for contractors

CONTRACT 5

Project Title: Economic Analysis of a Regional HCP
Project Number: 2013-AA-1460B
Project Vendor: Applied Analysis
Funding: \$49,100.00
Funding Source: S10, 2011-2013 IPB
Contract Term: 3/7/2017 to 8/31/2017

Accomplishments

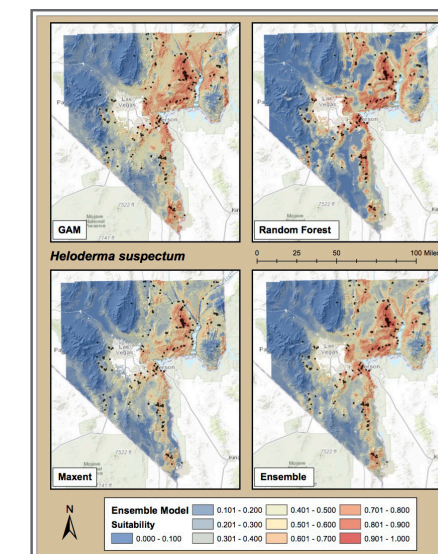
- Provided an independent economic analysis of the MSHCP. The results of this analysis will be shared with local developers, stakeholders, government decision-makers, and regulatory agencies to support negotiations for an amended MSHCP
- Completed the draft economic analysis report. The final report will be completed in the first quarter of the next biennium

CONTRACT 6

Project Title: HCP Consultant for the MSHCP Amendment
Project Number: 2013-WRA-1460A
Project Vendor: WRA Environmental Consultants
Funding: \$400,000.00
Funding Source: S10, 2013-2015 IPB
Contract Term: 3/21/2017 to 1/31/2022

Accomplishments

- Provides a team of experts that can assist the County with reviewing, updating, and finalizing the amended MSHCP, and in preparing supplemental analyses and/or reports that support negotiations for an amended permit
- Contract was kicked off in early 2017
- Developed a Work Plan and proposed schedule
- Re-initiated discussion and negotiations with U.S. Fish and Wildlife Service



Species distribution models created for the covered species analysis project.

BOULDER CITY CONSERVATION EASEMENT

In 1995 Clark County purchased an easement near Boulder City known today as the Boulder City Conservation Easement (BCCE). The purpose of the BCCE is to:

...ensure that the property is retained in a natural condition, and to prevent any uses that will impair the conservation, protection, restoration and enhancement of the natural resource values, especially those values associated with habitat for the desert tortoise and other indigenous flora and fauna.

The BCCE covers 86,423 acres and is located south of the populated area of Boulder City. The area is highly accessible, with over 95 miles of open roads, numerous energy developments, and BLM rights-of-way — all of which combine to make management of the BCCE for the protection of desert tortoise a challenge. Despite these challenges, significant improvement in the quality of habitat has been seen over the last several years through increased law enforcement presence, education and outreach, and active restoration of areas damaged by unauthorized use.

The recently updated BCCE Management Plan guides the overall management of the Easement and outlines specific objectives to achieve the goals of the MSHCP. Part of the plan calls for law enforcement officials to regularly patrol the BCCE. Other activities guided by the Management Plan include regular repair and maintenance of over 180 signs, installation of interpretive kiosks at key access entry points, weed inventory and control, restoration of habitat damaged by recreation activities and construction, and installation of desert tortoise fencing and guards.

The BCCE has also provided a valuable space to conduct a number of research projects that benefit covered species. Currently, the desert tortoise occupancy sampling project, desert tortoise habitat covariates project, and desert tortoise predation studies are ongoing within the Easement.



Desert tortoise observed by law enforcement officer while conducting patrols of the BCCE.

Program Area: Management of the Boulder City Conservation Easement (BCCE)

BCCE Project 1: BCCE Management

Project Contact: John Brekke
Environmental Specialist
702.455.2722
Brekke@ClarkCountyNV.gov

Background and Need for Project

The purpose of this project is to ensure that the BCCE is retained in a natural condition and to prevent any uses that will impair the conservation, protection, restoration and enhancement of the natural resource values, especially those values associated with habitat for the desert tortoise and other indigenous flora and fauna.

CONTRACT 1

Project Title: BCCE Weed Survey
Project Number: 2015-NPS-714K
Project Vendor: National Park Service
Funding: \$90,875.00
Funding Source: S10, 2007-2009 IPB
Contract Term: 1/21/2014 to 1/31/2017

Accomplishments

- Completed Annual Work Plan
- Completed Data Management Plan
- Completed dust prevention and mitigation guidance
- Designated personnel to project which included orientation and training
- Deployed field crews and implemented project
- Completed Winter Weed Survey
- Completed Winter Weed Control
- Collected and submitted annual project data
- Input and organized field data into electronic format and database
- Completed Spring and Summer Weed Treatments
- Developed a plant species inventory list for the BCCE

CONTRACT 2

Project Title: BCCE Site Rehabilitation & Cleanup
Project Number: 2011-NDF-910B
Project Vendor: Nevada Division of Forestry
Funding: \$22,000.00
Funding Source: S10, 2007-2009 IPB
Contract Term: 8/27/2013 to 6/26/2017

Accomplishments

- Installed cable barriers across closed cattle guards
- Fix pet cemetery fence
- Installed two large 6' by 4' signs on Eldorado Valley Drive
- Cleaned up illegal shooting area trash

CONTRACT 3

Project Title: Cattleguard Clean, Erosion Prev & C.B Rpr
Project Number: 2011-MAILE-910N
Project Vendor: Maile Concrete
Funding: \$1,450.00
Funding Source: S10, 2007-2009 IPB
Contract Term: 3/15/2016 to 6/30/2016

Accomplishments

- Clean cattle guard and repaired eroded roadway



National Park Service Exotic Plants Management Team conducting invasive weed treatments at the BCCE.



View of the BCCE.

CONTRACT 4

Project Title: BCCE Weed Survey
Project Number: 2011-NPS-910R
Project Vendor: National Park Service
Funding: \$35,000.00
Funding Source: S10, 2007-2009 IPB
Contract Term: 11/1/2016 to 10/15/2017

Accomplishments

- Completed Annual Work Plan
- Completed Data Management Plan
- Completed Winter Weed Survey
- Collected project data

CONTRACT 5

Project Title: BCCE Restore & Repair
Project Number: 2011-MULLER-910S
Project Vendor: Muller Construction
Funding: \$14,285.34
Funding Source: S10, 2007-2009 IPB
Contract Term: 10/5/2016 to 10/31/2017

Accomplishments

- Cleaned out two cattle guards and added rock to roadway to mitigate against flood damage

CONTRACT 6

Project Title: BCCE Trans Line Alt Route Feasibility Assessment
Project Number: 2011-POWER-910L
Project Vendor: Power Engineers, Inc.
Funding: \$18,230.00
Funding Source: S10, 2007-2009 IPB
Contract Term: 10/16/2015 to 12/15/2015

Accomplishments

- Conducted a review of potential alternative alignments for transmission lines proposed for construction within the BCCE

Associated Purchase Orders

Project Number	Vendor	Title	Funding Amount	Funding Source
2013-BERNTSEN-1420G	Berntsen International, Inc.	Acquisition of Signs for the BCCE	\$3,323.34	Section 10, 2013-2015 biennium
2013-SIGNARAMA-1420H	Signarama	BCCE 25 mph Decals for Route Signage	\$150.00	Section 10, 2013-2015 biennium
2011-VISTA-9100	Vista Landscape Centers	Erosion Restoration Rock	\$638.00	Section 10, 2011-2013 biennium
2011-PICTO-910P	Pictographic	Updated Limited Use Signs	\$1,165.00	Section 10, 2011-2013 biennium
2013-AMEX-1420D	American Express	Reserves Maintenance & Tools	\$2,400.00	Section 10, 2013-2015 biennium
2013-AMEX-1420F	American Express	Reserves Maintenance & Tools - FY17	\$2,400.00	Section 10, 2013-2015 biennium
2009-FORESTRY-809K	Forestry Suppliers	Supplies Acquisition	\$415.28	Section 10, 2009-2011 biennium

Program Area: Management of the Boulder City Conservation Easement (BCCE)

BCCE Project 2: BCCE Law Enforcement

Project Contact: John Brekke
Environmental Specialist
702.455.2722
Brekke@ClarkCountyNV.gov

Program Area: Management of the Boulder City Conservation Easement (BCCE)

BCCE Project 3: Energy Zone Fencing

Project Contact: John Brekke
Environmental Specialist
702.455.2722
Brekke@ClarkCountyNV.gov

Background and Need for Project

Clark County purchased the BCCE in July 1995 from the City of Boulder City as a partial mitigation for activities conducted under the MSHCP. The conservation easement agreement requires that Clark County provide peace officer patrols of the property on a regular basis to enforce applicable ordinances, resolutions, orders, regulations, and prohibited uses.

CONTRACT 1

Project Title: BCCE Law Enforcement
Project Number: 2013-BC-1420A
Project Vendor: City of Boulder City
Funding: \$282,876.00
Funding Source: S10, 2013-2015 IPB
Contract Term: 8/13/2013 to 9/30/2015

Accomplishments

- Patrolled the BCCE for 2,646 hours
- Travelled 28,679 miles on the various dirt roads within the BCCE
- Contacted 849 persons who were using the BCCE for valid, legal purposes
- Provided 659 maps and brochures to interested persons in the BCCE

CONTRACT 2

Project Title: BCCE Law Enforcement
Project Number: 2015-BC-1510A
Project Vendor: City of Boulder City
Funding: \$252,124.00
Funding Source: S10, 2013-2015 IPB and 2015-2017 IPB
Contract Term: 8/5/2017 to 10/31/2017

Accomplishments

- Patrolled the BCCE for 3,022 hours
- Travelled 33,629 miles on the various dirt roads within the BCCE
- Contacted 299 persons who were using the BCCE for valid, legal purposes
- Provided 341 maps and brochures to interested persons in the BCCE



Desert tortoise discovered under the tire of the law enforcement officer's vehicle - always check under your vehicle when travelling in desert tortoise habitat.

Background and Need for Project

Located within the BCCE is an area of 3,064 acres excluded from the conservation easement that were designated by Boulder City for energy development — an area commonly referred to as the Energy Zone. To provide for adequate protection of sensitive species using the habitat that surrounds the Energy Zone, the Desert Conservation Program began construction a desert tortoise exclusionary fence around the Energy Zone and associated access road (Eldorado Valley Drive). The goal of this project is to enhance management and protection of desert tortoises and other sensitive species on the BCCE and to prevent desert tortoises from wandering into the Energy Zone.

CONTRACT 1

Project Title: Energy Zone Fencing
Project Number: 2009-MULLER-804F
Project Vendor: Muller Construction
Funding: \$543,698.37
Funding Source: S10, 2009-2011 IPB; 2013-2015 IPB; and 2015-2017 IPB
Contract Term: 6/1/2016 to 12/31/2017

Accomplishments

- Completed survey to mark location of tortoise fencing, guards and culvert around the Energy Zone
- Completed fencing in the two Copper Mountain areas
- Completed 80 percent of fence around the Energy Zone

CONTRACT 2

Project Title: SW Gas Line Civil Plans
Project Number: 2009-JJLA-804D
Project Vendor: John Jones Landscape Architect, PLLC
Funding: \$13,570.00
Funding Source: S10, 2009-2011 IPB
Contract Term: 10/23/2015 to 6/30/2016

Accomplishments

- Completed a topographic survey of the project alignment
- Completed structural plans
- Conducted potholing of existing utilities
- Prepared civil improvement plans



New desert tortoise guard constructed at an Energy Zone access point.



Culvert constructed along Eldorado Valley Drive that will allow for habitat connectivity between the north and south sides of the road.

CONTRACT 3

Project Number: 2009-JJLA-804G
Project Vendor: John Jones Landscape Architect, PLLC
Funding: \$1,700.00
Funding Source: S10, 2009-2011 IPB
Contract Term: 7/14/2016 to 6/30/2017

Accomplishments

- Revised Civil Plans to address security concerns

CONTRACT 4

Project Title: DT Culvert Engineering Specifications
Project Number: 2011-JJLA-901E
Project Vendor: John Jones Landscape Architect, PLLC
Funding: \$1,850.00
Funding Source: S10, 2009-2011 IPB
Contract Term: 8/3/2015 to 7/31/2016

Accomplishments

- Created Culvert Specifications
- Created Culvert Engineering Plans



Wooden fence posts were used in select areas to avoid interference with underground communication lines.

Program Area: Management of the Boulder City Conservation Easement (BCCE)

BCCE Project 4: BCCE Outreach

Project Contact: John Brekke
Environmental Specialist
702.455.2722
Brekke@ClarkCountyNV.gov

Background and Need for Project

The goal of this project is to inform and educate the public about the purpose of the BCCE and rules and regulations for travel, construction, and recreation activities within the Easement to reduce the incidence of unauthorized activities and improve habitat conditions for native species.

CONTRACT 1

Project Title: Gabion Style Kiosk Build & Install
Project Vendor: Maile Concrete
Funding: \$7,800.00
Funding Source: 10, 2011-2013 IPB and SNPLMA Round 12
Contract Term: 8/17/2015 to 9/1/2015

Accomplishments

- Constructed, as per engineering specifications, one gabion-styled kiosk on the BCCE
- Install rock parking area for vehicles to pull off of the road and read view the kiosk



Gabion kiosk constructed along Route G in the BCCE.

CONTRACT 2

Project Title: Gabion Kiosk Connectors & Supports
Project Number: 2011-MAILE-910K
Project Vendor: Maile Concrete
Funding: \$725.00
Funding Source: S10, 2011-2013 IPB
Contract Term: 9/24/2015 to 6/30/2016

Accomplishments

- Built and installed sign connectors on four sides of the gabion kiosk

CONTRACT 3

Project Title: BCCE Informative Video
Project Number: 2011-RADIO-910M
Project Vendor: Radioactive Productions (MXT Media)
Funding: \$10,750.00
Funding Source: S10, 2011-20013 IPB
Contract Term: 3/24/2016 to 9/30/2016

Accomplishments

- Created storyboard for BCCE informational video
- Created an approximately 12 minute informative video on the BCCE
- Created multiple copies of final video in Spanish and English on DVD and USB Drive media for distribution



Gabion kiosk constructed along Route G in the BCCE.

Associated Purchase Orders

Project Number	Vendor	Title	Funding Amount	Funding Source
2011-KVO-910J	KVO Industries	Gabion Kiosk Signage	\$2,660.00	Section 10, 2011-2013 biennium
2011-COPPER-910Q	Copper State Bolt & Nut	Acquisition of Nuts & Bolts	\$22.67	Section 10, 2011-2013 biennium

RIPARIAN RESERVES

Condition K of the Incidental Take Permit requires the Desert Conservation program to acquire private lands in desert riparian habitats on the Virgin River, Muddy River, and Meadow Valley Wash watersheds to conserve habitat for riparian birds covered by the MSHCP. In 2012, the Desert Conservation Program established the Clark County Riparian Reserve Units to meet this condition of the permit and to restore and preserve desert riparian habitat within the Muddy and Virgin River watersheds. The Muddy River Reserve Unit and the Virgin River Reserve Unit (collectively, the Riparian Reserve Units) were established for the protection of six sensitive bird species covered under the MSHCP. These species include the endangered southwestern willow flycatcher, the threatened yellow-billed cuckoo, Arizona Bell's vireo, blue grosbeak, summer tanager, and vermilion flycatcher.

The 118-acre Muddy River Reserve Unit is in the Upper Muddy River watershed, downstream from both the Moapa Valley National Wildlife Refuge and the Warm Springs Natural Area, and upstream of the Overton Wildlife Management Area. Home to eight endemic fish and invertebrate species, the Muddy River flows along the Reserve Unit and down through Overton. The Reserve Unit is ideally located along the river to provide opportunities to enhance and increase habitat for covered riparian birds and other sensitive species in the riparian corridor.

Clark County is actively expanding its land holdings along the Virgin River. At the time of this writing, the Virgin River Reserve Unit consisted of approximately 448 acres spread across three geographic areas along the Virgin River: the Bunkerville area, the Riverside area, and the Mormon Mesa area. Additional properties currently being considered for acquisition could add as much as 200 acres to the reserve unit.



Equipment used to install piezometer groundwater monitoring wells.

Program Area: Management of Riparian Reserve Units

Riparian Project 1: Management of the Riparian Reserve Units

Project Contact: Caryn Wright
Environmental Specialist
702.455.2972
Caryn.Wright@ClarkCountyNV.gov

Background and Need for Project

This project provides for ongoing monitoring, maintenance, and management of the Riparian Reserve Units to ensure the properties' value for species covered by the MSHCP and to facilitate successful restoration activities.

CONTRACT 1

Project Title: MR Reserve Fence & Gate Installation
Project Number: 2009-TIBERTI-804E
Project Vendor: Tiberti Fence Company
Funding: \$7,330.00
Funding Source: S10, 2009-2011 IPB
Contract Term: 1/19/2016 to 4/30/2016

Accomplishments

- Installed fencing and three gates at the Muddy River Reserve

CONTRACT 2

Project Title: Muddy River Weed Management
Project Number: 2011-NPS-915A
Project Vendor: National Park Service
Funding: \$108,000.00
Funding Source: S10, 2011-2013 IPB
Contract Term: 2/19/2013 to 10/30/2015

Accomplishments

- Completed Annual Work Plans
- Completed Winter Weed Survey
- Completed Winter Weed Control
- Collected project data and submitted 2014 Annual Project Data
- Input and organized field data into electronic format and database
- Input and processed 2015 winter weed control and survey data
- Organized and labeled photo database

CONTRACT 3

Project Title: Muddy River Weed Removal
Project Number: 2015-PIC-1520C
Project Vendor: Partners in Conservation
Funding: \$6,750.00
Funding Source: S10, 2011-2013 IOPB and 2015-2017 IPB
Contract Term: 1/22/2016 to 4/15/2016

Accomplishments

- Cut down dried weeds and removed them from the site, thereby eliminating the fire hazard
- Removed trash and dead branches from the property
- Mended fences



London rocket chaff on the Muddy River Reserve Unit following a strong summer germination of weedy species on the property.



Desert Conservation Program staff work to clean up weedy species on the Muddy River Reserve Unit.

CONTRACT 4

Project Title: Muddy River Weed Management
Project Number: 2015-NPS-1520B
Project Vendor: National Park Service
Funding: \$208,000.00
Funding Source: S10, 2015-2017 IPB
Contract Term: 11/10/2015 to 12/31/2018

Accomplishments

- Completed work plan
- Completed data management plan
- Oriented and trained personnel
- Deployed field crews to begin project implementation
- Collected project data
- Input and organized field data into electronic format and database
- Completed winter weed survey and control
- Completed spring/summer weed treatment

CONTRACT 5

Project Title: Riparian Property Maintenance
Project Number: 2015-MCCOR-1520J
Project Vendor: L.J. McCormick Enterprises Inc.
Funding: \$36,200.00
Funding Source: S10, 2015-2017 IPB
Contract Term: 8/19/2016 to 10/6/2017

Accomplishments

- Conducted weekly inspections of properties
- Maintained fencing, signage, and gates
- Removed trash and debris from reserve units

Associated Purchase Orders

Project Number	Vendor	Title	Funding Amount	Funding Source
2015-REPUBLIC-1520D	Republic Services	Dumpster Rental for MR Weed Removal	\$3,421.78	Section 10, 2015-2017 biennium
2015-WHITNEY-1520E	Whitney's Water Systems, Inc.	Muddy River Backflow Test	\$98.00	Section 10, 2015-2017 biennium
2015-WHITNEY-1520G	Whitney's Water Systems, Inc.	Muddy River Pump Diagnostic	\$3,240.50	Section 10, 2015-2017 biennium
2015-WHITNEY-1520K	Whitney's Water Systems, Inc.	Muddy River Pump	\$8,042.00	Section 10, 2015-2017 biennium
2015-WHITNEY-1520L	Whitney's Water Systems, Inc.	Backflow Test and Repair	\$148.00	Section 10, 2015-2017 biennium
2013-FORESTRY-1445G	Forestry Suppliers	Acquisition of Field Supplies	\$808.99	Section 10, 2013-2015 biennium
2015-FORESTRY-1520F	Forestry Suppliers	Acquisition of Hip Waders	\$256.06	Section 10, 2015-2017 biennium



Surveying the Muddy River restoration site.



Clearing tamarisk on the Muddy River Reserve Unit.

Program Area: Management of Riparian Reserve Units

Riparian Project 2: Virgin River Integrated Watershed Planning

Project Contact: Caryn Wright
Environmental Specialist
702.455.2972
Caryn.Wright@ClarkCountyNV.gov

Background and Need for Project

The Desert Conservation Program is a member of the Virgin River Conservation Partnership, a collaboration of federal, state, and local government agencies, nonprofit organizations, and individuals that work together to develop and implement a comprehensive conservation and management strategy for the Lower Virgin River ecosystem and its tributaries. The development and implementation of a comprehensive watershed plan will allow for improved coordination of conservation and restoration activities across the watershed. The goal of this project is to facilitate the initial phase of the development of a preliminary comprehensive watershed plan for the Lower Virgin River Watershed.

CONTRACT 1

Project Title: Lower Virgin River Integrated Watershed Plan
Project Number: 2013-TNC-1445F
Project Vendor: The Nature Conservancy
Funding: \$10,000.00
Funding Source: S10, 2013-2015 IPB
Contract Term: 5/1/2017 to 1/15/2019

Accomplishments

- A core steering committee has been established
- Three scoping meetings have been scheduled for later this year



View of the Virgin River well site.



View of the Virgin River.

Program Area: Management of Riparian Reserve Units

Riparian Project 3: Muddy River Restoration, Parcels A-E

Project Contact: Caryn Wright
Environmental Specialist
702.455.2972
Caryn.Wright@ClarkCountyNV.gov

Background and Need for Project

To assist with land management goals for the Riparian Reserve Units, the Desert Conservation Program is undertaking a habitat restoration project to enhance and expand existing habitat for the Southwestern Willow Flycatcher and other covered species. This project includes the preparation of a grading design for approximately 25 acres in Parcels A-E, which is intended to restore the hydraulic connection of the Muddy River floodplain to the existing river channel.

CONTRACT 1

Project Title: Cultural Resources Class I MR Props
Project Number: 2011-KLA-915H
Project Vendor: Knight & Leavitt Associates
Funding: \$1,560.00
Funding Source: S10, 2011-2013 IPB
Contract Term: 12/17/2014 to 2/28/2016

Accomplishments

- Completed a Class I cultural resource literature review to prepare an inventory of cultural resources on the Muddy River Reserve Unit

CONTRACT 2

Project Title: Geotech & Conceptual Grading Plan Recommendations
Project Number: 2013-STILLWATER-1446A
Project Vendor: Stillwater Sciences
Funding: \$22,324.00
Funding Source: SNPLMA Round 14
Contract Term: 5/1/2015 to 8/31/2015

Accomplishments

- Installed piezometer wells to monitor groundwater level fluctuations in the project area
- Conducted field and laboratory-based soils characterization
- Conducted a geotechnical assessment of Parcels A, B, and E with conceptual grading plan recommendations intended to assist the Desert Conservation Program with development of site-design options to cost-effectively maximize the creation and enhancement of riparian, wetland, and upland habitat, with a focus on avian species

CONTRACT 3

Project Title: Muddy River Grading Plan
Project Number: 2007-BERGER-722K
Project Vendor: Louis Berger Engineering
Funding: \$111,325.65
Funding Source: S10, 2007-2009 IPB; 2009-2011 IPB; and 2013-2015 IPB
Contract Term: 7/1/2016 to 8/29/2017

Accomplishments

- Prepared 30 percent conceptual design grading plan
- Prepared a construction permitting matrix, identifying permitting needs, timeframes, and identifying responsible parties
- 60 percent, 90 percent, and final design plan development is ongoing



Clearing tamarisk on the Muddy River Reserve Unit.

Program Area: Area: Management of Riparian Reserve Units

Riparian Project 4: Muddy River Restoration, Parcels G-I

Project Contact: Caryn Wright
Environmental Specialist
702.455.2972
Caryn.Wright@ClarkCountyNV.gov

Program Area: Management of Riparian Reserve Units

Riparian Project 5: Restoration on the Virgin River Reserve Unit, Subunit 1

Project Contact: Caryn Wright
Environmental Specialist
702.455.2972
Caryn.Wright@ClarkCountyNV.gov

Background and Need for Project

To assist with land management goals for the Riparian Reserve Units, the Desert Conservation Program is undertaking a habitat restoration project to remove invasive tamarisk and other weedy species and enhance and expand native species habitat for covered birds within the remote properties of the Muddy River Reserve Unit (parcels G-I).

CONTRACT 1

Project Title: Muddy River Restoration Plan
Project Number: 2013-PHILLIPS-1446C
Project Vendor: Fred Phillips Consulting, LLC
Funding: \$23,999.75
Funding Source: SNPLMA Round 14
Contract Term: 6/5/2017 to 9/22/2017

Accomplishments

- Contract awarded
- Development of a restoration plan to meet restoration goals for Parcels G-I is currently ongoing



View of the Muddy River well site.



View of the Virgin River.

Background and Need for Project

Restoration efforts on the Virgin River Reserve Units are ongoing and habitat has been enhanced through fuel reduction, removal of non-native species, and planting of native species. This project will expand on the work begun in previous biennia by conducting additional restoration efforts.

CONTRACT 1

Project Title: VR Baseline Conditions Assessment
Project Number: 2015-STILLWATER-1521A
Project Vendor: Stillwater Sciences
Funding: \$22,352.00
Funding Source: SNPLMA Round 15
Contract Term: 9/9/2016 to 2/28/2017

Accomplishments

- Completed an ecohydrological assessment of the Mesquite reach of the Virgin River, which included developing detailed maps of relative elevation, vegetation composition and structure, and potential sources of water with return flow from irrigation diversions — these data were then combined with existing information on vegetation types, soils, flood dynamics, and southwestern willow flycatcher habitat data to assess ecohydrological potential for restoration
- Assessment will be used to assist with restoration planning and property acquisition prioritization and planning

CONTRACT 2

Project Title: VR Rest Plan -Mormon Mesa Ph 1
Project Number: 2015-SWCA-1521B
Project Vendor: SWCA Environmental Consultants
Funding: \$7,588.00
Funding Source: SNPLMA Round 15
Contract Term: 4/25/2017 to 8/31/2017

Accomplishments

- Contract awarded, project is ongoing
- Conduct a review of site conditions and update a 2013 restoration plan to prioritize restoration areas on the property, including recommendations for native plant species, planting methods, source stock, planting zones, etc. to guide subsequent restoration implementation



View of a small-scale restoration site on the Virgin River conducted in 2013, 1 year post-restoration.



View of a potential restoration area on the Virgin River Reserve Unit.

Program Area: Management of Riparian Reserve Units

Riparian Project 6: Riparian Property Acquisition

Project Contact: Caryn Wright
Environmental Specialist
702.455.2972
Caryn.Wright@ClarkCountyNV.gov

Background and Need for Project

Condition (K)(1) of the incidental take permit requires the County to acquire private lands with desert riparian habitat from willing sellers to support the six covered riparian bird species. Desert Conservation program staff evaluated and prioritized properties based on habitat and conservation potential for the bird(s), and ease and cost of management.

Accomplishments

Offer letters have been submitted for the following properties in Bunkerville on a willing seller-willing buyer basis: 002-26-301-004 (15.59 acres), 002-26-301-005 (23.7 acres), 002-26-401-001 (60.3 acres), and 002-27-801-002 (40 acres). Offer letters have also been submitted for the following properties in Riverside on a willing seller-willing buyer basis: 034-00-001-013 (39.85 acres) and 034-00-001-019 (100 acres)

Associated Purchase Orders

Project Number	Vendor	Title	Funding Amount	Funding Source
2011-STANLEY-917AB	Stanley Consultants, Inc.	Boundary Survey APN 002-24-601-021	\$5,610.00	Section 10, 2011-2013 biennium
2011-STANLEY-917AC	Stanley Consultants, Inc.	Boundary Surveys and Parceling for VR Props	\$11,820.00	Section 10, 2011-2013 biennium
2011-STANLEY-917EC	Stanley Consultants, Inc.	Boundary Surveys and Parceling for VR Props	\$11,820.00	Section 10, 2011-2013 biennium
2011-STANLEY-917MB	Stanley Consultants, Inc.	Parceling for Bunkerville Property	\$15,760.00	Section 10, 2011-2013 biennium
2011-CEDAR1-917BC	Anderson Valuation Group	Appraisal Report for APN 002-26-501-009	\$1,750.00	Section 10, 2011-2013 biennium
2011-HAVE-917CC	Anderson Valuation Group	Appraisal Report for APN 002-27-801-002	\$1,750.00	Section 10, 2011-2013 biennium
2011-STANLEY-917DB	Stanley Consultants, Inc.	Boundary Survey APN 002-26-301-004 & 005	\$11,220.00	Section 10, 2011-2013 biennium
2011-REIDI-917DC	Anderson Valuation Group	Appraisal Rpt for APN 002-26-301-004 & 005	\$3,500.00	Section 10, 2011-2013 biennium
2011-STANLEY-917EB	Anderson Valuation Group	Boundary Survey APN 002-26-701-001	\$5,610.00	Section 10, 2011-2013 biennium
2011-CEDAR2-917FC	Anderson Valuation Group	Appraisal Rpt for APN 002-26-401-001	\$1,750.00	Section 10, 2011-2013 biennium
2011-COYOTE-917GC	Anderson Valuation Group	Appraisal Rpt for APN 001-19-201-009	\$1,750.00	Section 10, 2011-2013 biennium
2011-DRB-917KA	Anderson Valuation Group	Appraisal Rpt for APN 034-00-001-013 & 019	\$3,500.00	Section 10, 2011-2013 biennium
2011-HAPPY-917LA	Anderson Valuation Group	Appraisal Rpt for APN 034-00-001-014, 021 & 39	\$5,250.00	Section 10, 2011-2013 biennium
2011-BUNKCORP-917MA	Anderson Valuation Group	Appraisal Rpt for APN 002-25-501-13, 002-25-601-031, 002-27-801-002	\$5,250.00	Section 10, 2011-2013 biennium

Program Area: Management of Riparian Reserve Units

Riparian Project 7: Management of Water Rights

Project Contact: Caryn Wright
Environmental Specialist
702.455.2972
Caryn.Wright@ClarkCountyNV.gov

Background and Need for Project

Clark County has acquired surface and ground water right permits as a result of property acquisition and purchasing grazing permits and grazing allotments. To maintain the good standing of these County-owned water right permits, proofs of completion of work, proofs of beneficial use, extensions of time for submittal of documents, and applications to change point of diversion and manner of use needed to be filed with the Nevada Division of Water Resources (NDWR).

CONTRACT 1

Project Title: Water Rights Consulting -2013
Project Number: 2009-BUSCH-805Q
Project Vendor: Michael Buschelman Consulting, Inc
Funding: \$35,500.00
Funding Source: S10, 2009-2011 IPB
Contract Term: 6/12/2013 to 10/30/2016

CONTRACT 2

Project Title: Water Rights Consulting
Project Number: 2013-FARRWEST-1445E
Project Vendor: Farr West Engineering
Funding: \$20,543.30
Funding Source: S10, 2009-2011 IPB and 2013-2015 IPB
Contract Term: 6/12/2013 to 10/30/2016

Accomplishments

- Fifty-four (54) applications to change use were prepared and submitted to NDWR proposing to change the manner of use of each water right from stock watering to wildlife purposes
- Certificates of Appropriation have been issued by the NDWR for the 54 wildlife water right permits

Accomplishments

- Reviewed proposed bills affecting the county in the 2017 legislative session — a summary of findings was provided to county
- Reviewed ground, surface, and spring water rights inventory and will assist the Desert Conservation Program with transfer of sources the county does not wish to retain



View of recently acquired riparian property in the Bunkerville area.

Associated Purchase Orders

Project Number	Vendor	Title	Funding Amount	Funding Source
2013-NV-1440B	Nevada Division of Water Resources	Water Rights Fees - FY16	\$8,600.00	Section 10, 2013-2015 biennium
2013-NV-1140C	Nevada Division of Water Resources	Water Rights Permit Fees - FY17	\$8,600.00	Section 10, 2013-2015 biennium

PUBLIC INFORMATION, EDUCATION, AND OUTREACH

An essential component of the Desert Conservation Program is a Public Information, Education, and Outreach program. Public information, education, and outreach efforts focus on three themes:

1. Informing people of the purpose of the Clark County MSHCP and the roles and functions of the Desert Conservation Program;
2. Encouraging people to respect, protect, and enjoy the desert; and
3. Increasing public understanding of the value of Clark County's natural ecosystems.

DCP staff accomplish these goals by implementing a variety of outreach projects. Some examples of the work conducted in this program include the Mojave Max education program, Mojave Max mascot appearances at public events, and social media outreach on Facebook, Twitter, and Instagram. The program also distributes information through its websites and a variety of education materials, videos, and outreach campaigns that spread messages on environmental topics throughout the year.



Mojave Max Education Program, winners field trip.

Program Area: Public Information, Education, and Outreach

PIE Project 1: Mojave Max Education Program

Project Contact: Heather Green
Management Analyst II
702.455.1605
HYG@ClarkCountyNV.gov

Background and Need for Project

The Clark County Desert Conservation Program is required to provide public information and education under the terms of the existing MSHCP. One component of the public information and education program is the Mojave Max Education Program, which takes assemblies into various Clark County Schools each year to inform and educate elementary-aged students to increase public understanding of the value of Clark County's natural ecosystems. Mojave Max the mascot also spreads the message to a wide segment of the general population by participating in various outreach events throughout the Las Vegas valley.

CONTRACT 1

Project Title: Mojave Max Education Program
Project Number: 2013-RRCIA-1430A
Project Vendor: Red Rock Canyon Interpretive Association
Funding: \$170,000.00
Funding Source: S10, 2013-2015 IPB
Contract Term: 8/1/2013 to 7/31/2015

Accomplishments

- Provided classroom presentations to 484 classes, reaching 10,857 students
- Hosted 24 Clark County school assemblies, reaching an additional 217 classes and 5,196 students
- Participated in 55 community events
- Received 3,987 entries in the 2014 and 5,553 entries in the 2015 Mojave Max Emergence Contests
- Made a number of updates to the Mojave Max collateral, introducing a new look for the Mojave Max caricature

CONTRACT 2

Project Title: Mojave Max Education Program
Project Number: 2015-RRCIA-1515A
Project Vendor: Southern Nevada Conservancy (formerly Red Rock Canyon Interpretive Association)
Funding: \$180,500.00
Funding Source: S10, 2015-2017 IPB
Contract Term: 7/1/2015 to 7/31/2017

Accomplishments

- Provided classroom presentations to 95 classes, reaching 9,268 students
- Hosted 25 Clark County school assemblies, reaching 6,060 students
- Participated in 52 community events
- Received 4,471 entries in the 2016 and 6,409 entries in the 2017 Mojave Max Emergence Contests

CONTRACT 3

Project Title: Mojave Max High School Pilot Program
Project Number: 2013-RRCIA-1430F
Project Vendor: Red Rock Canyon Interpretive Association
Funding: \$10,468.00
Funding Source: S10, 2013-2015 IPB
Contract Term: 9/1/2014 to 7/15/2015

Accomplishments

- Training and program overview was provided to students at Burk High School
- High school students taught the Mojave Max Education Program to a total of 825 students at six different schools in Clark County
- A total of four outreach events were conducted by the high school students

CONTRACT 4

Project Title: Mojave Max Brochure
Project Number: 2013-PAPER-1430X
Project Vendor: Paper Zombies
Funding: \$1,537.50
Funding Source: S10, 2013-2015 IPB
Contract Term: 9/3/2015 to 6/30/2016

Accomplishments

- Developed a new look for the Mojave Max caricature
- Mojave Max brochures were redesigned to incorporate this new look

CONTRACT 5

Project Title: Graphics Design for Mojave Max Emergence Contest Brochure
Project Number: 2015-PAPER-1515F
Project Vendor: Paper Zombies
Funding: \$75.00
Funding Source: S10, 2015-2017 IPB
Contract Term: 5/2/2016 to 6/30/2016

Accomplishments

- Developed a new look for the Mojave Max caricature
- Mojave Max Emergence Contest brochures were redesigned to incorporate this new look

CONTRACT 6

Project Title: Mojave Max Contest Portal
Project Number: 2015-ZEE-1515H
Project Vendor: Zee Designs, Inc.
Funding: \$20,640.00
Funding Source: S10, 2015-2017 IPB
Contract Term: 5/23/2016 to 9/15/2016

Accomplishments

- Designed and developed a new Mojave Max emergence contest portal where students and teachers would enter their guess as to when Mojave Max would emerge from brumation. The portal was previously managed by the Clark County School District

CONTRACT 7

Project Title: Mojave Max Verification Page
Project Number: 2015-ZEE-1515T
Project Vendor: Zee Designs, Inc.
Funding: \$3,200.62
Funding Source: S10, 2015-2017 IPB
Contract Term: 2/6/2017 to 6/30/2017

Accomplishments

- Added a new verification design feature to the Mojave Max Emergence Contest guess portal which allowed people review and print out their guess(es)



2017 Mojave Max Emergence Contest winner A'Myah Cunningham and her classmates celebrate her win at Red Rock Canyon National Conservation Area.

CONTRACT 8

Project Title: Mojave Max Assembly Power-Point Presentation
 Project Number: 2015-ROBERTSON-1515Y
 Project Vendor: Robertson + Partners
 Funding: \$6,250.00
 Funding Source: S10, 2015-2017 IPB
 Contract Term: 5/16/2017 to 10/31/2017

Accomplishments

- Contracted with Consultant to develop a new Mojave Max PowerPoint presentation. The presentation will align with the new branding effort and incorporate more science-based learning
- The PowerPoint presentation will be completed and submitted in the next biennium

CONTRACT 9

Project Title: Graphics Design for Interpretive Panel
 Project Number: 2013-PAPER-1430AA
 Project Vendor: Paper Zombies
 Funding: \$450.00
 Funding Source: S10, 2013-2015 IPB
 Contract Term: 4/15/2016 to 6/30/2016

Accomplishments

- Provided graphic design services for the design of a new Mojave Max interpretive panel to be used at the Mojave Max habitat

Program Area: Public Information, Education, and Outreach

PIE Project 2: Branding

Project Contact: Heather Green
 Management Analyst II
 702.455.1605
 HYG@ClarkCountyNV.gov

Background and Need for Project

Currently, the Desert Conservation Program's public information and education program consists of the Mojave Max education program (targeted at elementary school-aged children), the production of handouts and giveaways that contain the messages of the Desert Conservation Program, intermittent media campaigns, and staff presence at a variety of community events. The purpose of this project was to develop a targeted, cohesive strategy that would more effectively spread the various messages of the program, with particular focus on targeting activities that threatened covered species' habitats. As part of this effort the DCP also wanted to promote program awareness within the development community which had not previously been one of the targeted audiences. This project was for the development of an overall marketing and branding strategy and methods of increasing awareness of the Mojave Max program and its connection to the Desert Conservation Program.

CONTRACT 1

Project Title: DCP Branding Project
 Project Number: 2015-ROBERTSON-1515C
 Project Vendor: Robertson + Partners
 Funding: \$200,000.00
 Funding Source: S10, 2009-2011 IPB; 2011-2013 IPB; 2013-2015 IPB; and 2015-2017 IPB
 Contract Term: 12/28/2015 to 6/30/2017

Accomplishments

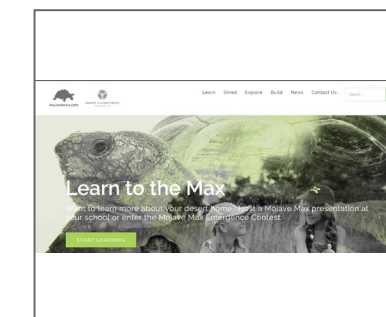
- Developed a new brand and marketing strategy
- Developed a new brand identity which included a new logo
- Developed the "To The Max" tagline to be used across the board and in social media campaigns
- Developed a new look and concept for some work product templates and collateral materials
- Developed a new Mojave Max website which launched in May 2017

Associated Purchase Orders

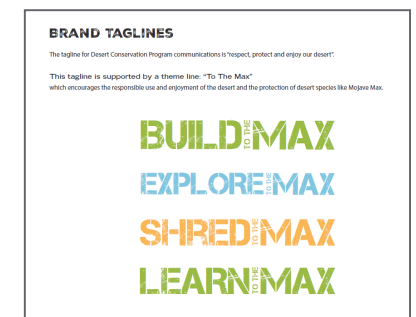
Project Number	Vendor	Title	Funding Amount	Funding Source
2013-JACKSON-1430B	Jackson Media Works	Acquisition of Air Fresheners	\$823.151	Section 10, 2013-2015 biennium
2013-LVTACTICAL-1430V	Las Vegas Tactical, LLC	Acquisition of Mojave Max Patches	\$650.00	Section 10, 2013-2015 biennium
2013-GIFTCO-1430W	GiftCo	Acquisition of Mojave Max Backpacks	\$2,120.00	Section 10, 2013-2015 biennium
2013-BLUETRACK-1430Y	Bluetrack, Inc.	Acquisition of Desert Tortoise Stress Balls	\$2,499.00	Section 10, 2013-2015 biennium
2013-GIFTCO-1430Z	GiftCo	Acquisition of Mojave Max Backpacks	\$2,120.00	Section 10, 2013-2015 biennium
2015-ZEE-1515B	Zee Designs, Inc.	Mojave Max Website Support Services	\$1,101.60	Section 10, 2015-2017 biennium
2015-JACKSON-1515E	Jackson Media Works	Acquisition of Tortoise Paper Clips	\$1,450.00	Section 10, 2015-2017 biennium
2015-ZEE-1515G	Zee Designs, Inc.	Mojave Max Secure Server License	\$352.00	Section 10, 2015-2017 biennium
2015-ZEE-1515J	Zee Designs, Inc.	2017 Mojave Max Website Support Services	\$1,270.60	Section 10, 2015-2017 biennium
2015-ZEE-1515K	Zee Designs, Inc.	Max Live Video Feed	\$507.50	Section 10, 2015-2017 biennium
2015-ZEE-1515L	Zee Designs, Inc.	Max Assembly Application	\$991.25	Section 10, 2015-2017 biennium
2015-SKYHIGH-1515N	Skyhigh Marketing	Acquisition of Lip Moisturizer Balls	\$760.00	Section 10, 2015-2017 biennium
2015-GIFTCO-1515P	GiftCo	Acquisition of Temporary Tattoos	\$103.00	Section 10, 2015-2017 biennium
2015-SKYHIGH-1515Q	Skyhigh Marketing	Acquisition of LED Flashlights	\$1,055.00	Section 10, 2015-2017 biennium
2015-MORGAN-1515R	Morgan Specialties, Inc.	Acquisition of Tortoise Paper Clips	\$2,715.00	Section 10, 2015-2017 biennium
2015-ABUNLIMITED-1515S	AB Limited Worldwide	Acquisition of Learn to the Max Patches	\$1,210.00	Section 10, 2015-2017 biennium
2015-EARTHCAM-1515U	Earthcam, Inc.	Incr Archiving Time on Mojave Max Camera	\$845.00	Section 10, 2015-2017 biennium
2015-LOGO-1515V	Logo Fusion USA, Inc.	Acquisition of Learn to the Max Conf Bags	\$948.00	Section 10, 2015-2017 biennium
2015-LOGO-1515X	Logo Fusion USA, Inc.	Acquisition of Learn to the Max Tablecloth	\$573.00	Section 10, 2015-2017 biennium
2015-ALINCO-1515Z	Alinco, Inc.	Acquisition of Tortoise Costumes	\$4,350.00	Section 10, 2015-2017 biennium
2013-EARTHCAM-1455A	Earthcam, Inc.	Desert Tortoise Habitat Camera	\$18,363.00	Section 10, 2015-2017 biennium
2013-CENTURY-1455B	Centurylink	Low Voltage for DT Habitat Camera	\$5,469.26	Section 10, 2015-2017 biennium
2013-WINDSTREAM-1455C	Windstream	Windstream T1 Line	\$22,500.00	Section 10, 2015-2017 biennium

Associated Purchase Orders

Project Number	Vendor	Title	Funding Amount	Funding Source
2015-ROBERTSON-1515Y	Robertson + Partners	Mojave Max Website Support Services	\$660.00	Section 10, 2013-2015 biennium



New Mojave Max website.



New "To The Max" brand taglines.

Program Area: Public Information, Education, and Outreach

PIE Project 3: 15-Year Anniversary Commemoration

Project Contact: Heather Green
Management Analyst II
702.455.1605
HYG@ClarkCountyNV.gov

Background and Need for Project

In 1999, the Clark County MSHCP was submitted to the U.S. Fish and Wildlife Service and two years later the plan was approved. The Desert Conservation Program, who manages the Endangered Species Act on behalf of all local municipalities and the Nevada Department of Transportation, held a 15-Year anniversary in commemoration of the approval of the MSHCP. This event was held to thank the various stakeholders and regulatory agencies that have contributed to the program over the years and to acknowledge all of the programs' accomplishments over the first 15 years of implementation.

CONTRACT 1

Project Title: 15 Year Anniversary MSHCP Video & Booklet
Project Number: 2015-RADIO-1500H
Project Vendor: Radioactive Productions
Funding: \$21,250.00
Funding Source: S10, 2015-2017 IPB
Contract Term: 9/10/2015 to 2/29/2016

Accomplishments

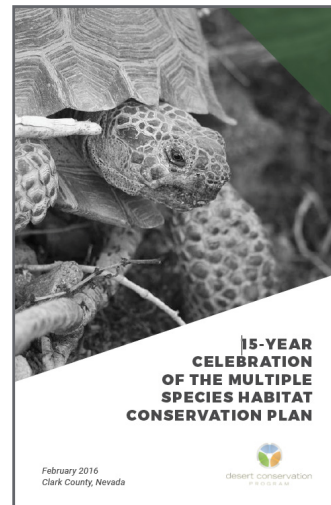
- Produced a video which told the story of the first 15 years of the MSHCP
- Produced a booklet highlighting accomplishments, noteworthy articles, and other artifacts
- Copied and distributed flash drives of the video and copies of the printed booklets to event attendees and for use in other outreach events

CONTRACT 2

Project Title: 15 YR Anniversary MSHCP Event Planning
Project Number: 2015-PURDUE-1500J
Project Vendor: Purdue Marion & Associate
Funding: \$7,500.00
Funding Source: S10, 2015-2017 IPB
Contract Term: 9/15/2015 to 2/29/2016

Accomplishments

- Assisted with the development and production of the event
- Provided planning, managing, and implementation services for the event
- Secured some of the key note speakers for the event



Cover page of the 15-year anniversary booklet.

Associated Purchase Orders

Project Number	Vendor	Title	Funding Amount	Funding Source
2015-SMITH-1500K	Smith Creative Company	15th Anniversary Invite Design	\$1,300.00	Section 10, 2015-2017 biennium
2015-BOUNDLESS-1500P	Boundless Network	Acquisition of Gift Bags & Flash Drives	\$1,739.30	Section 10, 2015-2017 biennium
2015-NSM-1500Q	Nevada State Museum & Historical Society	Event Room for 15th Anniversary Event	\$1,125.00	Section 10, 2015-2017 biennium
2015-DIVINE-1500R	Divine Events	Catering for 15th Anniversary of MSHCP Event	\$4,026.68	Section 10, 2015-2017 biennium
2015-BOUNDLESS-1500S	Boundless Network	Acquisition of Journals and Pens	\$1,585.60	Section 10, 2015-2017 biennium

Program Area: Public Information, Education, and Outreach

PIE Project 4: Desert Tortoise Habitat

Project Contact: Lee Bice
Senior GIS Analyst
702.455.3554
Bice@ClarkCountyNV.gov

Background and Need for Project

The goal of this project was to create a desert tortoise habitat to serve as a refugium for a small population of desert tortoises and to increase public awareness and interest in desert tortoise recovery. A 15-acre habitat was built within the Las Vegas Springs Preserve and five tortoises were introduced to the site. Also associated with this project was the development of interpretive panels and implementation of educational programming to expand public knowledge and support for the recovery of threatened and endangered species.

CONTRACT 1

Project Title: Desert Tortoise Habitat
Project Number: 2007-LVWWD-719Q
Project Vendor: Las Vegas Valley Water District
Funding: \$76,940.00
Funding Source: S10, 2007-2009 IPB
Contract Term: 4/8/2014 to 1/20/2016

Accomplishments

- 15 acre site was established
- 5 desert tortoises were introduced
- Tortoises are monitored for location and health by radio telemetry
- Trail access is provided throughout site and is open to the public
- Educational interpretive sign panels were installed



Interpretive panel constructed at the Las Vegas Springs Preserve desert tortoise habitat.



Las Vegas Springs Preserve desert tortoise habitat site map.

Program Area: Public Information, Education, and Outreach

PIE Project 5: OHV Education and Outreach

Project Contact: Larry Mata
Environmental Specialist
702.455.3964
Mata@ClarkCountyNV.gov

Background and Need for Project

The purpose of this project is to encourage appropriate use of Off Highway Vehicles (OHVs) through outreach in areas where OHVs are used. The project was originally proposed by the Bureau of Land Management (BLM) with the intent to concentrate efforts on high-use locations such as Nellis Dunes, Jean/Roach Special Recreation Management Area, Logandale Trails, the edges of the Las Vegas Valley, and within desert tortoise Areas of Critical Environmental Concern. In September 2011, the BLM notified Clark County that it would no longer directly implement Section 10 mitigation projects under the MSHCP and thus could not implement the project directly. The Desert Conservation Program is repurposing this project to develop and implement an OHV education program in Clark County that will promote responsible OHV recreation.

CONTRACT 1

Project Title: OHV Education
Project Number: 2009-PIC-807B
Project Vendor: Partners in Conservation
Funding: \$2,600.00
Funding Source: S10, 2009-2011 IPB
Contract Term: 2/1/2015 to 10/15/2015

Accomplishments

- Assisted with the development of a marketing strategy to spread the message of responsible OHV use
- A total of six County-led meetings were held and 7 meeting reports were submitted

CONTRACT 2

Project Title: OHV Education
Project Number: 2009-RADIO-807B
Project Vendor: Radioactive Productions (MXT Media)
Funding: \$24,600.00
Funding Source: S10, 2009-2011 IPB
Contract Term: 2/27/2015 to 11/30/2015

Accomplishments

- A total of six County-led meetings were held to develop an OHV market survey questionnaire
- An OHV strategic marketing plan was completed



OHV tracks in desert tortoise habitat.

CONTRACT 3

Project Title: OHV Education - Story Map
Project Number: 2009-POKORNY-807E
Project Vendor: Map Photo Write, LLC
Funding: \$21,170.00
Funding Source: S10, 2009-2011 IPB
Contract Term: 10/10/2016 to 6/30/2017

Accomplishments

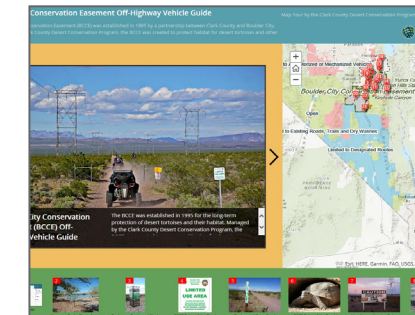
- A story map focused on responsible use of the BCCE was produced
- The story map is available on the Desert Conservation Program website, the Mojave Max website, and the Nevada Commission on OHVs website

CONTRACT 4

Project Title: OHV Registration Program Marketing
Project Number: 2009-RADIO-807D
Project Vendor: Radioactive Productions (MXT Media)
Funding: \$150,000.00
Funding Source: S10, 2009-2011 IPB
Contract Term: 9/14/2016 to 6/30/2018

Accomplishments

- Developed a strategic marketing plan to promote the Nevada Commission on OHV's Registration Program
- Developed a brand identity, including new logos and collateral material
- A website was created that promotes the OHV Registration Program
- Public service announcements, brochures, advertisements, and stickers were also produced



Story map promoting responsible recreation in the BCCE.

WILD DESERT TORTOISE ASSISTANCE

The desert tortoise remains the key species driving the need for the MSHCP and Incidental Take Permit. As such, the Desert Conservation Program implements numerous conservation actions to benefit the desert tortoise and to assist with recovery efforts.

Two of the key projects implemented to reduce the impacts of development on wild desert tortoises include operation of the Wild Desert Tortoise Assistance Line and the implementation of a translocation program, conducted in cooperation with the U.S. Fish and Wildlife Service Desert Tortoise Recovery Office. Additional projects that benefit wild desert tortoise populations include the construction and maintenance of over 400 miles of desert tortoise exclusionary fencing (refer to the report section on Conservation Actions), and a wide variety of desert tortoise monitoring and research projects (refer to report section on the Adaptive Management Program).



Desert tortoise equipped with a radiotransmitter — this allows biologists to track the location of resident and translocated tortoises.

Program Area: Wild Desert Tortoise Assistance

Wild DT Project 1: Wild Desert Tortoise Assistance Hotline

Project Contact: John Brekke
Environmental Specialist
702.455.2722
Brekke@ClarkCountyNV.gov

Background and Need for Project

The 1995 Desert Conservation Plan, 2001 MSHCP (MSHCP) and associated Section 10 Permit require Clark County to provide a hotline and pickup service to deal with wild desert tortoises which are displaced by development or appear to be in harm's way due to construction activity. The Desert Conservation Program operates the Wild Desert Tortoise Assistance Line to meet this requirement.

CONTRACT 1

Project Title: Hotline & Pick-Up Service & Outreach Sessions for Wild Desert Tortoises
Project Number: 2007-KLA-719S
Project Vendor: Knight & Leavitt Associates
Funding: \$34,580.00
Funding Source: S10, 2007-2009 IPB
Contract Term: 7/1/2014 to 10/31/2015

Accomplishments

- 16 Monthly records produced
- 4 Quarterly reports produced
- 32 calls were received on the hotline
- 5 desert tortoise pickups conducted, all of which were adults
- 34 Outreach sessions performed



One of four desert tortoises relocated into the BCCE, collected from a solar energy development project.

CONTRACT 2

Project Title: Hotline and Processing of Wild DTs
Project Number: 2009-KLA-803E
Project Vendor: Knight & Leavitt Associates
Funding: \$213,740.00
Funding Source: S10, 2009-2011 IPB
Contract Term: 11/19/2015 to 10/31/2018

Accomplishments

- 19 Monthly records produced
- 6 Quarterly reports produced
- 17 calls received on the hotline
- 11 desert tortoise pickups conducted, all of which were adults
- 4 of these tortoises were immediately relocated within the BCCE
- 13 Health assessments have been conducted
- 16 Outreach sessions have been performed



A second of four desert tortoises relocated into the BCCE, found on a nearby solar energy development project.

Associated Purchase Orders

Project Number	Vendor	Title	Funding Amount	Funding Source
2015-RPM-1560A	Clark County Real Property Management	County RPM Service Fee	\$5,000.00	Section 10, 2015-2017 biennium

Program Area: Wild Desert Tortoise Assistance

Wild DT Project 2: Translocation

Project Contact: Scott Cambrin
Senior Biologist
702.455.3859
Scott.Cambrin@ClarkCountyNV.gov

Background and Need for Project

Augmenting depleted populations through a strategic program is one of the seven strategic elements in the 2011 Recovery Plan for the Mojave desert tortoise. These projects will support that element of the Recovery Plan through on-the-ground work to monitor release sites in Clark County that are connected to wild populations. The expected benefit is to move closer to using population augmentation as a tool in the recovery of the desert tortoise across its range.

The goal of this project is to assess the success (e.g., survivorship and distribution of translocated versus resident tortoises) of translocation to two sites in Clark County. An increase in tortoises in these areas through augmentation may help to facilitate recovery over time and improve habitat connectivity across the landscape.

CONTRACT 1

Project Title: Eldorado DT Monitoring (Year 0)
Project Number: 2013-GBI-1450A
Project Vendor: Great Basin Institute
Funding: \$250,349.00
Funding Source: S10, 2013-2015 IPB
Contract Term: 3/4/2014 to 7/31/2016

Accomplishments

- Completed initial surveys to determine baseline population densities at the four plots (two treatment plots and two control plots) prior to translocation of tortoise to the two treatment plots
- Walked a total of 412 transects
- Located 84 live tortoise and 82 carcasses during surveys
- Completed health assessments on 56 resident tortoises

CONTRACT 2

Project Title: Eldorado DT Monitoring (Year 1 & 2)
Project Number: 2013-GBI-1451A
Project Vendor: Great Basin Institute
Funding: \$346,050.00
Funding Source: S10, 2013-2015 IPB
Contract Term: 3/27/2015 to 8/15/2016

Accomplishments

- Completed two years of post-translocation density estimates for desert tortoises at the two control and two treatment plots
- Completed 400 transects in year 1 and 413 in year 2 of the project
- Located 75 tortoise on transects during year 1 and 95 tortoise in year 2
- Located 74 carcasses in year 1 and 95 in year 2
- Monitored 12 to 15 tortoises throughout the field season for correction purposes and made 1,605 observations of those tortoises the first year and 1,245 observations the second year

CONTRACT 3

Project Title: DT Telemetry on the BCCE Yr 1
Project Number: 2013-GBI-1450B
Project Vendor: Great Basin Institute
Funding: \$159,930.02
Funding Source: S10, 2007-2009 IPB and 2013-2015 IPB
Contract Term: 11/1/2014 to 10/31/2016

Accomplishments

- Tracked 13 resident tortoises and 40 translocated tortoises for one year post translocation
- Recorded 1,551 observations over 160 field days

CONTRACT 4

Project Title: DT Telemetry on the BCCE (Yr 2 & 3)
Project Number: 2015-GBI-1545A
Project Vendor: Great Basin Institute
Funding: \$341,652.47
Funding Source: S10, IPB
Contract Term: 11/1/2015 to 10/31/2017

Accomplishments

- Tracked 11 residents and 19 translocated tortoises from the beginning of the project, while adding transmitters to an additional 9 resident and 4 translocated animals to the project
- Depending on how missing animals are treated, survivorship of translocated animals falls between 25.6% and 38.5%, whereas the survivorship of residents falls between 69.2% and 84.6%



A biologist uses telemetry to track the location of resident and translocated tortoises.

Program Area: Wild Desert Tortoise Assistance

Wild DT Project 3: Tortoise Sterilization

Project Contact: Scott Cambrin
Senior Biologist
702.455.3859
Scott.Cambrin@ClarkCountyNV.gov

Background and Need for Project

One of the least publicized threats to recovery of the wild desert tortoise is the proliferation of pet desert tortoises within the tortoise's natural range. Management of the pet tortoise population is necessary to reduce the backyard breeding, which is resulting in:

- Thousands of unwanted pet tortoises.
- Higher risk of disease transmission to wild tortoises if released
- Unwanted tortoises released into the wild where they may compete for resources with resident wild populations and cause disruption.

This project will train veterinarians in the proper techniques to perform sterilization on desert tortoises as well as provide a number of sterilizations for members of the public to reduce the incidence of backyard breeding.

CONTRACT 1

Project Title: Pet Tortoise Sterilization Clinic
Project Number: 2015-USFWS-1555A
Project Vendor: U.S. Fish and Wildlife Service
Funding: \$24,340.00
Funding Source: S10, 2015-2017 IPB
Contract Term: 7/8/2015 to 10/31/2015

Accomplishments

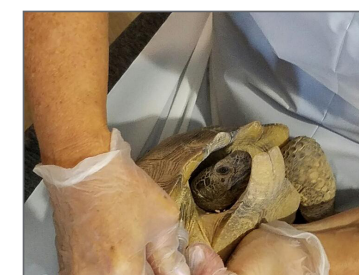
- Trained 26 veterinarians, their technicians, and veterinarian residents on proper tortoise sterilization procedures
- 25 female and 29 male tortoises were successfully sterilized from private custodians in Clark County
- 58 tortoises were micro-chipped and registered with the Tortoise Group

CONTRACT 2

Project Title: Tortoise Sterilization Clinic
Project Number: 2015-USFWS-1555B
Project Vendor: U.S. Fish and Wildlife Service
Funding: \$23,940.00
Funding Source: S10, 2015-2017 IPB
Contract Term: 6/16/2016 – 9/30/2016

Accomplishments

- Trained 16 veterinarians and 13 veterinarian technicians on proper tortoise sterilizing procedures
- 30 female and 25 male tortoises were successfully sterilized from private custodians around Las Vegas
- 30 tortoises were micro-chipped and registered with the Tortoise Group



A veterinarian prepares a desert tortoise for the sterilization procedure.

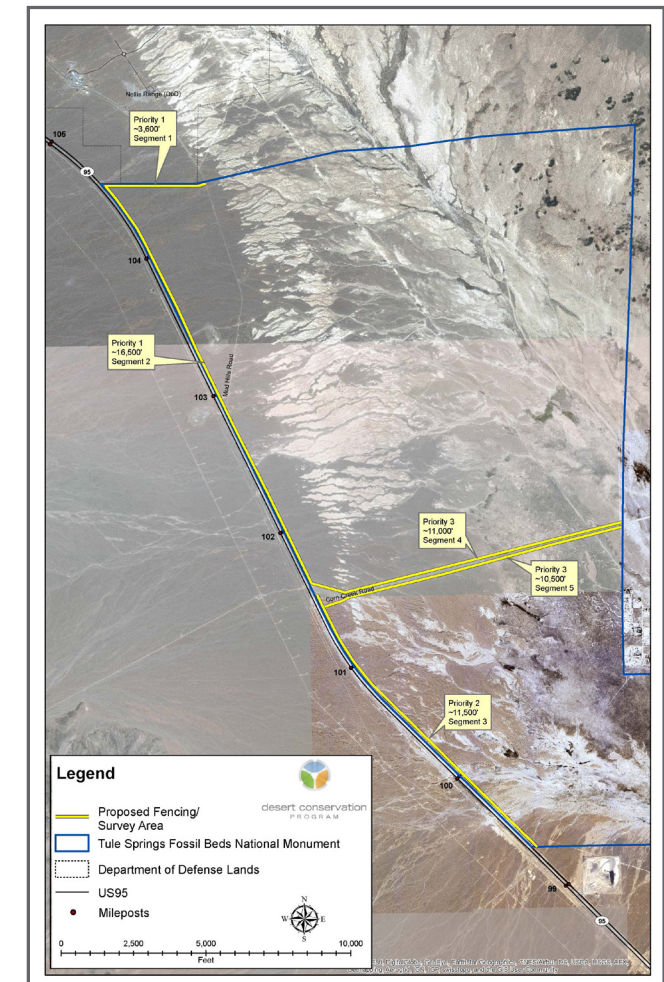


A desert tortoise undergoing the sterilization procedure receives anesthesia.

CONSERVATION PROJECTS

While the Desert Conservation Program consists of specific program areas that are the result of explicit conditions of the incidental take permit, some flexibility is also allowed in identification and funding of conservation actions to provide for conservation and recovery of the 78 covered species.

These projects may address a myriad of program goals and/or needs and can run the gamut from species inventory projects, research, habitat protective measures, and projects that address changed and unforeseen circumstances.



Map depicting the proposed alignment for the construction of a boundary fence at the Tule Springs Fossil Beds National Monument.

Program Area: Conservation Projects

Conservation Project 1: General Fencing

Project Contact: Lee Bice
Senior GIS Analyst
702.455.3554
Bice@ClarkCountyNV.gov

Background and Need for Project

The purpose of this project is to maintain a readiness to monitor, retrofit, and fix wildlife fencing along roadways within Clark County to reduce tortoise mortality and protect Mojave Desert wildlife. Installing and maintaining tortoise-proof fencing has been a priority for the Clark County Desert Conservation Program. The Desert Conservation Program has maintained a contract with the Nevada Division of Forestry to assist with emergency desert tortoise fencing needs.

CONTRACT 1

Project Title: Fencing Installation & Maintenance
Project Number: 2009-NDF-804A
Project Vendor: Nevada Division of Forestry
Funding: \$350,000.00
Funding Source: S10, 2009-2011 IPB
Contract Term: 4/19/2011 to 3/31/2017

Accomplishments

- Monitored and repaired tortoise fencing along the Boulder City Conservation Easement
- Monitored and repaired tortoise fencing for approximately 400 miles of roadways in Clark County
- Repaired fencing and installed gates at the Clark County Muddy River Reserve Unit
- Installed exclusion fencing at the Clark County Virgin River Reserve Unit



Desert tortoise exclusionary fencing.

Associated Purchase Orders

Project Number	Vendor	Title	Funding Amount	Funding Source
2009-AMER-804C	American Fence Company	Fencing Materials	5,000.00	Section 10, 2009-2011 biennium
2009-AMER-804H	American Fence Company	Fencing Materials	5,000.00	Section 10, 2009-2011 biennium

Program Area: Conservation Projects

Conservation Project 2: Boundary Fence for the Tule Springs Fossil Beds National Monument

Project Contact: Lee Bice
Senior GIS Analyst
702.455.3554
Bice@ClarkCountyNV.gov

Background and Need for Project

Clark County is facilitating the construction of boundary fences for the Tule Springs Fossil Beds National Monument on National Park Service-managed lands. This fence will provide protection from further illegal access and dumping on the northern section of the National Monument. The Desert Conservation Program has entered into an Interlocal Agreement with the National Park Service to jointly execute this project. Because the fence will be constructed on federal lands, the project must first comply with the National Environmental Policy Act, which includes complying with Section 106 of the National Historic Preservation Act. A cultural resource survey must be performed prior to any ground disturbance for the construction of the fence.

CONTRACT 1

Project Title: Tule Springs Cultural Resource Survey
Project Number: 2015-HRA-1525B
Project Vendor: HRA, Inc.
Funding: \$11,556.25
Funding Source: S10, 2015-2017 IPB
Contract Term: 5/30/2017 to 1/8/2018

Accomplishments

- Awarded Cultural Resource Survey Contact to HRA, Inc., Conservation Archaeology
- Surveys and consultation will be completed in the next biennium



An example of post-and-cable fencing from the South Unit of the Tule Springs Fossil Beds National Monument

Program Area: Conservation Projects

Conservation Project 3: Changed Circumstances: South Loop Trail Restoration for the Endangered Mount Charleston Blue Butterfly

Project Contact: Stefanie Ferrazzano
Biologist
702.455.6386
Stefanie.Ferrazzano@ClarkCountyNV.gov

Background and Need for Project

The purpose of this project was to restore habitat and improve three miles of Mount Charleston's South Loop Trail system in response to damage caused by the 2013 Carpenter 1 Fire. This was predominately a high-severity fire which burned approximately 28,000 acres of forested habitat and killed trees that were dated to be over 700 years old. The affected mountain range contains habitat for a multitude of species, including the federally endangered Mount Charleston blue butterfly.

CONTRACT 1

Contract Title: South Loop Trail Restoration
Project Number: 2015-GBI-1530A
Project Vendor: Great Basin Institute
Funding: \$19,969.56
Funding Source: S10, 2015-2017 IPB
Contract Term: 5/23/2016 to 11/22/2016

Accomplishments

- 72 logs were cleared from the trail corridor
- 45 drainage features were installed and 11 were maintained
- The entire trail tread and backslope was reconstructed to U.S. Forest Service standards
- Since completion of this project, the South Loop Trail has been re-opened for public use



View of the South Loop Trail before restoration activities.



View of the South Loop Trail post restoration.

Program Area: Conservation Projects

Conservation Project 4: Relict Leopard Frog Conservation

Project Contact: Larry Mata
Environmental Specialist
702.455.3964
Mata@ClarkCountyNV.gov

Background and Need for Project

The purpose of this project is to provide conservation efforts towards the persistence of natural and established populations of the relict leopard frog and towards the establishment of additional populations. The project is a continuation of efforts funded by the Desert Conservation Program in the 2005-2007, 2007-2009, and 2009-2011 biennia. Conservation actions and continued conservation planning will be implemented as specified in a conservation agreement and strategy (CAS) for this species. The CAS was voluntarily entered into by several state and federal agencies, and is managed by a multiagency conservation team. Efforts under this project include: population monitoring, habitat improvements, headstarting/translocation actions, and facilitation of conservation team meetings and reporting.106 of the National Historic Preservation Act. A cultural resource survey must be performed prior to any ground disturbance for the construction of the fence.

CONTRACT 1

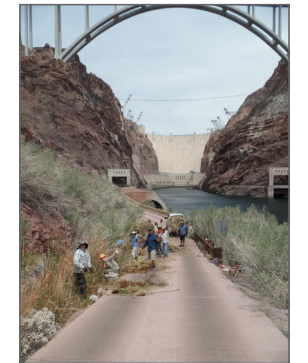
Project Title: Relict Leopard Frog Conservation
Project Number: 2009-NPS-810A
Project Vendor: National Park Service
Funding: \$270,000.00
Funding Source: S10, 2009-2011 IPB
Contract Term: 1/18/2011 to 9/30/2015

Accomplishments

- Completed annual monitoring using nocturnal visual encounter surveys each spring and fall at all historical and experimental (translocation) sites occupied by relict leopard frogs (19 sites total during the spring 2015 field season)
- Completed diurnal visual encounter surveys each spring at occupied sites to assess breeding activity and to search for egg masses or tadpoles for headstarting (rearing) efforts
- Conducted visual encounter surveys at one historical site where relict leopard frogs had been seen more than a decade ago and at a previously failed translocation site
- Conducted field assessments of seven unoccupied springs for their potential as translocation sites
- Completed five seasons of headstarting and translocations, releasing frogs and tadpoles to a total of 12 different sites, including augmentation of historical sites within the Northshore springs complex
- Assisted with the establishment of five new experimental sites



Headstarting facility at the Lake Mead State Fish Hatchery.



Biologists work to improve habitat conditions at a relict leopard frog breeding pool.

ADAPTIVE MANAGEMENT PROGRAM

CONTRACT 1 CONT.

- Provided juvenile frogs from the headstarting program to the Las Vegas Springs Preserve as part of their public educational display, and to the University of Nevada, Las Vegas (UNLV) for research funded by the Bureau of Land Management into the effects of the pathogenic amphibian chytrid fungus
- Completed a tadpole developmental study at an experimental site to test water quality
- Assisted targeted field sampling, conducted by UNLV with funding predominantly from NDOW, to detect the presence of the pathogenic amphibian chytrid fungus at 11 sites associated with relict leopard frog conservation efforts
- Assisted with a mark-recapture study conducted by UNLV under funding from U.S. Fish and Wildlife Service to estimate the overall population size of the relict leopard frog
- Conducted maintenance actions of important breeding habitats at four sites and assisted federal agencies with habitat maintenance and restoration at five other sites; often actions at a particular site were repeated
- Produced meeting minutes for the semiannual meetings of the Relict Leopard Frog Conservation Team, and coordinated and edited team reports
- Increased the number of sites occupied by the relict leopard frog, as well as the overall abundance of these frogs

CONTRACT 2

Project Title: Relict Leopard Frog Conserv Plan and Impl
 Project Number: 2015-UNLV-1550A
 Project Vendor: University of Nevada, Las Vegas – Board of Regents
 Funding: \$184,050.00
 Funding Source: S10, 2015-2017 IPB
 Contract Term: 6/1/2016 to 4/30/2019

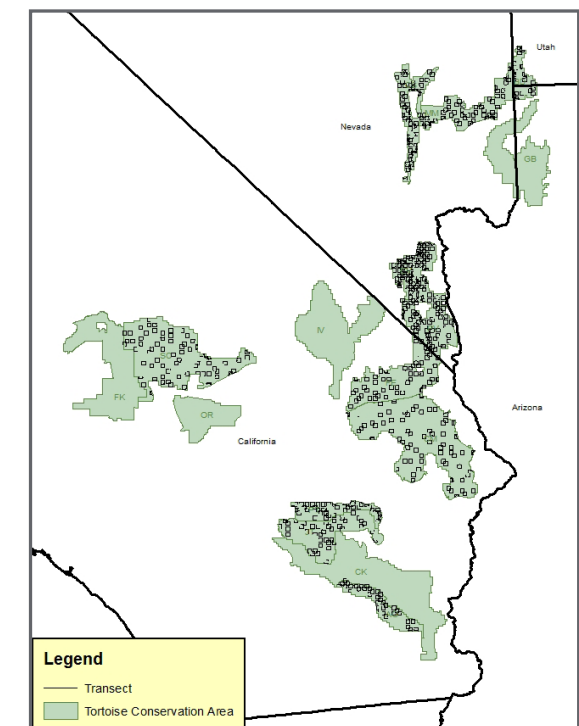
Accomplishments

- Contract awarded, ongoing
- The update of the multiagency conservation agreement and strategy for the species was finalized on October 18, 2016 (RLFCT 2016)
- Produced were semiannual meeting minutes from the RLFCT, along with annual team work plans and reports
- Contributed information used by U.S. Fish and Wildlife Service to assess the status of the relict leopard frog
- Completed semiannual monitoring using visual encounter surveys at all sites occupied by the relict leopard frog (21 sites total)
- Completed two seasons of headstarting, with translocations occurring to designated sites, as well as the transfer of headstarted animals to the Las Vegas Springs Preserve for public display and to UNLV for research into the susceptibility of the species to the pathogenic amphibian chytrid fungus
- Implemented mitigation efforts to improve conditions at important breeding micro-habitats at six occupied spring sites
- Assessed potential habitat conditions conducted with land and resource managers at five unoccupied springs under consideration for translocations
- Collected and tested samples from relict leopard frogs at five sites for the pathogenic amphibian chytrid fungus
- Published initial research on the susceptibility of the relict leopard frog to the pathogenic amphibian chytrid fungus

Adaptive management is a systematic approach for improving resource management by learning from management outcomes, including exploring alternative ways to meet management objectives. The Desert Conservation Program has implemented an Adaptive Management Program, as required by the Incidental Take Permit, since 1999. Components of this program include: contracting an independent Science Advisor who provides an assessment of MSHCP implementation and makes recommendations for future implementation actions; development of a structured decision-making process; and design and implementation of a variety of research projects aimed to better guide management decisions.

This program is the “governing body or protocol” for the MSHCP. It provides an objective, science-based approach to the implementation of the MSHCP. In addition, the program helps direct expenditures, leads projects that further the MSHCP agenda, maintains a database on all covered species, and ensures an adaptive management approach to all recurrent actions with some level of uncertainty.

Staff and other key personnel who work within the Adaptive Management Program have developed a method for analyzing decisions by breaking them into different stages. These stages have proven to aid the overall MSHCP effort. Key elements within the method include: problem framing, eliciting objectives (goals), developing alternatives, evaluating consequences, identifying preferred alternatives, and implementing actions.



Map of the line distance sampling transects completed in 2016.

Program Area: Adaptive Management Program

AMP Project 1: Independent Science Advisor

Project Contact: Scott Cambrin
Senior Biologist
702.455.3859
Scott.Cambrin@ClarkCountyNV.gov

Background and Need for Project

An Adaptive Management Program is a required element of the MSHCP. The program reviews past, current, and ongoing MSHCP activities; makes recommendations for potential projects that would meet MSHCP needs; identifies projects that do not meet MSHCP needs; provides designs for scientifically-sound monitoring protocols that are tailored to MSHCP questions; and helps to adjust currently funded projects to incorporate the best available science as it becomes available. To meet the requirements of this program, Clark County must seek out well qualified scientists and experts who can provide independent technical review of all MSHCP activities.

Specifically, the science advisor will:

- Review staff analyses of land use trends, habitat loss by ecosystem, and implementation status;
- Use available data to analyze MSHCP implementation projects' effectiveness and efficiency in meeting MSHCP goals and objectives;
- Provide advanced spatial (GIS) and statistical analyses; and
- Provide science-based recommendations on future implementation of MSHCP.

CONTRACT 1

Project Title: Science Advisor for the Desert Conservation Program
Project Number: 2009-ECO-801D
Project Vendor: Enduring Conservation Outcomes
Funding: \$429,997.00
Funding Source: S10, 2009-2011 IPB
Contract Term: 2/5/2013 to 1/31/2016

Accomplishments

- Held 5 monthly meetings to discuss current county projects and adaptive management of those projects and give science-based recommendations on the best way to proceed
- Reviewed all presentations at the annual MSHCP project progress report symposium
- Completed a draft and final version of the 2016 Adaptive Management Report where the science advisor analyzed land use trends, habitat loss by ecosystem, and implementation status



Members of the Science Advisor Panel conduct a site visit at the Muddy River Reserve Unit.

CONTRACT 2

Project Title: Science Advisor Panel for the DCP
Project Number: 2013-TERRA-1410B
Project Vendor: Terragraphics
Funding: \$544,642.00
Funding Source: S10, 2001-20013 IPB and 2013-2015 IPB
Contract Term: 1-26/2016 to 1/31/2020

Accomplishments

- Conducted a collaborative Biological Goals and Objectives (BGO) workshop which led to the drafting and completion of a BGO document that will be incorporated into future planning documents, such as the biennial adaptive management reports, and provides a mechanism for future implementation projects to show progress towards meeting BGOs
- Completed the Adaptive Management and Monitoring Plan, which lays out strategies for monitoring MSHCP-covered species, as well as a strategy to tie monitoring data to implementation projects with a focus on the adaptive management process
- The Science Advisor Panel completed preliminary analyses on the desert tortoise occupancy research project, resulting in a data-based direction for the full analysis. The full analysis will be a novel statistical approach that leverages multiple survey results while adjusting for desert tortoise being both a mobile and cryptic species. The findings will be published in a high-tier peer-reviewed journal, will be directly used for management in the BCCE, and will provide wide support for desert tortoise research and management across their range
- Completed updates to the BCCE Management Plan and the Riparian Reserve Units Management Plan
- Completed review of a number of different deliverables for other projects to make sure sound science principles were being used



View of a future restoration site at the Muddy River Reserve Unit.

Program Area: Adaptive Management Program

AMP Project 2: Species Monitoring – Desert Tortoise

Project Contact: Scott Cambrin
Senior Biologist
702.455.3859
Scott.Cambrin@ClarkCountyNV.gov

Background and Need for Project

The recovery program for desert tortoises requires range-wide, long-term monitoring to determine whether recovery goals are met; specifically, population trends within recovery units need to increase for a period of 25 years to warrant delisting. Line distance sampling has been the established protocol for monitoring range-wide population trends in desert tortoise since 1999. The Desert Conservation Program assists the U.S. Fish and Wildlife Service in conducting line distance sampling of recovery units by providing for field crews that can implement these monitoring protocols in southern Nevada.

CONTRACT 1

Project Title: Desert Tortoise Range-Wide Monitoring
Project Number: 2015-GBI-1540A
Project Vendor: Great Basin Institute
Funding: \$426,840.41
Funding Source: S10, 2015-2017 IPB
Contract Term: 1/26/2016 to 12/4/2016

Accomplishments

- 265 transects were completed in 5 Tortoise Conservation Areas (TCA)
- 127 live tortoises and 97 carcasses were observed during surveys
- Telemetered animals were observed 1,328 times during the course of the surveys

CONTRACT 2

Project Title: DT Monitoring Data Management
Project Number: 2015-USFWS-1540B
Project Vendor: U.S. Fish and Wildlife Service
Funding: \$62,833.00
Funding Source: S10, 2015-2017 IPB
Contract Term: 10/14/2015 to 10/7/2016

Accomplishments

- Completed training of the field crews
- Reviewed all data upon delivery to make sure field crews were collecting data correctly
- Coordinated with a data management firm for a third party QA/QC of the data



Wild desert tortoise located on a line distance sampling transect.

CONTRACT 3

Project Title: DT Monitoring Data Management Year 2-5
Project Number: 2015-USFWS-1541A
Project Vendor: U.S. Fish and Wildlife Service
Funding: \$153,361.00
Funding Source: SNPLMA Round 15
Contract Term: 10/7/2016 to 3/15/2021

CONTRACT 4

Project Title: Desert Tortoise Range-Wide Monitoring
Project Number: 2015-GBI-1541B
Project Vendor: Great Basin Institute
Funding: \$924,012.00
Funding Source: SNPLMA Round 15
Contract Term: 12/5/2016 to 12/4/2020

Accomplishments

- Analyzed tortoise densities at the 5 TCAs surveyed during year 1 of the project
- Completed training of the field crews
- Reviewed all data upon delivery to make sure field crews were collecting data correctly
- Coordinated with a data management firm for a third party QA/QC of the data

Accomplishments

- Completed 241 transects in 4 TCAs
- 112 tortoises and 70 carcasses were observed during the first year of the contract
- Enough data has been collected to reach half the goal of 3 density estimates at each of the 6 TCAs over a five year period



Wild desert tortoise located on a line distance sampling transect.

Program Area: Adaptive Management Program

AMP Project 3: Species Monitoring - Birds

Project Contact: Caryn Wright
Environmental Specialist
702.455.2972
Caryn.Wright@ClarkCountyNV.gov

Background and Need for Project

The purpose of this project is to provide conservation efforts towards the persistence of natural and established. The purpose of this project is to conduct baseline bird surveys to establish a record of bird species currently present on riparian reserve units. This baseline record will allow the Desert Conservation Program to track changes in bird populations in riparian areas and can be used to measure the success of future restoration and management activities in the Riparian Reserve Units.

CONTRACT 1

Project Title: Federally Listed Bird Surveys
Project Number: 2015-SWCA-1535A
Project Vendor: SWCA Environmental Consultants
Funding: \$30,382.00
Funding Source: S10, 2015-2017 IPB
Contract Term: 3/15/2017 to 11/30/2017

Accomplishments

- Conducted protocol-level surveys for yellow-billed cuckoo and southwestern willow flycatcher on all current Riparian Reserve Unit properties

CONTRACT 2

Project Title: Point Count Surveys on Riparian Properties
Project Number: 2015-SWCA-1535B
Project Vendor: SWCA Environmental Consultants
Funding: \$18,186.00
Funding Source: S10, 2015-2017 IPB
Contract Term: 3/1/2017-10/15/2017

Accomplishments

- Completed three rounds of point-count surveys across the Riparian Reserve Units to establish a baseline record of bird species



View of a point-count survey site located on the Virgin River Riparian Reserve Unit.



Program Area: Adaptive Management Program

AMP Project 4: Desert Tortoise Occupancy Sampling

Project Contact: Scott Cambrin
Senior Biologist
702.455.3859
Scott.Cambrin@ClarkCountyNV.gov

Background and Need for Project

The occupancy sampling project explores the use of occupancy sampling for monitoring Mojave Desert tortoise to meet the needs of land managers for smaller conservation areas. Occupancy sampling assesses the proportion of habitat occupied by a species and does not estimate abundance or density. Previous work suggests that occupancy sampling may be more efficient and have greater statistical power to detect annual declines in the proportion of area occupied as compared with annual declines in density detected by line distance sampling. In addition, patterns of occurrence and use across multiple sample units can be assessed related to particular areas or environmental variables (covariates). This information can provide valuable information to land managers to assess the species' responses to habitat quality, threats, and management activities. The assessment of covariates will strengthen with multiple years of data from each sample unit.

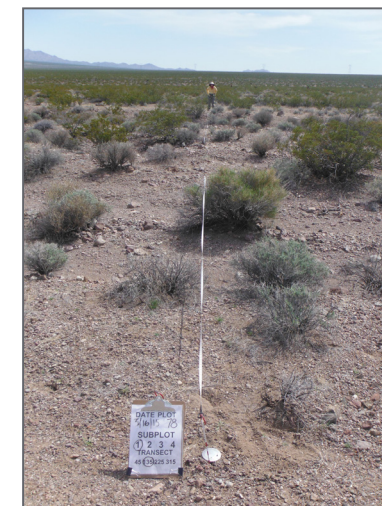
The covariates are a range of environmental variables that are hypothesized to be related to the seasonal and annual presence of desert tortoise. Covariates will be used to assist in the interpretation of the occupancy sampling data and test for correlations with hypothesized causal factors that influence the presence of desert tortoise. These correlated causal factors will then be used to develop and evaluate management actions that are intended to increase tortoise abundance. Ultimately, these data can be used to develop a statistical model to understand and predict the occurrence of desert tortoise in local landscapes.

CONTRACT 1

Project Title: DT Occupancy Sampling Crews II
Project Number: 2007-KLA-1012D
Project Vendor: Knight & Leavitt Assoc.
Funding: \$556,832.00
Funding Source: SNPLMA, Round 8
Contract Term: February 3, 2015 to October 1, 2019

Accomplishments

- During year 4 of the study, located 52 tortoises — 22 of which were located on survey plots with the remaining 30 being incidental observations.
- Identified 244 unique tortoise burrows and recorded 187 reptile observations during surveys in year 4.
- During year 5 of the study, located 79 tortoise — 33 of which were located on study plots.
- Identified 317 unique burrows and recorded 97 reptile observations during surveys in year 5.



A biologist collects vegetation data on a transect for the Occupancy Sampling project.

CONTRACT 2

Project Title: DCP Statistical Consultant
Project Number: 2009-HERON-801H
Project Vendor: Heron Ecological, LLC
Funding: \$21,246.67
Funding Source: S10, 2009-2011 IBP
Contract Term: 9/23/2014 to 9/30/2015

Accomplishments

- Created a summary for how covariates should be calculated from the vegetation data collected under projects 2009-KLA-811H and 2009-KLA-811J
- Reviewed predator proposals for 2009-RFP-803D and looked for pros and cons within each to help aid the county in picking a contractor
- Ran preliminary analysis on occupancy data to give recommendations on the proper methods for analysis of the data

CONTRACT 3

Project Title: Occupancy Covariate Creation using Landsat
Project Number: 2013-TSG-1412C
Project Vendor: Terraspectra Geomatics
Funding: \$23,620.00
Funding Source: S10, 2009-2011 IBP and 2013-2015 IPB
Contract Term: 10/17/2016 to 3/6/2017

Accomplishments

- Created covariates for the occupancy project using Landsat 8 to look at vegetation indices in concert with surveys conducted under 2007-KLA-1012D
- Created a 20-year composite covariate using Landsat 5, which compiled 20 years of vegetation indices to identify areas that received more precipitation

CONTRACT 4

Project Title: Veg Data for DT Occ Covariate Monitoring
Project Number: 2009-KLA-811H
Project Vendor: Knight & Leavitt Associates
Funding: \$66,893.70
Funding Source: S10, 2009-2011 IPB
Contract Term: 1/27/2015 to 8/31/2015

Accomplishments

- Collected species richness and ephemeral plant cover data at 80 plots that coincide with the original plot array designed for the occupancy surveys conducted under 2007-KLA-1012D

CONTRACT 5

Project Title: Veg Data for DT Occ Cov Mon Project II
Project Number: 2009-KLA-811J
Project Vendor: Knight & Leavitt Associates
Funding: \$48,396.25
Funding Source: S10, 2009-2011 IPB
Contract Term: 1/26/2016 to 9/30/2016

CONTRACT 6

Project Title: LiDAR/Aerial Imagery Data Analysis
Project Number: 2009-UTX-811K
Project Vendor: The University of Texas at Austin
Funding: \$46,079.00
Funding Source: S10, 2009-2011 IPB
Contract Term: 3/22/2016 to 10/31/2016

CONTRACT 7

Project Title: Aerial Photography
Project Number: 2013-QUANTUM-1412B
Project Vendor: Quantum Spatial, Inc.
Funding: \$4,486.04
Funding Source: S10, 2013-2015 IPB
Contract Term: 8/1/2015 to 6/30/2016

Accomplishments

- Collected species richness and ephemeral plant cover data at 60 plots that coincide with the updated plot array designed for the occupancy surveys conducted under 2007-KLA-1012D

Accomplishments

- Created a covariate layer for all ledges occurring within the BCCE.
- Created slope, roughness, curvature, and stream flow datasets.
- Created a vegetation dataset that classified shrubs by species and derived height and area for each shrub.

Accomplishments

- Provided 4-band aerial photography of the reserve units, which can be used as a historical record of change to the habitat as well as in developing covariates such as Normalized Difference Vegetation Index



Collecting data on a desert tortoise burrow.

Program Area: Adaptive Management Program
AMP Project 5: Desert Tortoise Predation Study
Project Contact: Larry Mata
Environmental Specialist
702.455.3964
Mata@ClarkCountyNV.gov

Background and Need for Project

The purpose of this project is to collect data related to subsidized predators of desert tortoises (*Gopherus agassizii*) on the BCCE (study area). Subsidized predators — predatory animals whose populations benefit from human-provided food, water, and refugia — are increasing in frequency. In the Mojave Desert of southern Nevada, common ravens (*Corvus corax*) and coyotes (*Canis latrans*) are the predominant subsidized predators. Their presence has become a problem for desert tortoise populations, a threatened species. This study will provide data to help determine the effect ravens and coyotes have on tortoise populations at the BCCE and will provide a baseline to compare to for monitoring the effectiveness of any mitigation measures that may be implemented to reduce the effects.

CONTRACT 1

Project Title: BCCE DT Predation Study
Project Number: 2009-BOARMAN-802H
Project Vendor: Conservation Science Research & Consulting
Funding: \$24,274.00
Funding Source: S10, 2009-2011 IPB
Contract Term: 9/5/2013 to 3/31/2014

Accomplishments

- Conducted two reconnaissance visits to collect initial data on raven and coyote populations to determine the need and efficacy of a more in-depth study to test for effects ravens and coyotes may have on tortoise populations. The two reconnaissance visits were used to identify study sites, determine ease of access for surveys, and collect preliminary data
- Completed a final project report that evaluates the need for further studies and makes recommendations on study design. The report presents the methodology used during the two reconnaissance visits and presents data gathered during the visits

CONTRACT 2

Project Title: BCCE DT Predation Study - Phase 2
Project Number: 2009-BOARMAN-803D
Project Vendor: Conservation Science Research & Consulting
Funding: \$189,574.00
Funding Source: S10, 2009-2011 IPB
Contract Term: 8/4/2015 to 4/30/2017

Accomplishments

- Conducted line transect and point-count surveys of predator presence
- Measured the spatial and temporal patterns of predator abundance relative to tortoise populations
- Raven nest surveys were conducted
- Collected scat and pellets along line transects, survey points, and beneath nests and roosts to assess frequency of predation
- Placed and recorded data from monitoring cameras



A 3-d printed tortoise used to document predation on the BCCE.

CONTRACT 3

Project Title: BCCE DT Predation Study -Phase 2 Amendment
Project Number: 2013-BOARMAN-1421B
Project Vendor: Conservation Science Research & Consulting
Funding: \$191,758.00
Funding Source: S10, 2013-2015 IPB
Contract Term: 3/24/2017 to 8/15/2018

Accomplishments

- Completed a preliminary analysis of data collected under Phase 2
- Revised study design methods based on results of data collection activities under Phase 2
- Field work and data collection activities have begun and will continue into the next biennium



A raven attempts to prey on a 3-d printed tortoise (image captured with a wildlife camera trap).

PROJECT INDEX TABLES



Sorted by Funding Source

Funding Source	BN/Round	Agency	Project #	Project Title	IPB Budget Amount	Award Amount
S10	07-09	Desert Conservation Program	714	Boulder City Conservation Easement Management Plan	\$300,000.00	
S10	07-09	National Park Service	714K	BCCE Weed Survey		\$90,875.00
S10	07-09	Desert Conservation Program	719	Desert Tortoise Pickup Service, Transfer & Holding	\$800,000.00	
S10	07-09	Las Vegas Valley Water District	719Q	Desert Tortoise Habitat		\$76,940.00
S10	07-09	Knight & Leavitt Associates	719S	Hotline, Pick-Up Service and Outreach Sessions for Wild Desert Tortoises		\$34,580.00
S10	07-09	Great Basin Institute	719X	Desert Tortoise Telemetry on the BCCE		\$25,779.02
S10	07-09	Desert Conservation Program	722	Management of Acquired Land & Water Rights	\$150,000.00	
S10	07-09	Louis Berger Engineering	722K	Muddy River Grading Plan		\$72,605.07
S10	09-11	Desert Conservation Program	801	Adaptive Management Program	\$974,950.00	
S10	09-11	Enduring Conservation Outcomes	801D	Science Advisor		\$429,997.00
S10	09-11	Heron Ecological	801H	Statistical Consultant		\$21,246.67
S10	09-11	Terraspectra Geomatic	801J	Occupancy Covaritate Creation		\$2,396.38
S10	09-11	Desert Conservation Program	802	BCCE Management, Maintenance & Law Enforcement	\$340,000.00	
S10	09-11	Robertson + Partners	802M	DCP Branding Project		\$30,829.41
S10	09-11	Desert Conservation Program	803	Desert Tortoise Hotline and Pick-Up Service	\$595,000.00	
S10	09-11	Conservation Science Research	803D	BCCE DT Predation Study - Phase 2		\$189,574.00
S10	09-11	Knight & Leavitt Associates	803E	Hotline and Processing of Wild DTs		\$213,740.00
S10	09-11	Desert Conservation Program	804	Desert Tortoise Fencing	\$425,000.00	
S10	09-11	Nevada Division of Forestry	804A	Fencing Installation & Maintenance		\$350,000.00
S10	09-11	American Fence Company	804C	Fencing Materials		\$5,000.00
S10	09-11	John Jones Landscape Architect	804D	SW Gas Line Civil Plans		\$13,570.00
S10	09-11	Tiberti Fence Company	804E	MR Reserve Fence & Gate Installation		\$7,330.00
S10	09-11	Muller Construction	804F	Energy Zone Fencing		\$205,000.00
S10	09-11	John Jones Landscape Architect	804G	SW Gas Civil Plans Revisions		\$1,700.00
S10	09-11	American Fence Company	804H	Fencing Materials		\$5,000.00
S10	09-11	Desert Conservation Program	805	Management of Acquired Properties & Water Rights	\$255,000.00	
S10	09-11	Michael Buschelman Consulting	805Q	Water Rights Consulting		\$35,500.00
S10	09-11	Nevada Division of Forestry	805AC	MR Fire Control - Weed Removal		\$7,650.88
S10	09-11	Louis Berger Engineering	805AD	Muddy River Grading Plan		\$19,578.03
S10	09-11	Farr West Engineering	805AE	Water Rights Consulting		\$10,196.70
S10	09-11	Desert Conservation Program	807	OHV Education	\$350,000.00	
S10	09-11	Partners in Conservation	807B	OHV Education		\$2,600.00
S10	09-11	Radioactive Productions	807C	OHV Education		\$24,600.00
S10	09-11	Radioactive Productions	807D	OHV Registration Program Marketing		\$150,000.00

Sorted by Funding Source cont.

Funding Source	BN/Round	Agency	Project #	Project Title	IPB Budget Amount	Award Amount
S10	09-11	Map Photo Write	807E	OHV Education - Story Map		\$21,170.00
S10	09-11	Desert Conservation Program	808	Assessment of Post-Fire Rehabilitation of Desert Tortoise Habitat in Clark County	\$400,000.00	
S10	09-11	Desert Conservation Program	809	Restoration of Desert Tortoise & Gypsum Habitat	\$300,000.00	
S10	09-11	Forestry Suppliers	809L	Supplies Acquisition		\$415.28
S10	09-11	Desert Conservation Program	810	Relict Leopard Frog Conservation	\$270,000.00	
S10	09-11	National Park Service	810A	Relict Leopard Frog Conservation		\$270,000.00
S10	09-11	Desert Conservation Program	811	Desert Tortoise Monitoring	\$386,260.00	
S10	09-11	Knight & Leavitt Associates	811H	Vegetation Data for Desert Tortoise Covariate Monitoring		\$66,893.70
S10	09-11	Knight & Leavitt Associates	811J	Vegetation Data for DT Occ Cov Mon Project II		\$48,396.25
S10	09-11	The University of Texas at Austin	811K	LIDAR/Aerial Imagery Data Analysis		\$49,079.00
S10	09-11	Desert Conservation Program	813	BCCE Expansion	\$70,000.00	
S10	11-13	Desert Conservation Program	901	Permit Amendment Transition	\$794,600.00	
S10	11-13	Southwest Ecology, LLC	901B	Covered Species Analysis Support		\$460,256.47
S10	11-13	Terraspectra Geomatic	901C	GIS Data Management and Needs		\$13,232.00
S10	11-13	Robertson + Partners	901D	DCP Branding Project		\$47,287.00
S10	11-13	John Jones Landscape Architect	901E	DT Culvert Engineering Specifications		\$1,850.00
S10	11-13	Terragraphics	901F	Science Advisor		\$150,000.00
S10	11-13	Ebbin, Moser & Skaggs	901G	Legal Services for DCP		\$6,435.87
S10	11-13	WRA Environmental Consultants	901H	HCP Consultant for the MSHCP Amendment		\$92,226.66
S10	11-13	Desert Conservation Program	910	BCCE Management, Maintenance & Law Enforcement	\$411,000.00	
S10	11-13	Nevada Division of Forestry	910B	BCCE Site Rehabilitation & Cleanup		\$22,000.00
S10	11-13	Maile Concrete	910I	Gabion Style Kiosk Build & Install		\$7,588.50
S10	11-13	KVO Industries	910J	Gabion Kiosk Signage		\$2,660.00
S10	11-13	Maile Concrete	910K	Gabion Kiosk Connectors & Supports		\$725.00
S10	11-13	Power Engineers, Inc.	910L	BCCE Trans Line Alt Route Feasibility		\$18,230.00
S10	11-13	Radioactive Productions	910M	BCCE Informative Video		\$10,750.00
S10	11-13	Maile Concrete	910N	Cattleguard Clean, Erosion Prev & C.B		\$1,450.00
S10	11-13	Vista Landscape Centers	910O	Erosion Restoration Rock		\$638.00
S10	11-13	Pictographic	910P	Updated Limited Use Signs		\$1,165.00
S10	11-13	Copper State Bolt & Nut	910Q	Acquisition of Nuts & Bolts		\$22.67
S10	11-13	National Park Service	910R	BCCE Weed Survey		\$35,000.00
S10	11-13	Muller Construction	910S	BCCE Restore & Repair		\$14,285.34
S10	11-13	Desert Conservation Program	915	Property & Water Rights Management	\$140,600.00	
S10	11-13	National Park Service	915A	Muddy River Weed Management		\$108,000.00

Sorted by Funding Source cont.

Funding Source	BN/Round	Agency	Project #	Project Title	IPB Budget Amount	Award Amount
S10	11-13	Partners in Conservation	915L	Muddy River Weed Removal		\$891.14
S10	11-13	Desert Conservation Program	916	Information & Education	\$139,000.00	
S10	11-13	Steve-N-Kids	916Q	Mojave Max Mascot Appearances		\$24,000.00
S10	11-13	Zee Designs	916ZC	Mojave Max Assemble Application		\$144.97
S10	11-13	Desert Conservation Program	917	Riparian Property Acquisition	\$3,200,000.00	
S10	11-13	Stanley Consultants, Inc.	917AA:MC	Boundary Surveys		\$61,840.00
S10	11-13	Anderson Valuation Group	917AA:MC	Appraisal Reports		\$24,500.00
S10	07-09	Desert Conservation Program	1014	Permit Amendment Administration	\$1,010,299.07	
S10	07-09	Ebbin, Moser & Skaggs	1014B	Permit Amendment Legal Counsel		\$913,000.00
S10	07-09	Ebbin, Moser & Skaggs	1014J	Legal Services for DCP		\$193,564.13
S10	13-15	Desert Conservation Program	1405	MSHCP Fee Consolidation	\$300,000.00	
S10	13-15	Desert Conservation Program	1410	Adaptive Management Program	\$374,800.00	
S10	13-15	Terragraphics	1410B	Science Advisor Panel for the DCP		\$374,642.00
S10	13-15	Desert Conservation Program	1411	Adaptive Management Program - Desert Tortoise Modeling	\$20,000.00	
S10	13-15	Terragraphics	1411A	Science Advisor		\$20,000.00
S10	13-15	Desert Conservation Program	1412	Adaptive Management Program - Desert Tortoise Monitoring	\$83,350.00	
S10	13-15	Great Basin Institute	1412A	Eldorado DT Monitoring Year 2		\$1,205.00
S10	13-15	Quantum Spatial, Inc.	1412B	Aerial Photography		\$4,486.04
S10	13-15	Terraspectra Geomatic	1412C	Occupancy Covariate		\$21,223.62
S10	13-15	Desert Conservation Program	1420	BCCE Management	\$330,000.00	
S10	13-15	Boulder City Conservation Easement Law Enforcement	1420A	BCCE Law Enforcement		\$282,876.00
S10	13-15	American Express	1420D	Reserves Maintenance & Tools		\$2,400.00
S10	13-15	Boulder City Conservation Easement Law Enforcement	1420E	BCCE Law Enforcement		\$34,664.00
S10	13-15	American Express	1420F	Reserves Maintenance & Tools		\$2,400.00
S10	13-15	Berntsen International, Inc	1420G	Acquisition of Signs for the BCCE		\$3,323.34
S10	13-15	Signarama	1420H	BCCE 25 mph Decals for Route Signage		\$150.00
S10	13-15	Desert Conservation Program	1421	BCCE Restoration	\$250,000.00	
S10	13-15	Robertson + Partners	1421A	DCP Branding Project		\$46,883.59
S10	13-15	Conservation Science Research	1421B	BCCE DT Predation Study -Phase 2 Amendment		\$191,758.00
S10	13-15	Desert Conservation Program	1430	Information, Education & Outreach	\$256,100.00	
S10	13-15	Las Vegas Tactical, LLC	1430V	Acquisition of Mojave Max Patches		\$650.00
S10	13-15	Giftco	1430W	Acquisition of Mojave Max Backpacks		\$2,120.00
S10	13-15	Paper Zombies	1430X	Mojave Max Brochure		\$1,537.50
S10	13-15	Bluetrack, Inc	1430Y	Acquisition of Desert Tortoise Stress		\$2,499.00

Sorted by Funding Source cont.

Funding Source	BN/Round	Agency	Project #	Project Title	IPB Budget Amount	Award Amount
S10	13-15	Giftco	1430Z	Acquisition of Mojave Max Backpacks		\$2,120.00
S10	13-15	Paper Zombies	1430AA	Graphics Design for Interpretive		\$450.00
S10	13-15	Jackson Media Works	1430AB	Acquisition of Air Fresheners		\$823.15
S10	13-15	Desert Conservation Program	1440	Other Property Management	\$10,000.00	
S10	13-15	Nevada Division of Water Resources	1440B	Water Rights Permit Fees		\$8,600.00
S10	13-15	Nevada Division of Water Resources	1440C	Water Rights Permit Fees		\$8,600.00
S10	13-15	Desert Conservation Program	1442	Fencing	\$100,000.00	
S10	13-15	Muller Construction	1442A	Energy Zone Fencing		\$100,000.00
S10	13-15	Desert Conservation Program	1445	Riparian Property Management	\$103,000.00	
S10	13-15	Doug Nance	1445A	Muddy River Property Maintenance		\$34,840.00
S10	13-15	Louis Berger Engineering	1445C	Muddy River Grading Plan		\$19,142.55
S10	13-15	Farr West Engineering	1445E	Water Rights Consulting		\$11,943.30
S10	13-15	The Nature Conservancy	1445F	Lower Virgin River Integrated Watershed Plan		\$10,000.00
S10	13-15	Forestry Suppliers	1445G	Acquisition of Field Supplies		\$808.99
S10	13-15	Desert Conservation Program	1450	USFWS Desert Tortoise Translocation	\$384,500.00	
S10	13-15	Great Basin Institute	1450B	Desert Tortoise Telemetry on the BCCE		\$134,151.00
S10	13-15	Desert Conservation Program	1455	Wild Desert Totope Assistance	\$78,100.00	
S10	13-15	Earthcam, Inc.	1455A	Desert Tortoise Habitat Camera		\$18,363.00
S10	13-15	Centurylink	1455B	Low Voltage for DT Habitat Camera		\$5,469.26
S10	13-15	Desert Conservation Program	1460	Permit Amendment	\$836,000.00	
S10	13-15	WRA Environmental Consultants	1460A	HCP Consultant for the MSHCP Amendment		\$307,773.34
S10	13-15	Applied Analysis	1460B	Economic Analysis of a Regional HCP		\$49,100.00
S10	15-17	Desert Conservation Program	1500	MSHCP ADMINISTRATION 15-17	\$4,359,825.00	
S10	15-17	Staples	1500A	Office Supplies - FY16		\$5,000.00
S10	15-17	Cintas First Aid & Safety	1500B	First Aid & Safety Supplies - FY16		\$200.00
S10	15-17	Logo Apparel	1500C	Uniform Apparel - FY16		\$830.00
S10	15-17	Opportunity Village	1500D	Document Shredding & Container - FY16		\$150.00
S10	15-17	Red Wing Shoe Store	1500E	Safety Shoes - FY16		\$550.00
S10	15-17	Jackson Media Works	1500G	2013-2015 BPR Editing & Printing		\$2,450.00
S10	15-17	Radioactive Productions	1500H	15 Yr Anniversary MSHCP Video		\$21,250.00
S10	15-17	Purdue Marion & Associates	1500J	15 YR Anniversary MSHCP		\$7,500.00
S10	15-17	Smith Creative Company	1500K	15th Anniversary Invite Design		\$1,300.00
S10	15-17	JSTOR	1500L	JSTOR Subscription		\$2,100.00
S10	15-17	Dell Marketing LP	1500M	Laptop Acquisition		\$1,160.47

Sorted by Funding Source cont.

Funding Source	BN/Round	Agency	Project #	Project Title	IPB Budget Amount	Award Amount
S10	15-17	Ace World Wide-West	1500N	Move to Air Quality Russell Building		\$1,724.75
S10	15-17	Boundless Network	1500P	Acquisition of Gift Bags & Flash Drives		\$1,739.30
S10	15-17	Nevada State Museum & Historical	1500Q	Event Room for 15th Anniversary Event		\$1,125.00
S10	15-17	Divine Events	1500R	Catering for 15th Anniversary		\$4,026.68
S10	15-17	Boundless Network	1500S	Acquisition of Journals and Pens		\$1,585.60
S10	15-17	Staples	1500T	Office Supplies - FY17		\$5,000.00
S10	15-17	Opportunity Village	1500U	Document Shredding & Container - FY17		\$150.00
S10	15-17	Logo Apparel	1500V	Uniform Apparel - FY17		\$600.00
S10	15-17	Red Wing Shoes of America	1500W	Safety shoes - FY17		\$550.00
S10	15-17	Cintas First Aid & Safety	1500X	First Aid & Safety Supplies - FY17		\$200.00
S10	15-17	Rebel Oil Company, Inc	1500Y	Wet-hose Contract for Unleaded		\$500.00
S10	15-17	Rebel Oil Company, Inc	1500Z	Wet-hose Contract for Unleaded Fuel		\$1,500.00
S10	15-17	Sahara Chrysler Jeep Dodge Ram	1500AA	Acquisition of Jeep Rubicon		\$36,989.00
S10	15-17	Dell Marketing LP	1500AB	Acquisition of Computers & Monitors		\$12,039.16
S10	15-17	SHI International Corp	1500AC	Acquisition of Adobe Creative Cloud		\$531.00
S10	15-17	Dell Marketing LP	1500AD	Acquisition of VLA Project 2016		\$382.99
S10	15-17	CDW Government, Inc	1500AE	Acquisition of Desktop Printer		\$367.08
S10	15-17	Graphic Imaging Services, Inc.	1500AF	Fujitsu Scanner Maintenance		\$2,022.00
S10	15-17	Desert Conservation Program	1510	BCCE MGMT & LAW ENFORCEMENT	\$220,960.00	
S10	15-17	City of Boulder City	1510A	BCCE Law Enforcement		\$217,460.00
S10	15-17	Desert Conservation Program	1515	INFORMATION, EDUCATION & OUTREACH	\$306,753.00	
S10	15-17	Southern Nevada Conservancy	1515A	Mojave Max Education Program		\$180,500.00
S10	15-17	Zee Designs	1515B	Mojave Max Website Support Services		\$1,101.60
S10	15-17	Robertson + Partners	1515C	DCP Branding Project		\$75,000.00
S10	15-17	Skyhigh Marketing	1515D	Acquisition of Tortoise Paper Clips		\$1,450.00
S10	15-17	Jackson Media Works	1515E	Acquisition of Air Fresheners		\$1,291.85
S10	15-17	Paper Zombies	1515F	Graphics Design for MM Emerg		\$75.00
S10	15-17	Zee Designs	1515G	Mojave Max Secure Server License		\$352.50
S10	15-17	Zee Designs	1515H	Mojave Max Contest Portal		\$20,640.00
S10	15-17	Zee Designs	1515J	2017 Mojave Max Website Support		\$1,270.60
S10	15-17	Zee Designs	1515K	Live Video Feed		\$991.25
S10	15-17	Zee Designs	1515L	Assembly Application		\$507.50
S10	15-17	Zee Designs	1515M	Mojave Max Assemble Application		\$117.53
S10	15-17	Skyhigh Marketing	1515N	Acquisition of Lip Moisturizer Balls		\$760.00

Sorted by Funding Source cont.

Funding Source	BN/Round	Agency	Project #	Project Title	IPB Budget Amount	Award Amount
S10	15-17	Giftco	1515P	Acquisition of Temporary Tattoos		\$103.00
S10	15-17	Skyhigh Marketing	1515Q	Acquisition of LED Flashlights		\$1,055.00
S10	15-17	Morgan Specialties, Inc.	1515R	Acquisition of Tortoise Paper Clips		\$2,715.00
S10	15-17	AB Limited Worldwide	1515S	Acquisition of Learn to the Max Patches		\$1,210.00
S10	15-17	Zee Designs	1515T	Mojave Max Verification Page		\$3,200.62
S10	15-17	Earthcam, Inc.	1515U	Incr Archiving Time on Mojave Max		\$845.00
S10	15-17	Logo Fusion USA, Inc.	1515V	Acquisition of Learn to the Max Conf		\$948.00
S10	15-17	Robertson + Partners	1515W	Mojave Max Website Support Services		\$660.00
S10	15-17	Logo Fusion USA, Inc.	1515X	Acquisition of Learn to the Max		\$573.00
S10	15-17	Robertson + Partners	1515Y	Mojave Max Assembly Power-Point Presentation		\$6,250.00
S10	15-17	Alinco, Inc	1515Z	Acquisition of Tortoise Costumes		\$4,350.00
S10	15-17	Desert Conservation Program	1520	RIPARIAN PROPERTY MANAGEMENT	\$203,376.00	
S10	15-17	National Park Service	1520B	Muddy River Weed Management		\$108,000.00
S10	15-17	Partners in Conservation	1520C	Mudy River Weed Removal		\$5,858.86
S10	15-17	Republic Services	1520D	Dumpster Rental for MR Weed		\$3,421.78
S10	15-17	Whitney's Water Systems, Inc	1520E	Muddy River Backflow Test		\$98.00
S10	15-17	Forestry Suppliers	1520F	Acquisition of Hip Waders		\$256.06
S10	15-17	Whitney's Water Systems, Inc	1520G	Muddy River Pump Diagnostic		\$3,240.50
S10	15-17	Stillwater Sciences	1520H	VR Baseline Conditions Assessment		\$10,408.70
S10	15-17	L.J. McCormick Enterprises Inc	1520J	Riparian Property Maintenance		\$36,200.00
S10	15-17	Whitney's Water Systems, Inc	1520K	Muddy River Pump		\$8,042.00
S10	15-17	Whitney's Water Systems, Inc	1520L	Backflow Test and Repair		\$148.00
S10	15-17	Desert Conservation Program	1525	WILDLIFE FENCING	\$426,197.00	
S10	15-17	Muller Construction	1525A	Energy Zone Fencing		\$238,698.37
S10	15-17	HRA, Inc.	1525B	Tule Springs Cultural Resource Survey		\$11,556.25
S10	15-17	Desert Conservation Program	1530	SOUTH LOOP TRAIL RESTORATION	\$20,000.00	
S10	15-17	Great Basin Institute	1530A	South Loop Trail Restoration		\$19,969.56
S10	15-17	Desert Conservation Program	1535	RIPARIAN RSV UNITS BASELINE BIRD SURVEYS	\$52,867.00	
S10	15-17	SWCA Environmental Consultants	1535A	Federally Listed Bird Surveys		\$30,382.00
S10	15-17	SWCA Environmental Consultants	1535B	Point Count Surveys on Riparian Properties		\$18,186.00
S10	15-17	Desert Conservation Program	1540	DESERT TORTOISE MONITORING	\$492,576.00	
S10	15-17	Great Basin Institute	1540A	Desert Tortoise Range-Wide Monitoring		\$426,840.41
S10	15-17	US Fish & Wildlife Service	1540B	DT Monitoring Data Management		\$62,833.00
S10	15-17	Desert Conservation Program	1545	POST-TRANSLOCATION DT MONITORING	\$350,000.00	

Sorted by Funding Source cont.

Funding Source	BN/Round	Agency	Project #	Project Title	IPB Budget Amount	Award Amount
S10	15-17	Great Basin Institute	1545A	DT Telemetry on the BCCE (Yr 2 & 3)		\$341,652.47
S10	15-17	Desert Conservation Program	1550	RELICT LEOPARD FROG CNSV PLAN & IMPLEMENTATION	\$184,050.00	
S10	15-17	University of Nevada (UNLV)	1550A	Relict Leopard Frog Conserv Plan and Implementation		\$184,050.00
S10	15-17	Desert Conservation Program	1555	DT STERILIZATION CLINICS & OUTREACH	\$48,280.00	
S10	15-17	US Fish & Wildlife Service	1555A	Pet Tortoise Sterilization Clinic		\$24,340.00
S10	15-17	US Fish & Wildlife Service	1555B	Tortoise Sterilization Clinic		\$23,940.00
S10	15-17	Desert Conservation Program	1560	TEMP HOLDING FACILITY FOR DISPLACED DT	\$250,000.00	
SNPLMA	R8	Desert Conservation Program	1012A	Desert Tortoise Monitoring	\$1,134,842.00	
SNPLMA	R8	Knight & Leavitt Associates	1012D	Desert Tortoise Occupancy Sampling Crews II		\$440,000.00
SNPLMA	R12	Desert Conservation Program	920	BCCE Visitor & Use Management	\$42,000.00	
SNPLMA	R12	Maile Concrete	920D	Gabion Style Kiosk Build & Install		\$211.50
SNPLMA	R12	Desert Conservation Program	921	Desert Use Media Campaign	\$50,000.00	
SNPLMA	R14	Desert Conservation Program	1446	Riparian Prop Restoration - Phase II	\$88,650.00	
SNPLMA	R14	Stillwater Sciences	1446A	Geotech & Conceptual Grading Plan		\$22,324.00
SNPLMA	R14	Fred Phillips Consulting, LLC	1446C	Muddy River Restoration Plan		\$23,999.75
SNPLMA	R14	Desert Conservation Program	1451	USFWS Desert Tortoise Translocation	\$384,500.00	
SNPLMA	R14	Great Basin Institute	1451A	Eldorado Desert Tortoise Monitoring (Year 1 & 2)		\$346,050.00
SNPLMA	R15	Desert Conservation Program	1521	RIPARIAN RESTORATION RSV	\$214,150.00	
SNPLMA	R15	Stillwater Sciences	1521A	VR Baseline Conditions Assessment		\$22,352.00
SNPLMA	R15	Desert Conservation Program	1541	DESERT TORTOISE MONITORING-SNPLMA	\$1,077,373.00	
SNPLMA	R15	US Fish & Wildlife Service	1541A	DT Monitoring Data Management Year 2-5		\$153,361.00
SNPLMA	R15	Great Basin Institute	1541B	Desert Tortoise Range-Wide Monitoring		\$924,012.00
SNPLMA	R15	Desert Conservation Program	1570	RESTORATION ON THE CLARK COUNTY MUDDY RIVER	\$2,770,000.00	
SNPLMA	R15	Desert Conservation Program	1580	TORTOISE CONNECTIVITY	\$2,448,000.00	

Sorted by Agency/Contractor

Funding Source	BN/Round	Agency	Project #	Project Title	IPB Budget Amount	Award Amount
S10	15-17	AB Limited Worldwide	1515S	Acquisition of Learn to the Max Patches		\$1,210.00
S10	15-17	Ace World Wide-West	1500N	Move to Air Quality Russell Building		\$1,724.75
S10	15-17	Alinco, Inc	1515Z	Acquisition of Tortoise Costumes		\$4,350.00
S10	13-15	American Express	1420D	Reserves Maintenance & Tools		\$2,400.00
S10	13-15	American Express	1420F	Reserves Maintenance & Tools		\$2,400.00
S10	09-11	American Fence Company	804C	Fencing Materials		\$5,000.00
S10	09-11	American Fence Company	804H	Fencing Materials		\$5,000.00
S10	11-13	Anderson Valuation Group	917AA-MC	Appraisal Reports		\$24,500.00
S10	13-15	Applied Analysis	1460B	Economic Analysis of a Regional HCP		\$49,100.00
S10	13-15	Berntsen International, Inc	1420G	Acquisition of Signs for the BCCE		\$3,323.34
S10	13-15	Bluetrack, Inc	1430Y	Acquisition of Desert Tortoise Stress		\$2,499.00
S10	13-15	Boulder City Conservation Easement Law Enforcement	1420A	BCCE Law Enforcement		\$282,876.00
S10	13-15	Boulder City Conservation Easement Law Enforcement	1420E	BCCE Law Enforcement		\$34,664.00
S10	15-17	Boundless Network	1500P	Acquisition of Gift Bags & Flash Drives		\$1,739.30
S10	15-17	Boundless Network	1500S	Acquisition of Journals and Pens		\$1,585.60
S10	15-17	CDW Government, Inc	1500AE	Acquisition of Desktop Printer		\$367.08
S10	13-15	Centurylink	1455B	Low Voltage for DT Habitat Camera		\$5,469.26
S10	15-17	Cintas First Aid & Safety	1500B	First Aid & Safety Supplies - FY16		\$200.00
S10	15-17	Cintas First Aid & Safety	1500X	First Aid & Safety Supplies - FY17		\$200.00
S10	15-17	City of Boulder City	1510A	BCCE Law Enforcement		\$217,460.00
S10	09-11	Conservation Science Research	803D	BCCE DT Predation Study - Phase 2		\$189,574.00
S10	13-15	Conservation Science Research	1421B	BCCE DT Predation Study -Phase 2 Amendment		\$191,758.00
S10	11-13	Copper State Bolt & Nut	910Q	Acquisition of Nuts & Bolts		\$22.67
S10	15-17	Dell Marketing LP	1500M	Laptop Acquisition		\$1,160.47
S10	15-17	Dell Marketing LP	1500AB	Acquisition of Computers & Monitors		\$12,039.16
S10	15-17	Dell Marketing LP	1500AD	Acquisition of VLA Project 2016		\$382.99
S10	07-09	Desert Conservation Program	714	Boulder City Conservation Easement Management Plan	\$300,000.00	
S10	07-09	Desert Conservation Program	719	Desert Tortoise Pickup Service, Transfer & Holding	\$800,000.00	
S10	07-09	Desert Conservation Program	722	Management of Acquired Land & Water Rights	\$150,000.00	
S10	09-11	Desert Conservation Program	801	Adaptive Management Program	\$974,950.00	
S10	09-11	Desert Conservation Program	802	BCCE Management, Maintenance & Law Enforcement	\$340,000.00	
S10	09-11	Desert Conservation Program	803	Desert Tortoise Hotline and Pick-Up Service	\$595,000.00	
S10	09-11	Desert Conservation Program	804	Desert Tortoise Fencing	\$425,000.00	

Sorted by Agency/Contractor cont.

Funding Source	BN/Round	Agency	Project #	Project Title	IPB Budget Amount	Award Amount
S10	09-11	Desert Conservation Program	805	Management of Acquired Properties & Water Rights	\$255,000.00	
S10	09-11	Desert Conservation Program	807	OHV Education	\$350,000.00	
S10	09-11	Desert Conservation Program	808	Assessment of Post-Fire Rehabilitation of Desert Tortoise Habitat in Clark County	\$400,000.00	
S10	09-11	Desert Conservation Program	809	Restoration of Desert Tortoise & Gypsum Habitat	\$300,000.00	
S10	09-11	Desert Conservation Program	810	Relict Leopard Frog Conservation	\$270,000.00	
S10	09-11	Desert Conservation Program	811	Desert Tortoise Monitoring	\$386,260.00	
S10	09-11	Desert Conservation Program	813	BCCE Expansion	\$70,000.00	
S10	11-13	Desert Conservation Program	901	Permit Amendment Transition	\$794,600.00	
S10	11-13	Desert Conservation Program	910	BCCE Management, Maintenance & Law Enforcement	\$411,000.00	
S10	11-13	Desert Conservation Program	915	Property & Water Rights Management	\$140,600.00	
S10	11-13	Desert Conservation Program	916	Information & Education	\$139,000.00	
S10	11-13	Desert Conservation Program	917	Riparian Property Acquisition	\$3,200,000.00	
SNPLMA	R12	Desert Conservation Program	920	BCCE Visitor & Use Management	\$42,000.00	
SNPLMA	R12	Desert Conservation Program	921	Desert Use Media Campaign	\$50,000.00	
SNPLMA	R8	Desert Conservation Program	1012A	Desert Tortoise Monitoring	\$1,134,842.00	
S10	07-09	Desert Conservation Program	1014	Permit Amendment Administration	\$1,010,299.07	
S10	13-15	Desert Conservation Program	1405	MSHCP Fee Consolidation	\$300,000.00	
S10	13-15	Desert Conservation Program	1410	Adaptive Management Program	\$374,800.00	
S10	13-15	Desert Conservation Program	1411	Adaptive Management Program - Desert Tortoise Modeling	\$20,000.00	
S10	13-15	Desert Conservation Program	1412	Adaptive Management Program - Desert Tortoise Monitoring	\$83,350.00	
S10	13-15	Desert Conservation Program	1420	BCCE Management	\$330,000.00	
S10	13-15	Desert Conservation Program	1421	BCCE Restoration	\$250,000.00	
S10	13-15	Desert Conservation Program	1430	Information, Education & Outreach	\$256,100.00	
S10	13-15	Desert Conservation Program	1440	Other Property Management	\$10,000.00	
S10	13-15	Desert Conservation Program	1442	Fencing	\$100,000.00	
S10	13-15	Desert Conservation Program	1445	Riparian Property Management	\$103,000.00	
SNPLMA	R14	Desert Conservation Program	1446	Riparian Prop Restoration - Phase II	\$88,650.00	
S10	13-15	Desert Conservation Program	1450	USFWS Desert Tortoise Translocation	\$384,500.00	
SNPLMA	R14	Desert Conservation Program	1451	USFWS Desert Tortoise Translocation	\$384,500.00	
S10	13-15	Desert Conservation Program	1455	Wild Desert Totope Assistance	\$78,100.00	
S10	13-15	Desert Conservation Program	1460	Permit Amendment	\$836,000.00	
S10	15-17	Desert Conservation Program	1500	MSHCP ADMINISTRATION 15-17	\$4,359,825.00	
S10	15-17	Desert Conservation Program	1510	BCCE MGMT & LAW ENFORCEMENT	\$220,960.00	

Sorted by Agency/Contractor cont.

Funding Source	BN/Round	Agency	Project #	Project Title	IPB Budget Amount	Award Amount
S10	15-17	Desert Conservation Program	1515	INFORMATION, EDUCATION & OUTREACH	\$306,753.00	
S10	15-17	Desert Conservation Program	1520	RIPARIAN PROPERTY MANAGEMENT	\$203,376.00	
SNPLMA	R15	Desert Conservation Program	1521	RIPARIAN RESTORATION RSV	\$214,150.00	
S10	15-17	Desert Conservation Program	1525	WILDLIFE FENCING	\$426,197.00	
S10	15-17	Desert Conservation Program	1530	SOUTH LOOP TRAIL RESTORATION	\$20,000.00	
S10	15-17	Desert Conservation Program	1535	RIPARIAN RSV UNITS BASELINE BIRD SURVEYS	\$52,867.00	
S10	15-17	Desert Conservation Program	1540	DESERT TORTOISE MONITORING	\$492,576.00	
SNPLMA	R15	Desert Conservation Program	1541	DESERT TORTOISE MONITORING-SNPLMA	\$1,077,373.00	
S10	15-17	Desert Conservation Program	1545	POST-TRANSLOCATION DT MONITORING	\$350,000.00	
S10	15-17	Desert Conservation Program	1550	RELICT LEOPARD FROG CNSV PLAN & IMPLEMENTATION	\$184,050.00	
S10	15-17	Desert Conservation Program	1555	DT STERILIZATION CLINICS & OUTREACH	\$48,280.00	
S10	15-17	Desert Conservation Program	1560	TEMP HOLDING FACILITY FOR DISPLACED DT	\$250,000.00	
SNPLMA	R15	Desert Conservation Program	1570	RESTORATION ON THE CLARK COUNTY MUDDY RIVER	\$2,770,000.00	
SNPLMA	R15	Desert Conservation Program	1580	TORTOISE CONNECTIVITY	\$2,448,000.00	
S10	15-17	Divine Events	1500R	Catering for 15th Anniversary		\$4,026.68
S10	13-15	Doug Nance	1445A	Muddy River Property Maintenance		\$34,840.00
S10	13-15	Earthcam, Inc.	1455A	Desert Tortoise Habitat Camera		\$18,363.00
S10	15-17	Earthcam, Inc.	1515U	Incr Archiving Time on Mojave Max		\$845.00
S10	11-13	Ebbin, Moser & Skaggs	901G	Legal Services for DCP		\$6,435.87
S10	07-09	Ebbin, Moser & Skaggs	1014B	Permit Amendment Legal Counsel		\$913,000.00
S10	07-09	Ebbin, Moser & Skaggs	1014J	Legal Services for DCP		\$193,564.13
S10	09-11	Enduring Conservation Outcomes	801D	Science Advisor		\$429,997.00
S10	09-11	Farr West Engineering	805AE	Water Rights Consulting		\$10,196.70
S10	13-15	Farr West Engineering	1445E	Water Rights Consulting		\$11,943.30
S10	09-11	Forestry Suppliers	809L	Supplies Acquisition		\$415.28
S10	13-15	Forestry Suppliers	1445G	Acquisition of Field Supplies		\$808.99
S10	15-17	Forestry Suppliers	1520F	Acquisition of Hip Waders		\$256.06
SNPLMA	R14	Fred Phillips Consulting, LLC	1446C	Muddy River Restoration Plan		\$23,999.75
S10	13-15	Giftco	1430W	Acquisition of Mojave Max Backpacks		\$2,120.00
S10	13-15	Giftco	1430Z	Acquisition of Mojave Max Backpacks		\$2,120.00
S10	15-17	Giftco	1515P	Acquisition of Temporary Tattoos		\$103.00
S10	15-17	Graphic Imaging Services, Inc.	1500AF	Fujitsu Scanner Maintenance		\$2,022.00
S10	07-09	Great Basin Institute	719X	Desert Tortoise Telemetry on the BCCE		\$25,779.02

Sorted by Agency/Contractor cont.

Funding Source	BN/Round	Agency	Project #	Project Title	IPB Budget Amount	Award Amount
S10	13-15	Great Basin Institute	1412A	Eldorado DT Monitoring Year 2		\$1,205.00
S10	13-15	Great Basin Institute	1450B	Desert Tortoise Telemetry on the BCCE		\$134,151.00
SNPLMA	R14	Great Basin Institute	1451A	Eldorado Desert Tortoise Monitoring (Year 1 & 2)		\$346,050.00
S10	15-17	Great Basin Institute	1530A	South Loop Trail Restoration		\$19,969.56
S10	15-17	Great Basin Institute	1540A	Desert Tortoise Range-Wide Monitoring		\$426,840.41
SNPLMA	R15	Great Basin Institute	1541B	Desert Tortoise Range-Wide Monitoring		\$924,012.00
S10	15-17	Great Basin Institute	1545A	DT Telemetry on the BCCE (Yr 2 & 3)		\$341,652.47
S10	09-11	Heron Ecological	801H	Statistical Consultant		\$21,246.67
S10	15-17	HRA, Inc.	1525B	Tule Springs Cultural Resource Survey		\$11,556.25
S10	13-15	Jackson Media Works	1430AB	Acquisition of Air Fresheners		\$823.15
S10	15-17	Jackson Media Works	1500G	2013-2015 BPR Editing & Printing		\$2,450.00
S10	15-17	Jackson Media Works	1515E	Acquisition of Air Fresheners		\$1,291.85
S10	09-11	John Jones Landscape Architect	804D	SW Gas Line Civil Plans		\$13,570.00
S10	09-11	John Jones Landscape Architect	804G	SW Gas Civil Plans Revisions		\$1,700.00
S10	11-13	John Jones Landscape Architect	901E	DT Culvert Engineering Specifications		\$1,850.00
S10	15-17	JSTOR	1500L	JSTOR Subscription		\$2,100.00
S10	07-09	Knight & Leavitt Associates	719S	Hotline, Pick-Up Service and Outreach Sessions for Wild Desert Tortoises		\$34,580.00
S10	09-11	Knight & Leavitt Associates	803E	Hotline and Processing of Wild DTs		\$213,740.00
S10	09-11	Knight & Leavitt Associates	811H	Vegetation Data for Desert Tortoise Covariate Monitoring		\$66,893.70
S10	09-11	Knight & Leavitt Associates	811J	Vegetation Data for DT Occ Cov Mon Project II		\$48,396.25
SNPLMA	R8	Knight & Leavitt Associates	1012D	Desert Tortoise Occupancy Sampling Crews II		\$440,000.00
S10	11-13	KVO Industries	910J	Gabion Kiosk Signage		\$2,660.00
S10	15-17	L.J. McCormick Enterprises Inc	1520J	Riparian Property Maintenance		\$36,200.00
S10	13-15	Las Vegas Tactical, LLC	1430V	Acquisition of Mojave Max Patches		\$650.00
S10	07-09	Las Vegas Valley Water District	719Q	Desert Tortoise Habitat		\$76,940.00
S10	15-17	Logo Apparel	1500C	Uniform Apparel - FY16		\$830.00
S10	15-17	Logo Apparel	1500V	Uniform Apparel - FY17		\$600.00
S10	15-17	Logo Fusion USA, Inc.	1515V	Acquisition of Learn to the Max Conf		\$948.00
S10	15-17	Logo Fusion USA, Inc.	1515X	Acquisition of Learn to the Max		\$573.00
S10	07-09	Louis Berger Engineering	722K	Muddy River Grading Plan		\$72,605.07
S10	09-11	Louis Berger Engineering	805AD	Muddy River Grading Plan		\$19,578.03
S10	13-15	Louis Berger Engineering	1445C	Muddy River Grading Plan		\$19,142.55
S10	11-13	Maile Concrete	910I	Gabion Style Kiosk Build & Install		\$7,588.50

Sorted by Agency/Contractor cont.

Funding Source	BN/Round	Agency	Project #	Project Title	IPB Budget Amount	Award Amount
S10	11-13	Maile Concrete	910K	Gabion Kiosk Connectors & Supports		\$725.00
S10	11-13	Maile Concrete	910N	Cattleguard Clean, Erosion Prev & C.B		\$1,450.00
SNPLMA	R12	Maile Concrete	920D	Gabion Style Kiosk Build & Install		\$211.50
S10	09-11	Map Photo Write	807E	OHV Education - Story Map		\$21,170.00
S10	09-11	Michael Buschelman Consulting	805Q	Water Rights Consulting		\$35,500.00
S10	15-17	Morgan Specialties, Inc.	1515R	Acquisition of Tortoise Paper Clips		\$2,715.00
S10	09-11	Muller Construction	804F	Energy Zone Fencing		\$205,000.00
S10	11-13	Muller Construction	910S	BCCE Restore & Repair		\$14,285.34
S10	13-15	Muller Construction	1442A	Energy Zone Fencing		\$100,000.00
S10	15-17	Muller Construction	1525A	Energy Zone Fencing		\$238,698.37
S10	07-09	National Park Service	714K	BCCE Weed Survey		\$90,875.00
S10	09-11	National Park Service	810A	Relict Leopard Frog Conservation		\$270,000.00
S10	11-13	National Park Service	910R	BCCE Weed Survey		\$35,000.00
S10	11-13	National Park Service	915A	Muddy River Weed Management		\$108,000.00
S10	15-17	National Park Service	1520B	Muddy River Weed Management		\$108,000.00
S10	09-11	Nevada Division of Forestry	804A	Fencing Installation & Maintenance		\$350,000.00
S10	09-11	Nevada Division of Forestry	805AC	MR Fire Control - Weed Removal		\$7,650.88
S10	11-13	Nevada Division of Forestry	910B	BCCE Site Rehabilitation & Cleanup		\$22,000.00
S10	13-15	Nevada Division of Water Resources	1440B	Water Rights Permit Fees		\$8,600.00
S10	13-15	Nevada Division of Water Resources	1440C	Water Rights Permit Fees		\$8,600.00
S10	15-17	Nevada State Museum & Historical	1500Q	Event Room for 15th Anniversary Event		\$1,125.00
S10	15-17	Opportunity Village	1500D	Document Shredding & Container - FY16		\$150.00
S10	15-17	Opportunity Village	1500U	Document Shredding & Container - FY17		\$150.00
S10	13-15	Paper Zombies	1430X	Mojave Max Brochure		\$1,537.50
S10	13-15	Paper Zombies	1430AA	Graphics Design for Interpretive		\$450.00
S10	15-17	Paper Zombies	1515F	Graphics Design for MM Emerg		\$75.00
S10	09-11	Partners in Conservation	807B	OHV Education		\$2,600.00
S10	11-13	Partners in Conservation	915L	Muddy River Weed Removal		\$891.14
S10	15-17	Partners in Conservation	1520C	Muddy River Weed Removal		\$5,858.86
S10	11-13	Pictographic	910P	Updated Limited Use Signs		\$1,165.00
S10	11-13	Power Engineers, Inc.	910L	BCCE Trans Line Alt Route Feasibility		\$18,230.00
S10	15-17	Purdue Marion & Associates	1500J	15 YR Anniversary MSHCP		\$7,500.00
S10	13-15	Quantum Spatial, Inc.	1412B	Aerial Photography		\$4,486.04

Sorted by Agency/Contractor cont.

Funding Source	BN/Round	Agency	Project #	Project Title	IPB Budget Amount	Award Amount
S10	09-11	Radioactive Productions	807C	OHV Education		\$24,600.00
S10	09-11	Radioactive Productions	807D	OHV Registration Program Marketing		\$150,000.00
S10	11-13	Radioactive Productions	910M	BCCE Informative Video		\$10,750.00
S10	15-17	Radioactive Productions	1500H	15 Yr Anniversary MSHCP Video		\$21,250.00
S10	15-17	Rebel Oil Company, Inc	1500Y	Wet-hose Contract for Unleaded		\$500.00
S10	15-17	Rebel Oil Company, Inc	1500Z	Wet-hose Contract for Unleaded Fuel		\$1,500.00
S10	15-17	Red Wing Shoe Store	1500E	Safety Shoes - FY16		\$550.00
S10	15-17	Red Wing Shoes of America	1500W	Safety shoes - FY17		\$550.00
S10	15-17	Republic Services	1520D	Dumpster Rental for MR Weed		\$3,421.78
S10	09-11	Robertson + Partners	802M	DCP Branding Project		\$30,829.41
S10	11-13	Robertson + Partners	901D	DCP Branding Project		\$47,287.00
S10	13-15	Robertson + Partners	1421A	DCP Branding Project		\$46,883.59
S10	15-17	Robertson + Partners	1515C	DCP Branding Project		\$75,000.00
S10	15-17	Robertson + Partners	1515W	Mojave Max Website Support Services		\$660.00
S10	15-17	Robertson + Partners	1515Y	Mojave Max Assembly Power-Point Presentation		\$6,250.00
S10	15-17	Sahara Chrysler Jeep Dodge Ram	1500AA	Acquisition of Jeep Rubicon		\$36,989.00
S10	15-17	SHI International Corp	1500AC	Acquisition of Adobe Creative Cloud		\$531.00
S10	13-15	Signarama	1420H	BCCE 25 mph Decals for Route Signage		\$150.00
S10	15-17	Skyhigh Marketing	1515D	Acquisition of Tortoise Paper Clips		\$1,450.00
S10	15-17	Skyhigh Marketing	1515N	Acquisition of Lip Moisturizer Balls		\$760.00
S10	15-17	Skyhigh Marketing	1515Q	Acquisition of LED Flashlights		\$1,055.00
S10	15-17	Smith Creative Company	1500K	15th Anniversary Invite Design		\$1,300.00
S10	15-17	Southern Nevada Conservancy	1515A	Mojave Max Education Program		\$180,500.00
S10	11-13	Southwest Ecology, LLC	901B	Covered Species Analysis Support		\$460,256.47
S10	11-13	Stanley Consultants, Inc.	917AA:MC	Boundary Surveys		\$61,840.00
S10	15-17	Staples	1500A	Office Supplies - FY16		\$5,000.00
S10	15-17	Staples	1500T	Office Supplies - FY17		\$5,000.00
S10	11-13	Steve-N-Kids	916Q	Mojave Max Mascot Appearances		\$24,000.00
SNPLMA	R14	Stillwater Sciences	1446A	Geotech & Conceptual Grading Plan		\$22,324.00
S10	15-17	Stillwater Sciences	1520H	VR Baseline Conditions Assessment		\$10,408.70
SNPLMA	R15	Stillwater Sciences	1521A	VR Baseline Conditions Assessment		\$22,352.00
S10	15-17	SWCA Environmental Consultants	1535A	Federally Listed Bird Surveys		\$30,382.00
S10	15-17	SWCA Environmental Consultants	1535B	Point Count Surveys on Riparian Properties		\$18,186.00

Sorted by Agency/Contractor cont.

Funding Source	BN/Round	Agency	Project #	Project Title	IPB Budget Amount	Award Amount
S10	11-13	Terragraphics	901F	Science Advisor		\$150,000.00
S10	13-15	Terragraphics	1410B	Science Advisor Panel for the DCP		\$374,642.00
S10	13-15	Terragraphics	1411A	Science Advisor		\$20,000.00
S10	09-11	Terraspectra Geomatic	801J	Occupancy Covaritate Creation		\$2,396.38
S10	11-13	Terraspectra Geomatic	901C	GIS Data Management and Needs		\$13,232.00
S10	13-15	Terraspectra Geomatic	1412C	Occupancy Covariate		\$21,223.62
S10	13-15	The Nature Conservancy	1445F	Lower Virgin River Integrated Watershed Plan		\$10,000.00
S10	09-11	The University of Texas at Austin	811K	LiDAR/Aerial Imagery Data Analysis		\$49,079.00
S10	09-11	Tiberti Fence Company	804E	MR Reserve Fence & Gate Installation		\$7,330.00
S10	15-17	University of Nevada (UNLV)	1550A	Relict Leopard Frog Consv Plan and Implementation		\$184,050.00
S10	15-17	US Fish & Wildlife Service	1540B	DT Monitoring Data Management		\$62,833.00
SNPLMA	R15	US Fish & Wildlife Service	1541A	DT Monitoring Data Management Year 2-5		\$153,361.00
S10	15-17	US Fish & Wildlife Service	1555A	Pet Tortoise Sterilization Clinic		\$24,340.00
S10	15-17	US Fish & Wildlife Service	1555B	Tortoise Sterilization Clinic		\$23,940.00
S10	11-13	Vista Landscape Centers	9100	Erosion Restoration Rock		\$638.00
S10	15-17	Whitney's Water Systems, Inc	1520E	Muddy River Backflow Test		\$98.00
S10	15-17	Whitney's Water Systems, Inc	1520G	Muddy River Pump Diagnostic		\$3,240.50
S10	15-17	Whitney's Water Systems, Inc	1520K	Muddy River Pump		\$8,042.00
S10	15-17	Whitney's Water Systems, Inc	1520L	Backflow Test and Repair		\$148.00
S10	11-13	WRA Environmental Consultants	901H	HCP Consultant for the MSHCP Amendment		\$92,226.66
S10	13-15	WRA Environmental Consultants	1460A	HCP Consultant for the MSHCP Amendment		\$307,773.34
S10	11-13	Zee Designs	916ZC	Mojave Max Assemble Application		\$144.97
S10	15-17	Zee Designs	1515B	Mojave Max Website Support Services		\$1,101.60
S10	15-17	Zee Designs	1515G	Mojave Max Secure Server License		\$352.50
S10	15-17	Zee Designs	1515H	Mojave Max Contest Portal		\$20,640.00
S10	15-17	Zee Designs	1515J	2017 Mojave Max Website Support		\$1,270.60
S10	15-17	Zee Designs	1515K	Live Video Feed		\$991.25
S10	15-17	Zee Designs	1515L	Assembly Application		\$507.50
S10	15-17	Zee Designs	1515M	Mojave Max Assemble Application		\$117.53
S10	15-17	Zee Designs	1515T	Mojave Max Verification Page		\$3,200.62

FINANCIAL REPORT

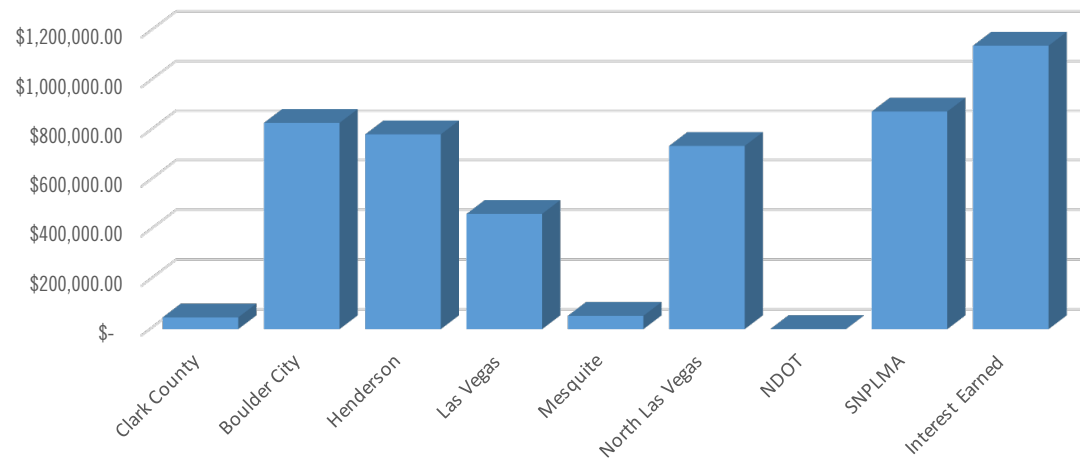


REVENUE BY SOURCE

July 1, 2015 through June 30, 2017

Revenue Source	Amount
Clark County	\$ 47,415.00
Boulder City	\$ 831,143.50
Henderson	\$ 784,867.00
Las Vegas	\$ 464,392.50
Mesquite	\$ 53,734.50
North Las Vegas	\$ 738,270.50
NDOT	\$ 676.50
SNPLMA	\$ 876,793.80
Interest Earned	\$ 1,142,076.55
Total	\$ 4,939,369.85

Revenue (by Source)
2015-2017 Biennium

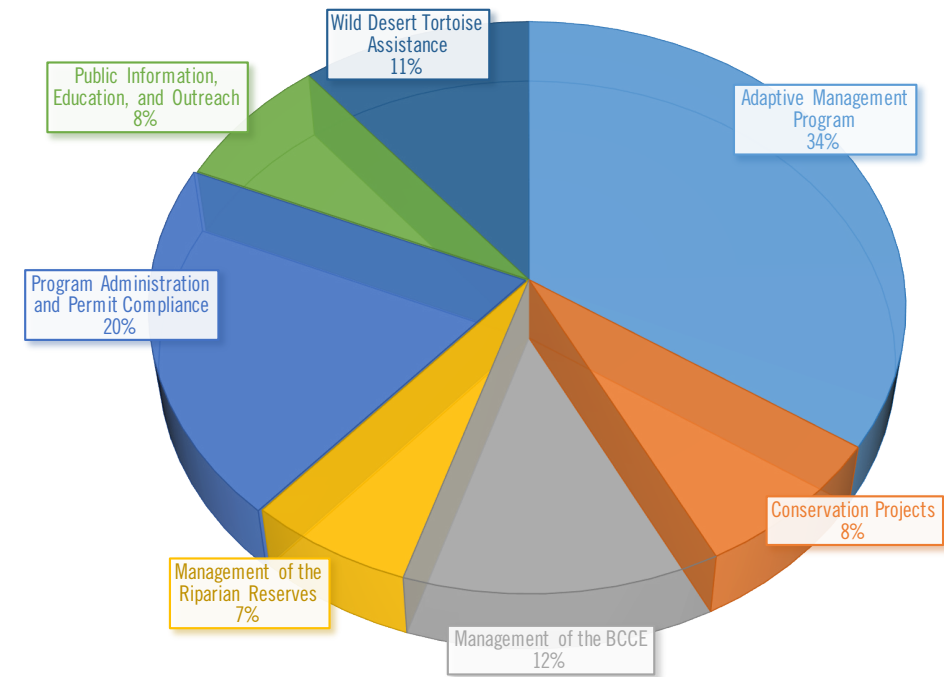


FUNDED CONTRACTS BY PROGRAM AREA

July 1, 2015 through June 30, 2017

Funded Contracts by Program Area July 1, 2015 through June 30, 2017

Program Area	Funds	Percent
Adaptive Management Program	\$ 3,625,307.07	34.4
Conservation Projects	\$ 845,575.81	8.0
Management of the BCCE	\$ 1,310,108.00	12.4
Management of the Riparian Reserves	\$ 686,376.31	6.5
Program Administration and Permit Compliance*	\$ 2,110,584.92	20.1
Public Information, Education, and Outreach	\$ 802,980.91	7.6
Wild Desert Tortoise Assistance	\$ 1,145,437.49	10.8
Grand Total	\$ 10,526,370.51	



* Does not include staff salaries or other County service/operational charges.

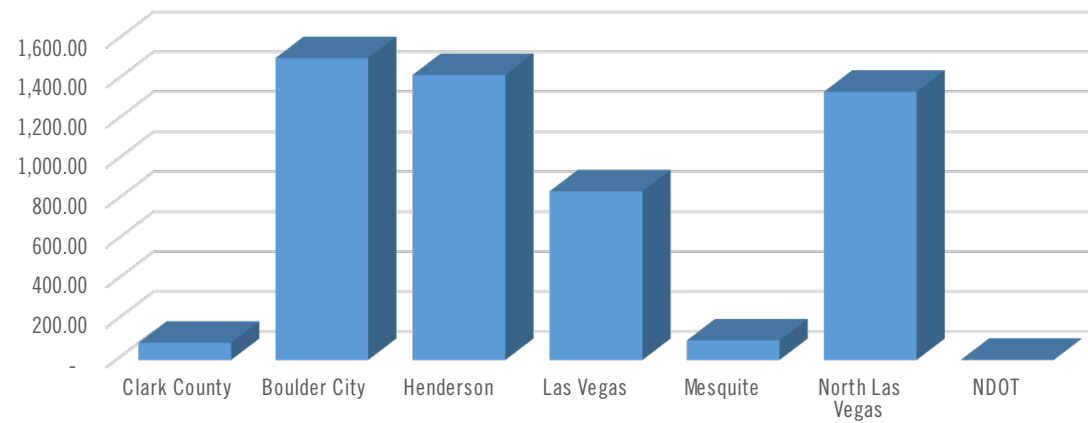
LAND DISTURBANCE REPORTS



ACRES OF DISTURBANCE

Permittee	Reported Disturbance (Acres)
Clark County	86.21
Boulder City	1,511.17
Henderson	1,427.03
Las Vegas	844.35
Mesquite	97.70
North Las Vegas	1,342.31
NDOT	1.23
Total	5,310.00

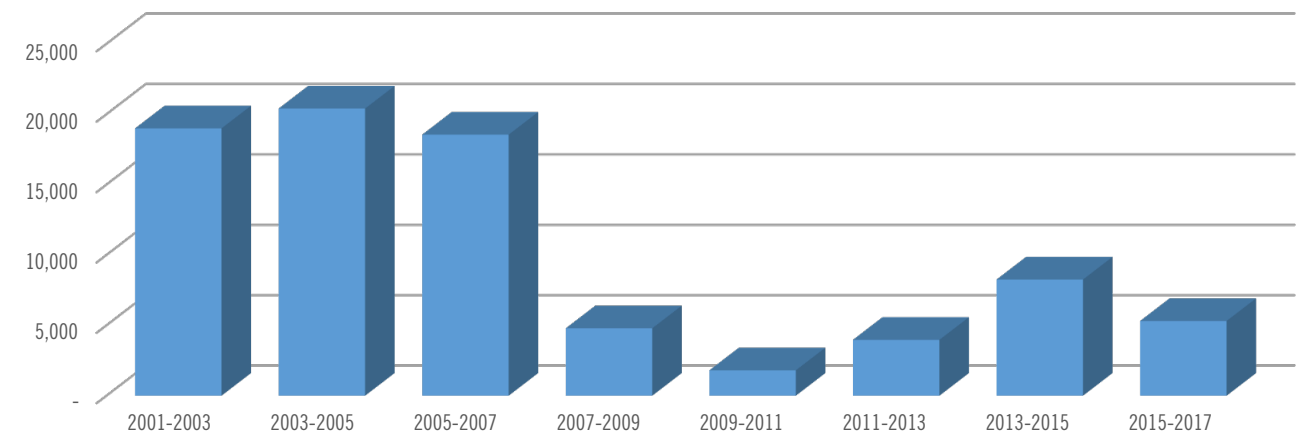
Acres of Disturbance (2015-2017 Biennium)



ACRES OF DISTURBANCE

Biennium	Reported Disturbance (Acres)*
2001-2003	18,993.46
2003-2005	20,402.35
2005-2007	18,548.36
2007-2009	4,789.93
2009-2011	1,803.98
2011-2013	3,968.98
2013-2015	8,253.42
2015-2017	5,310.00

Acres of Disturbance (by Biennium)*

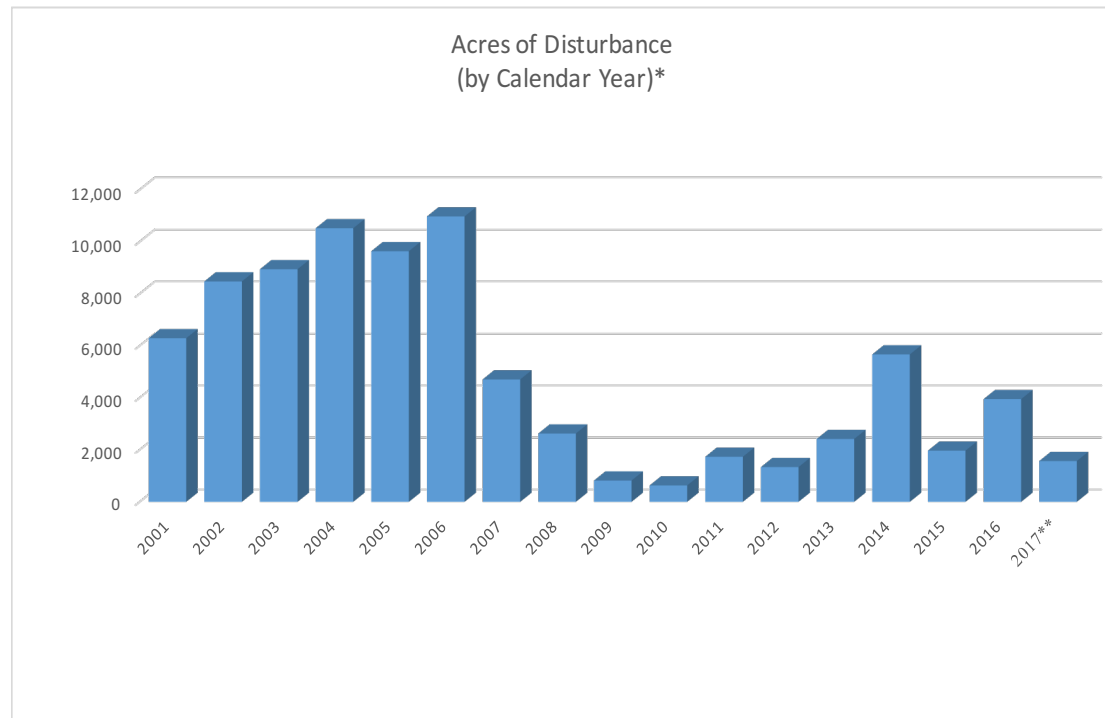


*Total acres reported in this chart do not include acres of municipal development, which were exempt from the payment of mitigation fees through January 2010. Total number of acres of municipal development that were exempt from mitigation fee payment is 15,000 acres.

ACRES OF DISTURBANCE

Calendar Year	Reported Disturbance (Acres)*
2001	6,292.46
2002	8,475.58
2003	8,945.68
2004	10,520.61
2005	9,637.79
2006	10,974.28
2007	4,707.70
2008	2,627.86
2009	819.22
2010	632.48
2011	1,733.80
2012	1,337.85
2013	2,417.27
2014	5,669.06
2015	1,969.72
2016	3,950.71
2017**	1,570.78

Average 4,840.17



*Total acres reported in this chart do not include acres of municipal development, which were exempt from the payment of mitigation fees
 **Partial year data.

TORTOISE DISPOSITION SUMMARY

Clark County's responsibilities regarding desert tortoise collection were established in the 1995 Desert Conservation Program and the 2001 MSHCP and associated Section 10 Permit (#TE034927-0). The Desert Conservation Program outlines the requirement to provide a pickup service to handle desert tortoises which are displaced by development or appear to be in harm's way within urban areas under section C.3.a.

The Desert Conservation Program collects wild desert tortoises found on construction sites. The service is currently free of charge and is provided to developers who do voluntary surveys of their property prior to disturbance and to individual workers who come across a wild tortoise while on the job site. All tortoises collected through the pickup service are relocated to appropriate sites through the USFWS desert tortoise translocation program.

During the 2015-2017 biennium, the program collected 15 adult or juvenile desert tortoises. Ultimate disposition of these tortoises is at the discretion of the U.S. Fish and Wildlife Service. For further information on wild desert tortoise assistance, refer to the project reports section of this report, program area: Wild Desert Tortoise Assistance.



