



2017-2019

BIENNIUM PROGRESS REPORT

STREAMLINING development, protecting species, & preserving **OUR FUTURE.**



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INTRODUCTION

As required in Section 2.12.27 of the Clark County Multiple Species Habitat Conservation Plan (MSHCP), this document represents a composite final biennium progress report for the period July 1, 2017 through June 30, 2019. 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 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.

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

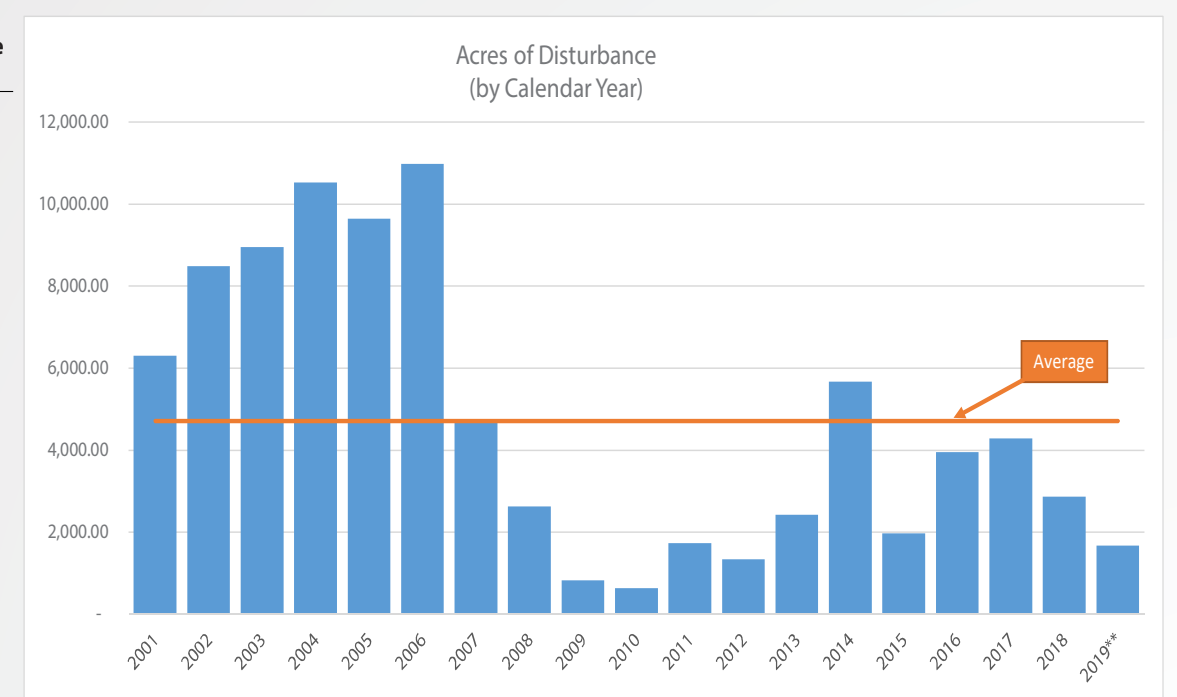
Clark County is required to collect and expend mitigation funds to implement conservation actions in accordance with terms outlined in the MSHCP and associated Permit. The MSHCP provides funding for conservation projects to various federal, state, and local agencies, nonprofit organizations and private 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 (SNPLMA).

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, 7,472.72 of disturbance was reported during the 2017-2019 biennium. The Desert Conservation Program collected \$4,099,884.20 in Section 10 fees during this period and \$2,145,251.17 was generated in interest from Section 10 fees. A detailed summary of revenues earned for the 2017-2019 biennium is provided in the financial reports section of this report.



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	4,287.33
2018	2,868.66
2019**	1,669.19



*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 exempted from mitigation fee payment is 15,000 acres.
**Partial year data.

PROJECTS AND EXPENDITURES

During the 2017-2019 biennium Clark County:

- Managed 62 internal program budgets (i.e., “master projects”);
- Administered a total of 103 agreements or contracts with 48 different agencies and contractors to implement “master projects”; and
- Administered 85 purchase orders with 41 different vendors in support of “master projects”.

See the Project Reports section of this document to review project activities during the biennium. The project reports include a brief summary of each project, including the name of the agency or contractor, project description, project status, partners, funding awarded, and contract term. Note that many projects span more than one biennium. Projects from previous biennia that overlapped the 2017-2019 biennium are included, if work was conducted or funds expended within the 2017-2019 biennium timeframe.

Project Reporting Process

Agencies and contractors receiving funding for the 2017-2019 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

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

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, 2017 through June 30, 2019). 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” within the Master List of Projects provides a quick reference to indicate 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
 - BCCE Project 5: BCCE Restoration
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, Parcel E
 - Riparian Project 5: Muddy River Restoration, Parcels G-I
 - Riparian Project 6: Virgin River Restoration

- Riparian Project 7: Property Acquisition
 - Riparian Project 8: 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: Off-highway Vehicle (OHV) Education
 - PIE Project 4: Las Vegas Springs Preserve Bearpoppy Habitat
 - PIE Project 5: General Outreach
 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: Boundary Fence for the Tule Springs Fossil Beds National Monument
 - Cons Project 2: Relict Leopard Frog Conservation
 - Cons Project 3: Installation of Bat Gates
 7. **Adaptive Management Program (AMP)**
 - AMP Project 1: Independent Science Advisor
 - AMP Project 2: Species Monitoring – Desert Tortoise
 - AMP Project 3: Species Monitoring and Habitat Monitoring
 - AMP Project 4: Desert Tortoise Occupancy Sampling
 - AMP Project 5: Desert Tortoise Predation Studies
 - AMP Project 6: Desert Tortoise Habitat Connectivity Study
 - AMP Project 7: Desert Tortoise Forage Study
 - AMP Project 8: Evaluation of Drones for Detection of Desert Tortoises

Section 4 – 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.

Section 5 – Financial Report. This section of the report presents graphs and data on the various sources and amount of revenue collected during the 2017-2019 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 2017-2019 biennium. A cumulative look at all disturbance reported since permit issuance in 2001 is also provided.

Section 7 – 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.



MASTER LIST OF PROJECTS



MASTER LIST OF PROJECTS

Project Number	Master Project/Contract Title	Lead Agency/Contractor	Contract/Budget Start Date	Contract End Date	Budget Amount (Master Projects)	Unallocated Budget Remaining (Master Projects)	Contract Award Amount	Funding Source	Split Funding	Report Reference
719	DT Pickup Service, Transfer & Holding	Desert Conservation Program - Master Project	07/01/2007		\$ 800,000.00	\$ -		S10 07-09		
719AA	BCCE DT Telemetry and Health Assessments	Great Basin Institute	04/26/2018	12/28/2023			\$ 7,896.71	S10 07-09	1412D, 1445D, 1540D, 1545B, 1740B	Wild DT Project 2
719X	DT Telemetry on the BCCE Yr 1 (funded w/1450B)	Great Basin Institute	11/01/2014	12/31/2018			\$ 25,779.02	S10 07-09	1450B, 1545A, 1740A	Wild DT Project 2
722	Management of Acquired Land & Water Rights	Desert Conservation Program - Master Project	06/30/2007		\$ 150,000.00	\$ -		S10 07-09		
722K	Muddy River Grading Plan	Louis Berger Engineering	11/15/2016	08/29/2017			\$ 72,605.07	S10 07-09	805AD, 1445C	Riparian Project 3
803	DT Hotline and Pick-Up Service	Desert Conservation Program - Master Project	07/01/2009		\$ 595,000.00	\$ 56,917.87		S10 09-11		
803E	Hotline and Processing of Wild DTs	Knight & Leavitt Assoc	11/19/2015	11/02/2018			\$ 213,740.00	S10 09-11		Wild DT Project 1
803F	DT Health Assess and Pickup Svc Support	Ecocentric, LLC	01/02/2019	12/31/2023			\$ 93,390.00	S10 09-11		Wild DT Project 1
804	Desert Tortoise Fencing S10	Desert Conservation Program - Master Project	07/01/2009		\$ 425,000.00	\$ 37,095.21		S10 09-11		
804F	Energy Zone Fencing (w/1442 & 1525)	Muller Construction	03/07/2017	08/31/2017			\$ 205,000.00	S10 09-11	1442A, 1525A	BCCE Project 3
804J	DT Combo Fencing Engineering Details	John Jones Landscape Architect, PLLC	05/07/2018	08/01/2018			\$ 5,000.00	S10 09-11		Cons Project 1
805	Manage Acquired Properties and Water Rights	Desert Conservation Program - Master Project	07/01/2009		\$ 255,000.00	\$ -		S10 09-11		
805AD	Muddy River Grading Plan (w/722&1445)	Louis Berger Engineering	07/01/2016	06/30/2020			\$ 19,578.03	S10 09-11	722K, 1445C	Riparian Project 3
805AE	Water Rights Consulting (w/1445)	Farr West Engineering	12/01/2016	08/31/2019			\$ 10,196.70	S10 09-11	1445E	Riparian Project 8
805AF	MR Vegetation Clearing (w/1520P & 1720D)	Eagle View Contractors, Inc.	12/18/2018	05/31/2019			\$ 971.29	S10 09-11	1520P, 1720D	Riparian Project 4
807	OHV Education	Desert Conservation Program - Master Project	07/01/2009		\$ 350,000.00	\$ 1,082.89		S10 09-11		
807D	OHV Registration Program Marketing	Radioactive Productions (MXT Media)	09/14/2016	06/30/2018			\$ 150,000.00	S10 09-11		PIE Project 3
807F	OHV Registration Program Marketing	MXT Media	07/01/2017	06/30/2018			\$ 100,000.00	S10 09-11		PIE Project 3
807G	Acquisition of Learn to the Max Staff Shirts	Logo Apparel	09/18/2018	06/30/2019			\$ 76.00	S10 09-11		PIE Project 1
807H	DT Aware & Invasive Spec Ed for OHV Comm	MXT Media	10/22/2018	01/31/2020			\$ 50,000.00	S10 09-11		PIE Project 3
809	Restoration of DT & Gypsum Habitat	Desert Conservation Program - Master Project	07/01/2009		\$ 300,000.00	\$ 178,288.13		S10 09-11		
809M	BCCE Cultural Resource Survey	SWCA Environmental Consultants	02/04/2019	11/01/2019			\$ 34,096.00	S10 09-11		BCCE Project 5
901	Permit Amendment Transition	Desert Conservation Program - Master Project	07/01/2011		\$ 794,600.00	\$ -		S10 11-13		
901B	Covered Species Analysis Support	Southwest Ecology, LLC	01/14/2016	05/01/2018			\$ 460,256.47	S10 11-13		Prog Admin Project 2
901F	Science Advisor (w/1410 & 1411)	Terragraphics	01/26/2016	01/20/2018			\$ 150,000.00	S10 11-13	1410C, 1411A	AMP Project 1
901G	Legal Services for DCP (w/1014)	Ebbin Moser & Skaqgs, LLP	08/03/2016	06/30/2018			\$ 6,435.87	S10 11-13	1014J	Prog Admin Project 2
901H	HCP Consultant for the MSHCP Amend 3/1460	WRA Environmental Consultants	02/01/2017	01/31/2022			\$ 92,226.66	S10 11-13	1460A	Prog Admin Project 2
910	BCCE Mgmt, Maint & LE 11-13	Desert Conservation Program - Master Project	06/21/2011		\$ 411,000.00	\$ -		S10 11-13		
910R	BCCE Weed Survey	National Park Service (NPS)	11/01/2016	10/15/2017			\$ 35,000.00	S10 11-13		BCCE Project 1
910S	BCCE Restore & Repair	Muller Construction	10/05/2016	10/31/2017			\$ 14,285.34	S10 11-13		BCCE Project 1
910T	BCCE Limited Use Signs	Pictographics	07/01/2017	06/30/2018			\$ 565.00	S10 11-13		BCCE Project 1
910U	BCCE Kiosk Signs - 3 Locations	KVO Industries	07/12/2017	06/30/2018			\$ 7,865.00	S10 11-13		BCCE Project 4
910V	BCCE Gabion Sign Attachment Specifications	John Jones Landscape Architect, PLLC	07/26/2017	06/30/2018			\$ 1,000.00	S10 11-13		BCCE Project 4
910W	BCCE Gabions Constructed in Three Locations	Maile Concrete	10/20/2017	02/15/2018			\$ 24,100.00	S10 11-13		BCCE Project 4
910X	Limited Use & Authorized Road Signage	Pictographics	03/14/2018	06/30/2018			\$ 620.00	S10 11-13		BCCE Project 1
910Y	No Shooting Signage	702 Graphics	03/19/2018	06/30/2018			\$ 320.00	S10 11-13		BCCE Project 1
910Z	Route G Desert Tortoise Guard	Maile Concrete	05/11/2018	08/11/2018			\$ 2,279.90	S10 11-13	1420L	BCCE Project 1
916	Information & Education 11-13	Desert Conservation Program - Master Project	07/01/2011		\$ 139,000.00	\$ 870.00		S10 11-13		
916Q	Mojave Max Mascot Appearances	Steve-N-Kids	09/05/2013	09/30/2017			\$ 24,000.00	S10 11-13		PIE Project 1
916ZD	Acquisition of Sunshades	Jackson Media Works	08/01/2017	06/30/2018			\$ 1,400.00	S10 11-13		PIE Project 5
916ZE	Acquisition of Mojave Max Trail Camera	B & H Photo	08/30/2017	06/30/2018			\$ 451.95	S10 11-13		PIE Project 1
916ZF	Acquisition of Learn to the Max Shirts	Logo Apparel	08/31/2017	06/30/2018			\$ 366.00	S10 11-13		PIE Project 1
916ZG	Acquisition of Mojave Max Cut-Outs	Paper Zombies	09/06/2017	06/30/2018			\$ 118.00	S10 11-13		PIE Project 1
916ZH	Acquisition of Name Badges	Abbott Trophies, LLC	09/11/2017	06/30/2018			\$ 29.00	S10 11-13		PIE Project 1
916ZJ	Acquisition of Tortoise Erasers	Skyhigh Marketing	02/15/2018	06/30/2018			\$ 1,154.40	S10 11-13		PIE Project 1
916ZK	Acquisition of Mood Rulers	Morgan Specialties, Inc.	03/05/2018	06/30/2018			\$ 1,288.60	S10 11-13		PIE Project 1
916ZL	Acquisition of MoMax Patches	Las Vegas Tactical, LLC	03/05/2018	06/30/2018			\$ 870.00	S10 11-13		PIE Project 1
916ZM	Gfx Design for MoMax Brochure (w/1515)	Paper Zombies	05/02/2018	06/30/2018			\$ 114.35	S10 11-13	1515AB	PIE Project 1
917	Riparian Property Acquisition 11-13	Desert Conservation Program - Master Project	07/01/2011		\$ 3,200,000.00	\$ 1,589,121.06		S10 11-13		
917AC	Boundary Surveys and Parceling for VR Props	Stanley Consultants, Inc.	04/01/2016	06/30/2018			\$ 11,820.00	S10 11-13		Riparian Project 7
917BD	Parceling for APN 002-26-501-009	Stanley Consultants, Inc.	07/31/2017	07/31/2019			\$ 8,760.00	S10 11-13		Riparian Project 7
917DD	Appraisal Report for APN 002-26-301-002	Anderson Valuation Group	07/12/2017	06/30/2018			\$ 1,750.00	S10 11-13		Riparian Project 7
917DE	Parceling for Virgin River Properties	Stanley Consultants, Inc.	03/07/2018	06/30/2019			\$ 5,035.00	S10 11-13		Riparian Project 7
917K	DRB Holdings, LLC Land Acquisition		12/05/2016	12/31/2020			\$ -	S10 11-13		Riparian Project 7
917L	Happy Good Fortune, LLC Land Acquisition		12/05/2016	12/31/2020			\$ -	S10 11-13		Riparian Project 7
917M	Bunkerville Compound, LLC Land Acquisition		12/05/2016	12/31/2020			\$ -	S10 11-13		Riparian Project 7
917MB	Parceling for Bunkerville Property	Stanley Consultants, Inc.	05/12/2017	07/31/2019			\$ 23,970.00	S10 11-13		Riparian Project 7
917MC	Phase I Env. Site Assessment of Bunkerville Parcel	Converse Consultants, Inc	01/29/2018	04/26/2018			\$ 5,250.00	S10 11-13		Riparian Project 7
917NA	Parceling for Virgin River Properties	Stanley Consultants, Inc.	02/21/2018	06/30/2019			\$ 5,035.00	S10 11-13		Riparian Project 7
1012	Desert Tortoise Monitoring	Desert Conservation Program - Master Project	09/05/2008		\$ 1,134,842.00	\$ 3,665.95		SNPLMA R8		
1012D	DT Occupancy Sampling Crews II	Knight & Leavitt Assoc	01/27/2015	09/30/2018			\$ 742,443.20	SNPLMA R8		AMP Project 4
1014	Permit Amendment Transition	Desert Conservation Program - Master Project			\$ 1,010,299.07	\$ -		S10 07-09		
1014J	Legal Services for DCP	Ebbin Moser & Skaqgs, LLP	07/01/2016	04/30/2020			\$ 193,564.13	S10 07-09	901G	Prog Admin Project 2
1405	MSHCP Fee Consolidation	Desert Conservation Program - Master Project	07/01/2013		\$ 300,000.00	\$ 300,000.00		S10 13-15		

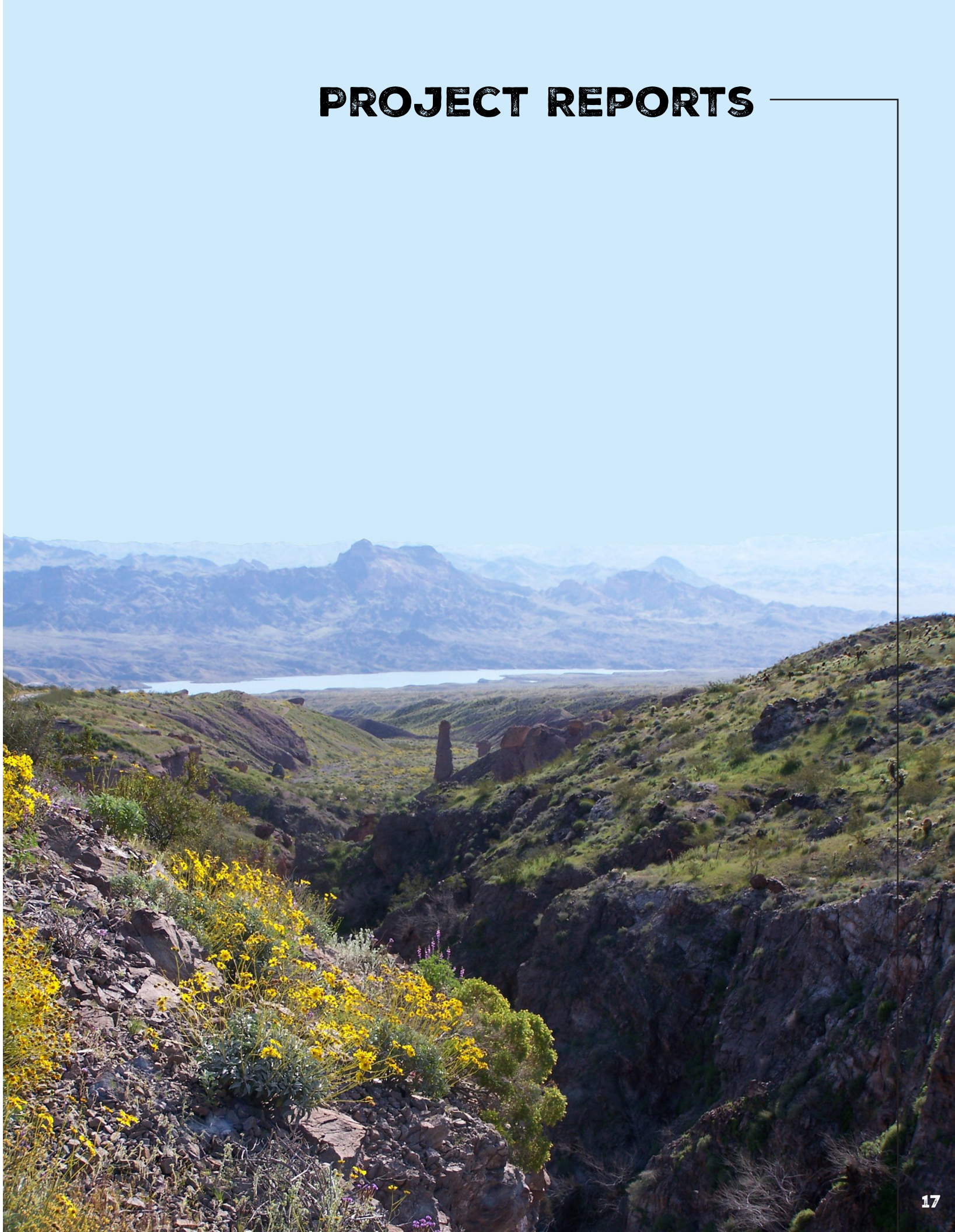
Project Number	Master Project/Contract Title	Lead Agency/Contractor	Contract/Budget Start Date	Contract End Date	Budget Amount (Master Projects)	Unallocated Budget Remaining (Master Projects)	Contract Award Amount	Funding Source	Split Funding	Report Reference
1410	Adaptive Management Program-Baseline	Desert Conservation Program - Master Project	07/01/2013		\$ 374,800.00	\$ 5,959.88		S10 13-15		
1410C	Science Advisor Panel for the DCP	Alta Sciences & Engineering, Inc.	01/26/2016	01/31/2020			\$ 374,642.00	S10 13-15		AMP Project 1
1411	Adaptive Management Program-DT Modeling	Desert Conservation Program - Master Project	07/01/2013		\$ 20,000.00	\$ -		S10 13-15		
1411A	Science Advisor (W/1410 & 901)	Terragraphics	01/26/2016	01/31/2020			\$ 20,000.00	S10 13-15	901F, 1410C	AMP Project 1
1412	Adaptive Management Program-DT Monitoring	Desert Conservation Program - Master Project	07/01/2013		\$ 83,350.00	\$ -		S10 13-15		
1412D	BCCE DT Telemetry and Health Assessments	Great Basin Institute	11/13/2018	12/28/2023			\$ 56,435.34	S10 13-15	719AA, 1455D, 1540D, 1545B, 1740B	Wild DT Project 2
1420	BCCE Management	Desert Conservation Program - Master Project	07/01/2013		\$ 330,000.00	\$ 557.64		S10 13-15		
1420E	BCCE Law Enforcement (partial with 1510A)	City of Boulder City	08/05/2015	09/26/2017			\$ 34,664.00	S10 13-15	1510A	BCCE Project 1
1420J	Reserves Maintenance & Tools FY18	American Express	08/01/2017	06/30/2018			\$ 2,400.00	S10 13-15		BCCE Project 1
1420K	Slow Signage for Eldorado Valley Drive	SmartSign	09/15/2017	06/30/2018			\$ 92.60	S10 13-15		BCCE Project 1
1420L	Route G Desert Tortoise Guard	Maile Concrete	05/11/2018	08/11/2018			\$ 5,520.10	S10 13-15	910Z	BCCE Project 1
1420M	Reserves maintenance & Tools FY19	American Express	07/01/2018	06/30/2019			\$ 2,400.00	S10 13-15		BCCE Project 1
1420N	Acquisition of Dead End Sign	Pictographics	07/09/2018	06/30/2019			\$ 145.00	S10 13-15		BCCE Project 1
1420P	Rekey Two Locks at 4701 W. Russell Road	ABC Locksmiths	08/14/2018	06/30/2019			\$ 107.00	S10 13-15		BCCE Project 1
1420Q	Acquisition of Dead End Sign	Pictographics	10/30/2018	06/30/2019			\$ 145.00	S10 13-15		BCCE Project 1
1420R	Route E Flooding Signage	Signarama	03/12/2019	06/30/2019			\$ 75.41	S10 13-15		BCCE Project 1
1420S	Acquisition of GPS Logger for BCPD Patrols	LandAirSea Systems	04/29/2019	06/30/2019			\$ 254.90	S10 13-15		BCCE Project 1
1420T	GNSS Receiver Rental	Frontier Precision	04/29/2019	06/30/2019			\$ 50.00	S10 13-15		BCCE Project 1
1421	BCCE Restoration	Desert Conservation Program - Master Project	07/01/2013		\$ 250,000.00	\$ 11,358.41		S10 13-15		
1421B	BCCE DT Predation Study -Phase 2 Amendment	Conservation Science Research & Consulting	03/24/2017	11/15/2018			\$ 191,758.00	S10 13-15		AMP Project 5
1440	Other Property Management	Desert Conservation Program - Master Project	07/01/2013		\$ 10,000.00	\$ 8,600.00		S10 13-15		
1442	Fencing	Desert Conservation Program - Master Project	07/01/2013		\$ 100,000.00	\$ -		S10 13-15		
1442A	Energy Zone Fencing (w/804 & 1525)	Muller Construction	06/01/2016	12/31/2017			\$ 100,000.00	S10 13-15	804F, 1525A	BCCE Project 3
1445	Riparian Property Management	Desert Conservation Program - Master Project	07/01/2013		\$ 103,000.00	\$ -		S10 13-15		
1445C	Muddy River Grading Plan (w/722&805)	Louis Berger Engineering	07/01/2016	06/30/2020			\$ 19,142.55	S10 13-15	722K, 805AD	Riparian Project 3
1445E	Water Rights Consulting (w/805)	Farr West Engineering	12/01/2016	08/15/2019			\$ 11,943.30	S10 13-15	805AE	Riparian Project 8
1445F	Lower Virgin River Integrated Watershed Plan	The Nature Conservancy (TNC) of Nevada	05/01/2017	01/15/2019			\$ 10,000.00	S10 13-15		Riparian Project 2
1445H	Riparian Rsv Units Prop Maint (w/1520)	Eagle View Contractors, Inc.	11/09/2017	03/31/2019			\$ 27,865.36	S10 13-15	1520M	Riparian Project 1
1446	Riparian Prop Restoration - Phase II	Desert Conservation Program - Master Project	08/19/2014		\$					

MASTER LIST OF PROJECTS

Project Number	Master Project/Contract Title	Lead Agency/Contractor	Contract/ Budget Start Date	Contract End Date	Budget Amount (Master Projects)	Unallocated Budget Remaining (Master Projects)	Contract Award Amount	Funding Source	Split Funding	Report Reference
1521D	Herbicide Acquisition for Mormon Mesa Restoration	Helena Chemical Company	01/04/2018	06/30/2018			\$ 9,517.00	SNPLMA R15		Riparian Project 6
1521E	Virgin River Riparian Restoration	Nevada Division of Forestry (NDF) - Carson City	11/12/2018	04/30/2020			\$ 80,000.00	SNPLMA R15		Riparian Project 6
1521F	Herbicide Acquisition	Helena Chemical Company	11/09/2018	06/30/2019			\$ 9,397.00	SNPLMA R15		Riparian Project 6
1521Z	Mormon Mesa Restoration Project	Nevada Division of Forestry (NDF) - Las Vegas	12/01/2017	06/30/2019			\$ -	SNPLMA R15		Riparian Project 6
1525	Wildlife Fencing	Desert Conservation Program - Master Project	07/01/2015		\$ 426,197.00	\$ 175,887.40		S10 15-17		
1525A	Energy Zone Fencing (w/804 & 1442)	Muller Construction	06/01/2016	12/31/2017			\$ 238,698.37	S10 15-17	804F, 1442A	BCCE Project 3
1525B	Tule Springs Cultural Resource Survey	HRA, Inc	05/30/2017	01/08/2018			\$ 11,556.25	S10 15-17		Cons Project 1
1535	RIPARIAN RSV UNITS BASELINE BIRD SURVEYS	Desert Conservation Program - Master Project	07/01/2015		\$ 52,867.00	\$ -		S10 15-17		
1535A	Federally Listed Bird Surveys	SWCA Environmental Consultants	03/15/2017	11/30/2017			\$ 30,382.00	S10 15-17		AMP Project 3
1535B	Point Count Surveys on Riparian Properties	SWCA Environmental Consultants	03/01/2017	10/15/2017			\$ 18,186.00	S10 15-17		AMP Project 3
1535C	Avian Surveys on Riparian Props (w/1730)	SWCA Environmental Consultants	04/19/2018	12/30/2018			\$ 4,299.00	S10 15-17	1730E	AMP Project 3
1540	DESERT TORTOISE MONITORING	Desert Conservation Program - Master Project	07/01/2015		\$ 492,576.00	\$ -		S10 15-17		
1540C	Desert Tortoise Range-Wide Mon (w/1541B)	Great Basin Institute	04/23/2018	12/04/2020			\$ 55,214.26	S10 15-17	1541B	AMP Project 2
1540D	BCCE DT Telemetry and Health Assessments	Great Basin Institute	04/26/2018	12/28/2023			\$ 22,833.00	S10 15-17	719AA, 1412D, 1455D, 1545B, 1740B	Wild DT Project 2
1541	DESERT TORTOISE MONITORING-SNPLMA	Desert Conservation Program - Master Project	07/01/2015		\$ 1,077,373.00	\$ -		SNPLMA R15		
1541A	DT Monitoring Data Management Year 2-5	US Fish & Wildlife Service (USFWS) - Las Vegas	10/07/2016	10/30/2019			\$ 153,361.00	SNPLMA R15		AMP Project 2
1541B	Desert Tortoise Range-Wide Monitoring	Great Basin Institute	12/05/2016	12/04/2020			\$ 924,012.00	SNPLMA R15	1540C	AMP Project 2
1545	Post-translocation DT Monitoring	Desert Conservation Program - Master Project	07/01/2015		\$ 350,000.00	\$ -		S10 15-17		
1545A	DT Telemetry on the BCCE (Yr 2 & 3)	Great Basin Institute	11/01/2015	10/31/2017			\$ 341,652.47	S10 15-17	719X, 1450B, 1740A	Wild DT Project 2
1545B	BCCE DT Telemetry and Health Assessments	Great Basin Institute	04/26/2018	12/28/2023			\$ 8,347.53	S10 15-17	719AA, 1412D, 1455D, 1540D, 1740B	Wild DT Project 2
1550	Relict Leopard From Consv Planning & Imp	Desert Conservation Program - Master Project	07/01/2015		\$ 184,050.00	\$ -		S10 15-17		
1550A	Relict Leopard Frog Consv Plan and Impl	University of Nevada (UNLV) - Board of Regents	06/01/2016	04/30/2020			\$ 184,050.00	S10 15-17		Cons Project 2
1560	TEMP HOLDING FACILITY FOR DISPLACED DT	Desert Conservation Program - Master Project	07/01/2015		\$ 250,000.00	\$ 250,000.00		S10 15-17		
1570	Restoration on the Clark County Muddy River Riparian Reserve Unit	Desert Conservation Program - Master Project	03/01/2017		\$ 2,770,000.00	\$ 2,746,000.25		SNPLMA R16		
1570B	Muddy River Restoration Plan	Fred Phillips Consulting, LLC	06/05/2017	06/30/2018			\$ 23,999.75	SNPLMA R16		Riparian Project 5
1580	Tortoise Connectivity	Desert Conservation Program - Master Project	03/01/2017		\$ 2,448,000.00	\$ 2,353,200.01		SNPLMA R16		
1580A	Desert Tortoise Connectivity Modeling	University of Nevada Reno (UNR) - BRRC	02/22/2018	10/15/2019			\$ 94,799.99	SNPLMA R16		AMP Project 6
1700	MSHCP ADMINISTRATION 17-19	Desert Conservation Program - Master Project	07/01/2017		\$ 4,643,266.00	\$ 1,602,816.55		S10 17-19		
1700A	2015-2017 BPR Editing and Printing	Jackson Media Works	07/15/2017	06/30/2018			\$ 3,150.00	S10 17-19		Prog Admin Project 1
1700B	Office Supplies - Admin FY18	Staples	07/01/2017	06/30/2018			\$ 5,110.69	S10 17-19		Prog Admin Project 1
1700C	First Aid & Safety Supplies FY18	Cintas First Aid & Safety	07/01/2017	06/30/2018			\$ 200.00	S10 17-19		Prog Admin Project 1
1700D	Uniform Apparel - FY18	Logo Apparel	07/01/2017	06/30/2018			\$ 600.00	S10 17-19		Prog Admin Project 1
1700E	Document Shredding and Container FY18	Opportunity Village	07/01/2017	06/30/2018			\$ 150.00	S10 17-19		Prog Admin Project 1
1700F	Lot 4 - Safety Shoes for Staff FY18	Red Wing Shoes of America	07/01/2017	06/30/2018			\$ 550.00	S10 17-19		Prog Admin Project 1
1700G	Acquisition of DCP Storage Cabinets	Haworth, Inc	11/13/2017	06/30/2018			\$ 1,623.76	S10 17-19		Prog Admin Project 1
1700H	Design Option Drawings	Facilities	11/13/2017	06/30/2018			\$ 275.00	S10 17-19		Prog Admin Project 1
1700J	Acquisition of Computers	Dell Marketing LP	03/22/2018	06/30/2018			\$ 12,585.73	S10 17-19		Prog Admin Project 1
1700K	Office Supplies - Admin FY19	Staples	07/01/2018	06/30/2019			\$ 4,950.00	S10 17-19		Prog Admin Project 1
1700L	First Aid & Safety Supplies FY19	Cintas First Aid & Safety	07/01/2018	06/30/2019			\$ 200.00	S10 17-19		Prog Admin Project 1
1700M	Uniform Apparel FY19	Logo Apparel	07/01/2018	06/30/2019			\$ 600.00	S10 17-19		Prog Admin Project 1
1700N	Document Shredding and Container FY19	Opportunity Village	07/01/2018	06/30/2019			\$ 150.00	S10 17-19		Prog Admin Project 1
1700P	Lot 4 - Safety Shoes for Staff FY19	Red Wing Shoes of America	07/01/2018	06/30/2019			\$ 550.00	S10 17-19		Prog Admin Project 1
1700Q	Acquisition of Replacement Laptop	Dell Marketing LP	09/10/2018	06/30/2019			\$ 1,192.97	S10 17-19		Prog Admin Project 1
1700R	Acquisition of Plotter	Monsen Engineering	01/19/2019	06/30/2019			\$ 5,253.00	S10 17-19		Prog Admin Project 1
1710	BCCE Management and Law Enforcement	Desert Conservation Program - Master Project	07/01/2017		\$ 420,400.00	\$ 76,083.71		S10 17-19		
1710A	Law Enforcement for the BCCE	Boulder City Conservation Easement Law Enforcement	08/01/2017	08/19/2019			\$ 250,016.29	S10 17-19		BCCE Project 1
1710B	BCCE Weed Survey	National Park Service (NPS)	12/19/2017	11/30/2019			\$ 61,000.00	S10 17-19		BCCE Project 1
1710C	BCCE Maintenance	Turf Tech, Inc	01/03/2018	12/31/2019			\$ 45,000.00	S10 17-19		BCCE Project 1
1715	Public Information, Education, and Outreach	Desert Conservation Program - Master Project	07/01/2017		\$ 401,406.00	\$ 167,785.98		S10 17-19		
1715A	Mojave Max Education Program	Outside Las Vegas Foundation	08/01/2017	07/31/2020			\$ 231,797.23	S10 17-19	1515AC	PIE Project 1
1715B	Acquisition of Lip Moisturizer Balls	Skyhigh Marketing	12/04/2017	06/30/2018			\$ 710.00	S10 17-19		PIE Project 1
1715C	Acquisition of Ear Buds	Skyhigh Marketing	12/04/2017	06/30/2018			\$ 1,025.00	S10 17-19		PIE Project 1
1715D	Acquisition of Tortoise Paper Clips	Skyhigh Marketing	12/04/2017	06/30/2018			\$ 1,550.00	S10 17-19		PIE Project 1
1715E	Acquisition of Plastic Conference Bags	Morqan Specialties, Inc.	12/21/2017	06/30/2018			\$ 375.63	S10 17-19		PIE Project 1
1715F	Acquisition of Beeswax Lip Balm	Logo Fusion USA, Inc.	12/11/2017	06/30/2018			\$ 586.00	S10 17-19		PIE Project 1
1715G	Acquisition of Fidget Spinners	Logo Fusion USA, Inc.	01/03/2018	06/30/2018			\$ 895.00	S10 17-19		PIE Project 1
1715H	Acquisition of DT Stress Balls	Bluetrack, Inc	01/01/2018	06/30/2018			\$ 1,250.00	S10 17-19		PIE Project 1
1715J	Acquisition of Learn to the Max Patches	AB UnLimited Worldwide	02/07/2018	06/30/2018			\$ 855.00	S10 17-19		PIE Project 1
1715K	Acquisition of flower Highlighters	AB UnLimited Worldwide	02/12/2018	06/30/2018			\$ 1,490.00	S10 17-19		PIE Project 1
1715L	Acquisition of Learn to the Max Tote Bags	AB UnLimited Worldwide	04/02/2018	06/30/2018			\$ 600.00	S10 17-19		PIE Project 1
1715M	Acquisition of Learn to the Max Crayon Sets	AB UnLimited Worldwide	04/02/2018	06/30/2018			\$ 875.00	S10 17-19		PIE Project 1
1715N	Educational Classroom Resources	Acorn Naturalists	04/23/2018	06/30/2018			\$ 714.89	S10 17-19		PIE Project 1

Project Number	Master Project/Contract Title	Lead Agency/Contractor	Contract/ Budget Start Date	Contract End Date	Budget Amount (Master Projects)	Unallocated Budget Remaining (Master Projects)	Contract Award Amount	Funding Source	Split Funding	Report Reference
1715P	Acquisition of DCP Pens	Logo Fusion USA, Inc.	03/21/2019	06/30/2019			\$ 820.00	S10 17-19		PIE Project 1
1715Q	Acquisition of Natural Beeswax Lip Balm	My Promos&Apparel	04/17/2019	06/30/2019			\$ 486.20	S10 17-19		PIE Project 1
1715R	Acquisition of Mojave Max Sunglasses	Skyhigh Marketing	04/17/2019	06/30/2019			\$ 1,238.00	S10 17-19		PIE Project 1
1715S	Graphics Design for DCP Pamphlets	MYS Project and Brand Management	05/08/2019	06/30/2019			\$ 1,625.00	S10 17-19		PIE Project 1
1715T	Acquisition of Mo Max Stress Balls	Bluetrack, Inc	05/16/2019	06/30/2019			\$ 6,505.00	S10 17-19		PIE Project 1
1715U	DCP Graphics Design	Paper Zombies	05/16/2019	06/30/2019			\$ 75.00	S10 17-19		PIE Project 1
1720	Riparian Properties Baseline Mgmt	Desert Conservation Program - Master Project	07/01/2017		\$ 275,600.00	\$ 131,753.17		S10 17-19		
1720A	Virgin River Weed Management	National Park Service (NPS)	02/21/2018	03/15/2021			\$ 143,000.00	S10 17-19		Riparian Project 1
1720C	Field Supplies for Riparian Reserves	Forestry Suppliers	11/27/2018	06/30/2019			\$ 383.73	S10 17-19		Riparian Project 1
1720D	MR Vegetation Clearing (w/1520P & 805AF)	Eagle View Contractors, Inc.	12/18/2018	05/31/2019			\$ 187.28	S10 17-19	805AF, 1520P	Riparian Project 4
1725	Fencing Installation and Maintenance	Desert Conservation Program - Master Project	07/01/2017		\$ 45,000.00	\$ 45,000.00		S10 17-19		
1730	Adaptive Management Program	Desert Conservation Program - Master Project	07/01/2017		\$ 986,000.00	\$ 111,960.32		S10 17-19		
1730A	Science Advisor Panel for the DCP	Alfa Sciences & Engineering, Inc.	01/21/2018	02/20/2020			\$ 486,074.90	S10 17-19		AMP Project 1
1730B	VR and MR Property LIDAR Acquisition	Southern NV Water Authority (SNWA)	03/20/2018	12/31/2018			\$ 83,524.63	S10 17-19		AMP Project 3
1730C	Desert Upland Baseline Bird Surveys	SWCA Environmental Consultants	04/25/2018	10/15/2018			\$ 19,989.00	S10 17-19		AMP Project 3
1730D	Desert Upland Baseline Sm Mammal Surveys	Newfields	04/25/2018	09/15/2018			\$ 24,650.00	S10 17-19		AMP Project 3
1730E	Avian Surveys on Riparian Props (w/1535)	SWCA Environmental Consultants	04/19/2018	12/30/2018			\$ 50,620.00	S10 17-19	1535C	AMP Project 3
1730G	Acquisition of Telescoping Poles	Forestry Suppliers	05/08/2018	06/30/2018			\$ 181.42	S10 17-19		AMP Project 3
1730H	Acquisition of Acoustic Analysis Software	Wildlife Acoustics, Inc.	07/01/2018	06/30/2020			\$ 798.00	S10 17-19		AMP Project 3
1730J	Effects of Exotic Forage on Mojave DT	US Geological Survey (USGS) - Western Eco Rsrch Ctr	01/07/2019	01/30/2020			\$ 49,881.49	S10 17-19		AMP Project 7
1730K	Avian Species Surveys	SWCA Environmental Consultants	04/10/2019	12/31/2023			\$ 100,084.00	S10 17-19		AMP Project 3
1730M	Desert Upland Small Mammal Surveys II	BEC Environmental, Inc.	02/20/2019	08/30/2019			\$ 49,910.00	S10 17-19		AMP Project 3
1735	Current Status and Conservation Knowledge Reports for State-listed Plants	Desert Conservation Program - Master Project	07/01/2017		\$ 60,000.00	\$ 60,000.00		S10 17-19		
1740	Desert Tortoise Translocation - S10	Desert Conservation Program - Master Project	07/01/2017		\$ 200,000.00	\$ 44,394.62		S10 17-19		
1740A	DT Telemetry on the BCCE (Yr4)	Great Basin Institute	11/01/2017	12/28/2018			\$ 181,722.45	S10 17-19	719X, 1450B, 1545A	Wild DT Project 2
1740B	BCCE DT Telemetry and Health Assessments	Great Basin Institute	04/26/2018	12/28/2023			\$ 8,675.36	S10 17-19	719AA, 1412D, 1455D, 1540D, 1545B	Wild DT Project 2
1741	Desert Tortoise Translocation - SNPLMA	Desert Conservation Program - Master Project	07/01/2017		\$ 442,071.00	\$ 442,071.00		SNPLMA R17		
1745	BCCE Restorations	Desert Conservation Program - Master Project	07/01/2017		\$ 151,031.00	\$ 151,031.00		S10 17-19		
1750	Riparian Reserve Units Restoration	Desert Conservation Program - Master Project	07/01/2017		\$ 378,156.00	\$ 370,583.00		S10 17-19		
1750A	Virgin River Drone Imagery	SWCA Environmental Consultants	11/02/2018	03/29/2019			\$ 7,573.00	S10 17-19		Riparian Project 6

PROJECT REPORTS



1. 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.

PROGRAM AREA

PROGRAM ADMINISTRATION AND PERMIT COMPLIANCE

Prog Admin Project 1 MSHCP Administration

DCP 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 \$4,099,884.20 in mitigation fees for 7,472.72 acres of land disturbance in the 2017-2019 biennium.
- Completed the 2015-2017 Biennium Progress Report.
- Completed the 2019-2021 Implementation Plan and Budget.
- Completed 8 Quarterly Plan Administrator Updates.
- Prepared and submitted fiscal year budgets to the Clark County Budget Office.
- Completed the process to establish the Desert Tortoise specialty license plate; production is ongoing and plates are being distributed at Department of Motor Vehicle offices across the state.
- Completed recruitment process to hire a new Environmental Specialist.
- Provided staff support for the development of a proposed lands bill that would achieve a variety of economic diversification and conservation goals for the County.
- Provided staff support for the Off-highway Vehicle Advisory Committee.
- Continued process development for centralized fee collection of disturbance 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 2019 state legislative session for potential impacts to the program.
- Provided data, maps, and documents to interested parties and regulatory agencies as requested.
- Participated on environmental advisory committees for the revision of the Clark County Comprehensive Plan.
- Served on the Technical Advisory Committee for the Nellis Joint Land Use Study.
- Served as a cooperating agency in the development of two Environmental Impact Statements for renewable energy projects.
- Served as a cooperating agency to the BLM's Resource Management Plan revision prior to its termination.

Summary of Project Management Statistics:

- Provided administration, project/contract management, and implementation for 93 Section 10-funded contracts and 10 SNPLMA-funded contracts.
- Administered 85 purchase orders for goods and services.
- Provided administration, project/contract management, and implementation for 8 SNPLMA grants; 2 Round 8 grants, 2 Round 14 grants, 2 Round 15 grants, and 2 Round 16 grants.
- Received 588 invoices, processed 563 invoices, and rejected 15 invoices for corrective action.
- Received and reviewed 591 deliverables from contract projects, tracked 34 delinquent deliverables, accepted 555 deliverables, and rejected 9 deliverables for corrective action.
- Confirmed 341 contract milestones.

Master Budget: \$4,643,266.00 Unspent Funds: \$1,602,816.55

Associated Purchase Orders				
PO Number	Vendor	PO Title	PO Amount	Funding Source
1700E	Opportunity Village	Document Shredding and Container FY18	\$150.00	S10 2017-2019
1700C	Cintas First Aid & Safety	First Aid & Safety Supplies FY18	\$200.00	S10 2017-2019
1700F	Red Wing Shoes of America	Lot 4 - Safety Shoes for Staff FY18	\$550.00	S10 2017-2019
1700B	Staples	Office Supplies - Admin FY18	\$5,110.69	S10 2017-2019
1700D	Logo Apparel	Uniform Apparel - FY18	\$600.00	S10 2017-2019
1700A	Jackson Media Works	2015-2017 BPR Editing and Printing	\$3,150.00	S10 2017-2019
1700G	Haworth, Inc	Acquisition of DCP Storage Cabinets	\$1,623.76	S10 2017-2019
1700H	Faciliteq	Design Option Drawings	\$275.00	S10 2017-2019
1700J	Dell Marketing LP	Acquisition of Computers	\$12,585.73	S10 2017-2019
1700L	Cintas First Aid & Safety	First Aid & Safety Supplies FY19	\$200.00	S10 2017-2019
1700N	Opportunity Village	Document Shredding and Container FY19	\$150.00	S10 2017-2019
1700P	Red Wing Shoes of America	Lot 4 - Safety Shoes for Staff FY19	\$550.00	S10 2017-2019
1700K	Staples	Office Supplies - Admin FY19	\$4,950.00	S10 2017-2019
1700M	Logo Apparel	Uniform Apparel FY19	\$600.00	S10 2017-2019
1700Q	Dell Marketing LP	Acquisition of Replacement Laptop	\$1,192.97	S10 2017-2019
1700R	Monsen Engineering	Acquisition of Plotter	\$5,253.00	S10 2017-2019

PROGRAM AREA

PROGRAM ADMINISTRATION AND PERMIT COMPLIANCE

Prog Admin Project 2 Permit Amendment

DCP 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

Contract Title: Covered Species Analysis Support

Contract Number: 901B

Vendor: Southwest Ecology, LLC

Contract Amount: \$460,256.47

Funding Source: S10 2011-2013

Contract Term: 01/14/2016 to 05/01/2018

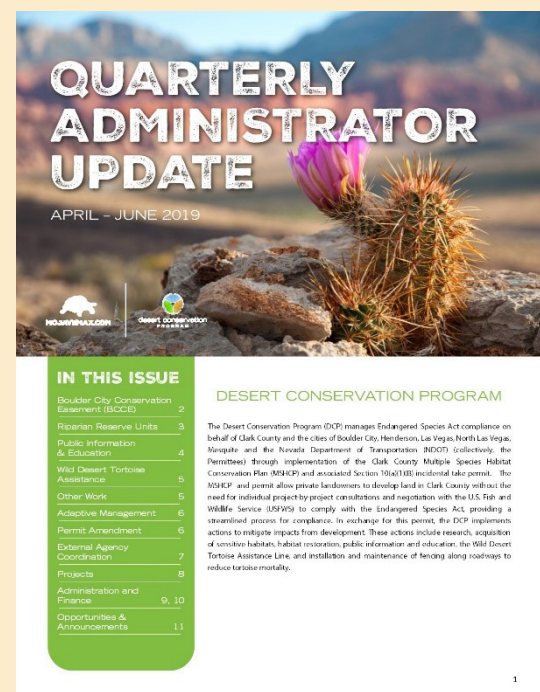
Contract Status: Complete

Unspent Funds: \$0.00

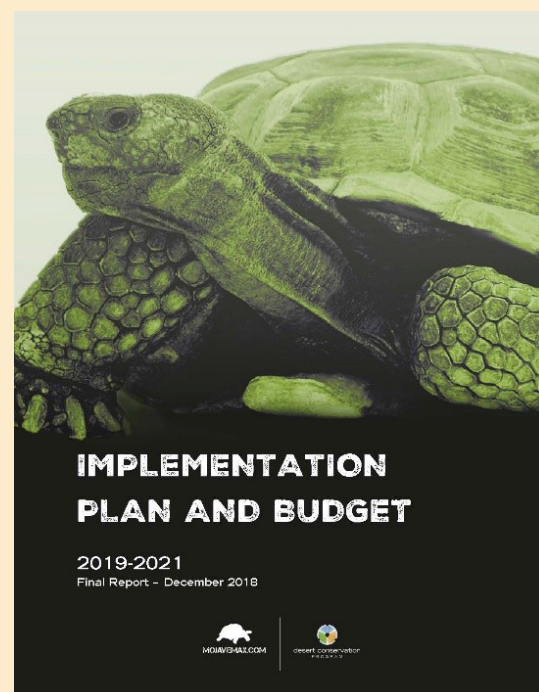
The project was structured into 6 quarterly installments of species accounts (create and update), and species modeling packages. Following peer review the comments and suggestions were included into a final report. GIS analyses of predicted species habitat suitability and the amount in ecosystems, conservation areas, and development areas was also be conducted for all species and included in the final report. The project is 100% completed, with species accounts 100% completed, and the final report was submitted on 3/22/2018.

Accomplishments:

- Produced new species accounts for 38 species that had no previous account.
- Completed updates on 18 species with species accounts that were prepared in earlier efforts of the MSHCP.
- Developed species habitat models for 31 species without prior models.
- Reviewed species habitat models for all 25 species that had models previously developed.



Quarterly Plan Administrator Update report



2019-2021 Implementation Plan and Budget report

Contract 2

Contract Title: Legal Services for DCP

Contract Number: 901G, 1014J

Vendor: Ebbin Moser & Skaggs, LLP

Contract Amount: \$200,000.00

Funding Source: S10 2007-2009, 2011-2013

Contract Term: 07/01/2016 to 04/30/2020

Contract Status: In progress

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.
- Reviewed various documents and analyses related to the amended MSHCP.

Contract 3

Contract Title: HCP Consultant for the MSHCP Amend

Contract Number: 901H, 1460A

Vendor: WRA Environmental Consultants

Contract Amount: \$400,000.00

Funding Source: S10 2011-2013, 2013-2015

Contract Term: 02/01/2017 to 01/31/2022

Contract Status: In progress

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.

Accomplishments:

- Attended and participated in coordination meetings and conference calls with Clark County and USFWS;
- Completed revision of draft Chapters 1,2, and 4 (as outlined in USFWS/NMFS 2016 HCP Handbook) of amended MSCHP
 - Chapter 1 - Introduction
 - Chapter 2 – Project Description and Covered Activities
 - Chapter 4 – Environmental Setting & Biological Resources;
- Completed review of 63 species covered under the existing MSHCP and completed list of 28 species recommended to be covered under amended MSHCP;
- Produced Migratory Bird Treaty Act review of feasibility of including migratory birds given current USFWS policy, regulations, etc.;
- Completed Climate Change Summary Worksheet 1 memorandums for 23 proposed covered species;
- Completed memorandum summarizing outcome of Habitat Functionality Methods Review, and Meeting, and data needs for testing and/or drafting quantification methods;
- Initiated efforts to develop a habitat functionality/quantification methodology for the covered species that will quantify impacts and obtain preliminary estimates of take that will form the foundation for the Conservation Strategy.

Contract 4

Contract Title: Economic Analysis of a Regional HCP

Contract Number: 1460B

Vendor: Applied Analysis

Contract Amount: \$49,100.00

Funding Source: S10 2013-2015

Contract Term: 03/07/2017 to 08/31/2017

Contract Status: Complete

Unspent Funds: \$0.00

Provided for an independent economic analysis of the MSHCP. The results of this analysis are shared with local developers, stakeholders, government decision-makers, and regulatory agencies to support negotiations for an amended MSHCP.

Accomplishments:

- The economic analysis found that the MSHCP has been responsible for an estimated annual average of \$4.7 billion of economic output since 2001 and that continuation of the program is anticipated to support an additional 16,041 person-years of employment, \$0.8 billion of labor income, \$2.4 billion of economic output, and nearly \$1.4 billion added to the gross domestic product.

Contract 5

Contract Title: Facilitate Climate Change Workshop

Contract Number: 1460C

Vendor: Adaptation Insight

Contract Amount: \$3,500.00

Funding Source: S10 2013-2015

Contract Term: 08/14/2017 to 12/29/2017

Contract Status: Complete

Unspent Funds: \$0.00

Accomplishments:

- Conducted a 2-day workshop that provided training to Desert Conservation Program staff and consultants on the latest policies and practices for incorporating climate change analyses into a Habitat Conservation Plan application package.
- Prepared a summary of the workshop that included recommendations on incorporating climate change analyses into the MSHCP amendment application package.

Contract 6

Contract Title: Joshua Tree Habitat Model

Contract Number: 1460D

Vendor: Southwest Ecology, LLC

Contract Amount: \$14,200.00

Funding Source: S10 2013-2015

Contract Term: 09/18/2017 to 04/16/2018

Contract Status: Complete

Unspent Funds: \$0.00

Accomplishments:

- Prepared a habitat suitability model and species account summary for Joshua tree.

Contract 7

Contract Title: Species Distribution Modeling, Phase II

Contract Number: 1460E

Vendor: University of Nevada Reno

Contract Amount: \$115,720.00

Funding Source: S10 2013-2015

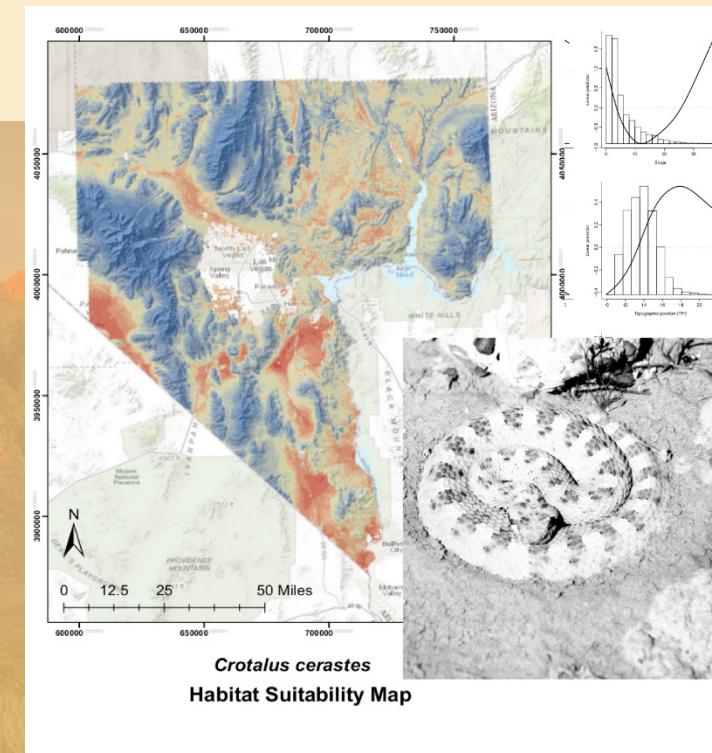
Contract Term: 04/01/2019 to 03/13/2020

Contract Status: In progress

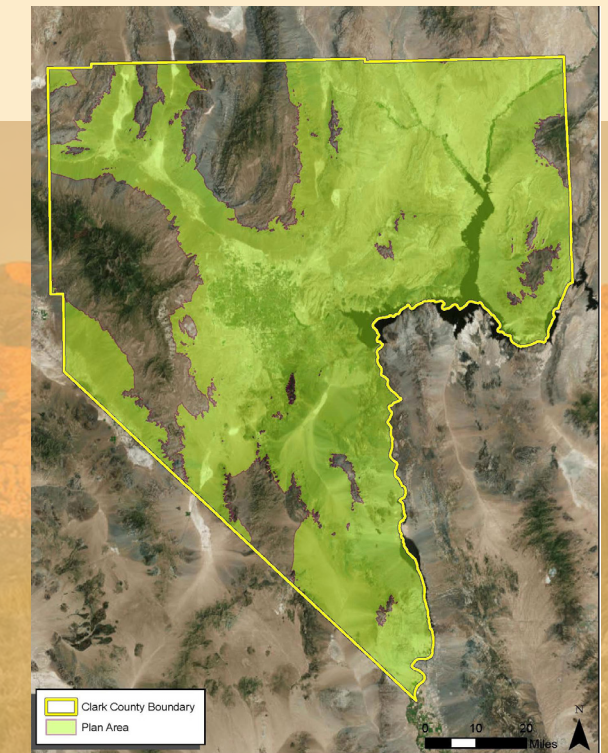
This project is structured into three deliverables of species modeling packages, to include GIS analyses of predicted species habitat suitability and the amount in ecosystems, conservation areas, and development areas for all species. Under this interlocal agreement, UNR will prepare habitat suitability models for 17 species proposed for coverage under the MSHCP amendment. A species account summary for *Parish phacelia* will also be completed.

Accomplishments:

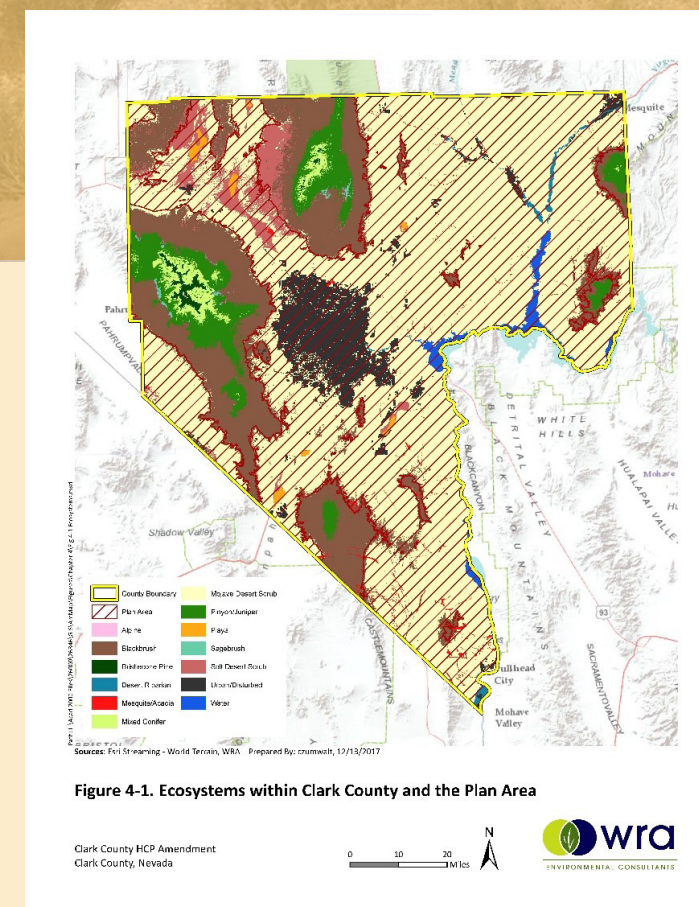
- Project was kicked off on April 1, 2019.
- The first species modeling packages will be delivered in the next biennium.



Habitat Suitability Map for Sidewinder
(*Crotalus cerastes*)



Map of the MSHCP Amendment
proposed Plan Area



Ecosystem map of the MSHCP
Amendment proposed Plan Area



Photo of typical Joshua tree habitat
(by Ken Nussear)

2. 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 87,268 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.

PROGRAM AREA

BCCE

BCCE Project 1 BCCE Management

DCP Project Contact John Brekke
Project Coordinator
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

Contract Title: Route G Desert Tortoise Guard

Contract Number: 910Z, 1420L

Vendor: Maile Concrete

Contract Amount: \$7,800.00

Funding Source: S10 2011-2013, 2013-2015

Contract Term: 05/11/2018 to 08/11/2018

Contract Status: Complete

Unspent Funds: \$0.00

Contract 1 (cont.)

Accomplishments:

- Removed a gate from Route G south of State Route 165.
- Installed one desert tortoise guard to protect desert tortoise populations in the vicinity.

Contract 2

Contract Title: BCCE Restore & Repair

Contract Number: 910S

Vendor: Muller Construction

Contract Amount: \$14,285.34

Funding Source: S10 2011-2013

Contract Term: 10/05/2016 to 10/31/2017

Contract Status: Complete

Unspent Funds: \$937.34

Accomplishments:

- Cleaned out two cattle guards that had filled with debris.
- Fenced off six cattle guards located on closed roads.
- Added rock to roadway at three desert tortoise guards to limit erosion at those sites.

Contract 3

Contract Title: BCCE Weed Survey

Contract Number: 910R

Vendor: National Park Service

Contract Amount: \$35,000.00

Funding Source: S10 2011-2013

Contract Term: 11/01/2016 to 10/15/2017

Contract Status: Complete

Unspent Funds: \$0.00

Accomplishments:

- Completed Spring/Summer Weed Survey and Control.
- Completed Final Report and submitted Final Project Data.

Contract 4

Contract Title: BCCE Weed Survey

Contract Number: 1710B

Vendor: National Park Service

Contract Amount: \$61,000.00

Funding Source: S10 2017-2019

Contract Term: 12/19/2017 to 11/30/2019

Contract Status: In Progress

Contract 4 (cont.)

Accomplishments:

- Completed 6 Quarterly Progress Reports.
- Completed Annual Report and Annual Project Data.
- Completed Two Spring/Summer Weed Surveys and Control.
- Completed two Annual Work Plans.
- Completed two Winter Weed Surveys and Control.

Contract 5

Contract Title: BCCE Maintenance

Contract Number: 1710C

Vendor: Turf Tech, Inc.

Contract Amount: \$45,000.00

Funding Source: S10 2017-2019

Contract Term: 01/03/2018 to 12/31/2019

Contract Status: In progress

Accomplishments:

- Completed three surveys to assess damage to desert tortoise fencing after rain events.
- Repaired damage due to rain events to desert tortoise fencing at 35 locations.
- Closed Route H at south border and created a turnaround.

Associated Purchase Orders				
PO Number	Vendor	PO Title	PO Amount	Funding Source
910T	Pictographics	BCCE Limited Use Signs	\$565.00	S10 2011-2013
910X	Pictographics	Limited Use & Authorized Road Signage	\$620.00	S10 2011-2013
910Y	Pictographics	BCCE Limited Use Signs	\$320.00	S10 2011-2013
1420J	American Express	Reserves Maintenance & Tools FY18	\$2,400.00 (\$2,051.80 unspent)	S10 2011-2013
1420K	SmartSign	Slow Signage for Eldorado Valley Drive	\$92.60	S10 2011-2013
1420L	Maile Concrete	Route G Desert Tortoise Guard	\$5,520.10	S10 2013-2015
1420M	American Express	Reserves maintenance & Tools FY19	\$2,400.00 (\$2,400.00 unspent)	S10 2013-2015
1420N	Pictographics	Acquisition of Dead End Sign	\$145.00	S10 2017-2019
1420P	ABC Locksmiths	Rekey Two Locks at 4701 W. Russell Road	\$107.00	S10 2013-2015
1420Q	Pictographics	Acquisition of Dead End Sign	\$145.00	S10 2013-2015
1420R	Signarama	Route E Flooding Signage	\$75.41	S10 2013-2015
1420S	LandAirSea Systems	Acquisition of GPS Logger for BCPD Patrols	\$254.90	S10 2013-2015
1420T	Frontier Precision	GNSS Receiver Rental	\$50.00	S10 2013-2015



New Route E Flood Warning Sign



New Route G Desert Tortoise Guard

PROGRAM AREA

BCCE

BCCE Project 2 BCCE Law Enforcement

DCP Project Contact John Brekke
Project Coordinator
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

Contract Title: BCCE Law Enforcement

Contract Number: 1420E, 1510A

Vendor: City of Boulder City

Contract Amount: \$252,124.00

Funding Source: S10 2013-2015, 2015-2017

Contract Term: 08/05/2015 to 10/31/2017

Contract Status: Complete

Unspent Funds: \$26,046.05

Accomplishments (activity for final month of contract only):

- Patrolled the BCCE for 133 hours.
- Travelled 1,601 miles on the various dirt roads within the BCCE.
- Contacted 2 persons who were using the BCCE for valid, legal purposes.
- Issued 0 warnings for illegal actions.
- Issued 0 citations for illegal actions.
- Provided 3 maps and brochures to interested persons in the BCCE.

Contract 2

Contract Title: Law Enforcement for the BCCE

Contract Number: 1710A

Vendor: City of Boulder City

Contract Amount: \$250,016.29

Funding Source: S10 2017-2019

Contract Term: 08/01/2017 to 08/19/2019

Contract Status: In progress

Accomplishments:

- Patrolled the BCCE for 2,643 hours.
- Travelled 29,074 miles on the various dirt roads within the BCCE.
- Contacted 368 persons who were using the BCCE for valid, legal purposes.
- Issued 45 warnings for illegal actions.
- Issued 1 citation for illegal actions.
- Provided 349 maps and brochures to interested persons in the BCCE.

New BCCE Patrol Officer – Mike Daniel



New BCCE Patrol Vehicle – Jeep Rubicon



PROGRAM AREA

BCCE

BCCE Project 3 Energy Zone Fencing

DCP Project Contact John Brekke
Project Coordinator
702.455.2722
Brekke@ClarkcountyNV.gov

Background and Need for Project

Located within the BCCE is an area of 3,064 acres excluded from the conservation easement. This area, commonly referred to as the Energy Zone, has been designated by Boulder City for energy resource development. To provide for adequate protection of sensitive species inhabiting the area that surrounds the Energy Zone, the Desert Conservation Program constructed a desert tortoise exclusionary fence around the Energy Zone and associated access road (Eldorado Valley Drive). The goal of this project was 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

Contract Title: Energy Zone Fencing

Contract Number: 804F, 1442A, 1525A

Vendor: Muller Construction

Contract Amount: \$543,698.37

Funding Source: S10 2009-2011, 2013-2015, 2015-2017

Contract Term: 06/01/2016 to 12/31/2017

Contract Status: Complete

Unspent Funds: \$0.00

Accomplishments (activity for final month of contract only):

- Constructed over 11 miles of desert tortoise fencing to exclude and protect desert tortoises from the energy zone.
- Installed five desert tortoises guards on roadways to protect desert tortoises from the energy zone.
- Constructed one desert tortoise culvert to allow desert tortoises to travel north and south on the BCCE.



Desert Tortoise Guard on Route K



Energy Zone Fencing – East of EZ

PROGRAM AREA

BCCE

BCCE Project 4 BCCE Outreach

DCP Project Contact John Brekke
Project Coordinator
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

Contract Title: BCCE Kiosk Signs - 3 Locations

Contract Number: 910U

Vendor: KVO Industries

Contract Amount: \$7,865.00

Funding Source: S10 2011-2013

Contract Term: 07/12/2017 to 06/30/2018

Contract Status: Complete

Unspent Funds: \$0.00

Accomplishments:

- Produced 9 interpretive panels for the three new gabion kiosks construction within the BCCE.

Contract 2

Contract Title: BCCE Gabion Sign Attachment Specifications

Contract Number: 910V

Vendor: John Jones Landscape Architect, PLLC

Contract Amount: \$1,000.00

Funding Source: S10 2011-2013

Contract Term: 07/27/2017 to 06/30/2018

Contract Status: Complete

Unspent Funds: \$0.00

Accomplishments:

- Specifications for attaching signage to gabion kiosks were developed; the new design allows signage to be quickly installed and removed when needed.

Contract 3

Contract Title: BCCE Gabions Constructed in Three Locations

Contract Number: 910W

Vendor: Maile Concrete

Contract Amount: \$24,100.00

Funding Source: S10 2011-2013

Contract Term: 10/20/2017 to 02/15/2018

Contract Status: Complete

Unspent Funds: \$0.00

Accomplishments:

- Constructed new gabion kiosks at three locations within the BCCE.



New BCCE Kiosk on Eldorado Valley Drive



New BCCE Kiosk on SR165

PROGRAM AREA

BCCE

BCCE Project 5 BCCE Restoration

DCP Project Contact Stefanie Ferrazzano
Biologist
702.455.6386
Stefanie.Ferrazzano@ClarkcountyNV.gov

Background and Need for Project The BCCE was established in 1995 to be managed and protected for the benefit of the desert tortoise and its associated native flora and fauna. The Desert Conservation Program seeks to implement effective and appropriate treatments to restore habitat that has been degraded, damaged, or destroyed within the BCCE.

Contract 1

Contract Title: Cultural Resource Survey

Contract Number: 809M

Vendor: SWCA Environmental Consultants

Contract Amount: \$34,096.00

Funding Source: S10 2009-2011

Contract Term: 02/04/2019 to 11/01/2019

Contract Status: In progress

Accomplishments (activity for final month of contract only):

- Completed a Class III cultural resource survey at selected sites throughout the BCCE that may be directly or indirectly affected by future habitat restorations.
- Updated 6 previously recorded sites and documented 25 new sites and 22 isolated artifact occurrences/isolated features.
- Submitted a draft inventory report to the Bureau of Land Management.
- Final Report is scheduled for completion in the next biennium under the same contract.



A closed road at the BCCE which was surveyed for cultural resources in preparation for habitat restoration activities.

3. 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 487 acres spread across five geographic areas along the Virgin River: Mormon Mesa, Riverside, Bunkerville East, Bunkerville West, and Mesquite West. Additional properties currently being considered for acquisition along the Muddy and Virgin rivers could add as much as 200 acres to the reserve unit.

PROGRAM AREA

RIPARIAN RESERVES

Riparian Project 1 Management of the Riparian Reserve Units

DCP 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 Reserves to ensure the properties' value for species covered by the MSHCP and to facilitate successful restoration activities.

Contract 1

Contract Title: Muddy River Weed Management
Contract Number: 1520B
Vendor: National Park Service
Contract Amount: \$108,000.00
Funding Source: S10 2015-2017
Contract Term: 11/10/2015 to 12/31/2018
Contract Status: Complete
Unspent Funds: \$0.00

Contract 1 (cont.)

Accomplishments:

- Completed 3 rounds of winter weed surveys and spring treatments.
- Completed 3 rounds of summer weed surveys and fall treatments.
- London rocket, Malta starthistle, puncture vine and Russian thistle continued to be a nuisance in units A,B,C, & E, but these populations have been dramatically reduced due to depletion of the seed bank from persistent control actions.
- In Unit F, a substantial amount of tamarisk was controlled using the cut stump method in the winter of 2017/2018.

Contract 2

Contract Title: Riparian Property Maintenance
Contract Number: 1520J
Vendor: L.J. McCormick Enterprises Inc.
Contract Amount: \$36,200.00
Funding Source: S10 2015-2017
Contract Term: 08/19/2016 to 10/06/2017
Contract Status: Complete
Unspent Funds: \$980.00

Accomplishments:

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

Contract 3

Contract Title: Riparian Rsv Units Prop Maint
Contract Number: 1445H, 1520M
Vendor: Eagle View Contractors, Inc.
Contract Amount: \$50,000.00
Funding Source: S10 2013-2015, 2015-2017
Contract Term: 11/09/2017 to 06/30/2019
Contract Status: Complete
Unspent Funds: \$750.00

Accomplishments:

- Conducted weekly inspections of properties.
- Maintained fencing, signage, and gates.
- Removed trash and debris from the reserve.
- Repaired access roads, as needed.

Contract 4

Contract Title: Virgin River Weed Management

Contract Number: 1720A

Vendor: National Park Service

Contract Amount: \$143,000.00

Funding Source: S10 2017-2019

Contract Term: 02/21/2018 to 03/15/2021

Contract Status: In progress

Accomplishments:

- Conducted weed surveys of properties.
- Conducted tall whitetop treatments on Mormon Mesa restoration sites.
- Treated Malta starthistle.
- Conducted camelthorn treatments on County and adjacent BLM lands upstream in a cooperative effort to control camelthorn.
- Conducted tamarisk control at the Bunkerville property using the basal spray method.



NPS EPMT crew conducting cut stump treatment on parcel F.



NPS EPMT crew conducting cut stump treatment on parcel F.



Cut material left on site as vertical mulch and mammal refuge.

PROGRAM AREA
RIPARIAN RESERVES

Riparian Project 2 Integrated Watershed Plan for the Lower Virgin River

DCP 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 Coalition, 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

Contract Title: Lower Virgin River Integrated Watershed Plan

Contract Number: 1445F

Vendor: The Nature Conservancy

Contract Amount: \$10,000.00

Funding Source: S10 2013-2015

Contract Term: 05/01/2017 to 01/15/2019

Contract Status: Complete

Unspent Funds: \$0.00

Accomplishments:

- A series of 6 workshops was held between September 2017 and November 2018 utilizing the Open Standards for the Practice of Conservation, a planning process that is structured, scientifically sound, and transparent to guide the Coalition in identifying and implementing effective conservation strategies.
- The strategies identified by the Coalition were described in the final plan, completed in April 2019.



Virgin River Coalition workshop



INTEGRATED WATERSHED PLAN
 for the Lower Virgin River in Arizona and Nevada
2019 - 2022

Virgin River Coalition



Final Integrated Watershed Plan

PROGRAM AREA
RIPARIAN RESERVES

Riparian Project 3 Muddy River Restoration, Parcels A-E

DCP 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

Contract Title: Muddy River Restoration Design

Contract Number: 1570C

Vendor: Natural Channel Design

Contract Amount: TBD

Funding Source: SNPLMA R16

Contract Term: 9/1/2019 – 6/28/2022

Contract Status: Pending BCC Approval

Accomplishments:

- Planning efforts for the SNPLMA Round 16 project to conduct habitat restoration on the Muddy River Reserve continue – a Request for Proposals (RFP) was prepared to complete the restoration design. The top selections have been evaluated and Natural Channel Design has been approved by the Board of County Commissioners to negotiate pricing. The contract will be approved by the Board of County Commissioners in Quarter 3 of 2019.



Overview of Muddy River Reserve



Installation of groundwater monitoring wells

PROGRAM AREA
RIPARIAN RESERVES

Riparian Project 4 Muddy River Restoration, Parcel E

DCP Project Contact Caryn Wright
 Environmental Specialist
 702.455.2972
 Caryn.Wright@ClarkcountyNV.gov

Background and Need for Project The Desert Conservation Program entered in to an interlocal agreement with the National Park Service's Exotic Plant Management Team (EPMT) to conduct riparian restoration on the Muddy River Reserve. The purpose of this project is to enhance habitat for MSHCP covered species and increase the connectivity to the riparian zone by enhancing the streamside habitat.

Contract 1

Contract Title: MR Vegetation Clearing
Contract Number: 805AF, 1520P, 1720D
Vendor: Eagle View Contractors, Inc.
Contract Amount: \$11,451.98
Funding Source: S10 2009-2011, 2015-2017, 2017-2019
Contract Term: 12/18/2018 to 05/31/2019
Contract Status: Complete
Unspent Funds: \$176.98

Accomplishments:

- Cleared undesirable non-native vegetation from within the project site to prepare the site for re-planting with native species.
- Disposed of debris offsite.
- Avoided native tree and shrub species.

Contract 2

Contract Title: Muddy River Habitat Restoration
Contract Number: 1446D
Vendor: National Park Service
Contract Amount: \$65,836.00
Funding Source: SNPLMA R14
Contract Term: 03/23/2018 to 09/30/2019
Contract Status: In progress

Accomplishments:

- Collected and stored cuttings of native plants in the National Park Service's Song Dog Nursery.
- Transported the grown plants and planted in the area cleared by Eagle View Contractors.
- Cut-stump treatment was conducted on tamarisk growing along the steep slopes and the cut material was dispersed around the site for vertical mulch.
- The site continues to be monitored for weed establishment and supplemental watering, as needed.



Outplanting of nursery grown plants



Post planting, enclosures installed



Native plants installed with auger drill



Willow cuttings

PROGRAM AREA
RIPARIAN RESERVES

Riparian Project 5 Muddy River Restoration, Parcels G-I

DCP 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 Reserves, the Desert Conservation Program is undertaking a habitat restoration project to remove invasive tamarisk and other weed species and enhance and expand native species habitat for covered birds within the remote properties of the Muddy River Reserve (parcels G-I).

Contract 1

Contract Title: Muddy River Restoration Plan

Contract Number: 1570B

Vendor: Fred Phillips Consulting, LLC

Contract Amount: \$23,999.75

Funding Source: SNPLMA R16

Contract Term: 06/05/2017 to 06/30/2018

Contract Status: Complete

Unspent Funds: \$0.00

Accomplishments:

- A review was conducted of current site conditions and a restoration plan was developed to prioritize restoration areas within the Clark County Muddy River Reserve that incorporates a desirable plant palette, source stock, planting methods, and planting zone map.
- The restoration plan also highlighted other considerations such as fencing needs, vandalism potential, and weed management.
- The plan included restoration potential and a basic approach for conducting post restoration monitoring as part of a plan to enhance habitat for MSCHP covered species and increase connectivity to the riparian zone by expanding the mesquite bosque habitat.



Parcel H, facing south



Tamarisk on Parcel H, facing northwest

PROGRAM AREA
RIPARIAN RESERVES

Riparian Project 6 Virgin River Restoration

DCP Project Contact Caryn Wright
Environmental Specialist
702.455.2972
Caryn.Wright@ClarkcountyNV.gov

Background and Need for Project Restoration efforts on the Virgin River Reserve 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

Contract Title: VR Rest Plan -Mormon Mesa Ph 1

Contract Number: 1521B

Vendor: SWCA Environmental Consultants

Contract Amount: \$7,588.00

Funding Source: SNPLMA R15

Contract Term: 07/18/2017 to 11/03/2017

Contract Status: Complete

Unspent Funds: \$0.00

Accomplishments:

- Removed invasive tamarisk and other weed species to enhance and expand native species habitat for covered birds within the Mormon Mesa property of the Virgin River Reserve.
- An existing restoration plan was revised to address all of the approximately 80.6-acre Mormon Mesa Riparian Reserve. The restoration plan describes dividing implementation into different phases, focusing on the higher priority areas first.

Contract 2

Contract Title: Mormon Mesa Restoration Project

Contract Number: 1521Z

Vendor: Nevada Division of Forestry

Contract Amount: \$0.00

Funding Source: SNPLMA R15

Contract Term: 12/01/2017 to 06/30/2019

Contract Status: Complete

Accomplishments:

- Crews masticated non-native tamarisk in the designated areas. Care was taken to not damage or remove any desirable native species, i.e., cottonwood, coyote or Gooding's willow, etc.
- Crews masticated approximately 3 acres on the Riverside properties and created a fire break between the County and an adjacent private property.

Contract 3

Contract Title: Mormon Mesa Restoration Services

Contract Number: 1521C

Vendor: Great Basin Institute

Contract Amount: \$23,984.88

Funding Source: SNPLMA R15

Contract Term: 12/27/2017 to 06/30/2018

Contract Status: Complete

Unspent Funds: \$ 15,650.00

Accomplishments:

- Conducted cut stump treatment of tamarisk.
- Applied herbicide during cut stump treatment and post-mastication.
- Repaired existing cattle barriers to prevent access to restoration areas.
- Installed cattle barrier at northern access point of the Mormon Mesa parcel.

Contract 4

Contract Title: Virgin River Drone Imagery

Contract Number: 1750A

Vendor: SWCA Environmental Consultants

Contract Amount: \$7,573.00

Funding Source: S10 2017-2019

Contract Term: 11/02/2018 to 03/29/2019

Contract Status: Complete

Unspent Funds: \$0.00

Contract 4 (cont.)

Accomplishments:

- Collected high resolution imagery (stills and video) of the Virgin River Reserve Unit (Mormon Mesa and Riverside parcels) prior to restoration treatment (mastication).
- Orthomosaics were processed with data processing software.
- A 10-meter local relief model was produced from a point cloud created by photogrammetry from the UAV-derived imagery; this model emphasized higher and lower portions of the terrain and will be useful in tracking erosion and deposition.
- Conducted a raster analysis of the orthomosaics showing areas of vegetation cover versus areas of bare ground.

Contract 5

Contract Title: Virgin River Riparian Restoration

Contract Number: 1521E

Vendor: Nevada Division of Forestry

Contract Amount: \$80,000

Funding Source: SNPLMA R15

Contract Term: 11/12/2018 to 04/30/2020

Contract Status: In Progress

Accomplishments:

- Crews masticated non-native tamarisk in designated areas. Care was taken to not damage or remove any desirable native species, i.e., cottonwood, coyote or Gooding's willow, etc.
- Crews masticated and applied herbicide across 4 acres on the Mormon Mesa parcel.

Associated Purchase Orders				
PO Number	Vendor	PO Title	PO Amount	Funding Source
1521D	Helena Chemical Company	Herbicide Acquisition for Mormon Mesa Restoration	\$9,517.00 (\$8,020.00 unspent)	SNPLMA R15
1521F	Helena Chemical Company	Herbicide Acquisition	\$9,397.00	SNPLMA R15



Post-mastication of fire break between properties in Riverside



Progress at the Mormon Mesa



Post-mastication at Mormon Mesa



Saturated soils on Mormon Mesa



Tamarisk mastication on Riverside property

PROGRAM AREA
RIPARIAN RESERVES

Riparian Project 7 Property Acquisition

DCP 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.

Associated Purchase Orders				
917BD	Stanley Consultants, Inc.	Parceling for APN 002-26-501-009	\$8,760.00	S10 2011-2013
917MC	Converse Consultants, Inc	Phase I Env. Site Assessment of Bunkerville Parcel	\$5,250.00	S10 2011-2013
917NA	Stanley Consultants, Inc.	Parceling for Virgin River Properties	\$5,035.00	S10 2011-2013
917DE	Stanley Consultants, Inc.	Parceling for Virgin River Properties	\$5,035.00	S10 2011-2013



Riverside property

Accomplishments (No contract, In-house Work)

- Offers were accepted for the following properties in Bunkerville on a willing seller-willing buyer basis: 002-26-401-001 (60.3 acres), 002-27-801-002 (40 acres), 001-19-201-009 (11.19 acres), 002-25-501-013 (56.97), and 002-24-801-002 (8.09 acres).
- Offers were accepted 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).
- A parcel map has been recorded for 002-26-701-006.

Associated Purchase Orders				
PO Number	Vendor	PO Title	PO Amount	Funding Source
917AC	Stanley Consultants, Inc.	Boundary Surveys and Parceling for VR Props	\$11,820.00	S10 2011-2013
917M	Bunkerville Compound, LLC	Bunkerville Compound, LLC Land Acquisition	\$430,000.00	S10 2011-2013
917K	DRB Holdings, LLC	DRB Holdings, LLC Land Acquisition	\$710,000.00	S10 2011-2013
917MB	Stanley Consultants, Inc.	Parceling for Bunkerville Property	\$23,970.00	S10 2011-2013
917DD	Anderson Valuation Group	Appraisal Report for APN 002-26-301-002	\$1,750.00	S10 2011-2013



Survey of property 002-26-701-006



Bunkerville property

PROGRAM AREA
RIPARIAN RESERVES

Riparian Project 8 Management of Water Rights

DCP 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

Contract Title: Water Rights Consulting

Contract Number: 805AE, 1445E

Vendor: Farr West Engineering

Contract Amount: \$22,140.00

Funding Source: S10 2009-2011, 2013-2015

Contract Term: 12/01/2016 to 08/31/2019

Contract Status: In progress

Accomplishments:

- Provided expert opinions on issues potentially affecting Clark County Desert Conservation program during the 2017 and 2019 legislative sessions, including consultations for submission of comments on proposed Bills.
- Conducted analysis of current and potential new project acquisitions and water right holdings, and provided information related to property and water right ownership.
- Completed research and produced a technical memorandum outlining options for the administrative determination of water rights in Nevada. Initiated action to facilitate DCP in filing Requests for Determination of relative rights to waters of the State of Nevada where Clark County's stock water sources are shared with other owners. This work remains in progress. Next steps include preparation and filing of the Request for Determination with the Nevada Division of Water Resources (NDWR). Consultation with DCP and NDWR is also included in the next steps for this objective.
- Conducted reviews of water rights proposed to be transferred to other organizations to best meet programmatic water right goals. Transfer of the identified water rights is not complete. Next steps include completing the transfer of water rights and the preparation and filing of Reports.



Investigation with Nevada Division of Water Resources for unauthorized diversion from Hen Spring



Investigation with Nevada Division of Water Resources for unauthorized diversion from Hen Spring



Hazardous condition at Summit Spring (a source shared with the BLM), pre-restoration



Summit Spring, post-restoration



Hazardous condition at Summit Spring, pre-restoration

4. 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.

PROGRAM AREA

PUBLIC INFORMATION, EDUCATION, AND OUTREACH

PIE Project 1 Mojave Max Education Program

DCP 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

Contract Title: Mojave Max Mascot Appearances

Contract Number: 916Q

Vendor: Steve-N-Kids

Contract Amount: \$24,000.00

Funding Source: S10 2011-2013

Contract Term: 09/05/2013 to 09/30/2017

Contract Status: Complete

Unspent Funds: \$5,550.00

Accomplishments:

- Provided Mojave Max mascot services at 36 different events for a total of 180 hours.

Contract 2

Contract Title: Mojave Max Education Program

Contract Number: 1515A

Vendor: Southern Nevada Conservancy (Formerly Red Rock Interpretive Association)

Contract Amount: \$180,500.00

Funding Source: S10 2015-2017

Contract Term: 07/01/2015 to 07/31/2017

Contract Status: Complete

Unspent Funds: \$0.00

Accomplishments:

- Helped administer the Mojave Max Education Program by conducting Mojave Max assemblies, Tortoise Talks, and participating at various outreach events.
- Conducted 410 Tortoise Talks, reaching 9,278 students.
- Conducted 52 outreach events.
- Conducted 25 assemblies, reaching over 6,000 students.

Contract 3

Contract Title: Mojave Max Assembly Power-Point Presentation

Contract Number: 1515Y

Vendor: Robertson + Partners

Contract Amount: \$6,250.00

Funding Source: S10 2015-2017

Contract Term: 05/16/2017 to 10/31/2017

Contract Status: Complete

Unspent Funds: \$0.00

Contract 3 (cont.)

Accomplishments:

- Revamped and updated the Mojave Max Assembly Power-Point presentation with new graphics and slides making the presentation more robust and dynamic.

Contract 4

Contract Title: Mojave Max Education Program

Contract Number: 1715A

Vendor: Outside Las Vegas Foundation

Contract Amount: \$260,094.46

Funding Source: S10 2015-2017, 2017-2019

Contract Term: 08/01/2017 to 07/31/2020

Contract Status: In progress

Accomplishments:

- Helped administer the Mojave Max Education Program by conducting Mojave Max assemblies, Tortoise Talks and participating at various outreach events.
- Conducted 276 Tortoise Talks, reaching 6,626 students.
- Conducted 70 outreach events.
- Conducted 28 assemblies, reaching over 6,300 students.

*Numbers shown are through June 30, 2019

Associated Purchase Orders				
PO Number	Vendor	PO Title	PO Amount	Funding Source
1515W	Robertson + Partners	Mojave Max Website Support Services	\$660.00	S10 2015-2017
1770B	Earthcam, Inc.	Removal of Mojave Max Camera	\$875.00	S10 2017-2019
1515AA	Muller Construction	Repair Hole from Camera Removal	\$600.00	S10 2015-2017
916M, 1515AB	Paper Zombies	Gfx Design for MoMax Brochure	\$150.00	S10 2011-2013, S10 2015-2017
916ZE	B & H Photo	Acquisition of Mojave Max Trail Camera	\$451.95	S10 2011-2013
916ZF	Logo Apparel	Acquisition of Learn to the Max Shirts	\$366.00	S10 2011-2013
916ZG	Paper Zombies	Acquisition of Mojave Max Cut-Outs	\$118.00	S10 2011-2013
916ZH	Abbott Trophies, LLC	Acquisition of Name Badges	\$29.00	S10 2011-2013
1770D	A1 Trophies & Awards	Acq of MoMax Contest Winner Trophies	\$963.75	S10 2017-2019
1770E	Paper Zombies	Artwork to Revise Mojave Max Collateral	\$225.00	S10 2017-2019
1770N	Paper Zombies	Graphics Design for MM Emergence Tees	\$262.50	S10 2017-2019
1715C	Skyhigh Marketing	Acquisition of Ear Buds	\$1,025.00 (\$15.00 unspent)	S10 2017-2019
1715B	Skyhigh Marketing	Acquisition of Lip Moisturizer Balls	\$710.00 (\$35.00 unspent)	S10 2017-2019
1715D	Skyhigh Marketing	Acquisition of Tortoise Paper Clips	\$1,550.00	S10 2017-2019
1715F	Logo Fusion USA, Inc.	Acquisition of Beeswax Lip Balm	\$586.00	S10 2017-2019
1715E	Morgan Specialties, Inc.	Acquisition of Plastic Conference Bags	\$375.63	S10 2017-2019
1715H	Bluetrack, Inc	Acquisition of DT Stress Balls	\$1,250.00	S10 2017-2019
1715G	Logo Fusion USA, Inc.	Acquisition of Fidget Spinners	\$895.00	S10 2017-2019

Associated Purchase Orders				
1715J	AB UnLimited Worldwide	Acquisition of Learn to the Max Patches	\$855.00	S10 2017-2019
1715K	AB UnLimited Worldwide	Acquisition of flower Highlighters	\$1,490.00	S10 2017-2019
1715U	Paper Zombies	DCP Graphics Design	\$75.00	S10 2017-2019
916ZJ	Skyhigh Marketing	Acquisition of Tortoise Erasers	\$1,154.40	S10 2011-2013
916ZK	Morgan Specialties, Inc.	Acquisition of Mood Rulers	\$1,288.60	S10 2011-2013
916ZL	Las Vegas Tactical, LLC	Acquisition of MoMax Patches	\$870.00	S10 2011-2013
1715M	AB UnLimited Worldwide	Acquisition of Learn to the Max Crayon Sets	\$875.00 (\$7.50 unspent)	S10 2017-2019
1715L	AB UnLimited Worldwide	Acquisition of Learn to the Max Tote Bags	\$600.00	S10 2017-2019
1770G	Abbott Trophies, LLC	Acquisition of Learn to the Max Name Badges	\$29.00	S10 2017-2019
1770F	Robertson + Partners	MoMax Website Hosting and Support	\$3,660.00	S10 2017-2019
1715N	Acorn Naturalists	Educational Classroom Resources	\$714.89	S10 2017-2019
807G	Logo Apparel	Acquisition of Learn to the Max Staff Shirts	\$76.00	S10 2009-2011
1770K	AB UnLimited Worldwide	Acquisition of Mood Rulers	\$1,290.00	S10 2017-2019
1770L	AB UnLimited Worldwide	Acquisition of Journals with Pens	\$990.00	S10 2017-2019
1770M	Skyhigh Marketing	Acquisition of Mojave Max Slide Puzzle	\$420.00	S10 2017-2019
1770P	Skyhigh Marketing	Acquisition of Lip Balm Balls	\$628.00	S10 2017-2019
1770Q	Logo Fusion USA, Inc.	Acquisition of Table Throw	\$120.00	S10 2017-2019
1715P	Logo Fusion USA, Inc.	Acquisition of DCP Pens	\$820.00	S10 2017-2019
1715R	Skyhigh Marketing	Acquisition of Mojave Max Sunglasses	\$1,238.00	S10 2017-2019
1715Q	My Promos&Apparel	Acquisition of Natural Beeswax Lip Balm	\$486.20	S10 2017-2019
1715T	Bluetrack, Inc	Acquisition of Mo Max Stress Balls	\$6,505.00	S10 2017-2019



Mojave Max assembly at Diskin Elementary School



Outreach event at Pigs for the Kids Bar-B-Que

PROGRAM AREA
**PUBLIC INFORMATION,
 EDUCATION, AND OUTREACH**

PIE Project 2 Branding

DCP 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 Desert Conservation Program 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

Contract Title: DCP Branding Project
Contract Number: 802M, 901D, 1421A, 1515C
Vendor: Robertson + Partners
Contract Amount: \$200,00.00
Funding Source: S10 2009-2011, 2011-2013, 2013-2015, 2015-2017
Contract Term: 02/02/2016 to 06/30/2019
Contract Status: Complete
Unspent Funds: \$0.00

Accomplishments:

- Developed draft and final strategic brand and marketing strategy.
- Developed draft and final brand identity, highlighting four information pillars: Learn to the Max, Build to the Max, Shred to the Max, and Explore to the Max.
- Updated written collateral and templates.
- Developed new website.

Contract 2

Contract Title: DCP Branding Project

Contract Number: 1770A

Vendor: Robertson + Partners

Contract Amount: \$400,00.00

Funding Source: S10 2017-2019

Contract Term: 07/01/2017 to 07/20/2019

Contract Status: In progress

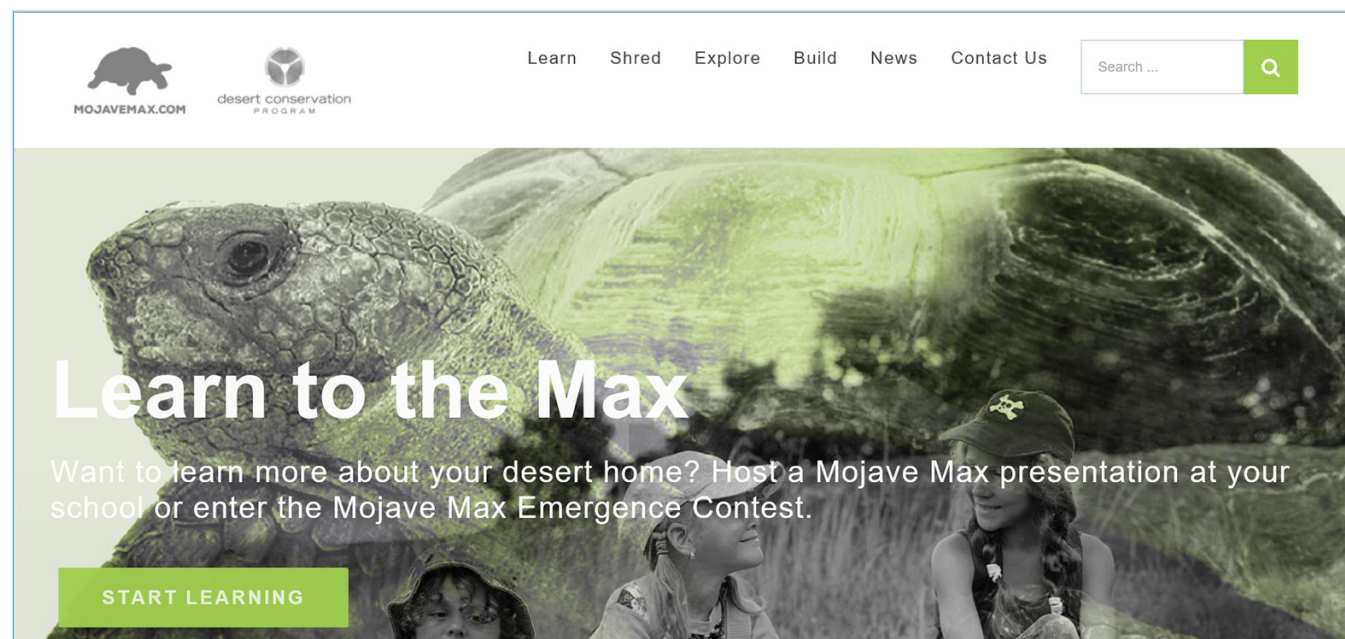
Unspent Funds: \$0.00

Accomplishments:

- Helped administer the Mojave Max Education Program by conducting Mojave Max assemblies, Tortoise Talks, and participating at various outreach events.
- Conducted 410 Tortoise Talks, reaching 9,278 students.
- Conducted 52 outreach events.
- Conducted 25 assemblies, reaching over 6,000 students.



New logos developed representing the four informational pillars.



New Mojave Max website (www.MojaveMax.com)

PROGRAM AREA

PUBLIC INFORMATION, EDUCATION, AND OUTREACH

PIE Project 3 OHV Education and Outreach

DCP Project Contact Heather Green
Management Analyst II
702.455.1605
HYG@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) during the 2009-2011 biennium with the intent to concentrate efforts on high-use locations; however, in September 2011, the BLM notified Clark County that it would no longer directly implement Section 10 mitigation projects under the MSHCP. The Desert Conservation Program has repurposed this project to develop and implement an OHV education program in Clark County that will promote responsible OHV recreation.

Contract 1

Contract Title: OHV Registration Program Marketing

Contract Number: 807D, 807F, 1775A

Vendor: MXT Media (formerly Radioactive Productions)

Contract Amount: \$350,000.00

Funding Source: S10 2009-2011, 2017-2019

Contract Term: 09/14/2016 to 06/30/2019

Contract Status: Complete

Unspent Funds: \$14,328

Accomplishments:

- Presented initial concept ideas to OHV Commission for input and feedback.
- Developed draft and final marketing plans.
- Identified campaign messages, and tagline.
- Developed draft media assets: ads, brochures, stickers, PSA script, posters and website mockup.
- Developed draft and final marketing materials.
- Ran print ads in NV Fishing Guide and NV Big Game Hunting Guide.
- Ran PSA ads on radio and television.
- Secured billboard advertisements.
- Hosted public outreach events.
- Hosted 14 OHV registration events, garnering 221 new registrations

Contract 2

Contract Title: Aware & Invasive Spec Ed for OHV Comm

Contract Number: 807H

Vendor: MXT Media

Contract Amount: \$50,000.00

Funding Source: S10 2009-2011

Contract Term: 10/22/2018 to 01/31/2020

Contract Status: In progress

Accomplishments:

- Helped administer the Mojave Max Education Program by conducting Mojave Max assemblies, Tortoise Talks, and participating at various outreach events.
- Conducted 410 Tortoise Talks, reaching 9,278 students.
- Conducted 52 outreach events.
- Conducted 25 assemblies, reaching over 6,000 students.



Half-page advertisement that ran in the Las Vegas Weekly Magazine



Advertisement that ran on Mojave Max's Facebook page, targeted at the OHV community

PROGRAM AREA

PUBLIC INFORMATION, EDUCATION, AND OUTREACH

PIE Project 4 Las Vegas Springs Preserve Bearpoppy Habitat

DCP Project Contact John Brekke
Project Coordinator
702.455.2722
Brekke@ClarkcountyNV.gov

Background and Need for Project The Las Vegas Bearpoppy, a narrowly endemic species listed as Critically Endangered by the State of Nevada, was discovered at the Springs Preserve in 1988. This project provided funding for the creation of a bearpoppy habitat area and development and installation of interpretive signs at the Springs Preserve to increase public awareness of the species and to aid in conservation efforts.

Contract 1

Contract Title: LV Bearpoppy Fencing, Ramada & Trail

Contract Number: 1790A

Vendor: Las Vegas Valley Water District

Contract Amount: \$94,810.00

Funding Source: S10 2017-2019

Contract Term: 04/16/2018 to 04/30/2019

Contract Status: Complete

Unspent Funds: \$0.00

Accomplishments:

- Created an area for the development of the Las Vegas Bearpoppy.
- Created fencing to protect the area.
- Created a new trail to take a visitor to the Bearpoppy area.
- Created a Ramada with interpretive signage to educate visitors on the Bearpoppy.



Bearpoppy viewing ramada constructed at the Springs Preserve



New bearpoppy growth observed at the Springs Preserve

PROGRAM AREA
**PUBLIC INFORMATION,
 EDUCATION, AND OUTREACH**

PIE Project 5 General Outreach

DCP Project Contact Heather Green
 Management Analyst II
 702.455.1605
 HYG@ClarkcountyNV.gov

Background and Need for Project One of the requirements of the MSHCP is to provide for public information, education, and outreach. In order to support the MSHCP message and mission, the Desert Conservation Program develops brochures, and other written collateral that contain conservation messages and further explain the program's purpose and mission. Written collateral is handed out at a wide variety of outreach events. Additionally, the Desert Conservation Program developed a license plate that would help to spread awareness about desert tortoise with a portion of the money from the sale of the license plates being used to further fund projects for conservation initiatives.

Contract 1

Contract Title: Graphics Design for DCP Pamphlets

Contract Number: 1715S

Vendor: MYS Project and Brand Management

Contract Amount: \$1,625.00

Funding Source: S10 2017-2019

Contract Term: 05/08/2019 to 06/30/2019

Contract Status: Complete

Unspent Funds: \$0.00

Accomplishments:

Developed pamphlets for five programmatic areas within the Desert Conservation Program:

- Riparian Reserves
- Adaptive Management Program
- Habitat Restoration
- The Desert Conservation Program
- Public Information, Education and Outreach

Contract 2

Contract Title: Advertising for Desert Tortoise License Plate

Contract Number: 1770H

Vendor: Robertson + Partners

Contract Amount: \$25,000.00

Funding Source: S10 2017-2019

Contract Term: 05/17/2018 to 06/30/2019

Contract Status: Complete

Unspent Funds: \$0.00

Accomplishments:

- Developed an advertising campaign for the debut of the new desert tortoise specialty license plate. Digital ads were placed on social media and ads also ran on billboards throughout Clark County.

Associated Purchase Orders				
PO Number	Vendor	PO Title	PO Amount	Funding Source
916ZD	Jackson Media Works	Acquisition of Sunshades	\$1,400.00	S10 2011-2013
1770C	Brian Small Photo	Avian Species Photographs	\$3,000.00	S10 2017-2019
1770J	Logo Fusion USA, Inc.	Acquisition of Neck Buffs	\$1,740.00	S10 2017-2019

HOW DOES IT WORK?
Developers purchase coverage under the permit by paying a fee of \$550 per-acre for any construction activities that will result in new disturbance on non-federal lands. Money collected from this fee is used by the Desert Conservation Program to implement conservation actions that benefit desert tortoises and the 77 other species covered by the permit. The MSHCP Section 10 incidental take permit allows for up to 145,000 acres of development in Clark County over a 30-year term.

CONSERVATION ACTIONS
Conservation actions carried out by the Desert Conservation Program include:
 • Acquiring and managing property to protect species habitats
 • Conducting habitat restoration and weed abatement projects
 • Installing fencing to protect species and habitats
 • Implementing a public information, education, and outreach program, including the Mojave Max education program
 • Operating the Wild Desert Tortoise Assistance Line
 • Conducting species inventories, population surveys, and species monitoring projects
 • Participating in research projects that benefit species recovery

THE FUTURE OF THE MSHCP
While the economic recession of the last decade dramatically slowed the rate of construction in Clark County, development has resumed and Clark County is once again one of the fastest growing regions in the country. The current Section 10 incidental take permit is set to expire in 2031, but the Desert Conservation Program has already begun taking steps to secure a new permit in order to maintain and operate a streamlined program that facilitates development while protecting species and our community's way of life.

THE DESERT CONSERVATION PROGRAM

WHAT IS THE MSHCP?
A habitat conservation plan, which is a required part of an application to receive a Section 10 incidental take permit, is a document that describes the types of activities that may result in take of a listed species and provides a framework for mitigating or offsetting impacts to those species. The Clark County MSHCP describes conservation actions that benefit the desert tortoise and 77 other species that are covered by the plan. The Desert Conservation Program implements these conservation actions on behalf of the Permittees and developers.

HOW IT ALL BEGAN
In 1989 a lawsuit against the U.S. Fish and Wildlife Service was filed by local environmental groups alleging that the desert tortoise was not being adequately protected. This led to the U.S. Fish and Wildlife Service emergency listing the species as endangered on August 4, 1989. The Clark County community was taken aback by this emergency listing of the desert tortoise because the listing resulted in an immediate and total moratorium on all new construction. Unable to overturn the listing of the desert tortoise, the Clark County community began to explore options for obtaining an incidental take permit under the Endangered Species Act that would allow take of this newly listed species and lift the moratorium on all new construction. For two years, Clark County led a multi-jurisdictional effort to obtain a regional short-term incidental take permit that would allow development to resume. This first plan and permit is known as the Short-term Habitat Conservation Plan. Clark County has since led the effort on the development and implementation of two subsequent habitat conservation plans, culminating with the development of the Clark County Multiple Species Habitat Conservation Plan, or MSHCP.

Front of the Desert Conservation Program Brochure

Back of the Desert Conservation Program Brochure

5. 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).

PROGRAM AREA

WILD DESERT TORTOISE ASSISTANCE

Wild DT Project 1 Wild Desert Tortoise Assistance Hotline

DCP Project Contact John Brekke
Project Coordinator
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.

Accomplishments (No contract, In-house Work)

- Received nine calls on the hotline.
- Conducted 4 desert tortoise pickups; all tortoises were adults.
- No tortoises were immediately relocated within the BCCE.
- Conducted 2 health assessments.
- Performed 16 outreach sessions.

Contract 1

Contract Title: Hotline and Processing of Wild DTs

Contract Number: 803E

Vendor: Knight & Leavitt Associates

Contract Amount: \$213,740.00

Funding Source: S10 2009-2011

Contract Term: 11/19/2015 to 11/02/2018

Contract Status: Complete

Unspent Funds: \$148,875.00

Contract 1 (cont.)

Accomplishments:

- Produced 15 monthly records.
- Produced 4 quarterly reports.
- Received 14 calls on the hotline.
- Conducted 1 desert tortoise pickup; the tortoise was an adult.
- No tortoises were immediately relocated within the BCCE.
- Conducted 1 health assessment.
- Performed 32 outreach sessions.



Wild Desert Tortoise after Pickup



Wild Desert Tortoise being examined during a health assessment

PROGRAM AREA

WILD DESERT TORTOISE ASSISTANCE

Wild DT Project 2 Translocation

DCP 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

Contract Title: DT Telemetry on the BCCE Yr 1

Contract Number: 719X, 1450B, 1545A, 1740A

Vendor: Great Basin Institute

Contract Amount: \$683,304.94

Funding Source: S10 2007-2009, 2013-2015, 2015-2017, 2017-2019

Contract Term: 11/01/2014 to 12/31/2018

Contract Status: Complete

Unspent Funds: \$34,792.43

Accomplishments:

- Recorded 6,255 tortoise observations over 558 field days.
- At the end of this project 47 tortoises were still being tracked; tracking of these tortoises continued under Contract 2.
- Submitted 22 monthly data uploads and 8 quarterly reports.
- Monitored telemetered animals on a monthly basis November through February and on a weekly basis March through June.
- Changed transmitters as needed.
- Affixed additional tortoises with transmitters.

Contract 2

Contract Title: BCCE DT Telemetry and Health Assessments

Contract Number: 719AA, 1412D, 1455D, 1540D, 1545B, 1740B

Vendor: Great Basin Institute

Contract Amount: \$149,627.94

Funding Source: S10 2007-2009, 2011-2013, 2015-2017, 2017-2019

Contract Term: 04/26/2018 to 12/28/2023

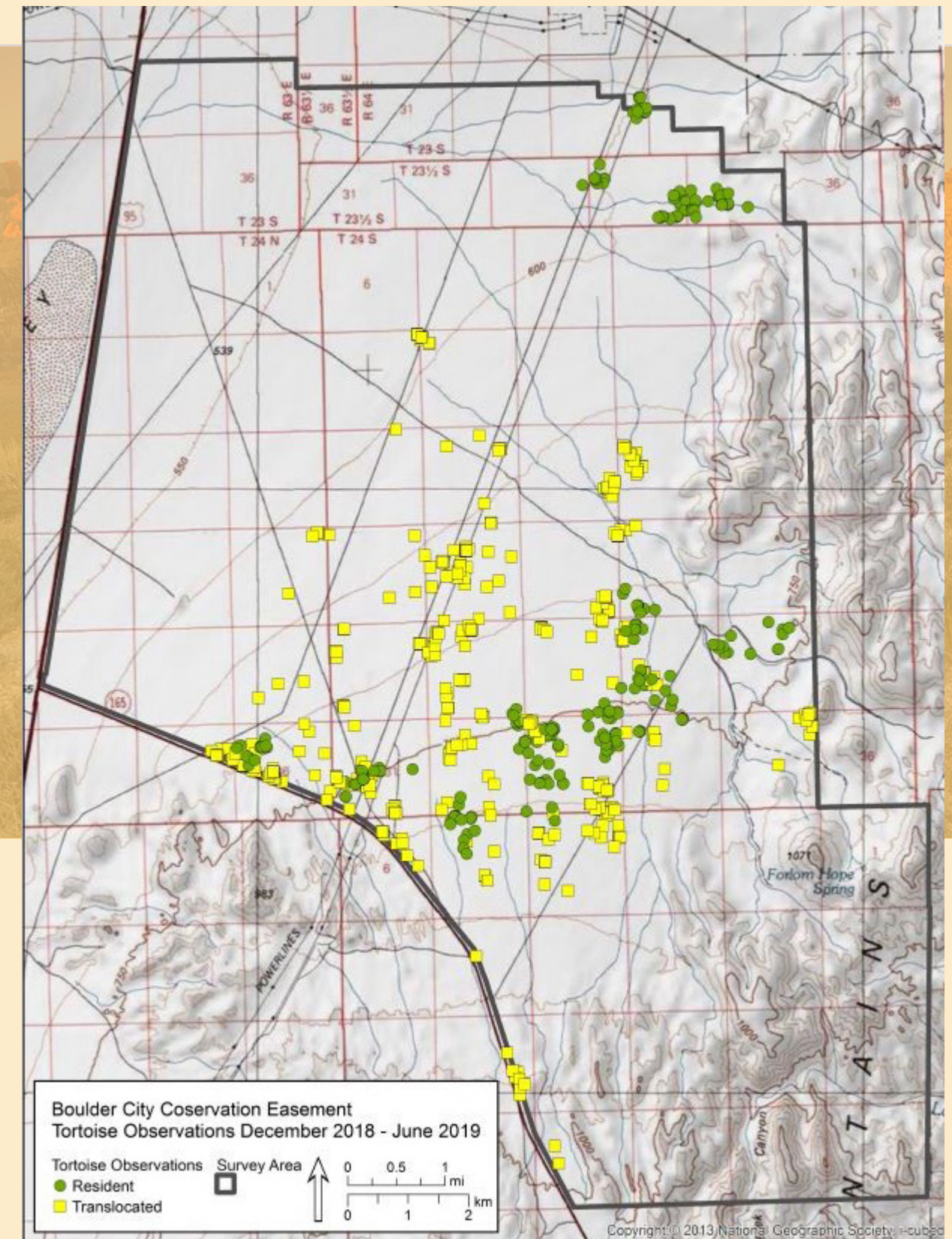
Contract Status: In progress

Accomplishments:

- Conducted 7 months of monitoring of tortoises at the BCCE.
- Submitted 7 monthly data uploads and two quarterly reports.
- Monitored telemetered animals on a monthly basis November through February and on a weekly basis March through June.
- Changed transmitters as needed.
- Affixed additional tortoises with transmitters.



Photo of a telemetered desert tortoise under a Mojave yucca.



Telemetered desert tortoise locations on the BCCE from December 2018 through June 2019.

PROGRAM AREA
WILD DESERT TORTOISE ASSISTANCE

Wild DT Project 3 Pet Tortoise Sterilization Clinic

DCP Project Contact Scott Cambrin
Senior Biologist
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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; and
- Unwanted tortoises released into the wild where they may compete for resources with resident wild populations and cause disruption.

This project trained veterinarians in the proper techniques to perform sterilization on desert tortoises. Sterilizations were also performed for pet tortoises to reduce the incidence of backyard breeding.

Contract 1

Contract Title: Pet Desert Tortoise Sterilization Workshop

Contract Number: 1787A

Vendor: Oquendo Center

Contract Amount: \$24,999.85

Funding Source: S10 2017-2019

Contract Term: 08/20/2017 to 10/31/2017

Contract Status: Complete

Unspent Funds: \$0.00

Accomplishments:

- Trained a total of 20 veterinarians and 16 veterinarian technicians in the proper methods for spaying and neutering tortoises.
- A total of 51 female and 52 male pet tortoises were sterilized during the training.



Photo of a desert tortoise being anesthetized by a veterinarian.



Photo of the shell marking process that indicates that a desert tortoise has been previously sterilized. Two small notches on the rear pygal scute one of which is visible on the left side and one is being created on the right side of the scute.

6. 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.

PROGRAM AREA CONSERVATION PROJECTS

Cons Project 1 Boundary Fence for the Tule Springs Fossil Beds National Monument

DCP Project Contact Lee Bice
Senior GIS Analyst
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Background and Need for Project Clark County Desert Conservation Program is providing financial and project management assistance to the National Park Service's Tule Springs Fossil Beds National Monument for the installation of fencing along the western boundary of the monument. This fencing would provide protection of sensitive environmental resources within the monument and would also protect desert tortoises from crossing U.S. Highway 95. Before the fence can be installed a set of fence design drawings were needed and a cultural resource survey was completed to support review under the National Environmental Policy Act.

Contract 1

Contract Title: DT Combo Fencing Engineering Details
Contract Number: 804J
Vendor: John Jones Landscape Architect, PLLC
Contract Amount: \$5,000.00
Funding Source: S10 2009-2011
Contract Term: 05/07/2018 to 08/01/2018
Contract Status: Complete
Unspent Funds: \$0.00

Contract 1 (cont.)

Accomplishments:

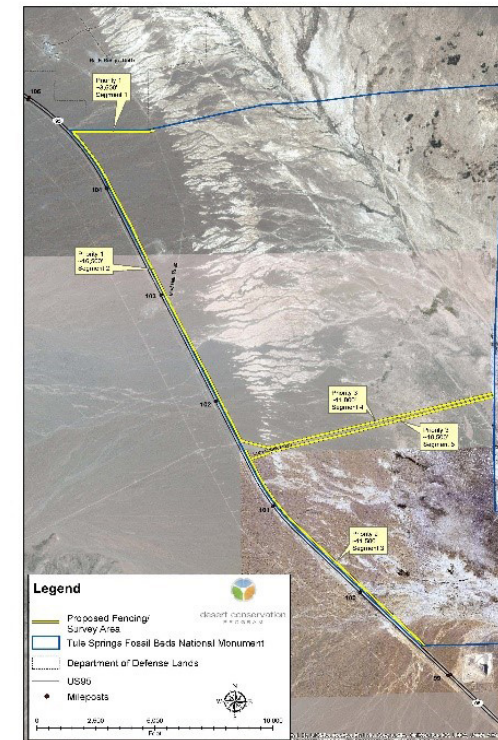
- Contractor provided 4 engineering design drawings; 1 wood-type post and cable fence with attached tortoise fence, one metal-type post and cable fence with attached tortoise fence, and two 12-foot wide vehicular access gate designs.

Contract 2

Contract Title: Tule Springs Cultural Resource Survey
Contract Number: 1525B
Vendor: HRA, Inc
Contract Amount: \$11,556.25
Funding Source: S10 2015-2017
Contract Term: 05/30/2017
Contract Status: Complete
Unspent Funds: \$0.00

Accomplishments:

- Conducted a cultural resource survey for three priority sections along the western boundary of the Tule Springs Fossil Beds National Monument and along Corn Creek road within the boundary. A final report with all findings was provided and approved by the National Park Service. The report format followed the standard for the State Historic Preservation Office.



Map of proposed fence alignment



View of Corn Creek Entrance Road, facing west

PROGRAM AREA
CONSERVATION PROJECTS

Cons Project 2 Relict Leopard Frog Conservation

DCP Project Contact Stefanie Ferrazzano
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702.455.6386
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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, critical habitat management actions, and facilitation of conservation team meetings and reporting.

Contract 1

Contract Title: Relict Leopard Frog Consv Plan and Impl

Contract Number: 1550A

Vendor: University of Nevada (UNLV) - Board of Regents

Contract Amount: \$184,050.00

Funding Source: S10 2015-2017

Contract Term: 06/01/2016 to 04/30/2020

Contract Status: In progress

Contract 1 (cont.)

Accomplishments:

- Completed semi-annual monitoring using visual encounter surveys at 21 sites occupied by the relict leopard frog.
- Estimated population size at one site using mark-recapture.
- Completed two seasons of headstarting and translocations, with animals released at six sites to establish or augment populations, including a site initiated in 2018.
- Transferred some headstarted frogs to University of Nevada – Las Vegas for research into the impact of the pathogenic amphibian chytrid fungus.
- Conducted small-scale mitigation efforts to improve conditions at important breeding micro-habitats at five occupied spring sites, with actions at one of these sites having occurred both years.
- Monitored relict leopard frogs for the pathogenic amphibian chytrid fungus at a site where the pathogen is known to occur.
- Conducted site assessments with land and resource managers at 7 unoccupied springs under consideration for translocations.
- Conducted field visits with land and resource managers at four occupied sites to plan potential habitat actions.
- Coordinated four meetings of the multiagency conservation team, including completion of associated reporting and planning documents.
- Presented nine public and professional talks associated with the relict leopard frog that included findings from this project.



A University of Nevada – Las Vegas assistant conducting nocturnal surveys (photo by Rebeca Rivera).



Collection of a partial egg mass (photo by Rebeca Rivera).

PROGRAM AREA CONSERVATION PROJECTS

Cons Project 3 Installation of Bat Gates

DCP Project Contact Stefanie Ferrazzano
Biologist
702.455.6386
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Background and Need for Project Abandoned mine land (AML) hazards are common in many parts of Clark County. AML hazards pose a danger to recreationists but also require protection due to their tendency to house wildlife, including multiple species of bats which are covered by the MSHCP. The goal of this project is to close off AML hazards in recreational areas of Clark County while maintaining habitat accessibility and functionality for wildlife.

Contract 1

Contract Title: Gold Butte AML Closures

Contract Number: 1792C

Vendor: Nevada Department of Minerals

Contract Amount: \$193,824.79

Funding Source: S10 2017-2019

Contract Term: 07/10/2018 to 12/19/2019

Contract Status: In progress

Accomplishments:

- Installed 18 wildlife compatible closures at AML hazards in Gold Butte National Monument.
- Documented a wild desert tortoise utilizing an entrance to an AML opening with a wildlife compatible closure.
- Installed two wildlife compatible closures at AML hazards in Valley of Fire State Park.



A wildlife compatible closure installed at an AML in Valley of Fire State Park.



A wild desert tortoise exiting an AML with a recently installed wildlife compatible closure featuring a custom tortoise entryway at Gold Butte National Monument.

7. ADAPTIVE MANAGEMENT PROGRAM

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.

PROGRAM AREA

ADAPTIVE MANAGEMENT PROGRAM

AMP Project 1 Independent Science Advisor Panel

DCP Project Contact Scott Cambrin
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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:

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

Contract 1

Contract Title: Science Advisor Panel for the DCP

Contract Number: 901F, 1410C, 1411A, 1730A

Vendor: Alta Sciences & Engineering (formerly Terragraphics)

Contract Amount: \$1,030,716.90

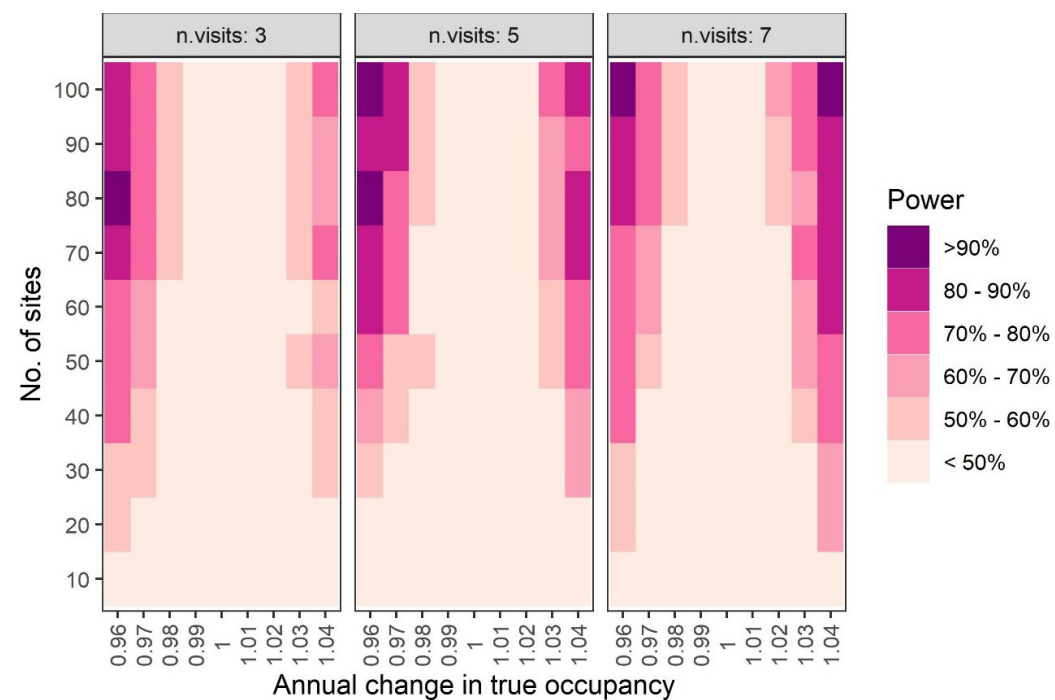
Funding Source: S10 2011-2013, 2013-2015, 2015-2017

Contract Term: 01/26/2016 to 02/20/2020

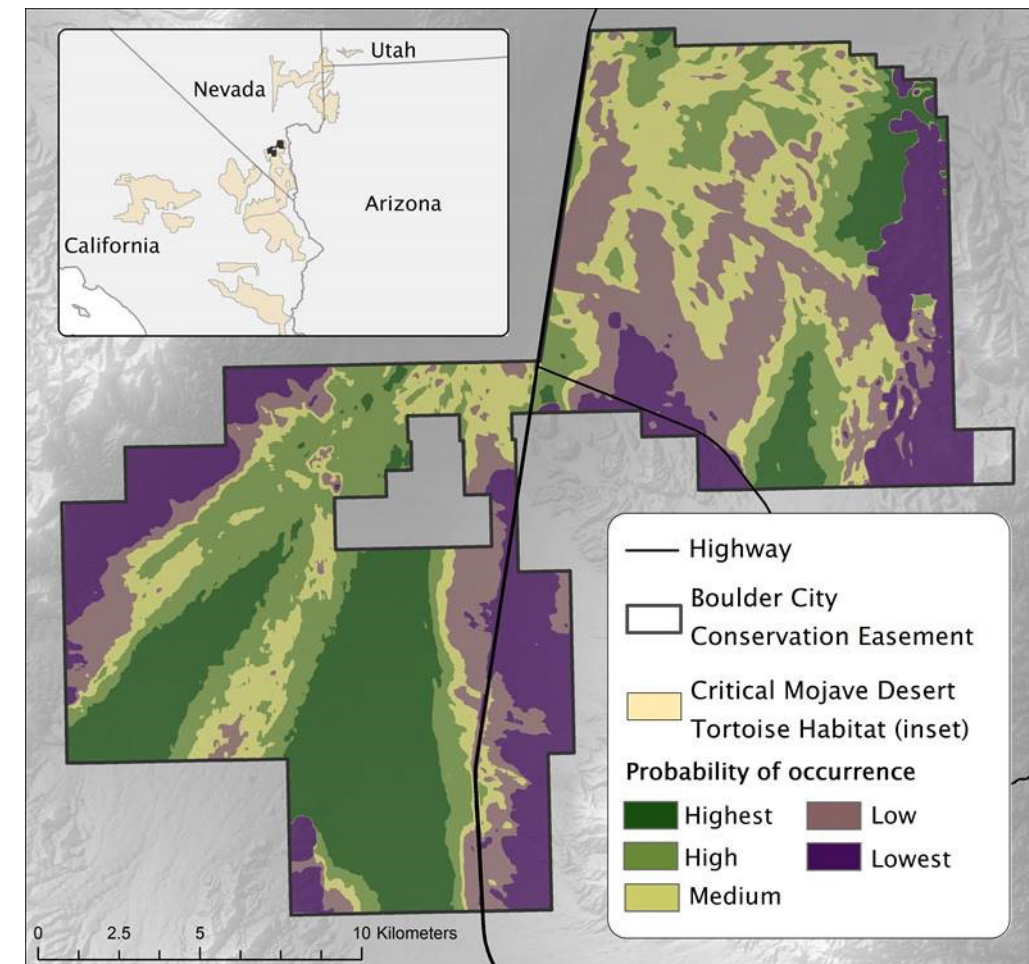
Contract Status: In progress

Accomplishments:

- Wrote and submitted two papers for peer-reviewed publication. Titles are "Identifying habitat correlates of latent occupancy when apparent annual occupancy is confounded with availability for detection", and "Using incidental mark-encounter data to improve survival estimation".
- Conducted a collaborative Ecological Resiliency workshop which led to identifying tangible concepts that can either become future projects, or that can be implemented in ongoing projects. Ecological resiliency is embedded in the Biological Goals and Objectives (BGOs) and an underlying purpose of the workshop was to ensure that projects are addressing the relevant BGOs to the fullest extent possible.
- Reviewed deliverables submitted under other contracts to provide technical and science-based feedback. Examples are the review of the Habitat Functionality report and the review of the BCCE Desert Tortoise Predation Study.
- Provided science-based guidance and review of the Muddy River Restoration Project Scope of Work and reviewed proposals from potential contractors.



Power to detect trends in across-site occupancy rates in the presence of sampling and process noise in desert tortoise occupancy surveys. Power was defined as the rate at which 85% confidence intervals from 150 simulated datasets for each number of site, number of visits, and change in occupancy combinations overlapped the original occupancy rate of 0.50



Predicted relative probability of occupancy of Mojave desert tortoises across the Boulder City Conservation Easement, Clark County, Nevada, USA, 2013-2017. Raw values for relative predicted occupancy was reclassified into five equal-area bins ranging from '1' (lowest probability) to '5' (highest probability). Inset map shows location of study area (dark polygons in center) within regional distribution of critical Mojave desert tortoise habitat

PROGRAM AREA
ADAPTIVE MANAGEMENT PROGRAM

AMP Project 2 Species Monitoring – Desert Tortoise

DCP Project Contact Scott Cambrin
 Senior Biologist
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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

Contract Title: Desert Tortoise Range-Wide Monitoring
Contract Number: 1540C, 1541B
Vendor: Great Basin Institute
Contract Amount: \$979,226.26
Funding Source: SNPLMA R15, S10 2015-2017
Contract Term: 12/05/2016 to 12/04/2020
Contract Status: In progress

Accomplishments:

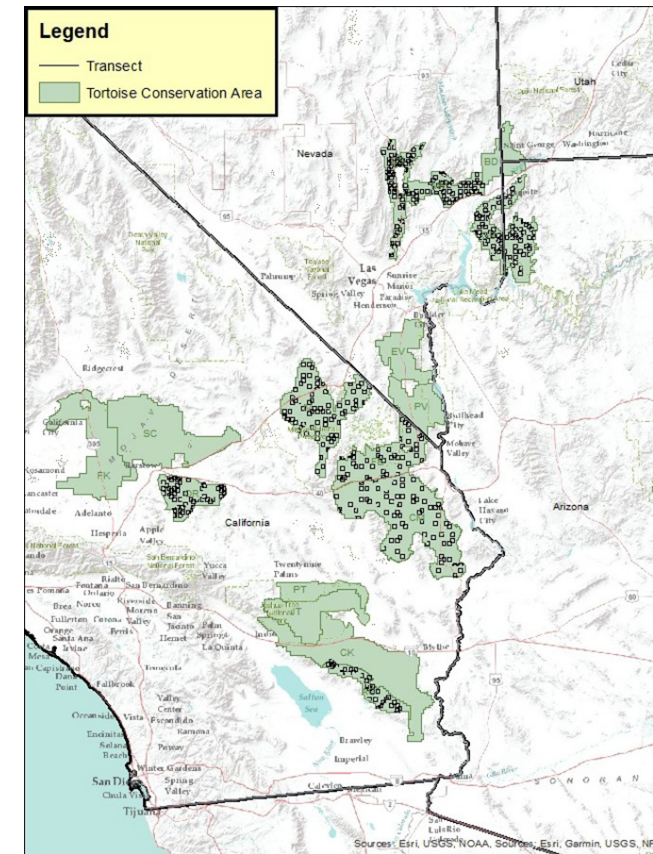
- Completed 2 seasons of data collection:
 - 412 transects surveyed
 - 439 tortoises observed
 - 173 carcasses observed
- Eight digital data uploads submitted and seven quarterly reports submitted.

Contract 2

Contract Title: DT Monitoring Data Management Year 2-5
Contract Number: 1541A
Vendor: U.S. Fish and Wildlife Service
Contract Amount: \$98,838.16
Funding Source: SNPLMA R15
Contract Term: 10/07/2016 to 10/30/2019
Contract Status: In progress

Accomplishments:

- Generated Access databases and spatial data for transects and observations each year from 2016 through 2018 (2019 is in progress).
- Produced annual reports based on data collected in 2016 through 2018. These reports document tortoise status in Clark County in combination with results for other parts of the range in federal reports.
- In 2018, a peer-reviewed paper was published to describe trends in tortoise densities range-wide and in sub-areas of the range between 2004 and 2014. Because these population trends will be reevaluated after each sub-area has been surveyed another three times, the next such assessment will occur after the conclusion of this project once an additional three surveys have been conducted. The paper illustrates how this type of consistent, high-quality data can be used for long-term projects.



All Line Distance Sampling transects surveyed during the 2018 field season



Two field surveyors walking transects during a field training session

PROGRAM AREA
ADAPTIVE MANAGEMENT PROGRAM

AMP Project 3 Species and Habitat Monitoring

DCP Project Contact Stefanie Ferrazzano
Biologist
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Background and Need for Project The Desert Conservation Program engages in a variety of monitoring projects for both species and habitat. Baseline monitoring is needed when determining pre-management conditions. Additional monitoring is needed to assess changes in species or habitats over time or to determine how management actions are affecting these resources. Since the Desert Conservation program utilizes an adaptive management approach, a robust monitoring program is essential.

Accomplishments (No contract, In-house Work)

- In summer of 2018 completed passive acoustic bat monitoring at 16 sites throughout the BCCE.
- In summer of 2019 completed passive acoustic bat monitoring at 13 sites throughout the riparian properties.
- Bats were detected at every site, but the level of use is unknown at this time.
- Recordings will be sent out for analysis in the coming weeks to determine species.

Contract 1

Contract Title: Federally Listed Bird Surveys

Contract Number: 1535A

Vendor: SWCA Environmental Consultants

Contract Amount: \$30,382.00

Funding Source: S10 2015-2017

Contract Term: 03/15/2017 to 11/30/2017

Contract Status: Complete

Unspent Funds: \$0.00

Accomplishments:

- Conducted surveys for southwestern willow flycatchers and yellow-billed cuckoos on all Riparian Reserve Unit properties at time of contract.
- Established baseline federally listed bird species data for the purpose of evaluating effectiveness of future restoration efforts at the Riparian Reserve Units.

Contract 2

Contract Title: Point Count Surveys on Riparian Properties

Contract Number: 1535B

Vendor: SWCA Environmental Consultants

Contract Amount: \$18,186.00

Funding Source: S10 2015-2017

Contract Term: 03/01/2017 to 10/15/2017 Contract

Status: Complete

Unspent Funds: \$0.00

Accomplishments:

- Developed a standardized methodology for avian point count surveys.
- Conducted avian point count surveys on three Riparian Reserve Units along the Muddy and Virgin Rivers.
- Established baseline avian species data for the purpose of evaluating effectiveness of future restoration efforts at the Riparian Reserve Units.

Contract 3

Contract Title: Avian Surveys on Riparian Props

Contract Number: 1535C, 1730E

Vendor: SWCA Environmental Consultants

Contract Amount: \$54,919.00

Funding Source: S10 2015-2017, 2017-2019

Contract Term: 04/19/2018 to 12/30/2018

Contract Status: Complete

Unspent Funds: \$0.00

Accomplishments:

- Conducted avian point count surveys on two subunits within the Virgin River Riparian Reserve Unit.
- Conducted surveys for southwestern willow flycatchers and yellow-billed cuckoos on two subunits within the Virgin River Riparian Reserve Unit.
- Established baseline avian species data for the purpose of evaluating effectiveness of future restoration efforts at the Riparian Reserve Units.

Contract 4

Contract Title: Desert Upland Baseline Bird Surveys

Contract Number: 1730C

Vendor: SWCA Environmental Consultants

Contract Amount: \$19,989.00

Funding Source: S10 2017-2019

Contract Term: 04/25/2018 to 10/15/2018

Contract Status: Complete

Unspent Funds: \$0.00

Accomplishments:

- Conducted avian point count surveys throughout the BCCE.
- Established baseline avian species data for the purposes of monitoring population changes over time and for evaluating the effects of future management actions.

Contract 5

Contract Title: Avian Species Surveys

Contract Number: 1730K

Vendor: SWCA Environmental Consultants

Contract Amount: \$100,084.00

Funding Source: S10 2017-2019

Contract Term: 04/10/2019 to 12/31/2023

Contract Status: In progress

Accomplishments:

- Conducted avian point count surveys at all Riparian Reserve Units and throughout the BCCE.
- Completed 3 of 5 rounds of surveys for southwestern willow flycatchers and 1 of 4 rounds of surveys for yellow-billed cuckoos on all Riparian Reserve Units with potential suitable habitat. Remaining surveys are scheduled for completion in the next biennium under the same contract.

Contract 6

Contract Title: Desert Upland Baseline Sm Mammal Surveys

Contract Number: 1730D

Vendor: Newfields

Contract Amount: \$24,650.00

Funding Source: S10 2017-2019

Contract Term: 04/25/2018 to 09/15/2018

Contract Status: Complete

Unspent Funds: \$0.0

Accomplishments:

- Completed 11 nights of small mammal trapping surveys at 22 locations across the BCCE.
- Established a baseline record and preliminary list of rodent species present at the BCCE.

Contract 7

Contract Title: Desert Upland Small Mammal Surveys II

Contract Number: 1730M

Vendor: BEC Environmental, Inc.

Contract Amount: \$49,910.00

Funding Source: S10 2017-2019

Contract Term: 02/20/2019 to 08/30/2019

Contract Status: In progress

Accomplishments:

- Completed small mammal trapping surveys in each of the habitats represented within the BCCE for a total of 2,200 trap nights.
- Developed a small mammal species inventory list for the BCCE.
- Final Project Data and the Final Project Report are scheduled for completion in the next biennium under the same contract.

Contract 8

Contract Title: VR and MR Property LiDAR Acquisition

Contract Number: 1730B

Vendor: Southern Nevada Water Authority

Contract Amount: \$83,524.63

Funding Source: S10 2017-2019

Contract Term: 03/20/2018 to 12/31/2018

Contract Status: Complete

Unspent Funds: \$0.0

Accomplishments:

- Acquired aerial imagery and LiDAR data of areas within Clark County.
- Developed the following products: classified LiDAR point cloud; hydro-flattened breaklines; bare-earth DEM; hillshades; vegetation classified images; intensity images; and various ESRI shapefiles.

Associated Purchase Orders				
PO Number	Vendor	PO Title	PO Amount	Funding Source
1730G	Forestry Suppliers	Acquisition of Telescoping Poles	\$181.42	S10 2017-2019
1730H	Wildlife Acoustics, Inc.	Acquisition of Acoustic Analysis Software	\$798.00	S10 2017-2019
1792A	Titley Scientific, LLC	Acquisition of Bat Detectors	\$5,955.00	S10 2017-2019
1792B	Forestry Suppliers	Acquisition of Bat Monitoring Equipment	\$220.21	S10 2017-2019



A biologist baiting and setting a Sherman live trap for small mammal trapping activities.



A cactus mouse being released from Sherman live trap after being captured during small mammal trapping activities.



A LeConte's thrasher nest observed at the BCCE during avian point count surveys.



Bat detector placed at the Bunkerville South unit of the Virgin River Reserve.

PROGRAM AREA
ADAPTIVE MANAGEMENT PROGRAM

AMP Project 4 Desert Tortoise Occupancy Sampling

DCP Project Contact Scott Cambrin
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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 data 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

Contract Title: DT Occupancy Sampling Crews II

Contract Number: 1012D

Vendor: Knight & Leavitt Associates

Contract Amount: \$742,443.20

Funding Source: SNPLMA R8

Contract Term: 01/27/2015 to 09/30/2018

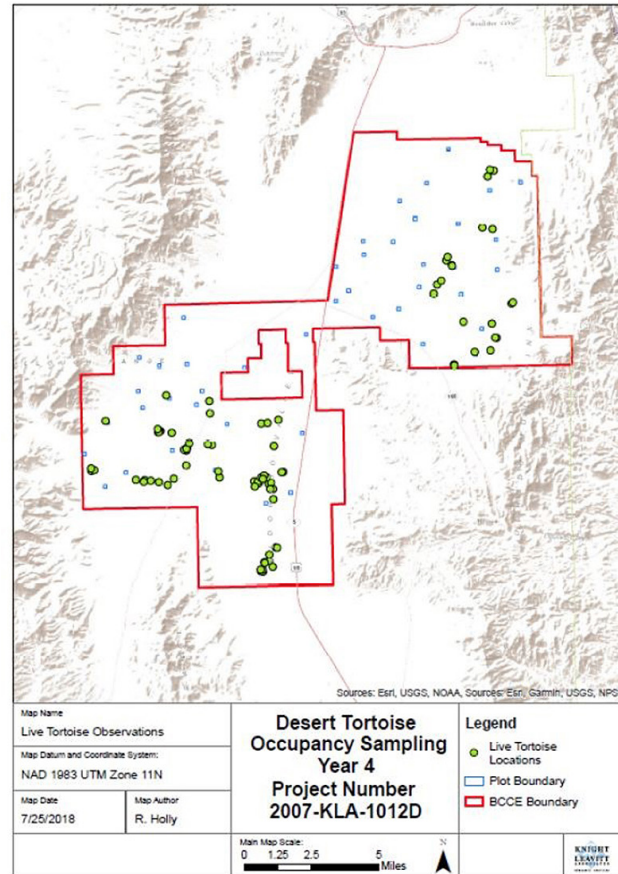
Contract Status: Complete

Unspent Funds: \$0.00

Contract 1 (cont.)

Accomplishments:

- Surveyors began work March 19th surveying all 60 plots seven times each and finished on June 14th.
- 95 tortoises were observed: 24 males, 36 females, and 35 unidentified tortoises.
- Located 223 non-unique carcasses and 524 non-unique burrows during surveys.
- Recorded eight reptile species of interest for a total of 39 observations.



Map of the BCCE showing locations of tortoises found during the project



Photo of desert tortoise in an active burrow.

PROGRAM AREA

ADAPTIVE MANAGEMENT PROGRAM

AMP Project 5 Desert Tortoise Predation Studies

DCP Project Contact Scott Cambrin
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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. These projects will provide data to help better understand the predator-prey relationship, to 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

Contract Title: BCCE DT Predation Study -Phase 2 Amendment

Contract Number: 1421B

Vendor: Conservation Science Research and Consulting

Contract Amount: \$191,758.00

Funding Source: S10 2013-2015

Contract Term: 03/24/2017 to 11/15/2018

Contract Status: Complete

Unspent Funds: \$0.00

Accomplishments:

- Completed all field work including: camera trapping, line distance sampling for ravens, genetic analysis of scat, placement of techno-tort decoys; and raven nest surveys.
- Density and risk assessment models were created for each species of potential predator surveyed and scat analysis showed that tortoises may be predated on more than previously thought.
- A management plan was created to provide means to decrease subsidized predators such as better fencing around the landfill and placing nets over top of settling ponds at the sewage treatment plant.

Contract 2

Contract Title: Desert Tortoise Predator-Prey Dynamics

Contract Number: 1795A

Vendor: U.S. Geological Survey

Contract Amount: \$576,503.40

Funding Source: S10 2017-2019

Contract Term: 12/01/2017 to 12/31/2021

Contract Status: In progress

Accomplishments:

- Observed 288 black-tailed jackrabbits, 16 kit fox, and two coyotes on approximately 1,180 km of spotlight surveys over 17 months.
- A grid of trail cameras (40) at random locations to monitor density of prey and predator species in the BCCE has been operational since June of 2018, and has recorded approximately 265,000 photos, including observations of American badger (12), black-tailed jackrabbit (2,312), bobcat (2), coyote (20), gray fox (4) and kit fox (278). Other notable species included common raven, LeConte's thrasher, loggerhead shrike, desert iguana, and sidewinder.
- A series of trail cameras (45) were deployed in travel corridors and other sites in the BCCE and surrounding area to complement the grid camera array. These cameras have recorded approximately 115,000 photos. Cameras in washes and travel corridors have produced observations of American badger (12), black-tailed jackrabbit (3,927), bobcat (23), coyote (419), desert cottontail rabbit (318), gray fox (64) and kit fox (554). Other notable species included spotted skunk, ringtail, common raven, LeConte's Thrasher, loggerhead shrike, desert iguana, and desert tortoise. These cameras have also documented off-highway vehicle (OHV) use throughout the BCCE.
- The use of carcasses and bait sites to observe seasonal changes in the composition of predator and scavenger communities in the BCCE is ongoing. Fourteen sites have been observed with approximately 6,500 videos or photos recorded. Species observed included American badger (4), coyote (191), common raven (94), golden eagle (9), gray fox (131), kit fox (68), spotted skunk (10), and turkey vulture (171).
- A total of 34 black-tailed jackrabbits were captured and marked in the spring and early summer of 2019 during 294 trap-nights, and 21 VHF/GPS collars are currently deployed on jackrabbits in the BCCE. Monitoring efforts for collared black-tailed jackrabbits are ongoing and further trapping and marking efforts are anticipated to continue in the late summer or early fall of 2019.



Photo of a Coyote taken on the BCCE with a trail camera



Photo of a Black-tailed jackrabbit taken with a trail camera on the BCCE. This animal had been previously captured, marked and given a GPS collar.

PROGRAM AREA
ADAPTIVE MANAGEMENT PROGRAM

AMP Project 6 Desert Tortoise Habitat Connectivity Study

DCP Project Contact Scott Cambrin
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Background and Need for Project In the face of development occurring in the Mojave Desert, connectivity has become an important topic. The two main aspects of connectivity are what makes up a functional movement corridor for animals and how they move across linear disturbances such as roads to keep the populations connected. This project is set up to gain insight into both issues and should provide detail in how to plan for connectivity in the future.

Contract 1

Contract Title: Desert Tortoise Connectivity Modeling

Contract Number: 2015-UNR-1580A

Vendor: University of Nevada Reno

Contract Amount: \$94,799.99

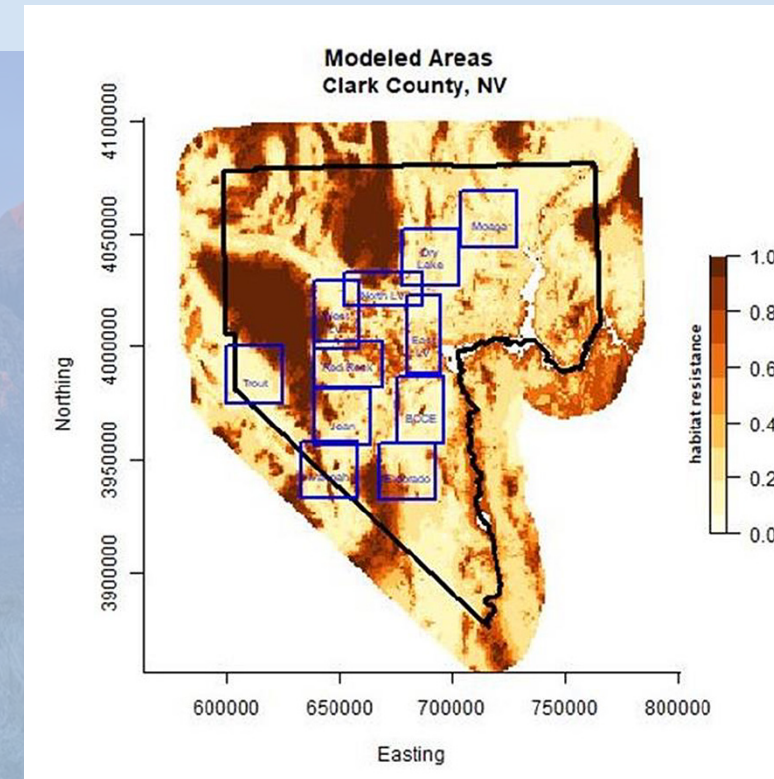
Funding Source: SNPLMA R16

Contract Term: 02/22/2018 to 10/15/2019

Contract Status: In progress

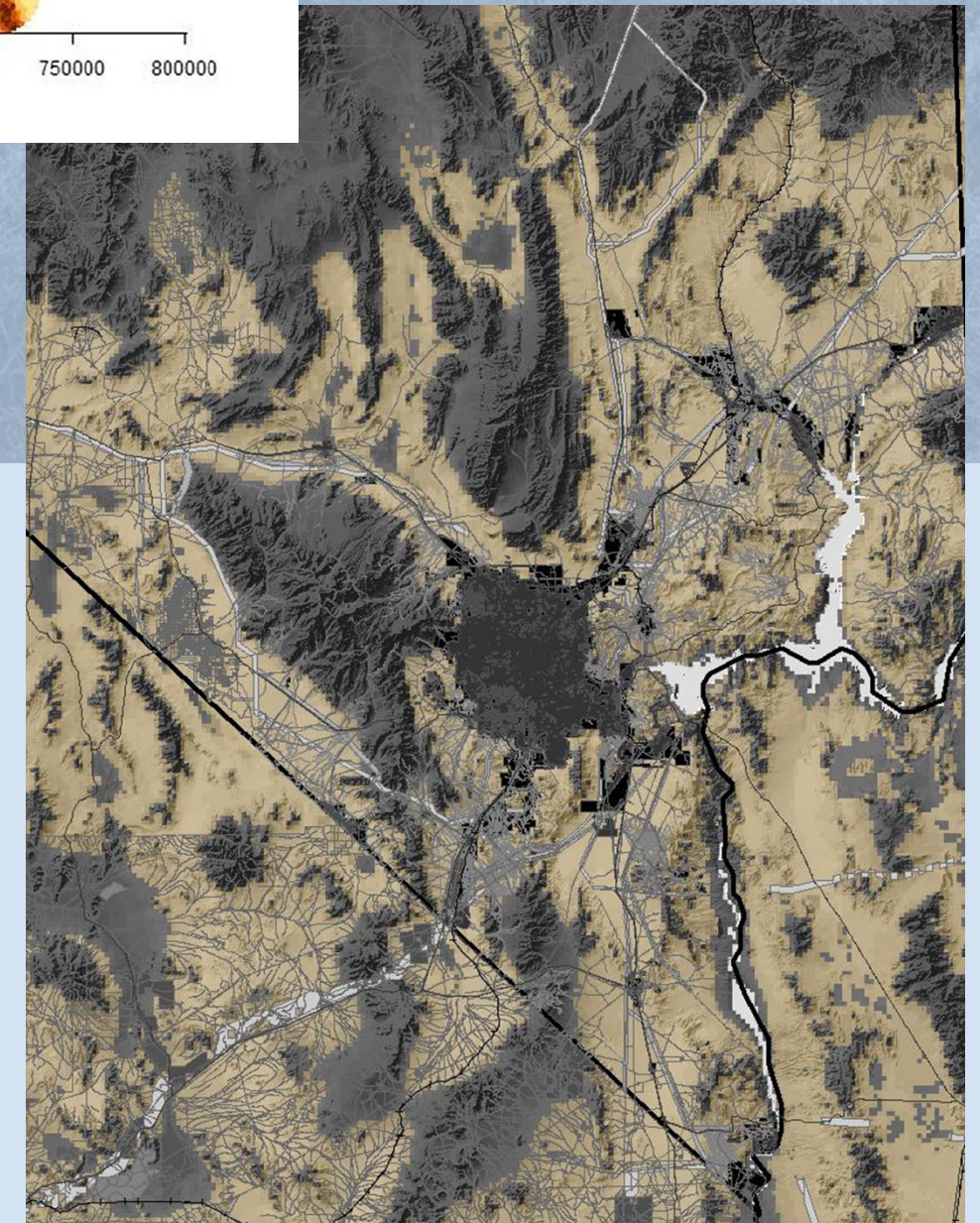
Accomplishments:

- Obtained all data needed to include in models such as current and future disturbance layers, linear rights-of-way and genetic data from across the county.
- Created the base map layer of resistance and disturbance.
- Created a proof of concept model to prove the model's capabilities.



Resistance model with areas in blue that will be simulated in the forward in time models.

Map of 50-year projections of habitat disturbance. Display is suitable (tan) or not suitable (black).



PROGRAM AREA
**ADAPTIVE MANAGEMENT
PROGRAM**

AMP Project 7 Desert Tortoise Forage Study

DCP Project Contact Scott Cambrin
Senior Biologist
702.455.3859
Scott.Cambrin@ClarkcountyNV.gov

Background and Need for Project This project allows for a better understanding of how the associations between diet, gastrointestinal tract (GIT) microbiota, physiological status, immune function, and animal response will aid in the management and recovery for Mojave desert tortoises by improving 1) animal husbandry and head-start programs for individuals held in captivity, 2) assessments of tortoise health and the pathogenesis of diseases by modifying protocols and diagnostics used to evaluate animal condition, and 3) knowledge on the link between habitat composition and quality with improved conditions for tortoises.

Contract 1

Contract Title: Effects of Exotic Forage on Mojave DT

Contract Number: 1730J

Vendor: U.S. Geological Survey

Contract Amount: \$49,881,49

Funding Source: S10 2017-2019

Contract Term: 01/07/2019 to 01/30/2020

Contract Status: In progress

Accomplishments:

- All field work associated with this project (e.g. diet treatment experiments, animal growth and condition measurements, sample collection) has been completed. U.S. Geological Survey analyzed all associated field data and plans to combine this information with laboratory results when available. They observed that juvenile tortoises consuming native plant diets grew more and demonstrated more robust positive health conditions compared to tortoises foraging on the non-native invasive grass diet (red brome) throughout the experiment.
- Laboratory work to develop and evaluate a blood biomarker panel needed to understand the physiological impacts of altered diets on tortoise health and condition is on-going. The U.S. Geological Survey and partners at the University of Nevada-Las Vegas have isolated some of the targeted proteins and continue to develop and improve laboratory techniques

Contract 1 (cont.)

Accomplishments:

- to accurately evaluate oxidative status, immune function, and physiological stress among juvenile tortoises in this experiment.
- Fecal samples (scat) collected throughout the field experiment will be sequenced and analyzed for the presence and diversity of microbiota in the laboratory; the samples have been selected, labeled, and packaged, and will be provided to the selected genome center for sequencing once a contract is awarded for that work.



Photo of a recently hatched tortoise to be used in the foraging study



Photo of a tortoise that has recently foraged.

PROGRAM AREA
ADAPTIVE MANAGEMENT PROGRAM

AMP Project 8 Evaluation of Drones for Detection of Desert Tortoises

DCP Project Contact Scott Cambrin
Senior Biologist
702.455.3859
Scott.Cambrin@ClarkcountyNV.gov

Background and Need for Project Conducting surveys for desert tortoises can be costly and labor intensive. Clark County alone spends more than a half a million dollars a year on monitoring tortoise populations. Due to their cryptic nature tortoises can be very difficult to detect in the wild so a reliable method of increasing detectability while lowering costs is desired. These projects were designed to investigate the feasibility of using drones to conduct desert tortoise surveys.

Contract 1

Contract Title: Eval Drone-Based Auto DT Detectability
Contract Number: 1785A
Vendor: Brainlike, Inc.
Contract Amount: \$49,999.00
Funding Source: S10 2017-2019
Contract Term: 09/18/2017 to 01/31/2018
Contract Status: Complete
Unspent Funds: \$0.00

Accomplishments:

- Recorded 2 flights of ortho Imagery of the survey area approximately one day apart at 75 feet above the ground.
- The computer software was able to use the imagery to locate the 2 tortoises known to be above ground at some point during the flight.
- Price comparison showed that this approach could survey a larger area for less money than current methods; however, the weather conditions have to be just right to pick things up. As technology improves this could become a viable option to replace ground-based surveys.

Contract 2

Contract Title: Viable Process for Surveying DT using Drones
Contract Number: 1785B
Vendor: Brainlike, Inc.
Contract Amount: \$5,001.00
Funding Source: S10 2017-2019
Contract Term: 02/01/2018 to 04/15/2018
Contract Status: Complete
Unspent Funds: \$0.00

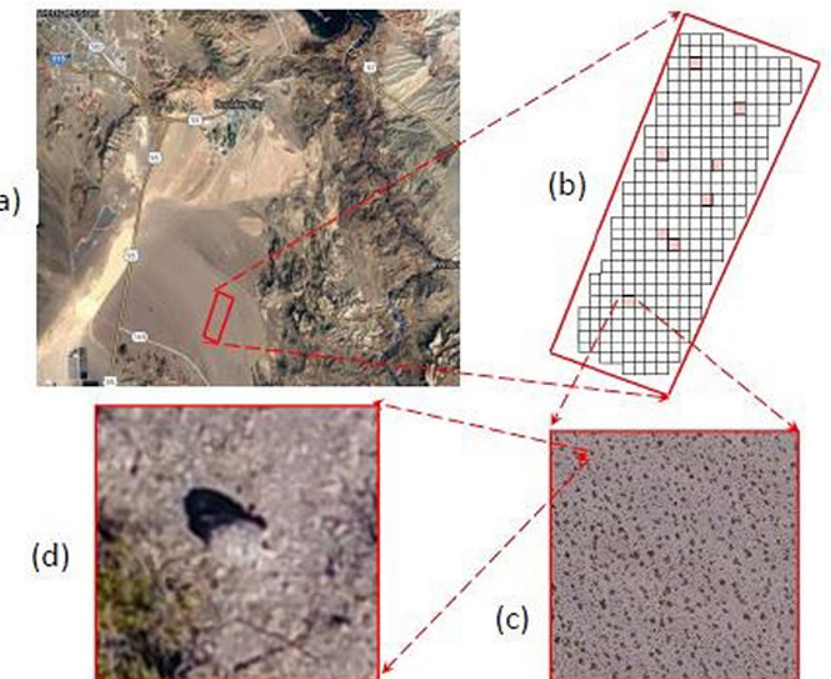
Accomplishments:

- Completed a flight plan and technology recommendation to increase the pixel size and therefore the detection rate in future projects.
- Completed a calibration plan to fine tune the model and maximize the tortoises located by pairing it with ground observations.



Drone imagery at 1cm pixel size vs. 0.5 cm pixel size. With the 0.5 pixel size being easier to detect from drone imagery.

Breakdown of drone imagery project. Where (a) is the survey area; (b) is the map of each image taken by the drone within the survey area; (c) is one image taken by the drone; and (d) is a tortoise located within the image.



TORTOISE DISPOSITION SUMMARY





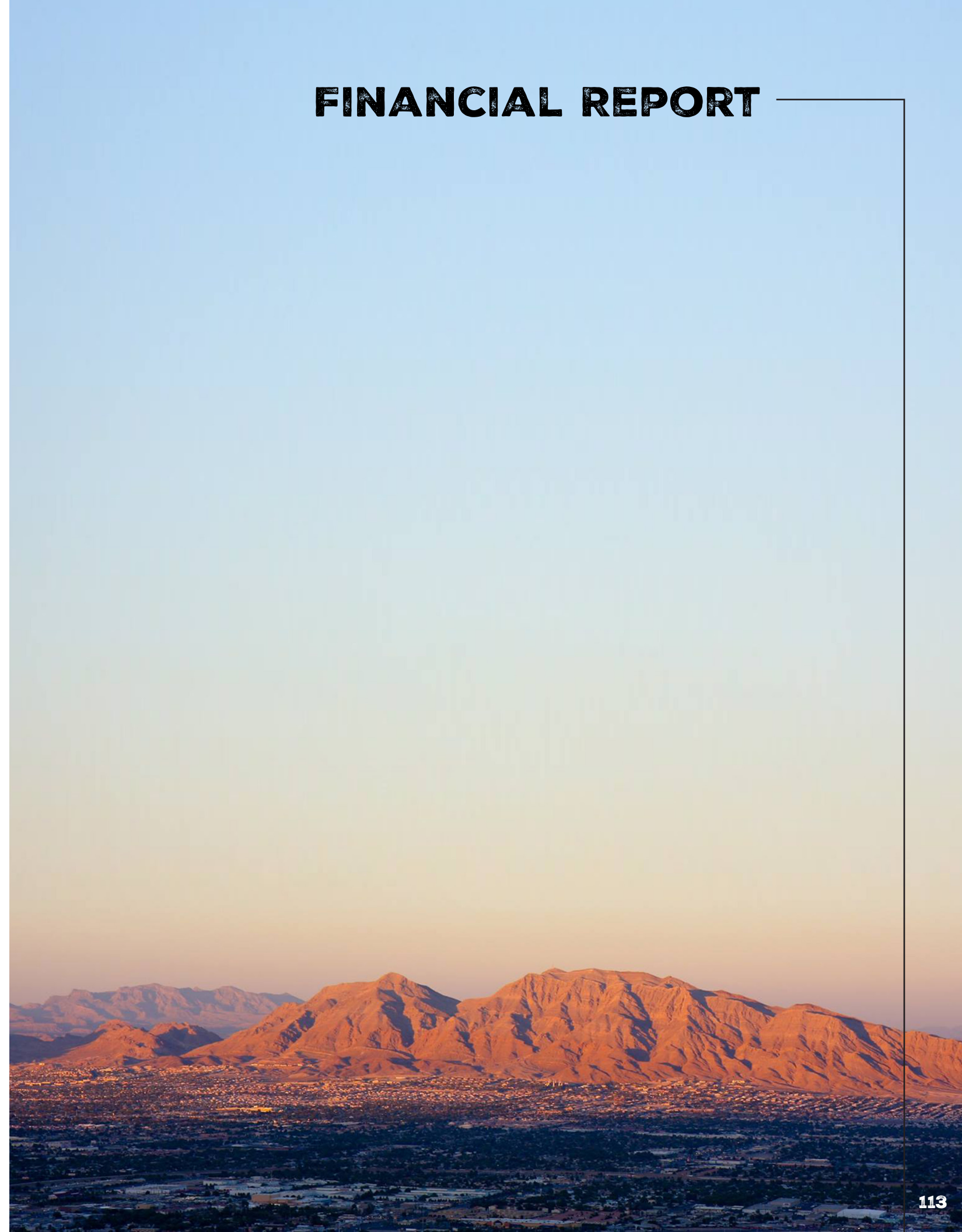
TORTOISE DISPOSITION SUMMARY

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 and 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 in accordance with approved translocation plans and following coordination with the U.S. Fish and Wildlife Service. Ultimate disposition of these tortoises is at the discretion of the U.S. Fish and Wildlife Service.

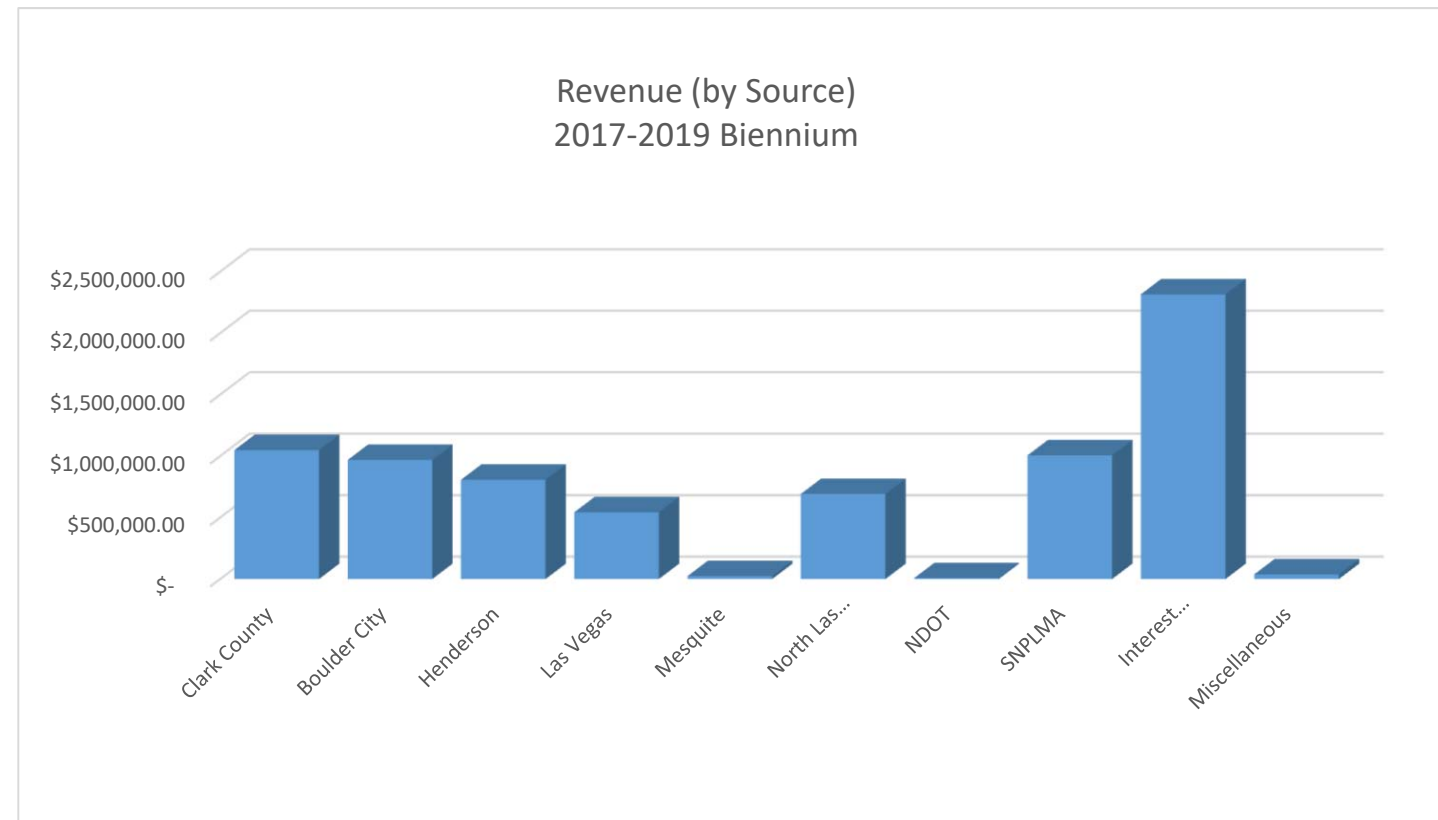
During the 2017-2019 biennium, the program received 16 calls on the Wild Desert Tortoise Assistance Line and a total of 7 adult desert tortoises were collected. Four desert tortoises are currently being held in quarantine while they undergo health assessments and suitability for translocation will be determined in the fall; all other tortoises collected during the biennium have been released to the BCCE. For further information on wild desert tortoise assistance, refer to the project reports section of this report, program area: Wild Desert Tortoise Assistance.

FINANCIAL REPORT



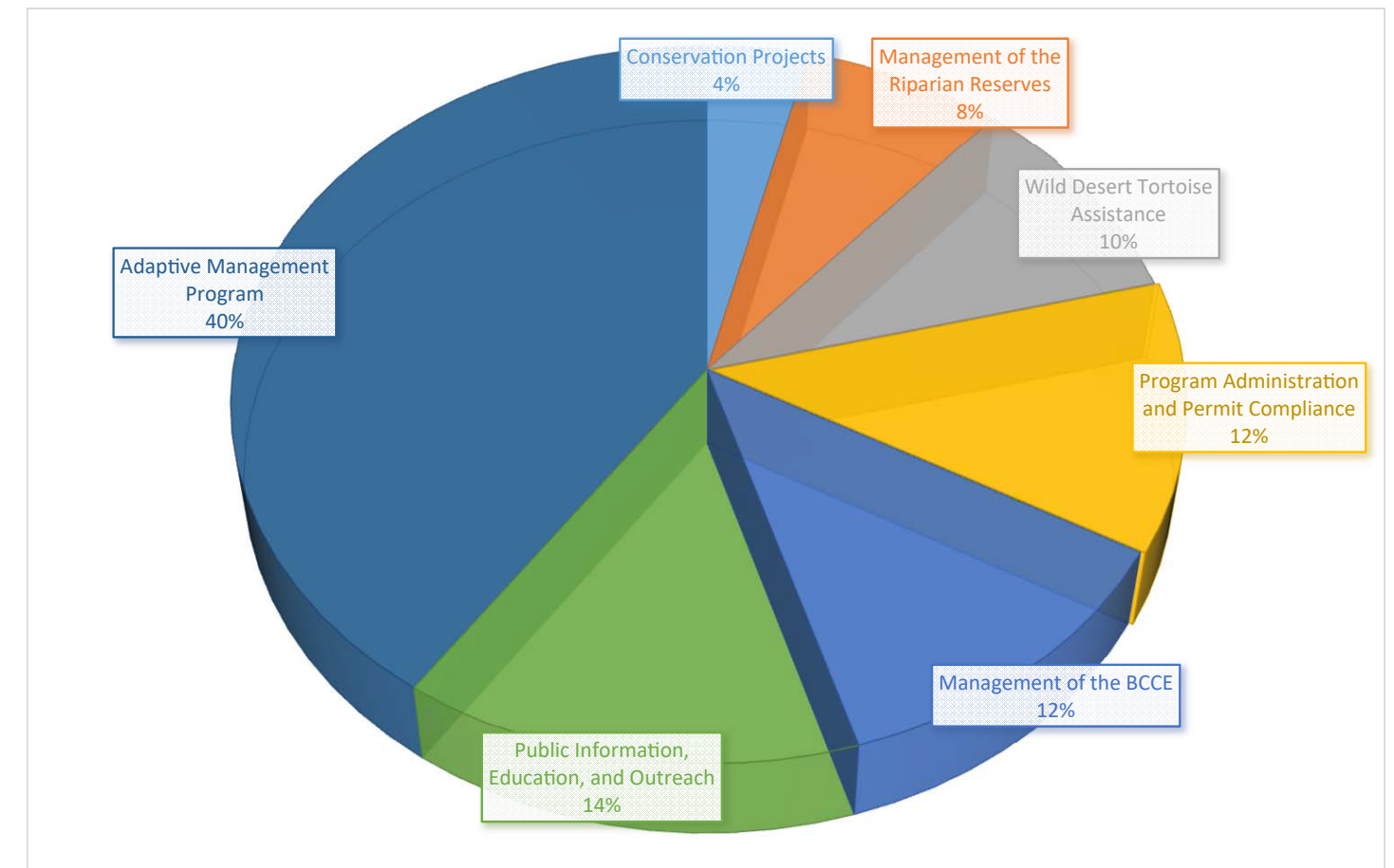
REVENUE BY SOURCE

Revenue Source	Amount
Clark County	\$ 1,049,559.20
Boulder City	\$ 969,237.50
Henderson	\$ 807,812.50
Las Vegas	\$ 543,510.00
Mesquite	\$ 24,662.00
North Las Vegas	\$ 692,450.00
NDOT	\$ 7,903.50
SNPLMA	\$ 1,006,201.67
Interest Earned	\$ 2,316,242.10
Miscellaneous	\$ 38,230.60
Total	\$ 7,455,809.07



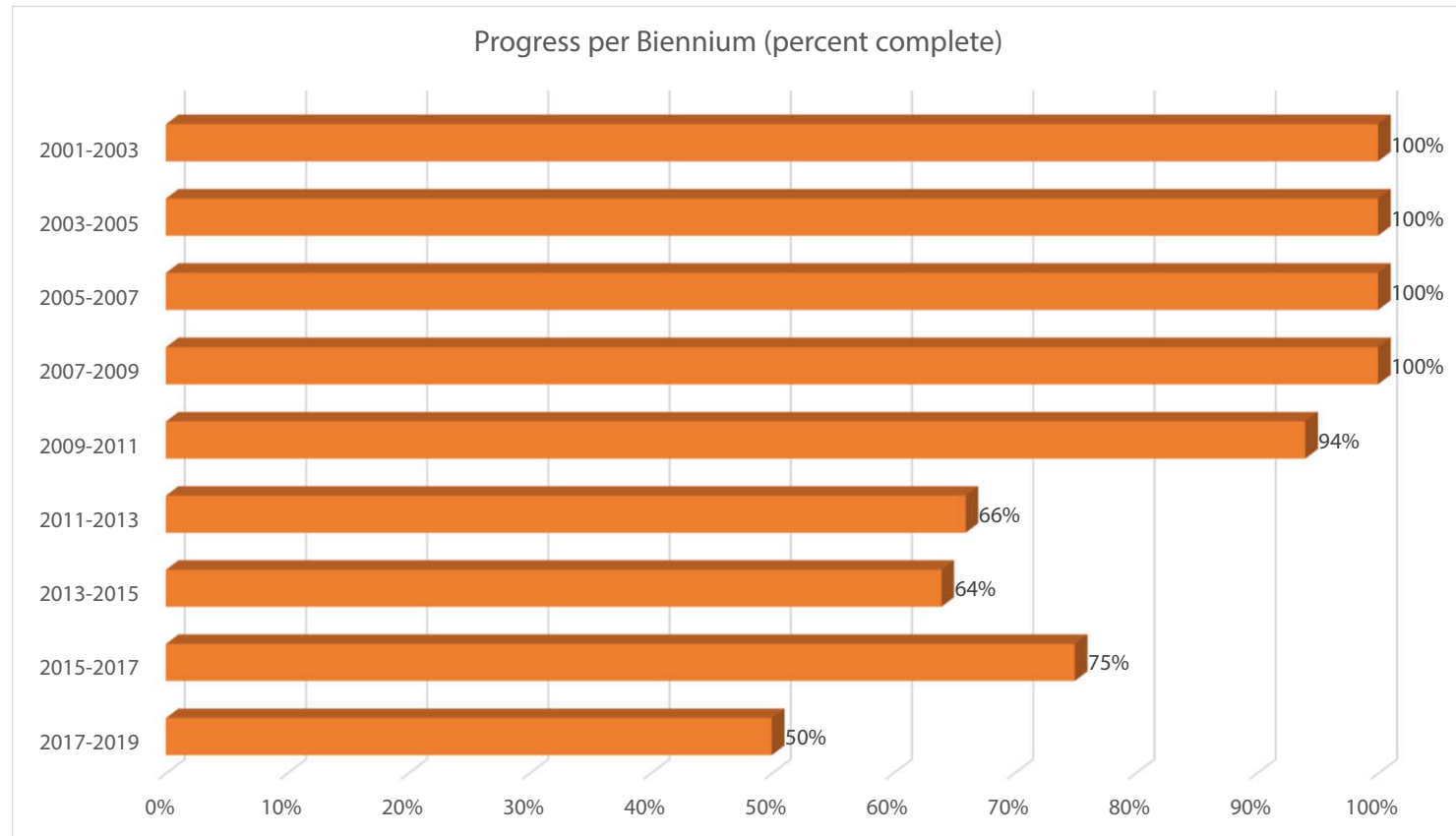
CONTRACT FUNDING BY PROGRAM AREA

Program Area	Funds	Percent
Conservation Projects	\$ 400,606.25	3.8
Management of the Riparian Reserves	\$ 782,071.99	7.4
Wild Desert Tortoise Assistance	\$ 1,030,911.73	9.8
Program Administration and Permit Compliance	\$ 1,279,917.62	12.2
Management of the BCCE	\$ 1,283,159.91	12.2
Public Information, Education, and Outreach	\$ 1,508,697.38	14.3
Adaptive Management Program	\$ 4,256,314.29	40.4
Grand Total	\$10,526,370.51	



PERCENT COMPLETE BY BIENNIUM

Biennium	Percent Complete
2017-2019	50%
2015-2017	75%
2013-2015	64%
2011-2013	66%
2009-2011	94%
2007-2009	100%
2005-2007	100%
2003-2005	100%
2001-2003	100%

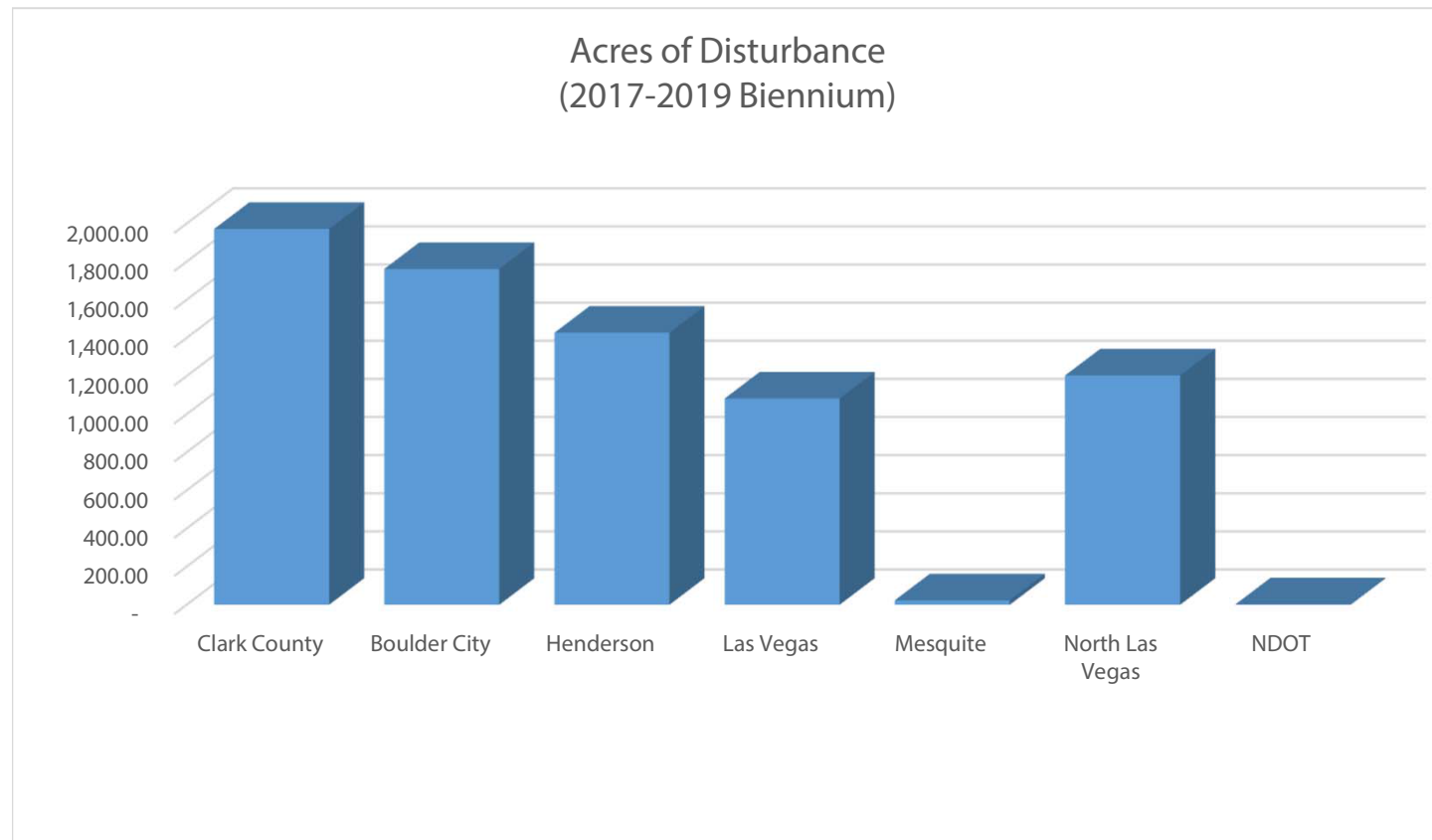


LAND DISTURBANCE REPORT



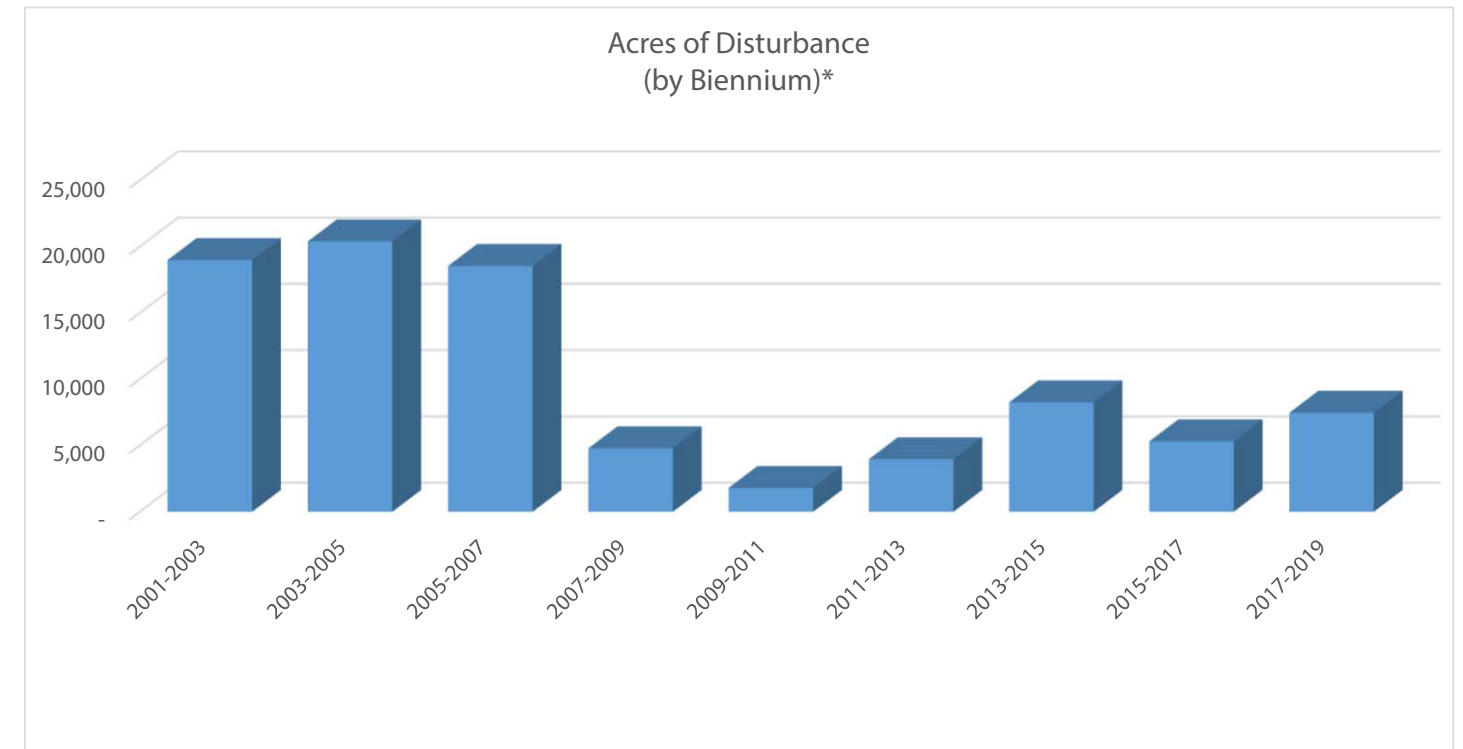
ACRES OF DISTURBANCE 17-19 BIENNIUM

Permittee	Reported Disturbance (Acres)
Clark County	1,972.09
Boulder City	1,762.25
Henderson	1,427.43
Las Vegas	1,082.16
Mesquite	23.41
North Las Vegas	1,203.10
NDOT	2.28
Total	7,472.72



ACRES OF DISTURBANCE BY BIENNIUM

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
2017-2019	7,472.72



*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 exempted from mitigation fee

PROJECT INDEX TABLES



SORTED BY CONTRACTOR

Funding Source	Biennium Funded	Project #	Contractor	Project Title	Contract Award Amount
Section 10	2011-2013	910Y	702 Graphics	No Shooting Signage	\$320.00
Section 10	2017-2019	1770D	A1 Trophies & Awards	Acq of MoMax Contest Winner Trophies	\$963.75
Section 10	2017-2019	1715J	AB UnLimited Worldwide	Acquisition of Learn to the Max Patches	\$855.00
Section 10	2017-2019	1715K	AB UnLimited Worldwide	Acquisition of flower Highlighters	\$1,490.00
Section 10	2017-2019	1715L	AB UnLimited Worldwide	Acquisition of Learn to the Max Tote Bags	\$600.00
Section 10	2017-2019	1715M	AB UnLimited Worldwide	Acquisition of Learn to the Max Crayon Sets	\$875.00
Section 10	2017-2019	1770K	AB UnLimited Worldwide	Acquisition of Mood Rulers	\$1,290.00
Section 10	2017-2019	1770L	AB UnLimited Worldwide	Acquisition of Journals with Pens	\$990.00
Section 10	2011-2013	916ZH	Abbott Trophies, LLC	Acquisition of Name Badges	\$29.00
Section 10	2017-2019	1770G	Abbott Trophies, LLC	Acquisition of Learn to the Max Name Badges	\$29.00
Section 10	2013-2015	1420P	ABC Locksmiths	Rekey Two Locks at 4701 W. Russell Road	\$107.00
Section 10	2017-2019	1715N	Acorn Naturalists	Educational Classroom Resources	\$714.89
Section 10	2013-2015	1460C	Adaptation Insight	Facilitate Climate Change Workshop	\$3,500.00
Section 10	2013-2015	1410C	Alta Sciences & Engineering, Inc.	Science Advisor Panel for the DCP	\$147,991.54
Section 10	2017-2019	1730A	Alta Sciences & Engineering, Inc.	Science Advisor Panel for the DCP	\$486,074.90
Section 10	2013-2015	1420J	American Express	Reserves Maintenance & Tools	\$2,400.00
Section 10	2013-2015	1420M	American Express	Reserves Maintenance & Tools	\$2,400.00
Section 10	2013-2015	1460B	Applied Analysis	Economic Analysis of a Regional HCP	\$49,100.00
Section 10	2011-2013	916ZE	B & H Photo	Acquisition of Mojave Max Trail Camera	\$451.95
Section 10	2017-2019	1730M	BEC Environmental, Inc.	Desert Upland Small Mammal Surveys II	\$49,910.00
Section 10	2017-2019	1715H	Bluetrack, Inc	Acquisition of DT Stress Balls	\$1,250.00
Section 10	2017-2019	1715T	Bluetrack, Inc	Acquisition of Mo Max Stress Balls	\$6,505.00
Section 10	2017-2019	1710A	Boulder City Conservation Easement Law Enforcement	Law Enforcement for the BCCE	\$250,016.29
Section 10	2017-2019	1785A	Brainlike, Inc.	Eval Drone-Based Auto DT Detectability	\$49,999.00
Section 10	2017-2019	1785B	Brainlike, Inc.	Viable Process for Surveying DT using Drones	\$5,001.00
Section 10	2017-2019	1770C	Brian Small Photo	Avian Species Photographs	\$3,000.00
Section 10	2017-2019	1700C	Cintas First Aid & Safety	First Aid & Safety Supplies FY18	\$200.00
Section 10	2017-2019	1700L	Cintas First Aid & Safety	First Aid & Safety Supplies FY19	\$200.00
Section 10	2015-2017	1510A	City of Boulder City	BCCE Law Enforcement	\$217,460.00
Section 10	2013-2015	1421B	Conservation Science Research	BCCE DT Predation Study -Phase 2 Amendment	\$191,758.00
Section 10	2017-2019	1700J	Dell Marketing LP	Closed Acquisition of Computers	\$12,585.73
Section 10	2017-2019	1700Q	Dell Marketing LP	Acquisition of Replacement Laptop	\$1,192.97
Section 10	2009-2011	805AF	Eagle View Contractors, Inc.	MR Vegetation Clearing (w/1520P & 1720D)	\$971.29
Section 10	2013-2015	1445H	Eagle View Contractors, Inc.	Riparian Rsv Units Prop Maint (w/1520)	\$27,865.36
Section 10	2015-2017	1520M	Eagle View Contractors, Inc.	Riparian Rsv Units Prop Maint (w/1445)	\$22,134.64
Section 10	2015-2017	1520P	Eagle View Contractors, Inc.	MR Vegetation Clearing (w/805 & 1720)	\$10,116.43
Section 10	2017-2019	1720D	Eagle View Contractors, Inc.	MR Vegetation Clearing (w/1520P & 805AF)	\$187.28
Section 10	2017-2019	1770B	Earthcam, Inc.	Removal of Mojave Max Camera	\$875.00

Funding Source	Biennium Funded	Project #	Contractor	Project Title	Contract Award Amount
Section 10	2007-2009	1014J	Ebbin, Moser & Skaggs	Legal Services for DCP	\$193,564.13
Section 10	2009-2011	803F	Ecocentric, LLC	DT Health Assess and Pickup Svc Support	\$93,390.00
Section 10	2017-2019	1700H	Faciliteq	Design Option Drawings	\$275.00
Section 10	2009-2011	805AE	Farr West Engineering	Water Rights Consulting	\$10,196.70
Section 10	2013-2015	1445E	Farr West Engineering	Water Rights Consulting	\$11,943.30
Section 10	2017-2019	1730G	Forestry Suppliers	Acquisition of Telescoping Poles	\$181.42
Section 10	2017-2019	1792B	Forestry Suppliers	Acquisition of Bat Monitoring Equipment	\$220.21
SNPLMA	Round 14	1446C	Fred Phillips Consulting, LLC	Muddy River Restoration Plan	\$23,999.75
Section 10	2013-2015	1420T	Frontier Precision	GNSS Receiver Rental	\$50.00
Section 10	2007-2009	719AA	Great Basin Institute	BCCE DT Telemetry and Health Assessments	\$7,896.71
Section 10	2013-2015	1455D	Great Basin Institute	Muddy River Habitat Restoration	\$45,440.11
Section 10	2015-2017	1540C	Great Basin Institute	Desert Tortoise Range-Wide Mon (w/1541B)	\$55,214.26
Section 10	2015-2017	1540D	Great Basin Institute	BCCE DT Telemetry and Health Assessments	\$22,833.00
Section 10	2015-2017	1545A	Great Basin Institute	DT Telemetry on the BCCE (Yr 2 & 3)	\$341,652.47
Section 10	2015-2017	1545B	Great Basin Institute	BCCE DT Telemetry and Health Assessments	\$8,347.53
Section 10	2017-2019	1740A	Great Basin Institute	DT Telemetry on the BCCE (Yr4)	\$181,722.45
Section 10	2017-2019	1740B	Great Basin Institute	BCCE DT Telemetry and Health Assessments	\$8,675.36
SNPLMA	Round 15	1521C	Great Basin Institute	Mormon Mesa Restoration Services	\$23,984.88
SNPLMA	Round 15	1541B	Great Basin Institute	Desert Tortoise Range-Wide Monitoring	\$924,012.00
Section 10	2017-2019	1700G	Haworth, Inc	Acquisition of DCP Storage Cabinets	\$1,623.76
SNPLMA	Round 15	1521D	Helena Chemical Company	Herbicide Acquisition for Mormon Mesa Restoration	\$9,517.00
SNPLMA	Round 15	1521F	Helena Chemical Company	Herbicide Acquisition	\$9,397.00
Section 10	2015-2017	1525B	HRA, Inc.	Tule Springs Cultural Resource Survey	\$11,556.25
Section 10	2011-2013	916ZD	Jackson Media Works	Acquisition of Sunshades	\$1,400.00
Section 10	2017-2019	1700A	Jackson Media Works	2015-2017 BPR Editing and Printing	\$3,150.00
Section 10	2009-2011	804J	John Jones Landscape Architect	DT Combo Fencing Engineering Details	\$5,000.00
Section 10	2011-2013	910V	John Jones Landscape Architect	BCCE Gabion Sign Attachment Specifications	\$1,000.00
Section 10	2009-2011	803E	Knight & Leavitt Associates	Hotline and Processing of Wild DTs	\$213,740.00
SNPLMA	Round 8	1012D	Knight & Leavitt Associates	Desert Tortoise Occupancy Sampling Crews II	\$440,000.00
Section 10	2011-2013	910U	KVO Industries	BCCE Kiosk Signs - 3 Locations	\$7,865.00
Section 10	2015-2017	1520J	L.J. McCormick Enterprises Inc	Riparian Property Maintenance	\$36,200.00
Section 10	2013-2015	1420S	LandAirSea Systems	Acquisition of GPS Logger for BCPD Patrols	\$254.90
Section 10	2011-2013	916ZL	Las Vegas Tactical, LLC	Acquisition of MoMax Patches	\$870.00
Section 10	2017-2019	1790A	Las Vegas Valley Water District	LV Bearpoppy Fencing, Ramada & Trail	\$94,810.00
Section 10	2009-2011	807G	Logo Apparel	Acquisition of Learn to the Max Staff Shirts	\$76.00
Section 10	2011-2013	916ZF	Logo Apparel	Acquisition of Learn to the Max Shirts	\$366.00
Section 10	2017-2019	1700D	Logo Apparel	Uniform Apparel - FY18	\$600.00
Section 10	2017-2019	1700M	Logo Apparel	Uniform Apparel FY19	\$600.00

SORTED BY CONTRACTOR

Funding Source	Biennium Funded	Project #	Contractor	Project Title	Contract Award Amount
Section 10	2017-2019	1715F	Logo Apparel	Acquisition of Beeswax Lip Balm	\$586.00
Section 10	2017-2019	1715G	Logo Apparel	Acquisition of Fidget Spinners	\$895.00
Section 10	2017-2019	1715P	Logo Apparel	Acquisition of DCP Pens	\$820.00
Section 10	2017-2019	1770J	Logo Apparel	Acquisition of Neck Buffs	\$1,740.00
Section 10	2017-2019	1770Q	Logo Apparel	Acquisition of Table Throw	\$120.00
Section 10	2011-2013	910W	Maile Concrete	BCCE Gabions Constructed in Three Locations	\$24,100.00
Section 10	2011-2013	910Z	Maile Concrete	Route G Desert Tortoise Guard	\$2,279.90
Section 10	2017-2019	1700R	Monsen Engineering	Acquisition of Plotter	\$5,253.00
Section 10	2011-2013	916ZK	Morgan Specialties, Inc.	Acquisition of Mood Rulers	\$1,288.60
Section 10	2017-2019	1715E	Morgan Specialties, Inc.	Acquisition of Plastic Conference Bags	\$375.63
Section 10	2011-2013	910S	Muller Construction	BCCE Restore & Repair	\$14,285.34
Section 10	2015-2017	1515AA	Muller Construction	Repair Hole from Camera Removal	\$600.00
Section 10	2015-2017	1525A	Muller Construction	Energy Zone Fencing	\$238,698.37
Section 10	2009-2011	807F	MXT Media	OHV Registration Program Marketing	\$110,416.45
Section 10	2009-2011	807H	MXT Media	DT Aware & Invasive Spec Ed for OHV Comm	\$50,000.00
Section 10	2017-2019	1775A	MXT Media	OHV Marketing	\$100,000.00
Section 10	2017-2019	1715Q	My Promos & Apparel	Acquisition of Natural Beeswax Lip Balm	\$486.20
Section 10	2017-2019	1715S	MYS Project and Brand Management	Graphics Design for DCP Pamphlets	\$1,625.00
Section 10	2011-2013	910R	National Park Service (NPS)	BCCE Weed Survey	\$35,000.00
Section 10	2015-2017	1520B	National Park Service (NPS)	Muddy River Weed Management	\$108,000.00
Section 10	2017-2019	1710B	National Park Service (NPS)	BCCE Weed Survey	\$61,000.00
Section 10	2017-2019	1720A	National Park Service (NPS)	Virgin River Weed Management	\$143,000.00
SNPLMA	Round 14	1446D	National Park Service (NPS)	Muddy River Habitat Restoration	\$65,836.00
Section 10	2017-2019	1792C	Nevada Department of Minerals	Gold Butte AML Closures	\$193,824.79
SNPLMA	Round 15	1521E	Nevada Division of Forestry	Virgin River Riparian Restoration	\$80,000.00
Section 10	2017-2019	1730D	Newfields	Desert Upland Baseline Sm Mammal Surveys	\$24,650.00
Section 10	2017-2019	1700E	Opportunity Village	Document Shredding and Container FY18	\$150.00
Section 10	2017-2019	1700N	Opportunity Village	Document Shredding and Container FY19	\$150.00
Section 10	2017-2019	1787A	Oquendo Center	Pet Desert Tortoise Sterilization Workshop	\$24,999.85
Section 10	2015-2017	1515AC	Outside Las Vegas Foundation	Mojave Max Education Program (w/1715)	\$28,297.23
Section 10	2017-2019	1715A	Outside Las Vegas Foundation	Mojave Max Education Program	\$203,500.00
Section 10	2011-2013	916ZG	Paper Zombies	Acquisition of Mojave Max Cut-Outs	\$118.00
Section 10	2011-2013	916ZM	Paper Zombies	Gfx Design for MoMax Brochure (w/1515)	\$114.35
Section 10	2015-2017	1515AB	Paper Zombies	Gfx Design for MoMax Brochure (w/916)	\$35.65
Section 10	2017-2019	1715U	Paper Zombies	DCP Graphics Design	\$75.00
Section 10	2017-2019	1770E	Paper Zombies	Artwork to Revise Mojave Max Collateral	\$225.00
Section 10	2017-2019	1770N	Paper Zombies	Graphics Design for MM Emergence Tees	\$262.50
Section 10	2011-2013	910T	Pictographics	BCCE Limited Use Signs	\$565.00

Funding Source	Biennium Funded	Project #	Contractor	Project Title	Contract Award Amount
Section 10	2011-2013	910X	Pictographics	Limited Use & Authorized Road Signage	\$620.00
Section 10	2013-2015	1420L	Pictographics	Route G Desert Tortoise Guard	\$5,520.10
Section 10	2013-2015	1420N	Pictographics	Acquisition of Dead End Sign	\$145.00
Section 10	2013-2015	1420Q	Pictographics	Acquisition of Dead End Sign	\$145.00
Section 10	2015-2017	1520N	Pictographics	Muddy River Reserve Unit Gate Signs	\$55.00
Section 10	2017-2019	1700F	Red Wing Shoes of America	Lot 4 - Safety Shoes for Staff FY18	\$550.00
Section 10	2017-2019	1700P	Red Wing Shoes of America	Lot 4 - Safety Shoes for Staff FY19	\$550.00
Section 10	2015-2017	1515Y	Robertson + Partners	Mojave Max Assembly Power-Point Presentation	\$6,250.00
Section 10	2017-2019	1770A	Robertson + Partners	DCP Branding Project	\$400,000.00
Section 10	2017-2019	1770F	Robertson + Partners	MoMax Website Hosting and Support	\$3,660.00
Section 10	2017-2019	1770H	Robertson + Partners	Advertising for Desert Tortoise License Plate	\$25,000.00
Section 10	2013-2015	1420R	Signarama	Route E Flooding Signage	\$75.41
Section 10	2011-2013	916ZJ	Skyhigh Marketing	Acquisition of Tortoise Erasers	\$1,154.40
Section 10	2017-2019	1715B	Skyhigh Marketing	Acquisition of Lip Moisturizer Balls	\$710.00
Section 10	2017-2019	1715C	Skyhigh Marketing	Acquisition of Ear Buds	\$1,025.00
Section 10	2017-2019	1715D	Skyhigh Marketing	Acquisition of Tortoise Paper Clips	\$1,550.00
Section 10	2017-2019	1715R	Skyhigh Marketing	Acquisition of Mojave Max Sunglasses	\$1,238.00
Section 10	2017-2019	1770M	Skyhigh Marketing	Acquisition of Mojave Max Slide Puzzle	\$420.00
Section 10	2017-2019	1770P	Skyhigh Marketing	Acquisition of Lip Balm Balls	\$628.00
Section 10	2013-2015	1420K	SmartSign	Slow Signage for Eldorado Valley Drive	\$92.60
Section 10	2015-2017	1515A	Southern Nevada Conservancy	Mojave Max Education Program	\$180,500.00
Section 10	2017-2019	1730B	Southern NV Water Authority (SNWA)	VR and MR Property LiDAR Acquisition	\$83,524.63
Section 10	2011-2013	901B	Southwest Ecology, LLC	Covered Species Analysis Support	\$460,256.47
Section 10	2013-2015	1460D	Southwest Ecology, LLC	Joshua Tree Habitat Model	\$14,200.00
Section 10	2017-2019	1700B	Staples	Office Supplies - Admin FY18	\$5,000.00
Section 10	2017-2019	1700K	Staples	Office Supplies - Admin FY19	\$5,000.00
Section 10	2009-2011	809M	SWCA Environmental Consultants	BCCE Cultural Resource Survey	\$34,096.00
Section 10	2015-2017	1535A	SWCA Environmental Consultants	Federally Listed Bird Surveys	\$30,382.00
Section 10	2015-2017	1535B	SWCA Environmental Consultants	Point Count Surveys on Riparian Properties	\$18,186.00
Section 10	2015-2017	1535C	SWCA Environmental Consultants	Avian Surveys on Riparian Props (w/1730)	\$4,299.00
Section 10	2017-2019	1720C	SWCA Environmental Consultants	Mormon Mesa Restoration Monitoring	\$383.73
Section 10	2017-2019	1730C	SWCA Environmental Consultants	Desert Upland Baseline Bird Surveys	\$19,989.00
Section 10	2017-2019	1730E	SWCA Environmental Consultants	Avian Surveys on Riparian Props (w/1535)	\$50,620.00
Section 10	2017-2019	1730K	SWCA Environmental Consultants	Avian Species Surveys	\$100,084.00
Section 10	2017-2019	1750A	SWCA Environmental Consultants	Virgin River Drone Imagery	\$7,573.00
SNPLMA	Round 15	1521B	SWCA Environmental Consultants	VR Rest Plan -Morman Mesa Ph 1	\$7,588.00
Section 10	2013-2015	1410B	Terragraphics	Science Advisor Panel for the DCP	\$374,642.00
Section 10	2013-2015	1445F	The Nature Conservancy	Lower Virgin River Integrated Watershed Plan	\$10,000.00

SORTED BY CONTRACTOR

Funding Source	Biennium Funded	Project #	Contractor	Project Title	Contract Award Amount
Section 10	2017-2019	1792A	Titely Scientific, LLC	Acquisition of Bat Detectors	\$5,955.00
Section 10	2017-2019	1710C	Turf Tech, Inc.	BCCE Maintenance	\$45,000.00
Section 10	2015-2017	1550A	University of Nevada (UNLV)	Relict Leopard Frog Conserv Plan and Implementation	\$184,050.00
Section 10	2013-2015	1460E	University of Nevada Reno	Species Distribution Modeling, Phase II	\$115,720.00
SNPLMA	Round 15	1580A	University of Nevada Reno	Desert Tortoise Connectivity Modeling	\$94,799.99
SNPLMA	Round 15	1541A	US Fish & Wildlife Service	DT Monitoring Data Management Year 2-5	\$153,361.00
Section 10	2017-2019	1730J	US Geological Survey	Effects of Exotic Forage on Mojave DT	\$49,881.49
Section 10	2017-2019	1795A	US Geological Survey	Desert Tortoise Predator-Prey Dynamics	\$576,503.40
Section 10	2011-2013	917AA:MC	Various	Land Purchases	\$1,505,271.35
Section 10	2017-2019	1730H	Wildlife Acoustics, Inc.	Acquisition of Acoustic Analysis Software	\$798.00
Section 10	2011-2013	901H	WRA Environmental Consultants	HCP Consultant for the MSHCP Amendment	\$92,226.66
Section 10	2013-2015	1460A	WRA Environmental Consultants	HCP Consultant for the MSHCP Amendment	\$307,773.34

SORTED BY FUNDING SOURCE

Funding Source	Biennium Funded	Project #	Contractor	Project Title	Contract Award Amount
Section 10	2007-2009	1014J	Ebbin, Moser & Skaggs	Legal Services for DCP	\$193,564.13
Section 10	2007-2009	719AA	Great Basin Institute	BCCE DT Telemetry and Health Assessments	\$7,896.71
Section 10	2009-2011	803E	Knight & Leavitt Associates	Hotline and Processing of Wild DTs	\$213,740.00
Section 10	2009-2011	803F	Ecocentric, LLC	DT Health Assess and Pickup Svc Support	\$93,390.00
Section 10	2009-2011	804J	John Jones Landscape Architect	DT Combo Fencing Engineering Details	\$5,000.00
Section 10	2009-2011	805AE	Farr West Engineering	Water Rights Consulting	\$10,196.70
Section 10	2009-2011	805AF	Eagle View Contractors, Inc.	MR Vegetation Clearing (w/1520P & 1720D)	\$971.29
Section 10	2009-2011	807F	MXT Media	OHV Registration Program Marketing	\$110,416.45
Section 10	2009-2011	807G	Logo Apparel	Acquisition of Learn to the Max Staff Shirts	\$76.00
Section 10	2009-2011	807H	MXT Media	DT Aware & Invasive Spec Ed for OHV Comm	\$50,000.00
Section 10	2009-2011	809M	SWCA Environmental Consultants	BCCE Cultural Resource Survey	\$34,096.00
Section 10	2011-2013	901B	Southwest Ecology, LLC	Covered Species Analysis Support	\$460,256.47
Section 10	2011-2013	901H	WRA Environmental Consultants	HCP Consultant for the MSHCP Amendment	\$92,226.66
Section 10	2011-2013	910R	National Park Service (NPS)	BCCE Weed Survey	\$35,000.00
Section 10	2011-2013	910S	Muller Construction	BCCE Restore & Repair	\$14,285.34
Section 10	2011-2013	910T	Pictographics	BCCE Limited Use Signs	\$565.00
Section 10	2011-2013	910U	KVO Industries	BCCE Kiosk Signs - 3 Locations	\$7,865.00
Section 10	2011-2013	910V	John Jones Landscape Architect	BCCE Gabion Sign Attachment Specifications	\$1,000.00
Section 10	2011-2013	910W	Maile Concrete	BCCE Gabions Constructed in Three Locations	\$24,100.00
Section 10	2011-2013	910X	Pictographics	Limited Use & Authorized Road Signage	\$620.00
Section 10	2011-2013	910Y	702 Graphics	No Shooting Signage	\$320.00
Section 10	2011-2013	910Z	Maile Concrete	Route G Desert Tortoise Guard	\$2,279.90
Section 10	2011-2013	916ZD	Jackson Media Works	Acquisition of Sunshades	\$1,400.00
Section 10	2011-2013	916ZE	B & H Photo	Acquisition of Mojave Max Trail Camera	\$451.95
Section 10	2011-2013	916ZF	Logo Apparel	Acquisition of Learn to the Max Shirts	\$366.00
Section 10	2011-2013	916ZG	Paper Zombies	Acquisition of Mojave Max Cut-Outs	\$118.00
Section 10	2011-2013	916ZH	Abbott Trophies, LLC	Acquisition of Name Badges	\$29.00
Section 10	2011-2013	916ZJ	Skyhigh Marketing	Acquisition of Tortoise Erasers	\$1,154.40
Section 10	2011-2013	916ZK	Morgan Specialties, Inc.	Acquisition of Mood Rulers	\$1,288.60
Section 10	2011-2013	916ZL	Las Vegas Tactical, LLC	Acquisition of MoMax Patches	\$870.00
Section 10	2011-2013	916ZM	Paper Zombies	Gfx Design for MoMax Brochure (w/1515)	\$114.35
Section 10	2011-2013	917AA:MC	Various	Land Purchases	\$1,505,271.35
Section 10	2013-2015	1410B	Terragraphics	Science Advisor Panel for the DCP	\$374,642.00

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Funding Source	Biennium Funded	Project #	Contractor	Project Title	Contract Award Amount
Section 10	2013-2015	1410C	Alta Sciences & Engineering, Inc.	Science Advisor Panel for the DCP	\$147,991.54
Section 10	2013-2015	1420J	American Express	Reserves Maintenance & Tools	\$2,400.00
Section 10	2013-2015	1420K	SmartSign	Slow Signage for Eldorado Valley Drive	\$92.60
Section 10	2013-2015	1420L	Pictographics	Route G Desert Tortoise Guard	\$5,520.10
Section 10	2013-2015	1420M	American Express	Reserves Maintenance & Tools	\$2,400.00
Section 10	2013-2015	1420N	Pictographics	Acquisition of Dead End Sign	\$145.00
Section 10	2013-2015	1420P	ABC Locksmiths	Rekey Two Locks at 4701 W. Russell Road	\$107.00
Section 10	2013-2015	1420Q	Pictographics	Acquisition of Dead End Sign	\$145.00
Section 10	2013-2015	1420R	Signarama	Route E Flooding Signage	\$75.41
Section 10	2013-2015	1420S	LandAirSea Systems	Acquisition of GPS Logger for BCPD Patrols	\$254.90
Section 10	2013-2015	1420T	Frontier Precision	GNSS Receiver Rental	\$50.00
Section 10	2013-2015	1421B	Conservation Science Research	BCCE DT Predation Study -Phase 2 Amendment	\$191,758.00
Section 10	2013-2015	1445E	Farr West Engineering	Water Rights Consulting	\$11,943.30
Section 10	2013-2015	1445F	The Nature Conservancy	Lower Virgin River Integrated Watershed Plan	\$10,000.00
Section 10	2013-2015	1445H	Eagle View Contractors, Inc.	Riparian Rsv Units Prop Maint (w/1520)	\$27,865.36
Section 10	2013-2015	1455D	Great Basin Institute	Muddy River Habitat Restoration	\$45,440.11
Section 10	2013-2015	1460A	WRA Environmental Consultants	HCP Consultant for the MSHCP Amendment	\$307,773.34
Section 10	2013-2015	1460B	Applied Analysis	Economic Analysis of a Regional HCP	\$49,100.00
Section 10	2013-2015	1460C	Adaptation Insight	Facilitate Climate Change Workshop	\$3,500.00
Section 10	2013-2015	1460D	Southwest Ecology, LLC	Joshua Tree Habitat Model	\$14,200.00
Section 10	2013-2015	1460E	University of Nevada Reno	Species Distribution Modeling, Phase II	\$115,720.00
Section 10	2015-2017	1510A	City of Boulder City	BCCE Law Enforcement	\$217,460.00
Section 10	2015-2017	1515A	Southern Nevada Conservancy	Mojave Max Education Program	\$180,500.00
Section 10	2015-2017	1515AA	Muller Construction	Repair Hole from Camera Removal	\$600.00
Section 10	2015-2017	1515AB	Paper Zombies	Gfx Design for MoMax Brochure (w/916)	\$35.65
Section 10	2015-2017	1515AC	Outside Las Vegas Foundation	Mojave Max Education Program (w/1715)	\$28,297.23
Section 10	2015-2017	1515Y	Robertson + Partners	Mojave Max Assembly Power-Point Presentation	\$6,250.00
Section 10	2015-2017	1520B	National Park Service (NPS)	Muddy River Weed Management	\$108,000.00
Section 10	2015-2017	1520J	L.J. McCormick Enterprises Inc	Riparian Property Maintenance	\$36,200.00
Section 10	2015-2017	1520M	Eagle View Contractors, Inc.	Riparian Rsv Units Prop Maint (w/1445)	\$22,134.64
Section 10	2015-2017	1520N	Pictographics	Muddy River Reserve Unit Gate Signs	\$55.00
Section 10	2015-2017	1520P	Eagle View Contractors, Inc.	MR Vegetation Clearing (w/805 & 1720)	\$10,116.43
Section 10	2015-2017	1525A	Muller Construction	Energy Zone Fencing	\$238,698.37

Funding Source	Biennium Funded	Project #	Contractor	Project Title	Contract Award Amount
Section 10	2015-2017	1525B	HRA, Inc.	Tule Springs Cultural Resource Survey	\$11,556.25
Section 10	2015-2017	1535A	SWCA Environmental Consultants	Federally Listed Bird Surveys	\$30,382.00
Section 10	2015-2017	1535B	SWCA Environmental Consultants	Point Count Surveys on Riparian Properties	\$18,186.00
Section 10	2015-2017	1535C	SWCA Environmental Consultants	Avian Surveys on Riparian Props (w/1730)	\$4,299.00
Section 10	2015-2017	1540C	Great Basin Institute	Desert Tortoise Range-Wide Mon (w/1541B)	\$55,214.26
Section 10	2015-2017	1540D	Great Basin Institute	BCCE DT Telemetry and Health Assessments	\$22,833.00
Section 10	2015-2017	1545A	Great Basin Institute	DT Telemetry on the BCCE (Yr 2 & 3)	\$341,652.47
Section 10	2015-2017	1545B	Great Basin Institute	BCCE DT Telemetry and Health Assessments	\$8,347.53
Section 10	2015-2017	1550A	University of Nevada (UNLV)	Relict Leopard Frog Conserv Plan and Implementation	\$184,050.00
Section 10	2017-2019	1700A	Jackson Media Works	2015-2017 BPR Editing and Printing	\$3,150.00
Section 10	2017-2019	1700B	Staples	Office Supplies - Admin FY18	\$5,000.00
Section 10	2017-2019	1700C	Cintas First Aid & Safety	First Aid & Safety Supplies FY18	\$200.00
Section 10	2017-2019	1700D	Logo Apparel	Uniform Apparel - FY18	\$600.00
Section 10	2017-2019	1700E	Opportunity Village	Document Shredding and Container FY18	\$150.00
Section 10	2017-2019	1700F	Red Wing Shoes of America	Lot 4 - Safety Shoes for Staff FY18	\$550.00
Section 10	2017-2019	1700G	Haworth, Inc	Acquisition of DCP Storage Cabinets	\$1,623.76
Section 10	2017-2019	1700H	Faciliteq	Design Option Drawings	\$275.00
Section 10	2017-2019	1700J	Dell Marketing LP	Closed Acquisition of Computers	\$12,585.73
Section 10	2017-2019	1700K	Staples	Office Supplies - Admin FY19	\$5,000.00
Section 10	2017-2019	1700L	Cintas First Aid & Safety	First Aid & Safety Supplies FY19	\$200.00
Section 10	2017-2019	1700M	Logo Apparel	Uniform Apparel FY19	\$600.00
Section 10	2017-2019	1700N	Opportunity Village	Document Shredding and Container FY19	\$150.00
Section 10	2017-2019	1700P	Red Wing Shoes of America	Lot 4 -Safety Shoes for Staff FY19	\$550.00
Section 10	2017-2019	1700Q	Dell Marketing LP	Acquisition of Replacement Laptop	\$1,192.97
Section 10	2017-2019	1700R	Monsen Engineering	Acquisition of Plotter	\$5,253.00
Section 10	2017-2019	1710A	Boulder City Conservation Easement Law Enforcement	Law Enforcement for the BCCE	\$250,016.29
Section 10	2017-2019	1710B	National Park Service (NPS)	BCCE Weed Survey	\$61,000.00
Section 10	2017-2019	1710C	Turf Tech, Inc.	BCCE Maintenance	\$45,000.00
Section 10	2017-2019	1715A	Outside Las Vegas Foundation	Mojave Max Education Program	\$203,500.00
Section 10	2017-2019	1715B	Skyhigh Marketing	Acquisition of Lip Moisturizer Balls	\$710.00
Section 10	2017-2019	1715C	Skyhigh Marketing	Acquisition of Ear Buds	\$1,025.00
Section 10	2017-2019	1715D	Skyhigh Marketing	Acquisition of Tortoise Paper Clips	\$1,550.00
Section 10	2017-2019	1715E	Morgan Specialties, Inc.	Acquisition of Plastic Conference Bags	\$375.63

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Funding Source	Biennium Funded	Project #	Contractor	Project Title	Contract Award Amount
Section 10	2017-2019	1715F	Logo Apparel	Acquisition of Beeswax Lip Balm	\$586.00
Section 10	2017-2019	1715G	Logo Apparel	Acquisition of Fidget Spinners	\$895.00
Section 10	2017-2019	1715H	Bluetrack, Inc	Acquisition of DT Stress Balls	\$1,250.00
Section 10	2017-2019	1715J	AB UnLimited Worldwide	Acquisition of Learn to the Max Patches	\$855.00
Section 10	2017-2019	1715K	AB UnLimited Worldwide	Acquisition of flower Highlighters	\$1,490.00
Section 10	2017-2019	1715L	AB UnLimited Worldwide	Acquisition of Learn to the Max Tote Bags	\$600.00
Section 10	2017-2019	1715M	AB UnLimited Worldwide	Acquisition of Learn to the Max Crayon Sets	\$875.00
Section 10	2017-2019	1715N	Acorn Naturalists	Educational Classroom Resources	\$714.89
Section 10	2017-2019	1715P	Logo Apparel	Acquisition of DCP Pens	\$820.00
Section 10	2017-2019	1715Q	My Promos & Apparel	Acquisition of Natural Beeswax Lip Balm	\$486.20
Section 10	2017-2019	1715R	Skyhigh Marketing	Acquisition of Mojave Max Sunglasses	\$1,238.00
Section 10	2017-2019	1715S	MYS Project and Brand Management	Graphics Design for DCP Pamphlets	\$1,625.00
Section 10	2017-2019	1715T	Bluetrack, Inc	Acquisition of Mo Max Stress Balls	\$6,505.00
Section 10	2017-2019	1715U	Paper Zombies	DCP Graphics Design	\$75.00
Section 10	2017-2019	1720A	National Park Service (NPS)	Virgin River Weed Management	\$143,000.00
Section 10	2017-2019	1720C	SWCA Environmental Consultants	Mormon Mesa Restoration Monitoring	\$383.73
Section 10	2017-2019	1720D	Eagle View Contractors, Inc.	MR Vegetation Clearing (w/1520P & 805AF)	\$187.28
Section 10	2017-2019	1730A	Alta Sciences & Engineering, Inc.	Science Advisor Panel for the DCP	\$486,074.90
Section 10	2017-2019	1730B	Southern NV Water Authority (SNWA)	VR and MR Property LiDAR Acquisition	\$83,524.63
Section 10	2017-2019	1730C	SWCA Environmental Consultants	Desert Upland Baseline Bird Surveys	\$19,989.00
Section 10	2017-2019	1730D	Newfields	Desert Upland Baseline Sm Mammal Surveys	\$24,650.00
Section 10	2017-2019	1730E	SWCA Environmental Consultants	Avian Surveys on Riparian Props (w/1535)	\$50,620.00
Section 10	2017-2019	1730G	Forestry Suppliers	Acquistion of Telescoping Poles	\$181.42
Section 10	2017-2019	1730H	Wildlife Acoustics, Inc.	Acquisition of Acoustic Analysis Software	\$798.00
Section 10	2017-2019	1730J	US Geological Survey	Effects of Exotic Forage on Mojave DT	\$49,881.49
Section 10	2017-2019	1730K	SWCA Environmental Consultants	Avian Species Surveys	\$100,084.00
Section 10	2017-2019	1730M	BEC Environmental, Inc.	Desert Upland Small Mammal Surveys II	\$49,910.00
Section 10	2017-2019	1740A	Great Basin Institute	DT Telemetry on the BCCE (Yr4)	\$181,722.45
Section 10	2017-2019	1740B	Great Basin Institute	BCCE DT Telemetry and Health Assessments	\$8,675.36
Section 10	2017-2019	1750A	SWCA Environmental Consultants	Virgin River Drone Imagery	\$7,573.00
Section 10	2017-2019	1770A	Robertson + Partners	DCP Branding Project	\$400,000.00
Section 10	2017-2019	1770B	Earthcam, Inc.	Removal of Mojave Max Camera	\$875.00
Section 10	2017-2019	1770C	Brian Small Photo	Avian Species Photographs	\$3,000.00

Funding Source	Biennium Funded	Project #	Contractor	Project Title	Contract Award Amount
Section 10	2017-2019	1770D	A1 Trophies & Awards	Acq of MoMax Contest Winner Trophies	\$963.75
Section 10	2017-2019	1770E	Paper Zombies	Artwork to Revise Mojave Max Collateral	\$225.00
Section 10	2017-2019	1770F	Robertson + Partners	MoMax Website Hosting and Support	\$3,660.00
Section 10	2017-2019	1770G	Abbott Trophies, LLC	Acquisition of Learn to the Max Name Badges	\$29.00
Section 10	2017-2019	1770H	Robertson + Partners	Advertising for Desert Tortoise License Plate	\$25,000.00
Section 10	2017-2019	1770J	Logo Apparel	Acquisition of Neck Buffs	\$1,740.00
Section 10	2017-2019	1770K	AB UnLimited Worldwide	Acquisition of Mood Rulers	\$1,290.00
Section 10	2017-2019	1770L	AB UnLimited Worldwide	Acquisition of Journals with Pens	\$990.00
Section 10	2017-2019	1770M	Skyhigh Marketing	Acquisition of Mojave Max Slide Puzzle	\$420.00
Section 10	2017-2019	1770N	Paper Zombies	Graphics Design for MM Emergence Tees	\$262.50
Section 10	2017-2019	1770P	Skyhigh Marketing	Acquisition of Lip Balm Balls	\$628.00
Section 10	2017-2019	1770Q	Logo Apparel	Acquisition of Table Throw	\$120.00
Section 10	2017-2019	1775A	MXT Media	OHV Marketing	\$100,000.00
Section 10	2017-2019	1785A	Brainlike, Inc.	Eval Drone-Based Auto DT Detectability	\$49,999.00
Section 10	2017-2019	1785B	Brainlike, Inc.	Viable Process for Surveying DT using Drones	\$5,001.00
Section 10	2017-2019	1787A	Oquendo Center	Pet Desert Tortoise Sterilizaton Workshop	\$24,999.85
Section 10	2017-2019	1790A	Las Vegas Valley Water District	LV Bearpoppy Fencing, Ramada & Trail	\$94,810.00
Section 10	2017-2019	1792A	Titely Scientific, LLC	Acquisition of Bat Detectors	\$5,955.00
Section 10	2017-2019	1792B	Forestry Suppliers	Acquisition of Bat Monitoring Equipment	\$220.21
Section 10	2017-2019	1792C	Nevada Department of Minerals	Gold Butte AML Closures	\$193,824.79
Section 10	2017-2019	1795A	US Geological Survey	Desert Tortoise Predator-Prey Dynamics	\$576,503.40
SNPLMA	Round 8	1012D	Knight & Leavitt Associates	Desert Tortoise Occupancy Sampling Crews II	\$440,000.00
SNPLMA	Round 14	1446C	Fred Phillips Consulting, LLC	Muddy River Restoration Plan	\$23,999.75
SNPLMA	Round 14	1446D	National Park Service (NPS)	Muddy River Habitat Restoration	\$65,836.00
SNPLMA	Round 15	1521B	SWCA Environmental Consultants	VR Rest Plan -Morman Mesa Ph 1	\$7,588.00
SNPLMA	Round 15	1521C	Great Basin Institute	Mormon Mesa Restoration Services	\$23,984.88
SNPLMA	Round 15	1521D	Helena Chemical Company	Herbicide Acquisition for Mormon Mesa Restoration	\$9,517.00
SNPLMA	Round 15	1521E	Nevada Division of Forestry	Virgin River Riparian Restoration	\$80,000.00
SNPLMA	Round 15	1521F	Helena Chemical Company	Herbicide Acquisition	\$9,397.00
SNPLMA	Round 15	1541A	US Fish & Wildlife Service	DT Monitoring Data Management Year 2-5	\$153,361.00
SNPLMA	Round 15	1541B	Great Basin Institute	Desert Tortoise Range-Wide Monitoring	\$924,012.00
SNPLMA	Round 15	1580A	University of Nevada Reno	Desert Tortoise Connectivity Modeling	\$94,799.99



CLARK COUNTY DEPARTMENT OF AIR QUALITY DESERT CONSERVATION PROGRAM

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STREAMLINING development, protecting species, & preserving OUR FUTURE.

