

2023-2025

BIENNIAL PROGRESS REPORT



togetherforbetter



desert conservation
PROGRAM

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REPORT INTRODUCTION



INTRODUCTION

As required in Section 2.12.2.7 of the Clark County Multiple Species Habitat Conservation Plan (MSHCP), this document represents the composite Biennium Progress Report for July 1, 2023, through June 30, 2025. The report is prepared every two years to document the projects, activities, accomplishments, revenues, and expenditures associated with implementation of the MSHCP during the biennium.

The report summarizes progress made by program staff, partner agencies, and contractors in implementing approved conservation projects. It also provides data on land disturbance activities and related mitigation revenues, along with a financial accounting of funds collected and expended in support of the plan.

DESERT CONSERVATION PROGRAM HISTORY

The Clark County Desert Conservation Program (DCP) was established in 1989 following the listing of the desert tortoise (*Gopherus agassizii*) as a threatened species under the federal Endangered Species Act (ESA). The listing stemmed from impacts such as illegal collection, habitat loss, disease, and urban expansion across the Mojave Desert.

The DCP administers the Clark County MSHCP and associated Section 10(a)(1)(B) incidental take permit (Permit), issued by the U.S. Fish and Wildlife Service (USFWS) in 2001. The Permit allows for the incidental “take” of listed species resulting from otherwise lawful development activities while ensuring mitigation and recovery measures are implemented. The Permit covers Clark County and its permittees, which include the Cities of Boulder City, Henderson, Las Vegas, Mesquite, and North Las Vegas, and the Nevada Department of Transportation (NDOT), and authorizes disturbance of up to 145,000 acres of non-federal land within the county.

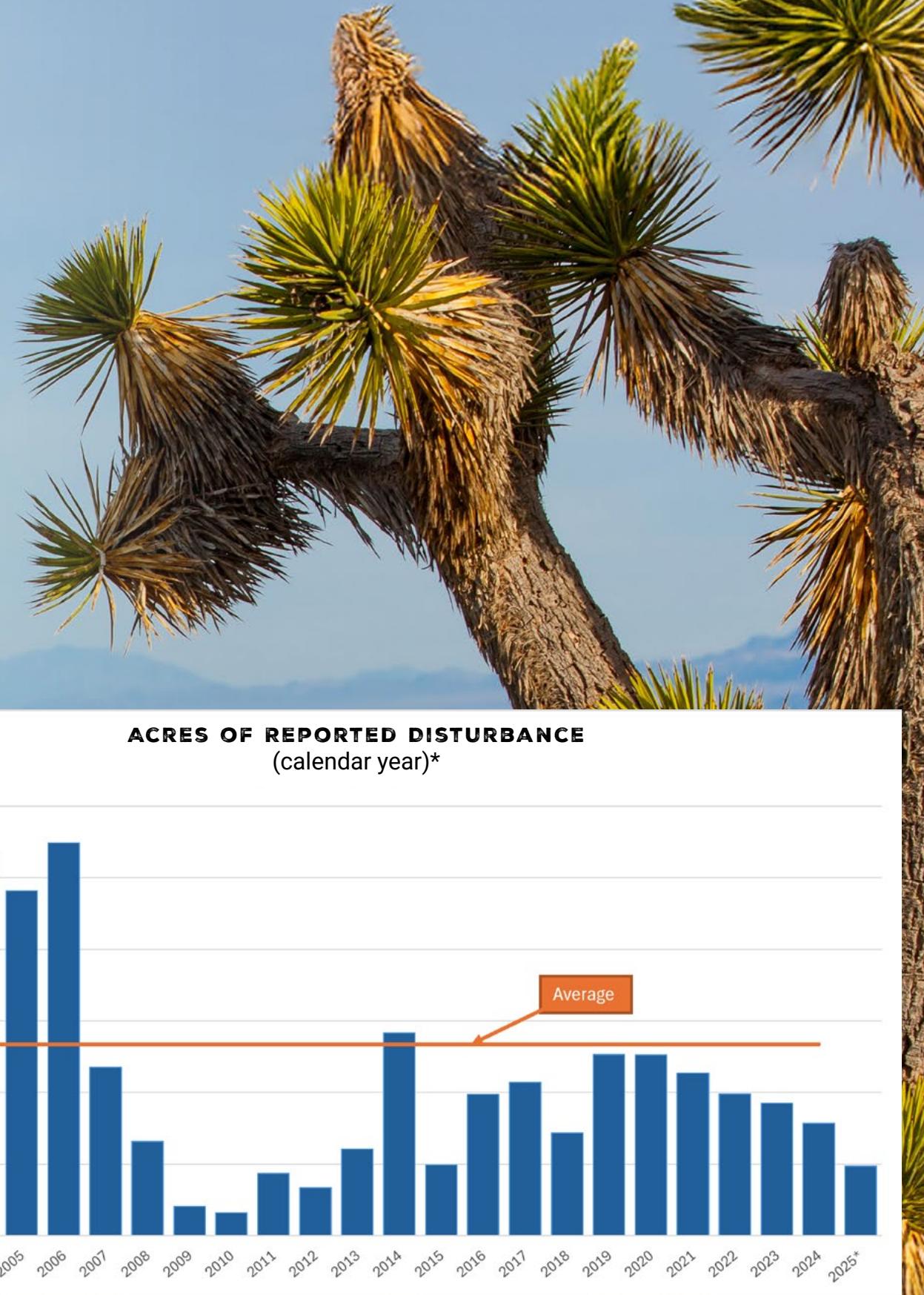
In return, the Permittees commit to funding and implementing conservation actions to mitigate potential impacts and support the recovery of 78 Covered Species, including the federally threatened desert tortoise and yellow-billed cuckoo, and the federally endangered southwestern willow flycatcher and Mount Charleston blue butterfly. Clark County serves as the Plan Administrator for the MSHCP. The Permit is valid for 30 years from the date of approval.

LAND DISTURBANCE AND REVENUES GENERATED

Clark County collects and expends mitigation fees to fund conservation actions as required under the MSHCP and the incidental take permit. These funds, along with revenue from federal land sales authorized by the Southern Nevada Public Land Management Act (SNPLMA), support a wide range of conservation and research projects across Clark County.

Each Permittee tracks land disturbance and associated mitigation fees through monthly Disturbance and Fee Reports (per MSHCP Section 2.12.2.2). These reports are compiled by Clark County to monitor cumulative development and ensure accurate revenue tracking.

During the 2023–2025 biennium, a total of 6,781.33 acres of disturbance were reported. The DCP collected \$3,729,731.50 in Section 10 fees, along with \$5,787,562.33 from grants, interest, and other sources. Detailed financial information is provided in the Financial Reports section of this document.



PROJECTS AND EXPENDITURES

During the 2023–2025 biennium, the DCP:

- Managed 54 internal program budgets (“master projects”);
- Administered 84 agreements or contracts with partner agencies and contractors; and
- Issued 46 purchase orders with various vendors in support of master projects.

Each project report in this document provides a summary of activities completed during the biennium, including project purpose, status, partners, funding awarded, and contract term. Projects spanning multiple biennia are included when work or expenditures occurred between July 1, 2023, and June 30, 2025.

PROJECT REPORTING PROCESS

All funded agencies and contractors were required to submit quarterly progress reports and a final project report to the DCP. These reports are archived and available on the DCP website: <https://www.clarkcountynv.gov/dcp>.

USES FOR THIS REPORT

This Biennium Progress Report fulfills MSHCP Section 2.12.1 requirements (“Progress Report Implementation Plan and Budget”) and reaffirms Clark County’s ongoing commitment to effective, transparent, and science-based implementation of the MSHCP. The report benchmarks the program’s accomplishments, documents expenditures, and supports planning for future conservation priorities.

Upon completion, this report will be presented to the Clark County Board of Commissioners and submitted to the USFWS in compliance with permit requirements.

For additional information about the Clark County DCP, contact:

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ORGANIZATION OF THIS REPORT

To improve readability and emphasize program accomplishments, the format of this report has evolved over time.

The 2023–2025 Biennium Progress Report is organized into seven primary sections, each designed to present information clearly and efficiently.

Section 1 - Introduction

Provides regulatory context and background information, including the purpose of the report, the history of the DCP, and the requirements of the Clark County MSHCP and associated incidental take permit.

Section 2 - Master List of Projects

Presents a comprehensive list of all projects with financial activity during the reporting period (July 1, 2023 – June 30, 2025).



In the spreadsheet, line items highlighted represent budget accounts. Budget account are projects that are identified in a DCP Implementation Plan and Budget report. Budget accounts are not confined to a single biennium—unexpended funds may carry forward into the next biennium to ensure project continuity. The “Funding Source” column identifies the biennium in which each budget account was originally funded. Each budget account may consist of several contract projects implemented by partner agencies, consultants, or contractors to achieve the broader goals and objectives of the project as described in the Implementation and Budget Report.

The “Report Reference” column provides a quick cross-reference indicating where each project’s accomplishments are discussed within the major programmatic areas of the DCP. A full list of these programmatic areas and their corresponding projects is provided in Section 3 - Project Reports.

Section 3 - Project Reports

Project summaries are organized by the DCP’s seven major programmatic areas of focus:

1. Program Administration and Permit Compliance (Prog Admin)
 - Prog Admin Project 1: MSHCP Administration
 - Prog Admin Project 2: Permit Amendment – Application
 - Prog Admin Project 3: Permit Amendment – Covered Species Data and Mapping
2. Boulder City Conservation Easement (BCCE)
 - BCCE Project 1: BCCE Management
3. Riparian Reserves (Riparian)
 - Riparian Project 1: Riparian Reserve Units Management
 - Riparian Project 2: Property Acquisition
 - Riparian Project 3: Riparian Reserves Restoration
 - Riparian Project 4: Water Rights Management
4. Public Information, Education, and Outreach (PIE)
 - PIE Project 1: Mojave Max Education Program
 - PIE Project 2: General Outreach
5. Wild Desert Tortoise Assistance (Wild DT)
 - Wild DT Project 1: Translocation
 - Wild DT Project 2: Desert Tortoise Fencing
 - Wild DT Project 3: Desert Tortoise Habitat Restoration
6. Conservation Projects (Cons)
 - Cons Project 1: Improving Restoration Outcomes
 - Cons Project 2: NDF Permit Compliance
 - Cons Project 3: Niles Herbarium
7. Adaptive Management Program (AMP)
 - AMP Project 1: Adaptive Management Program
 - AMP Project 2: Species and Habitat Monitoring

Section 4 – Tortoise Disposition Summary

Summarizes data from the Wild Desert Tortoise Assistance Line, including the number of tortoises collected during the biennium and their final disposition.

Section 5 – Financial Report

Provides detailed financial information, including:

- Total revenues collected from mitigation fees and other sources.
- Expenditures by programmatic area.
- Graphs summarizing biennium spending.

Section 6 – Land Disturbance Reports

Presents the total acres of land disturbance reported by Permittees during the 2023–2025 biennium, as well as a cumulative summary of all disturbance reported since the MSHCP’s inception in 2001.

Section 7 – Project Index Tables

Reorganizes the Master List of Projects (Section 2) in two formats for quick reference:

- Sorted by Funding Source, and
- Sorted by Lead Agency or Contractor.

These tables serve as an at-a-glance summary of all projects implemented during the biennium.

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MASTER LIST OF PROJECTS

Project Number	Contract Title	Contractor	Contract Start Date	Contract End Date	Total Contract Amount	Funding Source	Budget Account Amount	Project ID
803	DT Hotline and Pick-Up Service	DCP Budget Account			\$10 09-11	\$595,000		
803F	DT Health Assess and Pickup Svc Support	Ecocentric, LLC	01/02/2019	12/31/2023	\$99,390	S10 09-11		Wild DT Project 1
917	Riparian Property Acquisition 11-13	DCP Budget Account				S10 11-13	\$3,200,000	
917B	Cedar Development Ct Land Acquisition (35.92 Acres)		07/01/2014	06/30/2024	\$0	S10 11-13		Riparian Project 2
917S	Chain of Title	Fidelity National Title	08/07/2023	06/30/2024	\$1,500	S10 11-13		Riparian Project 2
1735	Current Status and Conservation Knowledge Reports for State-listed Plants	DCP Budget Account				S10 17-19	\$60,000	
1735A	CSCK Reports for State-Listed Plants	Ironwood Consulting, Inc.	12/2/2024	6/30/2026	\$45,180	S10 17-19		Cons Project 2
1741	Desert Tortoise Translocation - SNPLMA	DCP Budget Account				SNPLMA R17	\$442,071	
1741A	Eldorado Valley Post Translocation Surveys	Great Basin Institute	11/01/2022	11/30/2024	\$405,565	SNPLMA R17		Wild DT Project 1
1750	Riparian Reserve Units Restoration	DCP Budget Account				S10 17-19	\$378,156	
1750D	Archeological Resource Eval on Rip Rsv Parcels	SWCA Environmental Consultants	9/15/2020	8/31/2025	\$50,000	S10 17-19		Riparian Project 3
1760	Evaluating Desert Tortoise Habitat Restoration - SNPLMA	DCP Budget Account				SNPLMA R17	\$350,000	
1760C	Reevaluating Desert Upland Habitat Restoration	University of Nevada LV (UNLV) -School of Life Sci	01/03/2023	06/10/2025	\$273,000	SNPLMA R17		Cons Project 1
1770	To the Max Campaign	DCP Budget Account				S10 17-19	\$600,000	
1770T	Mojave Max Mascot Appearances	Las Vegas Character Parties	03/01/2024	04/30/2025	\$20,000	S10 17-19		PIE Project 1
1770U	Portable Rental for BCCE Clean Up	United Site Services	04/16/2024	06/30/2024	\$435	S10 17-19		PIE Project 2
1782								
1782C	Model Updates 2023	University of Nevada Reno (UNR)	05/02/2023	09/30/2024	\$79,128	SNPLMA R17		Prog Admin Project 3

Project Number	Contract Title	Contractor	Contract Start Date	Contract End Date	Total Contract Amount	Funding Source	Budget Account Amount	Project ID
1910	Riparian Properties Baseline Management	DCP Budget Account					\$10 19-21	\$453,920
1910C	Riparian Reserves Vegetation Management	National Park Service (NPS)	4/6/2021	7/15/2025	\$216,653	S10 19-21		Riparian Project 1
1910E	Riparian Reserves Maintenance	Eagle View Contractors, Inc.	09/01/2022	04/30/2024	\$100,000	S10 19-21		Riparian Project 1
1910F	Water Rights Consulting	Facque Consulting LLC	2/15/2023	9/30/2025	\$25,212	S10 19-21		Riparian Project 4
1910G	Acquisition of Gates	IFA Las Vegas Country Store	12/11/2024	06/30/2025	\$565	S10 19-21		Riparian Project 1
1915	Public Information, Education and Outreach	DCP Budget Account					\$10 19-21	\$375,165
1915H	Mojave Max Education Program (w1715)	Get Outdoors Nevada (OLVF)	09/01/2022	08/31/2023	\$97,650	S10 19-21		PIE Project 1
1920	Adaptive Management Program	DCP Budget Account					\$10 19-21	\$1,070,000
1920A	Science Advisor Panel	Alta Sciences & Engineering, Inc.	02/01/2020	02/20/2024	\$1,101,236	S10 19-21		AMP Project 1
1920B	DT Occupancy on the BCCE	Bio Logical, LLC	02/01/2020	02/20/2024	\$191,693	S10 19-21		AMP Project 2
1920H	Bat Recording Analysis (w2020)	SWCA Environmental	09/28/2023	06/30/2024	\$17,725	S10 19-21		AMP Project 2
1935	Riparian Reserve Units Restoration	DCP Budget Account					\$10 19-21	\$336,000
1935A	Parasitism Control and Eval (w/1750&1935)	SWCA Environmental Consultants	4/17/2023	12/31/2025	\$281,065	S10 19-21		AMP Project 2
1940	To the Max Campaign	DCP Budget Account					\$10 19-21	\$433,755
1940B	Mojave Max Education Program (w1770)	Get Outdoors Nevada (OLVF)	10/30/2023	08/31/2025	\$0	S10 19-21		PIE Project 1
1940C	OHV Outreach (w807 & 1915)	MXT Media	08/24/2023	06/30/2024	\$5,000	S10 19-21		PIE Project 2
1940D	Promotional Materials for DCP Programs	4AllPromos	08/29/2023	06/30/2024	\$9,645	S10 19-21		PIE Project 2
1940E	Logo Hats & Shirts for Outreach Team	Logo Apparel	09/28/2023	06/30/2024	\$450	S10 19-21		PIE Project 2

Project Number	Contract Title	Contractor	Contract Start Date	Contract End Date	Total Contract Amount	Funding Source	Budget Account Amount	Project ID
1940F	Acquisition of Promotional Materials	4AllPromos	02/05/2024	06/30/2024	\$2,350	S10 19-21		PIE Project 2
1940H	Acquisition of DT Stress Balls	Bluetrack, Inc	08/27/2024	06/30/2025	\$11,125	S10 19-21		PIE Project 1
1940J	Portable Restroom for BCCE Cleanup	United Site Services	09/30/2024	06/30/2025	\$435	S10 19-21		PIE Project 2
1940L	Acquisition of 3D Printed Techno-Tort Specimens	OrniLogic	12/26/2024	06/30/2025	\$3,864	S10 19-21		PIE Project 1
1940M	Mojave Max Mascot Appearances 2025-2026	Las Vegas Character Parties	03/31/2025	04/30/2026	\$25,000	S10 19-21		PIE Project 1
1940N	Mojave Max Program Giveaways	Inspire By Design	05/20/2025	06/30/2025	\$5,848	S10 19-21		PIE Project 1
1940P	Mojave Max Program Giveaways	Skyhigh Marketing	05/20/2025	06/30/2025	\$4,238	S10 19-21		PIE Project 1
1942	Rare Plant Survey	DCP Budget			S10 19-21	\$250,000		
1942A	Rare Plant and Milkweed Surveys	Ironwood Consulting, Inc.	03/10/2023	12/31/2023	\$250,000	S10 19-21		Prog Admin Project 3
1945	Education for Construction Personnel	DCP Budget Account			S10 19-21	\$62,500		
1945B	Promotional Materials for DCP/Mo Max Programs	4AllPromos	05/06/2024	06/30/2024	\$1,171	S10 19-21		PIE Project 1
1965	Baseline Vegetation Map	DCP Budget Account			S10 19-21	\$400,000		
1965A	Vegetation Map for Clark County (w/1460G)	Cogan Technology Inc	07/01/2020	05/31/2024	\$400,000	S10 19-21		Prog Admin Project 3
1970	Permit Amendment Support	DCP Budget Account			S10 19-21	\$313,575		
1970B	HCP Consultant for the MSHCP Amendment (w2315D)	WRA Environmental Consultants	8/19/2021	12/31/2026	\$199,408	S10 19-21		Prog Admin Project 2
1970C	Legal Services for DCP (w/2315)	Ebbin Moser & Skaggs, LLP	3/7/2022	12/31/2026	\$47,632	S10 19-21		Prog Admin Project 2

Project Number	Contract Title	Contractor	Contract Start Date	Contract End Date	Total Contract Amount	Funding Source	Budget Account Amount	Project ID
1975	Tule Springs Fossil Beds National Monument Boundary Fence Phase III	DCP Budget Account				S10 19-21	\$306,020	
1975A	Tule Springs Monument Fence (w/804, 1525, 1725, 1780)	JNJ Engineering Construction Inc	04/01/2021	10/30/2023	\$306,020	S10 19-21		Wild DT Project 2
1990	Protected Plant Species Propagation Research	DCP Budget Account				S10 19-21	\$137,943	
1990A	Rare Plant Propagation Research (w/809)	US Geological Survey (USGS) - Western Eco	03/01/2020	12/16/2023	\$137,943	S10 19-21		Cons Project 1
1995	Brome Reduction & Native Plant Establishment at Trout Canyon & Stump Springs	DCP Budget Account				S10 19-21	\$22,300	
1995A	Brome Reduction Study	Utah State University	11/14/2023	11/25/2025	\$21,612	S10 19-21		Cons Project 1
2005	MANAGEMENT OF THE BCCE	DCP Budget Account					\$327,000	
2005C	BCCE Law Enforcement	Boulder City Conservation Easement Law Enforcement	11/2/2021	8/30/2026	\$118,529	S10 21-23		BCCE Project 1
2005D	BCCE Weed Management	National Park Service (NPS)	12/21/2021	12/31/2025	\$132,000	S10 21-23		BCCE Project 1
2005E	BCCE Maintenance	Gothic Landscape, Inc	02/01/2022	08/31/2023	\$50,000	S10 21-23		BCCE Project 1
2005H	Reserves Maint. Materials & Tools FY24	American Express	07/01/2023	06/30/2024	\$2,170	S10 21-23		BCCE Project 1
2005J	BCCE Trail Signage	Berntsen International, Inc	03/08/2024	06/30/2024	\$870	S10 21-23		BCCE Project 1
2005K	Reserves Maint. Materials & Tools FY25	American Express	07/30/2024	06/30/2025	\$2,400	S10 21-23		BCCE Project 1
2005L	Acquisition of BCCE Maintenance Supplies	Grainger	09/16/2024	06/30/2025	\$598	S10 21-23		BCCE Project 1

Project Number	Contract Title	Contractor	Contract Start Date	Contract End Date	Total Contract Amount	Funding Source	Budget Account Amount	Project ID
2005M	Acquisition of Updated GPS trackers for BCED	WirelessLinks	10/21/2024	06/30/2025	\$3,059	S10 21-23		BCCE Project 1
2005N	BCCE Maintenance Supplies	Grainger	12/10/2024	06/30/2025	\$437	S10 21-23		BCCE Project 1
2010	MANAGEMENT OF RIPARIAN RESERVES AND WATER RIGHTS	DCP Budget Account					\$453,920	
2010B	Riparian Reserves Unit Maintenance	Eagle View Contractors, Inc.	04/23/2024	12/31/2025	\$100,000	S10 21-23		Riparian Project 1
2010C	Well Maintenance	Whitney's Water Systems, Inc	04/26/2024	06/30/2024	\$89	S10 21-23		Riparian Project 1
2020	ADAPTIVE MANAGEMENT PROGRAM	DCP Budget Account					\$1,150,025	
2020D	Desert Tortoise Occupancy (w/2325C)	Bio Logical, LLC	02/01/2022	01/31/2025	\$484,835	S10 21-23		AMP Project 2
2020E	Avian Surveys	SWCA Environmental	12/19/2021	12/28/2023	\$211,242	S10 21-23		AMP Project 2
2020L	Assessment, Inventory, and Monitoring on the BCCE	Great Basin Institute	03/01/2024	09/05/2027	\$52,800	S10 21-23		AMP Project 2
2020M	Bat Detector Servicing	Titley Scientific, LLC	02/07/2024	06/30/2024	\$560	S10 21-23		AMP Project 2
2020N	Data Management for Range-wide Monitoring	US Fish & Wildlife Service (USFWS) - Las Vegas	05/03/2024	09/30/2026	\$51,517	S10 21-23		AMP Project 2
2030	TRANSLOCATION SUPPORT	DCP Budget Account					\$277,647	
2030A	BCCE DT Telemetry & Health Assess (w/1740C & 1930B)	Great Basin Institute	11/15/2021	12/28/2023	\$251,562	S10 21-23		Wild DT Project 1
2042	ROAD WARRIORS - LICENSE PLATE	DCP Budget Account					\$70,000	
2042A	Road Warriors DT Mortality & Fence Survey	Tortoise Group	02/14/2022	01/12/2024	\$70,000	S10 21-23		Wild DT Project 2
2045	PREDATOR-PREY DYNAMICS, PHASE III	DCP Budget Account					\$769,842	
2045A	Predator - Prey Dynamics Phase 2 w/2392A	US Geological Survey (USGS) - Western Eco	10/18/2022	12/31/2025	\$769,842	S10 21-23		Wild DT Project 1

Project Number	Contract Title	Contractor	Contract Start Date	Contract End Date	Total Contract Amount	Funding Source	Budget Account Amount	Project ID
2047	RAINBOW GARDENS CONSERVATION - SNPLMA	DCP Budget Account					\$3,878,000	
2047A	LV Bearpoppy Rest Research at Rainbow Gardens	Desert Research Institute	06/17/2025	04/30/2027	\$243,606	SNPLMA R18		Cons Project 1
2050	RIPARIAN RESTORATION	DCP Budget Account					\$354,500	
2050A	Restoration Consultation Services (w1935)	Natural Channel Design Engineering Inc	08/07/2023	12/31/2025	\$27,749	S10 21-23		Riparian Project 3
2050B	Acquisition of Herbivore Deterrent	Helena Chemical Company	02/20/2024	06/30/2024	\$565	S10 21-23		Cons Project 1
2050C	Evaluation of Herbivore Deterrent	EcoCulture	3/1/2024	12/31/2025	\$154,800	S10 21-23		Cons Project 1
2050D	Riparian Reserve Unit Fasteners	Grainger	03/26/2024	06/30/2024	\$59	S10 21-23		Riparian Project 1
2050E	Acquisition of Herbivore Deterrent	Helena Chemical Company	04/18/2024	06/30/2024	\$1,695	S10 21-23		Cons Project 1
2050F	Acquisition of Camera Supplies	CDW Government, Inc	04/23/2024	06/30/2024	\$182	S10 21-23		Cons Project 1
2050G	Acquisition of Herbivore Deterrent	Helena Chemical Company	8/5/2024	6/30/2025	\$616	S10 21-23		Cons Project 1
2050G	Acquisition of Camera Supplies	B & H Photo	10/03/2024	06/30/2025	\$135	S10 21-23		Cons Project 1
2050H	Acquisition of Camera Supplies	B & H Photo	11/20/2024	06/30/2025	\$1,019	S10 21-23		Cons Project 1
2050J	Thermal Refugia Restoration	EcoCulture	3/17/2025	8/30/2025	\$22,000	S10 21-23		Cons Project 1
2050L	Herbivore Deterrent Supplies	Grainger	03/27/2025	06/30/2025	\$167	S10 21-23		Cons Project 1
2057	PIUTE-ELDORADO RESTORATION - SNPLMA	DCP Budget Account					\$3,663,000	
2057A	Piute Eldorado Restoration Planning	SWCA Environmental	3/1/2024	11/30/2025	\$126,185	SNPLMA R18		Wild DT Project 3
2070	INVESTIGATE SCREWBEAN MESQUITE DIE-OFF	DCP Budget Account					\$125,000	
2070A	Evaluation of Screwbean Mesquite Ecosystem	EcoCulture	5/10/2023	11/30/2025	\$100,000	S10 21-23		Cons Project 1

Project Number	Contract Title	Contractor	Contract Start Date	Contract End Date	Total Contract Amount	Funding Source	Budget Account Amount	Project ID
2075	RARE PLANT PROPAGATION, PHASE II	DCP Budget Account			\$628,573			
2075A	Rare Plant Propagation Research Phase II	US Geological Survey (USGS) - Western Eco	1/17/2023	6/30/2027	\$628,573	S10 21-23		Cons Project 1
2080	BLUE DIAMOND CHOLLA SURVEYS	DCP Budget Account					\$360,000	
2080A	Blue Diamond Cholla Surveys	Ironwood Consulting, Inc.	08/01/2022	04/30/2024	\$360,000	S10 21-23		Prog Admin Project 3
2085	SURVEYS FOR GYPSUM ENDEMICS	DCP Budget Account					\$100,000	
2085A	Mojave Poppy Bee Surveys	US Dept of Agriculture (USDA) -Agri Rsrch	03/01/2022	04/30/2024	\$100,000	S10 21-23		Prog Admin Project 3
2090	NILES HERBARIUM DATA	DCP Budget Account					\$60,000	
2090A	Niles Herbarium Data	Nevada Division of Natural	09/06/2022	06/30/2024	\$60,000	S10 21-23		Cons Project 3
2092	VEGETATION MAP UPDATE, PHASE II	DCP Budget Account					\$606,304	
2092A	Vegetation Map for CC (w/1965A)	Cogan Technology Inc	07/08/2020	05/31/2024	\$393,984	S10 21-23		Prog Admin Project 3
2095	PERMIT AMENDMENT SUPPORT	DCP Budget Account					\$300,000	
2095C	Bat Surveys	SWCA Environmental Consultants	04/07/2022	07/13/2023	\$91,162	S10 21-23		Prog Admin Project 3
2095D	Pocket Mouse Landscape Genomics	BEC Environmental, Inc.	07/18/2022	10/20/2023	\$22,670	S10 21-23		Prog Admin Project 3
2095E	Funding Analysis of the MSHCP Amend (w1460 & 2315)	Economic & Planning Systems, Inc.	09/19/2022	10/15/2024	\$139,000	S10 21-23		Prog Admin Project 2
2095F	NCL-Annual Home Means Nevada Dinner	Nevada Conservation League	09/23/2024	06/30/2025	\$1,500	S10 21-23		PIE Project 2

Project Number	Contract Title	Contractor	Contract Start Date	Contract End Date	Total Contract Amount	Funding Source	Budget Account Amount	Project ID
2300	MSHCP Administration 2023-25	DCP Budget Account				S10 23-25	\$4,787,558	
2300A	Uniform Apparel FY24	Inspire By Design	07/01/2023	06/30/2024	\$600	S10 23-25		Prog Admin Project 1
2300B	Document Shredding & Container FY24	Opportunity Village	07/01/2023	06/30/2024	\$500	S10 23-25		Prog Admin Project 1
2300C	Lot 4 -Safety Shoes for Staff FY24	Red Wing Shoe Store	07/01/2023	06/30/2024	\$550	S10 23-25		Prog Admin Project 1
2300D	Office Supplies FY24	Staples	07/01/2023	06/30/2024	\$5,000	S10 23-25		Prog Admin Project 1
2300E	Acquisition of Laptops	Dell Marketing LP	07/01/2023	06/30/2024	\$4,092	S10 23-25		Prog Admin Project 1
2300F	MSHCP Construction Management Services	Diversified Consulting Services Inc	07/18/2023		\$250,000	S10 23-25		Prog Admin Project 1
2300G	2021-2023 BPR Graphic Design and Editing	MYs Project and Brand Management	10/02/2023	06/30/2024	\$5,975	S10 23-25		Prog Admin Project 1
2300H	Acquisition of Satellite GPS	Forestry Suppliers	02/07/2024	06/30/2024	\$623	S10 23-25		Prog Admin Project 1
2300J	Online Training Course	MANAGEMENT CONCEPTS INC	02/20/2024	06/30/2024	\$3,577	S10 23-25		Prog Admin Project 1
2300K	Safety Shoes for Staff FY25	SHOES FOR CREWS LLC	07/01/2024	12/20/2024	\$675	S10 23-25		Prog Admin Project 1
2300L	Uniform Apparel FY25	Inspire By Design	07/01/2024	06/30/2025	\$600	S10 23-25		Prog Admin Project 1
2300M	Document Shredding & Container FY25	Opportunity Village	07/01/2024	06/30/2025	\$1,250	S10 23-25		Prog Admin Project 1
2300N	Office Supplies FY25	Staples	07/01/2024	06/30/2025	\$5,000	S10 23-25		Prog Admin Project 1

Project Number	Contract Title	Contractor	Contract Start Date	Contract End Date	Total Contract Amount	Funding Source	Budget Account Amount	Project ID
2300P	Online Training Course	MANAGEMENT CONCEPTS INC	07/01/2024	06/30/2025	\$1,599	S10 23-25		Prog Admin Project 1
2300Q	Case 360 Workshop	Precision Business Technologies, Inc.	12/04/2024	06/30/2025	\$10,000	S10 23-25		Prog Admin Project 1
2300R	Acquisition of Laptop TRP	Dell Marketing LP	03/27/2025	06/30/2025	\$3,774	S10 23-25		Prog Admin Project 1
2305	MANAGEMENT OF THE BCCE	DCP Budget Account				S10 23-25	\$378,678	
2305A	BCCE Law Enforcement	Boulder City Conservation Easement Law Enforcement	07/18/2023	08/30/2026	\$242,897	S10 23-25		BCCE Project 1
2305B	BCCE Maintenance	Gothic Landscape, Inc	08/06/2024	06/30/2025	\$85,000	S10 23-25		BCCE Project 1
2315	PERMIT AMENDMENT SUPPORT	DCP Budget Account				S10 23-25	\$847,802	
2315A	Bat Surveys - Renewal Option	SWCA Environmental Consultants	07/18/2023	12/30/2024	\$96,018	S10 23-25		Prog Admin Project 3
2315E	Public Outreach and Stakeholder Engagement	Southwest Decisions Resources, Inc	11/01/2024	05/01/2025	\$45,609	S10 23-25		Prog Admin Project 2
2315F	Analysis of Bat Acoustic Data for the MSHCP Amend V2	SWCA Environmental Consultants	10/24/2024	10/01/2025	\$22,247	S10 23-25		Prog Admin Project 3
2315G	Covered Species Model Updates 2024	University of Nevada Reno (UNR)	1/21/2025	12/15/2025	\$156,806	S10 23-25		Prog Admin Project 3
2315H	Assessing Gila Monster Genetic Diversity (w/1997D & 2350B)	US Geological Survey (USGS) - Western Eco Rsrch Ctr	05/07/2025	12/15/2026	\$12,500	S10 23-25		Prog Admin Project 3
2315J	Facilitation for AMM Work Group (w2095)	Southwest Decisions Resources, Inc	5/8/2025	12/31/2025	\$34,980	S10 23-25		Prog Admin Project 2

Project Number	Contract Title	Contractor	Contract Start Date	Contract End Date	Total Contract Amount	Funding Source	Budget Account Amount	Project ID
2320	ADAPTIVE MANAGEMENT PROGRAM	DCP Budget Account				S10 23-25	\$637,958	
2320A	Science Advisor Panel	Alta Sciences & Engineering, Inc.	04/01/2024	01/31/2026	\$532,958	S10 23-25		AMP Project 1
2320B	Eastern Mojave Conservation Collaborative Facilitation III	Southwest Decisions Resources, Inc	01/30/2024	09/30/2024	\$5,000	S10 23-25		AMP Project 1
2325	RANGE-WIDE DESERT TORTOISE MONITORING SUPPORT	DCP Budget Account				S10 23-25	\$1,355,301	
2325A	Range Wide Monitoring	Great Basin Institute	4/24/2024	12/31/2025	\$748,415	S10 23-25		AMP Project 2
2325B	Avian Surveys - AMP Monitoring 2024-2027	SWCA Environmental Consultants	12/27/2023	12/31/2025	\$224,861	S10 23-25		AMP Project 2
2325D	Occupancy and Drone surveys on the BCCE	Bio Logical, LLC	2/1/2025	12/31/2029	\$156,290	S10 23-25		AMP Project 2
2325E	Acquisition of Avian Acoustic Recorders	Wildlife Acoustics, Inc.	01/28/2025	06/30/2025	\$6,452	S10 23-25		AMP Project 2
2325F	Acquisition of SD Memory Cards	CDW Government, Inc	02/21/2025	06/30/2025	\$1,011	S10 23-25		AMP Project 2
2325G	Acquisition of Raven Pro Software License	Cornell Laboratory of	05/15/2025	06/30/2025	\$100	S10 23-25		AMP Project 2
2330	TRANSLOCATION SUPPORT	DCP Budget Account				S10 23-25	\$327,800	
2330A	BCCE Post-Translocation Telemetry (w2030 & 2020)	Great Basin Institute	04/01/2024	12/31/2025	\$283,415	S10 23-25		Wild DT Project 1
2330B	DT Health Assessment and Care (w803)	Ecocentric, LLC	5/7/2024	12/31/2026	\$44,355	S10 23-25		Wild DT Project 1
2335	ROAD WARRIORS - LICENSE PLATE	DCP Budget Account				S10 23-25	\$80,000	
2335A	Road Warriors 2024-2025	Tortoise Group	03/11/2024		\$80,000	S10 23-25		Wild DT Project 2

Project Number	Contract Title	Contractor	Contract Start Date	Contract End Date	Total Contract Amount	Funding Source	Budget Account Amount	Project ID
2340	POCKET MOUSE CONNECTIVITY ASSESSMENT	DCP Budget Account			\$10 23-25	\$300,000		
2340A	Desert Pocket Mouse Threats Assessment & Population Monitoring	BEC Environmental, Inc.	03/15/2024	06/30/2026	\$237,122	\$10 23-25		Prog Admin Project 3
2340B	Pocket Mouse Conservation Physiology	University of Nevada LV (UNLV) -School of Life Sci	11/5/2024	2/20/2026	\$62,721	\$10 23-25		Prog Admin Project 3
2345	ARIZONA TOAD DISTRIBUTION STUDIES	DCP Budget Account			\$10 23-25	\$264,044		
2345A	Distribution and Threats to the AZ Toad in CC	US Geological Survey (USGS) - Western Eco	4/2/2024	3/15/2026	\$310,121	\$10 23-25		Prog Admin Project 3
2350	GILA MONSTER GENETIC SAMPLING	DCP Budget Account			\$10 23-25	\$97,099		
2350A	Gila Monster Genetic Sampling	Austin Peay State University	2/24/2025	3/1/2026	\$85,000	\$10 23-25		Prog Admin Project 3
2360	WEB ACCESSIBLE DATA PORTAL	DCP Budget Account			\$10 23-25	\$60,000		
2360A	Web Accessible Data Portal Phase 1	VMSI, Inc.	03/21/2024	10/31/2024	\$5,500	\$10 23-25		Prog Admin Project 3
2362	BCCE PREDATOR MANAGEMENT	DCP Budget Account			\$10 23-25	\$265,000		
2362A	Subsidized Predator Management at the BCCE	Hardshell Labs Inc	03/01/2024	02/15/2025	\$148,862	\$10 23-25		BCCE Project 1
2362B	Subsidized Raven Management at the BCCE	OrniLogic	3/17/2025	9/15/2026	\$116,138	\$10 23-25		BCCE Project 1
2380	GYPSUM ENDEMICS SURVEYS	DCP Budget Account			\$10 23-25	\$390,209		
2380A	Edaphic Components of LV Bearpoppy Habitat	Southern Utah University - Dept of Geosciences	11/21/2023	12/31/2025	\$241,300	\$10 23-25		Cons Project 1

Project Number	Contract Title	Contractor	Contract Start Date	Contract End Date	Total Contract Amount	Funding Source	Budget Account Amount	Project ID
2382	RESTORATION MATERIALS AND TECHNIQUES	DCP Budget Account			\$10 23-25	\$312,754		
2382A	Development of Resilient Plant Materials for Desert Restoration	US Geological Survey (USGS) - Western Eco Rsrch Ctr	1/1/2025	3/1/2027	\$312,754	\$10 23-25		Cons Project 1
2385	THREECORNER MILKVETCH GERMINATION STUDIES	DCP Budget Account			\$10 23-25	\$346,956		
2385A	Seed Ecology of Threecorner Milkvetch	US Geological Survey (USGS) - Western Eco	02/06/2024	12/21/2028	\$346,956	\$10 23-25		Cons Project 1
2387	WESLEY E. NILES HERBARIUM RELOCATION	DCP Budget Account			\$10 23-25	\$26,130		
2387A	Relocation of the Wesley E. Niles Herbarium	College of Southern Nevada	5/21/2024	11/30/2025	\$26,130	\$10 23-25		Cons Project 3
2390	DRONE OCCUPANCY SAMPLING COMPARISON	DCP Budget Account			\$10 23-25	\$95,000		
2390A	Drone Survey Analysis	Resi Solutions LLC	03/01/2024	11/15/2024	\$23,836	\$10 23-25		AMP Project 2
2390B	DT Occupancy on the BCCE	Bio Logical, LLC	03/14/2024	06/30/2025	\$46,580	\$10 23-25		AMP Project 2
2390C	Drone Survey Analysis 2025	Resi Solutions LLC	3/15/2025	11/15/2025	\$20,000	\$10 23-25		AMP Project 2
2395	BCCE AUTOGENIC RESTORATION	DCP Budget Account			\$10 23-25	\$270,000		
2395A	Autogenic Restoration at the BCCE	University of Nevada LV (UNLV) -School of Life Sci	3/19/2024	10/31/2026	\$270,000	\$10 23-25		Cons Project 1

3 PROJECT REPORTS



ADMINISTRATION

The DCP serves as the Plan Administrator for the MSHCP, acting on behalf of Clark County and its partner Permittees (the cities of Las Vegas, Henderson, North Las Vegas, Boulder City, Mesquite, and NDOT). Under this role, DCP ensures compliance with the federal Endangered Species Act via the Section 10(a)(1)(B) incidental take permit, which allows for certain “incidental take” of protected species associated with lawful development, provided stringent mitigation, monitoring, and conservation commitments are met.

Through effective administration, the MSHCP provides a streamlined regional permitting process that supports responsible economic development while conserving habitat for 78 plant and animal species across Clark County. This coordinated approach eliminates the need for individual project consultations with federal agencies, saving time and resources for developers and property owners.

Program administration includes overseeing mitigation fee collection and accounting, permit compliance and reporting, and implementation of conservation actions such as habitat restoration, research, and species monitoring. The DCP also manages large conservation lands that offset impacts from development and provide lasting ecological benefits for Covered Species.

In addition, the DCP is actively working toward an amendment to the MSHCP. The amended plan will update the list of Covered Species, refine conservation strategies, and ensure that Clark County can continue to provide a predictable, science-based permitting process that balances growth and environmental stewardship well into the future.

By maintaining sound fiscal management, adaptive conservation strategies, and transparent public reporting, the DCP ensures the continued success of the MSHCP and the protection of southern Nevada’s unique desert ecosystems.



PROGRAM AREA

PROJECT

DCP PROJECT CONTACT

Program Administration

MSHCP Administration

Kimberley Goodwin

Principal Environmental Specialist

702.455.5529

Kimberley.Goodwin@ClarkCountyNV.gov

BACKGROUND AND NEED FOR PROJECT

This project supports the day-to-day administration and operation of the DCP, which is responsible for implementing the Clark County MSHCP and ensuring compliance with the associated Section 10(a)(1)(B) Incidental Take Permit issued by the USFWS. Core administrative functions include staffing necessary to carry out mitigation measures, overseeing and implementing projects funded through SNPLMA, and managing internal service charges and operational expenses essential to the program's function.

The administration of the MSHCP is conducted on behalf of the permittees, which include the cities of Las Vegas, North Las Vegas, Henderson, Mesquite, and Boulder City, as well as NDOT. Effective administration ensures that the program meets regulatory obligations, supports regional development in a manner consistent with species and habitat conservation goals, and maintains transparency and accountability in the use of public resources. Ongoing investment in administrative capacity is critical to maintaining program continuity, supporting interagency coordination, and ensuring the long-term success of conservation efforts across Clark County.

IN-HOUSE WORK, NO CONTRACT

ACCOMPLISHMENTS:

- Processed and managed \$3,729,731.50 in mitigation fees for 6,781.33 acres of land disturbance in the 2023-2025 biennium.
- Completed the 2021-2023 Biennium Progress Report.
- Completed the 2025-2027 Implementation Plan and Budget.
- Hosted the 2023 and 2024 Annual Project Progress Symposium.
- Prepared and submitted fiscal year budgets to the Clark County Budget Office.
- Continued to administer the Desert Tortoise specialty license plate; production is ongoing and plates are being distributed at Department of Motor Vehicle offices across the state.
- 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 2025 state legislative session for potential impacts to the program; worked to with State Legislature to pass amendments to Nevada Revised Statutes 244 and 268, which will allow for periodic adjustments to the mitigation fees.
- Provided data, maps, and documents to interested parties and regulatory agencies as requested.
- Coordinated with renewable energy interests across the County.

SUMMARY OF PROJECT/CONTRACT MANAGEMENT STATISTICS:

- Provided administration, project/contract management, and implementation for 79 Section 10-funded contracts and five SNPLMA -funded contracts.
- Administered 46 purchase orders for goods and services.
- Provided administration, project/contract management, and implementation for 6 SNPLMA projects; three Round 17 projects, two Round 18 projects, and two Round 19 projects.
- Received 567 invoices, rejected 50 invoices for corrective action, and processed 499 invoices.
- Received and reviewed 687 deliverables from contract projects, tracked 47 delinquent deliverables, accepted 591 deliverables, and rejected 22 deliverables for corrective action.
- Confirmed 513 contract milestones.

CONTRACT 1

Contract Title:
MSHCP Construction
Management Services

Accomplishments:
• Provided construction management and contracting support for DCP projects.

Contract Number:
2300F

Vendor:
Diversified Consulting
Services Inc

Contract Status:
In progress

Contract Term:
8/22/2023 – 6/30/2027

Contract Amount:
\$250,000.00

Funding Source:
S10 23-25

Associated Purchase Orders				
PO Number	Vendor	PO Title	PO Amount	Funding Source
2300A	Inspire By Design	Uniform Apparel FY24	\$600.00	S10 23-25
2300B	Opportunity Village	Document Shredding & Container FY24	\$500.00	S10 23-25
2300C	Red Wing Shoe Store	Lot 4 -Safety Shoes for Staff FY24	\$550.00	S10 23-25
2300D	Staples	Office Supplies FY24	\$5,000.00	S10 23-25
2300E	Dell Marketing LP	Acquisition of Laptops	\$4,092.00	S10 23-25
2300G	MYS Project and Brand Management	2021-2023 BPR Graphic Design and Editing	\$5,975.00	S10 23-25
2300H	Forestry Suppliers	Acquisition of Satellite GPS	\$622.84	S10 23-25
2300J	MANAGEMENT CONCEPTS INC	Online Training Course	\$3,577.00	S10 23-25
2300K	SHOES FOR CREWS LLC	Safety Shoes for Staff FY25	\$675.00	S10 23-25
2300L	Inspire By Design	Uniform Apparel FY25	\$600.00	S10 23-25
2300M	Opportunity Village	Document Shredding & Container FY25	\$1,250.00	S10 23-25
2300N	Staples	Office Supplies FY25	\$5,000.00	S10 23-25
2300P	MANAGEMENT CONCEPTS INC	Online Training Course	\$1,599.00	S10 23-25
2300Q	Precision Business Technologies, Inc.	Case 360 Workshop	\$10,000.00	S10 23-25
2300R	Dell Marketing LP	Acquisition of Laptop TRP	\$3,774.00	S10 23-25



IMPLEMENTATION PLAN AND BUDGET

2025-2027

Final – February 2025



2025-2027 Implementation Plan and Budget Report



Contract 2092A Vegetation map for Clark County Accuracy assessment point 57 facing Southeast.

Credit: Cogan Technologies Inc.

PROGRAM AREA

Program Administration

PROJECT

Permit Amendment - Application

DCP PROJECT CONTACT

Kimberley Goodwin
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702.455.5529
Kimberley.Goodwin@ClarkCountyNV.gov

BACKGROUND AND NEED FOR PROJECT

This project supports the development and submission of a proposed amendment to the Clark County MSHCP. The amendment process is a comprehensive effort led by the DCP to update and strengthen the plan to reflect current scientific knowledge, regulatory expectations, and conservation priorities. Key components of this effort include revising the list of covered species, developing an updated conservation strategy, and designing new or refined avoidance, minimization, and mitigation measures to address emerging threats and land use needs.

In addition, the project involves the development of a new implementation structure that ensures long-term plan effectiveness, accountability, and adaptability. To support this work, the DCP is conducting technical studies, stakeholder outreach, and facilitation activities to ensure the revised MSHCP is scientifically sound, legally defensible, and publicly supported. The project also provides for the engagement of outside legal counsel to assist in drafting the revised plan and negotiating permit terms with the USFWS and other regulatory agencies.

Amending the MSHCP is a critical step toward maintaining regulatory coverage for development activities in Clark County while advancing regional conservation goals. This effort ensures continued compliance with the Endangered Species Act and supports a balanced approach to growth and environmental stewardship across southern Nevada.

IN-HOUSE WORK, NO CONTRACT**ACCOMPLISHMENTS**

Continued to provide staff support for the development of a proposed federal lands bill that would achieve a variety of economic diversification and conservation goals for the County.

CONTRACT 1

Contract Title:
HCP Consultant for the
MSHCP Amendment

Contract Number:
1970B (1014K, 1460H,
2315D)

Vendor:
WRA Environmental
Consultants

Contract Status:
In progress

Contract Term:
8/19/2021 – 12/31/2026

Contract Amount:
\$500,000.00

Funding Source:
S10 19-21

Accomplishments:

- A near complete draft of a revised MSHCP was developed, and multiple rounds of revisions to initial draft chapters have been undertaken as updated information has been received.
- Conducted monthly project progress calls with Clark County and USFWS to provide status updates and discuss deliverables and overall MSHCP strategy.
- Completed a compiled and organized Administrative Record for all WRA tasks and meetings with USFWS using EndNote.
- Completed draft chapters and multiple revisions and completed appendices including the Riparian Restoration Crediting Methodology and Seed Collection Protocol.
- Draft chapter revisions completed during the 2023-2025 reporting period include Chapters 2, 4, 5, 6.0-6.4, 7, 8, and 9.
- Completed an alternative strategies analysis to describe avenues for applicants to obtain take coverage under the Federal Endangered Species Act (ESA) if the Southern Nevada Economic Development and Conservation Act (SNEDCA) does not advance in the federal legislature.
- Reviewed and explained inputs and weighting for habitat species models that are used in the impacts chapter to analyze habitat quality.
- Participated in quarterly meetings with BLM, USFWS and Clark County on the Conservation Strategy, Cooperative Management Agreement (CMA) and other areas of coordination for the MSHCP Amendment. WRA prepared agendas and meeting summaries.
- Presented findings and progress to representatives of the DCP and invited guests at the 2024 Annual Project Progress Symposium.

CONTRACT 2

Contract Title:
Legal Services for DCP

Contract Number:
1970C (2315B)

Vendor:
Ebbin Moser & Skaggs, LLP

Contract Status:
In progress

Contract Term:
3/7/2022 – 12/31/2026

Contract Amount:
\$147,631.56

Funding Source:
S10 19-21

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:
Funding Analysis of the
MSHCP Amend

Contract Number:
2095E (1460J)
Vendor: Economic &
Planning Systems, Inc.

Vendor:
Economic & Planning
Systems, Inc.

Contract Status:
Completed

Contract Term:
9/19/2022 – 10/15/2024

Contract Amount:
\$144,000.00

Unspent Funds:
\$10,000.00

Funding Source:
S10 21-23

Accomplishments:

- Produced a Funding Strategies Review report using six habitat conservation plans as case studies to compare funding approaches.
- Conducted a thorough review of the draft chapters of the MSHCP Amendment, identifying conservation actions which would generate costs to the Permittees.
- Assembled and categorized these conservation actions according to cost category.
- Established cost estimates for each conservation action in coordination with DCP staff, to promote accuracy.
- Calculated required post-permit endowment necessary to fund ongoing costs in perpetuity.
- Conducted an analysis of development potential for Clark County to calculate a fee and estimate annual revenue.
- Produced a Draft Funding Analysis Report for DCP review.
- Produced a revised Funding Analysis Report responding to comments and adjustments provided by DCP staff.

CONTRACT 4

Contract Title:
Public Outreach and
Stakeholder Engagement

Contract Number:
2315E

Vendor:
Southwest Decision
Resources, Inc.

Contract Status:
Completed

Contract Term:
11/1/2024 – 5/1/2025

Contract Amount:
\$45,609.00

Unspent Funds:
\$14,527.31

Funding Source:
S10 23-25

Accomplishments:

- Designed and implemented a public outreach process to increase understanding of the proposed MSHCP Amendment and gather feedback.
- Conducted background interviews with 13 key stakeholders to identify important issues and areas of concern.
- Held two introductory information sessions to provide an orientation on the MSHCP, the amendment process, and key sections of the plan.
- Held six in-depth focus group sessions with technical and subject matter experts.
- Held two final information sessions to report on summary findings from the engagement process.
- Prepared a final report summarizing the public engagement process, feedback, and recommendations.

CONTRACT 5**Contract Title:**

Facilitation for AMM Work Group

Contract Number:

2315J (2095H)

Vendor:

Southwest Decisions Resources, Inc.

Contract Status:

In progress

Contract Term:

5/8/2025 – 12/31/2025

Contract Amount:

\$44,980.00

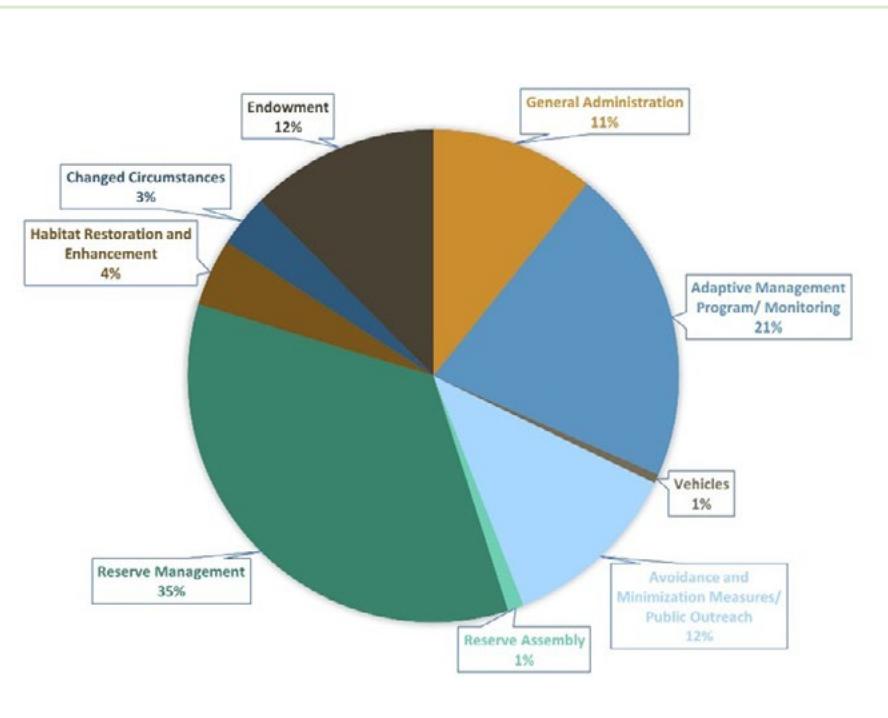
Funding Source:

S10 23-25

Accomplishments:

- Conducted weekly meetings with DCP staff.
- Conducted background interviews with nine key stakeholders.

Breakdown of implementation costs for the proposed MSHCP Amendment



Map showing the location of case study habitat conservation plans used in the Funding Strategies Review for the MSHCP Amendment

**PROGRAM AREA****PROJECT****DCP PROJECT CONTACT**

Program Administration

Permit Amendment – Covered Species Data and Mapping

Kimberley Goodwin
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Kimberley.Goodwin@ClarkCountyNV.gov

BACKGROUND AND NEED FOR PROJECT

The DCP is currently undertaking a major amendment to the Clark County MSHCP, which requires a comprehensive evaluation of potential impacts to proposed Covered Species. A critical component of this process is the collection of high-quality species occurrence and habitat data to support the development of spatially explicit, predictive habitat distribution models. These data-driven models will play a central role in assessing where species are likely to occur, how they may be affected by future land use activities, and what conservation actions are most appropriate. The collection of reliable, up-to-date data is essential to ensure that the conservation strategy developed under the MSHCP Amendment is both scientifically sound and legally defensible. Accurate spatial products will help identify areas of high conservation value, inform prioritization of habitat protection and restoration, and guide long-term adaptive management. Without this foundational data, the ability to develop an effective, landscape-scale conservation strategy that meets regulatory requirements and supports the persistence of sensitive species across southern Nevada would be significantly compromised.



Gila monster basking at the entrance of a refuge site (shelter); Clark County (May 2025).



Previously obtained Gila monster blood cards stored in the San Diego Field Station Genetics Laboratory.

CONTRACT 1

Contract Title:
Model Updates 2023

Contract Number:
1782C

Vendor:
University of Nevada
Reno (UNR)

Contract Status:
Completed

Contract Term:
5/2/2023 – 9/30/2024

Contract Amount:
\$79,128.00

Funding Source:
SNPLMA R17

Accomplishments:

- Developed 17 updated species models
- Compiled observations for the 17 species
- Produced a report detailing the methods and analysis of the models.

CONTRACT 3

Contract Title:
Rare Plant and Milkweed
Surveys

Contract Number:
1942A

Vendor:
Ironwood Consulting, Inc.

Contract Status:
Completed

Contract Term:
3/10/2023 – 12/31/2023

Contract Amount:
\$250,000.00

Funding Source:
S10 19-21

Accomplishments:

- Performed targeted surveys for rare plant species, covering approximately 12,500 acres throughout Clark County
- Documented 36 rare plant occurrence records
- Supplied data for ground truthing of habitat suitability models for ten target plant species
- Secured information about rare plant presence in areas at risk for development or disturbance by human activities
- Documented milkweed (*Asclepias spp.*) observations when encountered during surveys to inform planning for potential monarch butterfly conservation

CONTRACT 2

Contract Title:
Covered Species Model
Updates 2024

Contract Number:
2315G

Vendor:
University of Nevada
Reno (UNR)

Contract Status:
In progress

Contract Term:
1/21/2025 – 12/15/2025

Contract Amount:
\$156,806.00

Funding Source:
S10 23-25

Accomplishments:

- Compiled updated occurrence records for 21 species
- Completed drafts for 16 updated species models
- Completed drafts for 4 new species models
- Completed drafts of 3 new species accounts



White margined beardtongue
(*Penstemon albomarginatus*) at
the Jean Lake East survey site.
2019-IRONWOOD-1942A.

CONTRACT 4

Contract Title:
Blue Diamond Cholla
Surveys

Contract Number:
2080A

Vendor:
Ironwood Consulting, Inc.

Contract Status:
Completed

Contract Term:
8/1/2022 – 4/30/2024

Contract Amount:
\$360,000.00

Funding Source:
S10 21-23

Accomplishments:

- Used Blue Diamond cholla (*Cylindropuntia multigeniculata*) habitat suitability models to identify 17 areas to prioritize for targeted surveys
- Completed targeted surveys covering more than 67,000 acres of modeled habitat, over 5,000 of which were occupied by Blue Diamond cholla
- Documented five new occurrences
- Supplied data to strengthen habitat suitability models and expand known species occurrence range
- Documented three element occurrences for incidental encounters of the NDNH tracked plant halfring milkvetch (*Astragalus mohavensis* var. *hemigyrus*)



Blue Diamond cholla
(*Cylindropuntia
multigeniculata*) plant at the
Wamp Spring survey area.
2021-IRONWOOD-2080A.

CONTRACT 5

Contract Title:
Mojave Poppy Bee Surveys

Contract Number:
2085A

Vendor:
US Dept of Agriculture
(USDA) -Agri Rsrch Service

Contract Status:
Completed

Contract Term:
3/1/2022 – 4/30/2024

Contract Amount:
\$100,000.00

Funding Source:
S10 21-23

Accomplishments:

- Conducted surveys for Mojave poppy bee (*Perdita meconis*) and Las Vegas bearpoppy (*Arctomecon californica*) at 34 sites
- Completed identification of all captured bee specimens to Las Vegas bearpoppy plants
- Produced presence/absence data for Mojave poppy bee in Clark County
- Conducted statistical comparison of reproductive output at nice Las Vegas bearpoppy populations and correlational analyses with bee visitations

Accomplishments:

- Completed acoustic surveys at 30 sites. Both target species (Townsend's big-eared bat and spotted bat) were detected during acoustic surveys.
- Conducted internal roost surveys at 41 abandoned mine sites. Townsend's big-eared bats were detected at 26 sites.



Las Vegas bearpoppy (*Arctomecon californica*) in typical habitat. 2021-USDA_ARIS-2085A.

CONTRACT 7

Contract Title:
Bat Surveys - Renewal Option

Contract Number:
2315A

Vendor:
SWCA Environmental
Consultants

Contract Status:
Completed

Contract Term:
7/18/2023 – 12/30/2024

Contract Amount:
\$96,018.00

Funding Source:
S10 23-25

Accomplishments:

- Completed acoustic surveys at 30 sites. Both target species (Townsend's big-eared bat and spotted bat) were detected during acoustic surveys.
- Conducted internal roost surveys at 64 abandoned mine sites. Evidence of Townsend's big-eared bat day, night, maternity, and late-season roost use was documented at 33 survey locations.

CONTRACT 8

Contract Title:
Analysis of Bat Acoustic Data
for the MSHCP Amend

Contract Number:
2315F

Vendor:
SWCA Environmental
Consultants

Contract Status:
In progress

Contract Term:
10/24/2024 – 10/1/2025

Contract Amount:
\$24,985.00

Funding Source:
S10 23-25

Accomplishments:

- A total of 20 bat species were identified through analysis of acoustic survey data (18 species recorded in 2022 and 19 species recorded in 2024).
- Detected three species currently listed as covered under the current MSHCP: long-eared myotis (*Myotis evotis*), long-legged myotis (*Myotis volans*), and silver-haired bat (*Lasionycteris noctivagans*).
- Also detected two species of bat designated as covered under the proposed amendment to the MSHCP: spotted bat and Townsend's big-eared bat.



Twotone beardtongue (*Penstemon bicolor*) at the Highland Spring survey site. 2019-IRONWOOD-1942A.

CONTRACT 9

Contract Title:
Pocket Mouse Landscape
Genomics

Contract Number:
2095D

Vendor:
BEC Environmental, Inc.

Contract Status:
Completed

Contract Term:
7/18/2022 – 10/20/2023

Contract Amount:
\$22,670.00

Funding Source:
S10 21-23

Accomplishments:

- Processed and analyzed 114 datasets of DNA of desert pocket mouse (*Chaetodipus penicillatus*).
- Identified three genetically distinct, isolated clusters of *C. penicillatus* in Clark County.
- Provided comments on the taxonomic classification of the subspecies.
- Identified a series of threats to the long-term viability of the species for further evaluation.
- Presented findings at 2023 Project Progress Symposium August 23, 2023.

CONTRACT 10

Contract Title:
Desert Pocket Mouse Threats
Assessment & Population
Monitoring

Contract Number:
2340A

Vendor:
BEC Environmental, Inc.

Contract Status:
In progress

Contract Term:
3/15/2024 – 6/30/2026

Contract Amount:
\$237,122.00

Funding Source:
S10 23-25

Accomplishments:

- Developed the Population Monitoring Study Plan.
- Developed the Habitat Characterization Study Plan.
- Conducted field tests of the developed methodologies and field training.
- Established two long-term population monitoring plots within the Clark County Riparian Corridor along the Virgin and Muddy Rivers.
- Implemented the first year of the Population Monitoring Study.
- Conducted first trapping session for Fall/Winter of 2024.
- Established long term monitoring plot in an alternate Clark County parcel Study Location (Bunkerville West).
- Implemented the Habitat Characterization Study at the Study Locations.
- Implemented the second year of the Population Monitoring Study for Spring/Summer 2025.



Desert pocket mouse (*Chaetodipus penicillatus*) captured and released during surveys.

CONTRACT 11

Contract Title:
Pocket Mouse Conservation
Physiology

Contract Number:
2340B

Vendor:
University of Nevada LV (UNLV)
-School of Life Sci

Contract Status:
In progress

Contract Term:
11/5/2024 – 2/20/2026

Contract Amount:
\$62,721.00

Funding Source:
S10 23-25

Accomplishments:

- Completed data collection for required respirometry experiments.
- Analyzed respirometry data.
- Conducted data collection for additional individuals for respirometry to increase sample size and evaluate summer vs winter acclimation.
- Presented preliminary data at annual American Society of Mammalogists meeting.
- Conducted dehydration and temperature experiments for transcriptomic data collection on 13 out of 20 total individuals.

CONTRACT 12

Contract Title:
Gila Monster Genetic Sampling

Contract Number:
2350A

Vendor:
Austin Peay State University

Contract Status:
In progress

Contract Term:
2/24/2025 – 3/1/2026

Contract Amount:
\$85,000.00

Funding Source:
S10 23-25

Accomplishments:

- Collected data for field survey activities; completed more than 100 search transects across 10 sites.
- Collected blood samples from eight individual Gila monsters located during surveys. Blood samples will be transferred to collaborators at USGS Western Ecological Research Center for genetic analysis after the conclusion of field survey and sampling.
- Collated and verified search transect datasets. Location of each transect start and finish point was recorded with GPS; each transect survey was timed to estimate search intensity and Gila monster encounter rate.



Desert pocket mouse (*Chaetodipus penicillatus*) captured and released by project biologist during survey activities conducted in the 2024 Fall/Winter Trapping Session.



CONTRACT 13

Contract Title:

Assessing Gila Monster Genetic Diversity

Contract Number:

2315H (1997D, 2350B)

Vendor:

US Geological Survey (USGS)
-Western Eco Rsrch Ctr

Contract Status:

In progress

Contract Term:

5/7/2025 – 12/15/2026

Contract Amount:

\$67,500.00

Funding Source:

S10 23-25

Accomplishments:

- Held the kickoff meeting for this project, and awaiting sample delivery to begin genetic assessments.

CONTRACT 14

Contract Title:

Distribution and Threats to the AZ Toad in CC

Contract Number:

2345A

Vendor:

US Geological Survey (USGS)
-Western Eco Rsrch Ctr

Contract Status:

In progress

Contract Term:

4/2/2024 – 3/15/2026

Contract Amount:

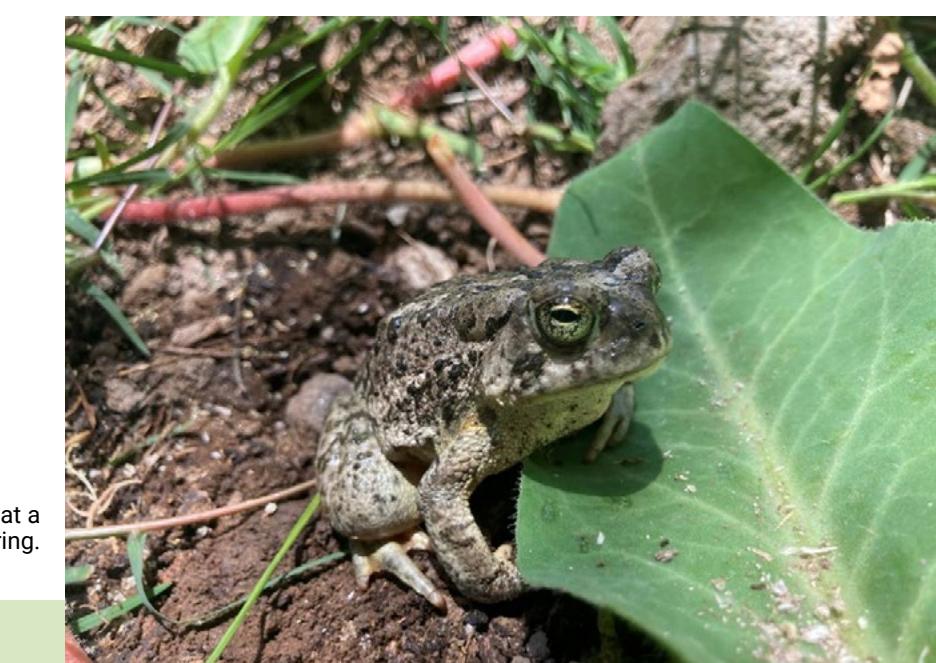
\$310,121.00

Funding Source:

S10 23-25

Accomplishments:

- 174 visual encounter surveys were conducted at 135 distinct sites which resulted in the detection of 7 different amphibian species across 90 of those sites.
- 10 Arizona toads were detected at sites in Lincoln County Nevada and Washington and Kane Counties Utah.
- 1 AZ toad was detected through eDNA at the Bunkerville east property within Clark County.
- 10 sites across the survey range had eDNA of Arizona toads
- Construction has begun on the Habitat suitability map for ArizonaZ toads and it will be updated with the 2025 data when available.



Desert pocket mouse (*Chaetodipus penicillatus*) weighed and recorded by project biologist during survey activities conducted in the 2025 Spring/Summer Trapping Session.

Arizona Toad located during a survey at a historically occupied spring.

CONTRACT 15

Contract Title:
Vegetation Map for Clark
County

Contract Number:
1965A (1460G)

Vendor:
Cogan Technology Inc

Contract Status:
Completed

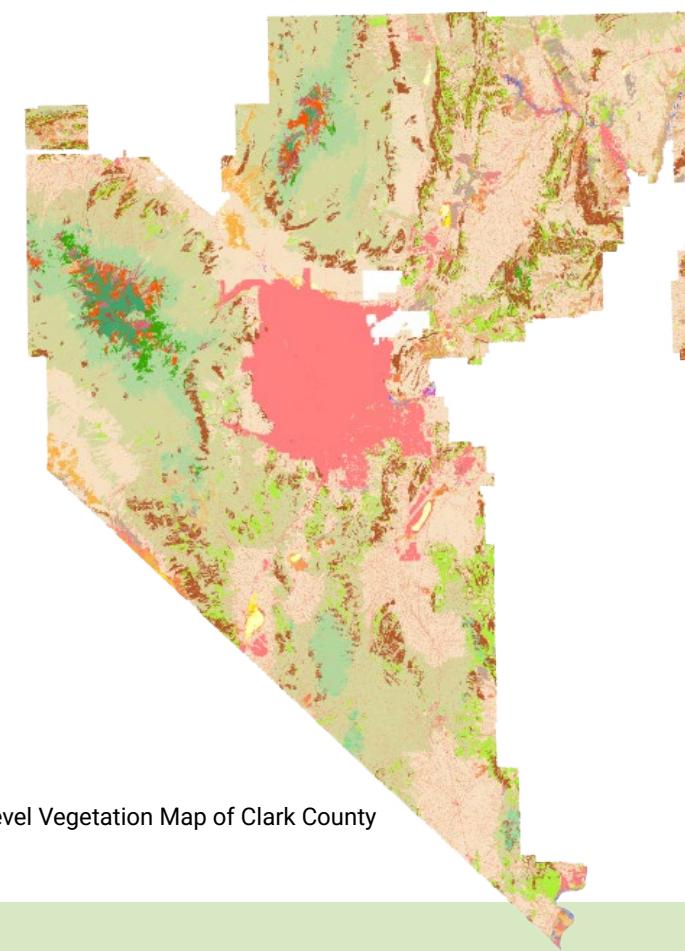
Contract Term:
4/1/2020 – 5/31/2024

Contract Amount:
\$499,238.26

Funding Source:
S10 19-21

Accomplishments:

- Completed Course Level Vegetation Mapping Product
- Completed course level taxonomic classification
- Created Accuracy Assessment plan



Coarse Level Vegetation Map of Clark County

CONTRACT 17

Contract Title:
Web Accessible Data Portal
Phase 1

Contract Number:
2360A

Vendor:
VMSI, Inc.

Contract Status:
Completed

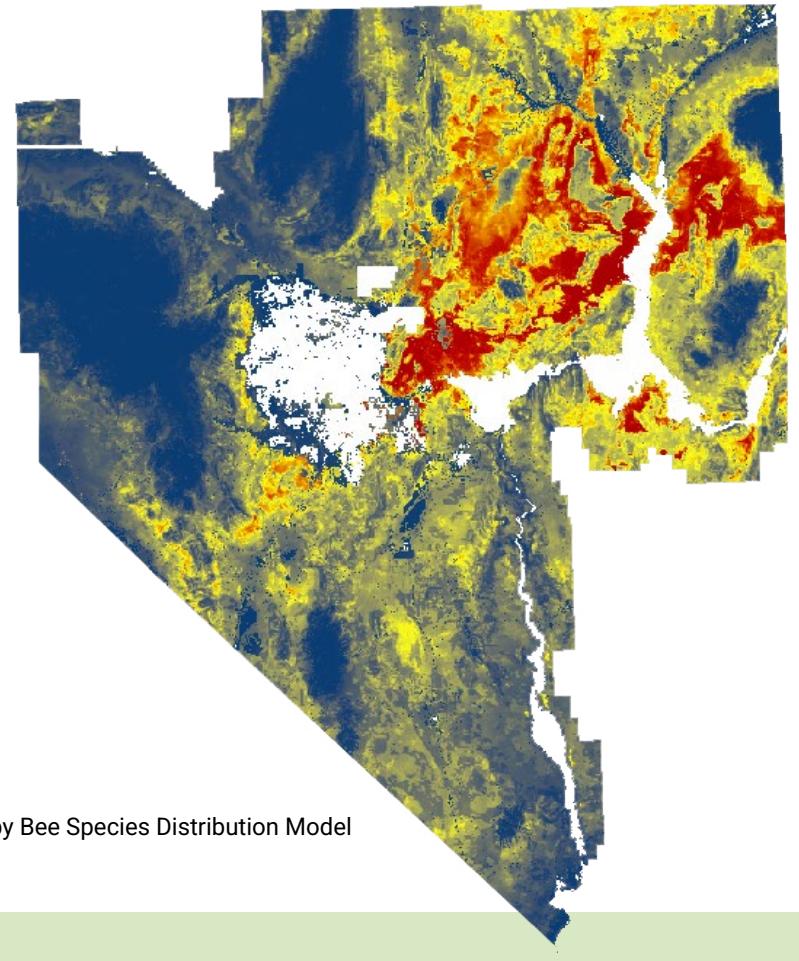
Contract Term:
3/21/2025 – 10/31/2024

Contract Amount:
\$5,500.00

Funding Source:
S10 23-25

Accomplishments:

- A work plan and scope of work was prepared
- Conducted meetings to determine requirements and needs for the data portal product.
- An initial cost estimate was created for the data portal.



Mojave Poppy Bee Species Distribution Model

BOULDER CITY CONSERVATION EASEMENT (BCCE)

The BCCE protects approximately 87,268 acres of Mojave Desert habitat in southern Clark County, Nevada, serving primarily to conserve desert tortoise populations and other native species. It functions as mitigation for development impacts under Clark County's MSHCP.

Established in 1995 via a 50-year conservation easement agreement between Boulder City and Clark County, the BCCE was modified in 2019 to slightly expand its boundaries (by about 2.2%) near the Sloan Canyon National Conservation Area and reallocate nearly 2,000 acres for solar energy development. As stipulated, Boulder City permits activities under local ordinances, while the DCP oversees habitat management within the easement. The BCCE's primary management goal is to maintain the site in a natural condition, preventing fragmentation or unmitigated habitat loss, consistent with objectives for Covered Species under the MSHCP. Within the BCCE, use is restricted to designated roads and trails only and off-highway vehicle travel is allowed only on approved routes, to minimize disturbance to wildlife and habitat.

Within the BCCE, visitors may encounter a variety of wildlife and plant species, including but not limited to:

- MSHCP Covered Species: desert tortoise, banded gecko, sidewinder, speckled rattlesnake, Mojave green rattlesnake, desert iguana, California kingsnake, large-spotted leopard lizard, Phainopepla, and Arizona Bell's vireo;
- MSHCP Evaluation & Watch-List Species: burrowing owl, Gila monster, loggerhead shrike, LeConte's thrasher, kit fox, ferruginous hawk, zebra-tailed lizard, barrel cactus, and rosy two-toned beardtongue.

The BCCE contains three primary upland vegetation or habitat types that are distributed depending on soil, topography, and moisture regime:

- Mojave Desert scrub: This is the dominant upland community. It typically consists of a mix of shrubs, perennial forbs, grasses, and succulents adapted to arid conditions.
- Mesquite / acacia: These occur likely in more localized areas where soil moisture is relatively higher (e.g. washes, drainages) or where deeper soils permit root penetration.
- Salt desert scrub: Found in more alkaline soils or where salts accumulate (e.g. low-lying flats). Plants adapted to saline conditions dominate here.

The DCP carries out projects in the BCCE area involving habitat restoration, desert tortoise population augmentation, weed control, species monitoring, predator-prey studies, and public education. The BCCE serves as a primary recipient site for desert tortoise population-augmentation translocations completed since 2014.

PROGRAM AREA
PROJECT
DCP PROJECT CONTACT

Boulder City Conservation Easement (BCCE)
BCCE Management
John Ellis
Environmental Specialist
702-455-3964
John.Ellis@clarkcountynv.gov

BACKGROUND AND NEED FOR PROJECT

The purpose of this project is to support the long-term management of the BCCE to ensure the area is preserved in its natural condition and safeguarded against uses that could degrade its ecological integrity. The BCCE was established to protect and maintain high-value desert habitat—particularly for the Mojave desert tortoise, a federally threatened species—as well as other native plant and wildlife communities. Active management is essential to prevent incompatible land uses, address emerging threats such as illegal dumping, off-highway vehicle trespass, and invasive species, and to promote habitat restoration where needed. This project directly advances the conservation, protection, and enhancement of the BCCE's natural resource values and ensures compliance with the terms of the easement and broader goals of the Clark County MSHCP. Continued stewardship of the BCCE is critical to supporting species recovery efforts and maintaining the ecological functions of this important conservation landscape.



Photo Description: Trash Pile reported on easement by Boulder City Police Department in April 2025.

CONTRACT 1

Contract Title:
BCCE Maintenance

Contract Number:
2005E

Vendor:
Gothic Landscape, Inc

Contract Status:
Completed

Contract Term:
2/1/2022 – 8/31/2023

Contract Amount:
\$50,000.00

Unspent Funds:
\$7,008.00

Funding Source:
S10 21-23

Accomplishments:

- Inspected and repaired Energy Zone fencing.
- Cleaned up one dumpsite.



Photo Description: A common growth form of a large puncturevine flowering.
Photo taken in southern BCCE Unit adjacent to road L north of Eldorado Valley Road. (Curt Deuser, NPS)

CONTRACT 3

Contract Title:
BCCE Law Enforcement

Contract Number:
2005C

Vendor:
City of Boulder City

Contract Status:
Completed

Contract Term:
11/2/2021 – 8/30/2026

Contract Amount:
\$118,528.52

Unspent Funds:
\$48,299.24

Funding Source:
S10 21-23

Accomplishments:

- Conducted patrols of the BCCE three to four days per week.
 - Patrol miles: 9,310
 - Public contacts: 178
 - Materials distributed: 74
 - Warnings: 14
 - Citations: 0

- Reported shooting area, vandalism, and trash sites on the Easement to DCP staff and collected mylar balloons while conducting patrols.
- Handed out interpretive materials to citizens.

CONTRACT 4

Contract Title:
BCCE Law Enforcement

Contract Number:
2305A (1710H)

Vendor:
City of Boulder City

Contract Status:
In progress

Contract Term:
7/18/2023 – 8/30/2026

Contract Amount:
\$446,470.40

Funding Source:
S10 23-25

Accomplishments:

- Conducted patrols of the BCCE three to four days per week.
 - Patrolled 344 days
 - Miles Patrolled: 20748.1
 - Public Contacts: 392
 - Materials distributed: 21
 - Warnings: 23
 - Citations: 9
- 21 trash sites were reported to DCP staff.



Recently fledged juvenile common raven moments after encountering a techno-tort deterrent.

CONTRACT 5

Contract Title:
BCCE Weed Management

Contract Number:
2005D

Vendor:
National Park Service (NPS)

Contract Status:
In progress

Contract Term:
12/21/2021 – 12/31/2025

Contract Amount:
\$132,000.00

Funding Source:
S10 21-23

Accomplishments:

- Locations of noxious weeds and treatments were recorded with GPS.
- Treatment methods included low impact selective spot herbicide application to target weeds while causing minimal to no harm to existing desirable vegetation on site. Hand pulling and hoeing of weeds was also used.
- Chainsaws were used to control tamarisk at an old corral site.

CONTRACT 6

Contract Title:
Subsidized Predator Management at the BCCE

Contract Number:
2362A

Vendor:
Hardshell Labs Inc

Contract Status:
Closed

Contract Term:
3/1/2024 – 2/15/2025

Contract Amount:
\$148,862.00

Funding Source:
S10 23-25

Accomplishments:

- Conducted 10 rounds of raven surveys which averaged 37.3 ravens per survey.
- Located 12 active raven nests and 3 active red-tailed hawk nests in and around the BCCE.
- Installed laser array at the Boulder city landfill and water treatment facility.
- Deployed one techno-tort deterrent.



Photo Description: A common growth form of a large puncturevine flowering.
Photo taken in southern BCCE Unit adjacent to road L north of Eldorado Valley Road. (Curt Deuser, NPS)

CONTRACT 7

Contract Title:
Subsidized Raven Management at the BCCE

Contract Number:
2362B

Vendor:
OrniLogic

Contract Status:
In progress

Contract Term:
3/17/2025 – 9/15/2026

Contract Amount:
\$116,138.00

Funding Source:
S10 23-25

Accomplishments:

- Selected locations and collected data on raven presence at subsidy sites, within the city of Boulder City, and within the northeast portion of the BCCE.
- Built, tested, and deployed two state-of-the-art laser systems for raven deterrent at the landfill and sewage treatment facility.
- Deployed nine custom built electronic systems for sensing raven predation activity and spraying a noxious, non-toxic chemical at potential predators to teach them not to attack juvenile tortoises.
- Oiled one raven nest in a cliff near the BCCE. Located 26 active raven nests for future oiling. Strategized to gain access to infrastructure ahead of the 2026 nesting season.

Associated Purchase Orders

PO Number	Vendor	PO Title	PO Amount	Funding Source
2005H	American Express	Reserves Maint. Materials & Tools FY24	\$2,169.71	S10 21-23
2005J	Berntsen International, Inc	BCCE Trail Signage	\$870.24	S10 21-23
2005K	American Express	Reserves Maint. Materials & Tools FY25	\$2,400.00	S10 21-23
2005L	Grainger	Acquisition of BCCE Maintenance Supplies	\$597.85	S10 21-23
2005M	WirelessLinks	Acquisition of Updated GPS trackers for BCPD	\$3,059.00	S10 21-23
2005N	Grainger	BCCE Maintenance Supplies	\$437.42	S10 21-23

RIPARIAN RESERVES

Condition K of the Incidental Take Permit requires the DCP 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. The Riparian Reserve Units were established in 2012 to restore, protect, and preserve riparian habitat along streams and rivers in the County. These units serve as mitigation for impacts on Covered Species under the MSHCP. There are currently two Riparian Reserve Units in Clark County, the Muddy River Reserve Unit and the Virgin River Reserve Unit. The reserves aim not only to maintain existing riparian habitat but also to restore degraded areas, enhancing habitat connectivity, supporting wildlife movement, and improving ecological resilience.

The Muddy River Reserve Unit encompasses approximately 118 acres in the upper Muddy River watershed. Located downstream from the Moapa Valley National Wildlife Refuge and upstream of the Overton Wildlife Management Area, it provides prime opportunities for habitat restoration and enhancement. The Virgin River Reserve Unit includes more than 665 acres of conservation lands spread across several areas near Mesquite, Bunkerville, and Mormon Mesa.

Together, the reserves conserve and restore riparian corridors that support diverse plant and wildlife communities, including six sensitive bird species covered under the MSHCP: the southwestern willow flycatcher, yellow-billed cuckoo, Arizona Bell's vireo, blue grosbeak, summer tanager, and vermillion flycatcher.

The DCP actively manages these properties to enhance native vegetation, control invasive species, and improve hydrologic conditions that sustain healthy riparian ecosystems. Restoration efforts focus on planting native trees and shrubs, such as cottonwoods, willows, and mesquite, to recreate the layered canopy and habitat structure needed by riparian birds and other wildlife.

Access to the Riparian Reserves is limited to authorized activities, such as scientific research and conservation work, to ensure these fragile ecosystems remain protected for future generations.

PROGRAM AREA

PROJECT

DCP PROJECT CONTACT

Riparian Reserves

Riparian Reserves Management

Caryn Wright
Environmental Specialist
702.455.2972
Caryn.Wright@ClarkcountyNV.gov

BACKGROUND AND NEED FOR PROJECT

As mitigation for impacts from land development under the Clark County MSHCP, the DCP has acquired and preserves critical desert riparian habitat along the Virgin and Muddy rivers. These Riparian Reserve Units are among the few remaining desert riparian habitats in southern Nevada, vital to avian Covered Species such as the southwestern willow flycatcher and yellow-billed cuckoo. A management plan, first established in 2015, outlines biological goals, objectives, and adaptive management strategies to conserve hydrologic function, native stands of cottonwood and willow, and associated wildlife communities within the Riparian Reserve Units. Management actions (e.g. hydrologic restoration, non-native plant control, planting of native riparian vegetation, water rights monitoring, and periodic ecological assessments) are essential to maintain and enhance the ecological integrity of these reserves. Such actions directly address retention of functional riparian corridors, support recovery objectives for Covered Species, and help fulfill the MSHCP's goal of no net unmitigated loss of habitat value within Clark County.

IN-HOUSE WORK, NO CONTRACT

ACCOMPLISHMENTS

DCP staff conducted site inspections on a regular basis to document property issues, inspect contract work, and coordinate with contractors and neighboring landowners.

Fence repair to exclude OHV trespass, Muddy River, Parcel H.



CONTRACT 1

Contract Title:
Riparian Reserves Maintenance

Contract Number:
1910E

Vendor:
Eagle View Contractors, Inc.

Contract Status:
Completed

Contract Term:
09/01/2022-03/31/2024

Contract Amount:
\$100,000.00

Unspent Funds:
\$67,790.00

Funding Source:
S10 19-21

Accomplishments:

- Conducted as-needed inspections of properties.
- Cleared overgrown vegetation from Muddy River Reserve Unit fence and trails to groundwater monitoring wells.
- Cleared Russian thistle from Muddy River properties.

CONTRACT 3

Contract Title:
Riparian Reserves
Vegetation Management

Contract Number:
1910C (1720H, 2010A)

Vendor:
National Park Service (NPS)

Contract Status:
In progress

Contract Term:
03/17/2021-07/15/2025

Contract Amount:
\$320,000.00

Funding Source:
S10 17-19; S10 19-21

Accomplishments:

- Completed Annual Work Plans.
- Completed Data Management Plans.
- Completed dust prevention and mitigation guidance.
- Completed personnel orientation and training.
- Completed weed surveys using ocular surveys by field crews.
- Treated weeds using low impact methods such as selective herbicide application and hand pulling/hoeing.
- Documented location of noxious weeds and treatments with mapping grade GPS equipment.
- Input and organized field data into electronic format and database.
- Completed annual report and submitted project data.

CONTRACT 2

Contract Title:
Riparian Reserves Unit
Maintenance

Contract Number:
2010B

Vendor:
Eagle View Contractors, Inc.

Contract Status:
Completed

Contract Term:
4/23/2024 – 12/31/2025

Contract Amount:
\$100,000.00

Funding Source:
S10 21-23

Accomplishments:

- Conducted as-needed inspections of properties.
- Repaired/replaced 150 feet of fencing to exclude trespass cattle on Bunkerville West.
- Repaired gate on Bunkerville East parcel.
- Replaced two gates on Bunkerville West parcels.
- Maintained temporary nursery.



Portion of fencing replaced (background) to exclude trespass cattle, Bunkerville West. Access gate replaced too.

Associated Purchase Orders

PO Number	Vendor	PO Title	PO Amount	Funding Source
2050D	Grainger	Riparian Reserve Unit Fasteners	\$59.19	S10 21-23

Plants staged prior to planting.





NPS IPMT crew members treating tall whitetop (*Lepidium latifolium*) at Bunkerville West parcel.
Photo Credit: Ouen Moore/NPS/April 2025.



IPMT crew treating California fan palm (*Washingtonia filifera*) cut stumps at Muddy River Riparian Reserve Parcel A. Photo Credit: Maegan Stephenson/NPS/April 2025.

PROGRAM AREA

Riparian Reserves

PROJECT

Riparian Reserves Property Acquisition

DCP PROJECT CONTACT

Caryn Wright
Environmental Specialist
702.455.2972
Caryn.Wright@ClarkcountyNV.gov

BACKGROUND AND NEED FOR PROJECT

The acquisition of riparian properties is a critical component of the DCP's conservation strategy to mitigate the impacts of land disturbance authorized under the Clark County MSHCP. Riparian areas, particularly along the Virgin and Muddy Rivers, provide rare and ecologically valuable habitat in southern Nevada's arid landscape. Furthermore, 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. Acquiring and protecting key riparian parcels ensures long-term conservation of habitat connectivity, native vegetation communities, and essential ecosystem services.

IN-HOUSE WORK, NO CONTRACT

ACCOMPLISHMENTS

- DCP staff evaluated and prioritized properties based on habitat and conservation potential for the bird(s), and ease and cost of management.
- DCP staff coordinated with Real Property Management (RPM) on items related to the acquisition process, i.e., title reports, appraisals, offers, negotiations, etc.
- An offer was sent to the owner of the last remaining private parcel containing occupied SWFL habitat in Bunkerville on a willing seller-willing buyer basis.

Associated Purchase Orders				
PO Number	Vendor	PO Title	PO Amount	Funding Source
917B	N/A	Cedar Development Ct Land Acquisition (35.92 Acres)	Pending	S10 11-13
917S	Fidelity National Title	Chain of Title	\$1,500.00	S10 11-13



Dense habitat preferred by southwestern willow flycatcher.



Looking west at the subject property from the southeast corner.

PROGRAM AREA

Riparian Reserves

PROJECT

Riparian Reserves Restoration

DCP PROJECT CONTACT

Caryn Wright
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 702.455.2972
 Caryn.Wright@ClarkcountyNV.gov

BACKGROUND AND NEED FOR PROJECT

Restoration of riparian habitats is essential to sustaining the ecological integrity and long-term viability of the DCP's Riparian Reserve Units. Riparian areas along the Virgin and Muddy rivers provide critical habitat for avian Covered Species, including the southwestern willow flycatcher (*Empidonax traillii extimus*, SWFL) and yellow-billed cuckoo (*Coccyzus americanus*, YBCU), as well as for a variety of native pollinators and migratory birds. However, decades of habitat degradation driven by altered flow regimes, groundwater depletion, invasive species (such as tamarisk and Russian olive), and increasing development pressure have significantly reduced the quality and functionality of these ecosystems. Restoration activities, including reestablishing native vegetation, enhancing hydrologic conditions, and removing invasive plants, are necessary to reverse habitat decline and promote resilient, self-sustaining riparian systems. These actions directly support the biological goals of the MSHCP and are a vital component of the adaptive management framework that underpins the DCP's conservation strategy. Without proactive and sustained restoration efforts, the remaining riparian corridors will continue to deteriorate, threatening both biodiversity and the success of regional habitat mitigation efforts.

IN-HOUSE WORK, NO CONTRACT**ACCOMPLISHMENTS**

- Collected groundwater levels from Muddy River monitoring wells.
- Collected data cards from wildlife camera traps.

Pulsipher Wash outflow, facing north.

**CONTRACT 1****Contract Title:**Archeological Resource Evals
on Rip Rsv Parcels**Contract Number:**

1750D

Vendor:SWCA Environmental
Consultants**Contract Status:**

In progress

Contract Term:

9/15/2020 – 8/31/2025

Contract Amount:

\$50,000.00

Funding Source:

S10 17-19

Accomplishments:

- Completed Class I (equivalent) cultural survey and report for the pending conservation easement parcels in Bunkerville, APNs 002-26-501-009 and 002-26-501-004.

CONTRACT 2**Contract Title:**Restoration Consultation
Services**Contract Number:**

2050A (1935D)

Vendor:Natural Channel Design
Engineering Inc**Contract Status:**

In progress

Contract Term:

8/7/2023 – 12/31/2025

Contract Amount:

\$79,846.17

Funding Source:

S10 21-23

Accomplishments:

- Completed a memo summarizing conditions on the ground at Pulsipher Wash, potential solutions and next steps towards implementation of a solution.
- Reviewed information and provided a memo with proposed comments to the environmental documents being developed by BLM for the Muddy River Levy Project.
- Drafted a conceptual design for Muddy River.
- Drafted a conceptual design for Muddy River to address project spoils.

Pulsipher Wash, filled with sediment, facing south towards Riparian Reserve Mesquite Subunit.



CONTRACT 3

Contract Title:
Thermal Refugia Restoration

Contract Number:
2050J

Vendor:
EcoCulture

Contract Status:
In progress

Contract Term:
3/17/2025 – 8/30/2025

Contract Amount:
\$22,000.00

Funding Source:
S10 21-23

Accomplishments:

- The Bunkerville subunit was identified in a thermal refugia study as having the greatest microclimate similarity (temperature and relative humidity) to occupied southwestern willow flycatcher habitat.
- Planted 1,300 plants, riparian species (e.g., cottonwood, Goodings willow, coyote willow, etc.).
- Established five photo monitoring points.



Thermal refugia planting, spring 2025. Photo credit: Ecoculture.



Thermal refugia planting, spring 2025.



Thermal refugia planting, spring 2025. Photo credit: Ecoculture.

PROGRAM AREA

Riparian Reserves

PROJECT

Water Rights Management

DCP PROJECT CONTACT

Caryn Wright
 Environmental Specialist
 702.455.2972
 Caryn.Wright@ClarkcountyNV.gov

BACKGROUND AND NEED FOR PROJECT

As part of its conservation efforts, Clark County has acquired both surface and groundwater rights through the purchase of riparian properties, grazing permits, and grazing allotments. To ensure these County-owned water rights remain in good standing with the Nevada Division of Water Resources (NDWR), the DCP must actively manage the associated legal and administrative requirements. This includes filing proofs of completion of work and proofs of beneficial use, submitting timely requests for extensions, and processing applications to change the point of diversion or manner of use when necessary. These actions are essential to securing long-term access to water resources that support habitat restoration and the ecological integrity of the County's riparian reserve units.

IN-HOUSE WORK, NO CONTRACT**ACCOMPLISHMENTS**

- Coordinated with Nevada Division of State Lands (NDSL) to draft agreements to convey water rights identified to be conveyed to Nevada Department of Wildlife (NDOW).
- Coordinated with Real Property Management to finalize agreements to convey water rights to NDOW. Agreements approved by Board of County Commissioners and Nevada Interim Finance Committee.
- Evaluated water rights from willing sellers and water rights appurtenant to real property.

CONTRACT 1**Contract Title:**

Water Rights Consulting

Contract Number:

1910F

Vendor:

Facque Consulting LLC

Contract Status:

In progress

Contract Term:

2/15/2023 – 9/30/2025

Contract Amount:

\$25,212.00

Funding Source:

S10 19-21

Accomplishments:

- Completed NDOW water right conveyance. The document conveying water rights to NDOW was recorded at the Clark County Recorder's office and Reports of Conveyance were filed with the Nevada State Engineer on August 18, 2023. An assignment letter was issued on January 19, 2024.
- Filed Proof of Completion of Work October 13, 2023 for Muddy River Reserve water right application Nos. 91759 and 91760.
- Drafted a water right summary memo that identified remaining water rights owned by Clark County DCP with strategies to maintain the good standing of those water rights is being prepared.

Associated Purchase Orders

PO Number	Vendor	PO Title	PO Amount	Funding Source
2010C	Whitney's Water Systems, Inc	Well Maintenance	\$89.00	S10 21-23



PUBLIC INFORMATION, EDUCATION, AND OUTREACH

Public outreach is a vital part of the DCP. Through creative programs, educational partnerships, and community engagement, the DCP works to increase understanding of the MSHCP and promote appreciation and protection of southern Nevada's unique desert ecosystems.

The program focuses on three key goals:

- Informing the public about the purpose and benefits of the MSHCP and the DCP's role in conserving desert species and habitats.
- Encouraging residents and visitors to respect, protect, and enjoy the desert responsibly.
- Increasing awareness of the ecological, cultural, and recreational value of Clark County's natural lands.

Public outreach activities include the popular Mojave Max Education Program, which teaches students about desert wildlife and conservation through interactive lessons and mascot appearances. The DCP also participates in community events, provides free desert tortoise training for construction personnel, and shares information through social media, videos, and educational materials distributed throughout the year.

Together, these efforts help build a more informed and engaged community that supports long-term conservation of Clark County's desert resources.



PROGRAM AREA

PROJECT

DCP PROJECT CONTACT

Public Information, Education, and Outreach

Mojave Max Education Program

Audrie Locke

BACKGROUND AND NEED FOR PROJECT

The Clark County DCP 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 and Tortoise Talks 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.

IN-HOUSE WORK, NO CONTRACT

ACCOMPLISHMENTS:

- The Mojave Max Education Program has been steadily expanding its reach in terms of the sheer number of Clark County residents reached and the variety of targeted audiences. In the last two years the Program has expanded to include modified Tortoise Talks to a wider variety of community members, including organized OHV groups, the mountain biking community, civic groups (i.e. Rotary and Kiwanis clubs), senior citizens in age-restricted communities, after-school programming managed by both the City of Las Vegas and Clark County, YMCA summer youth programs, scouting events, unique learners (i.e. visually impaired and developmentally delayed students), and several more. This is all being accomplished with in-house DCP staff.
- The Mojave Max Education Program celebrated its 25-year anniversary throughout 2025, including 25-year branded activities and the introduction of the addition of a County-wide Emergence Contest open to all Clark County residents 18 and older, allowing more than just elementary school students to enter a guess in a separate contest, with separate prizes. This first-ever County-wide contest garnered considerable interest and support, with the winners being a family who heard about the contest via a Tortoise Talk to a homeschool group.
- Both the Clark County DCP and the Mojave Max websites are continually being improved and updated for better interface and relevancy. A page dedicated to the MSHCP Permit Amendment was created to offer a single site to review all relevant documents and get updates regarding the process, including community engagement meetings.



CONTRACT 1

Contract Title:
Mojave Max Education Program

Contract Number:
1915H (1712AM)

Vendor:
OLVF (dba Get Outdoors Nevada)

Contract Status:
Completed

Contract Term:
9/1/22 – 8/31/23

Contract Amount:
\$97,650.00

Funding Source:
S10 17-19; S10 19-21

Accomplishments:

- Conducted Tortoise Talk Classroom Programs. Conducted 94 in-person programs for elementary school youth for a total of 1,929 students.
- Conducted Assemblies. Conducted 20 school assemblies for 2,515 elementary school youth in Southern Nevada. GON updated the Mojave Max Assembly materials this program year.
- Assisted with Outreach Events. Assisted with eight outreach events that reached 3,080 individuals.
- Conducted Emergence Contest. During Year 6 of the Program, 4,583 Southern Nevada Elementary students entered the Emergence Contest and GON completed an emergence announcement and field trip at Goldfarb Elementary. This is more than double the interest seen during the 2021-2022 school year!
- Updated Tortoise Talk Materials. This year, two updated versions of the Tortoise Talk presentation were developed by GON and piloted in classrooms. The variation was developed to address differences in learning needs for K-2nd and 3rd-5th grades. There was also an increased effort to incorporate hands-on time for students with several tortoise specimens and also to include a question-and-answer session throughout the presentation.
- Created Pre and Post Materials. Piloted pre and post lesson worksheets for grades K-2nd and 3rd-5th. These are being used by the teachers to prepare the students for their Mojave Max experience and extend the program lessons.

CONTRACT 2

Contract Title:
Mojave Max Education Program

Contract Number:
1940B (1770S)

Vendor:
OLVF (dba Get Outdoors Nevada)

Contract Status:
In progress

Contract Term:
10/30/2023 – 8/31/2025

Contract Amount:
\$519,900.00

Funding Source:
S10 17-19; S10 19-21

Accomplishments:

- Conducted Tortoise Talk Classroom Programs. Conducted 91 in-person programs for elementary school youth for 1,937 students throughout Southern Nevada.
- Conducted Assemblies. Conducted 21 school assemblies for 2,618 elementary school youth in Southern Nevada.
- Assisted with Outreach Events. Assisted with four outreach events that reached 876 individuals.
- Conducted Emergence Contest. During Year 7 of the Program, 4,100 Southern Nevada Elementary students entered the Emergence Contest and GON completed an emergence announcement and onsite celebration at Elaine Wynn Elementary.

CONTRACT 3

Contract Title:
Mojave Max Mascot Appearances

Contract Number:
1915L

Vendor:
Las Vegas Character Visits

Contract Status:
Completed

Contract Term:
12/15/22 – 12/14/23

Contract Amount:
\$20,000.00

Unspent Funds:
\$506.25

Funding Source:
S10 19-21

Accomplishments:

- The popularity of the Mojave Max program continues to grow, and with that the requests for the Mojave Max mascot to appear at a wide variety of events has increased. From December 2022 through March 2024 attended 32 school assemblies and 25 individual outreach events.

CONTRACT 4

Contract Title:
Mojave Max Mascot Appearances 2025-2026

Contract Number:
1940M

Vendor:
Las Vegas Character Visits

Contract Status:
In progress

Contract Term:
3/31/2025 – 4/30/2026

Contract Amount:
\$25,500.00

Funding Source:
S10 19-21

Accomplishments:

- From April 2024 through June 2025 attended 34 school assemblies and 38 individual outreach events.

Associated Purchase Orders

PO Number	Vendor	PO Title	PO Amount	Funding Source
1940H	Bluetrack, Inc	Acquisition of DT Stress Balls	\$11,125.00	S10 19-21
1940L	OrniLogic	Acquisition of 3D Printed Techno-Tort Specimens	\$3,864.00	S10 19-21
1940N	Inspire By Design	Mojave Max Program Giveaways	\$5,847.50	S10 19-21
1940P	Skyhigh Marketing	Mojave Max Program Giveaways	\$4,237.50	S10 19-21
1945B	4AllPromos	Promotional Materials for DCP/Mo Max Programs	\$1,171.41	S10 19-21



Winners of the first-ever Mojave Max Countywide Emergence Contest (2025), the Soranaka Family.



Max Volunteers working an education table at Discovery Day at Wetlands Park.



DCP participates in the annual National Night Out event at Downtown Summerlin, sponsored by local law enforcement agencies and drawing nearly 3,000 people.

PROGRAM AREA

Public Information, Education, and Outreach

PROJECT

General Outreach

DCP PROJECT CONTACT

Audrie Locke

BACKGROUND AND NEED FOR PROJECT

One of the requirements of the MSHCP is that the DCP provide public information, education, and outreach. To support the MSHCP message and mission, the DCP develops brochures, and other written collateral that contain conservation messages and further explain the DCP's purpose and mission. Written collateral is handed out at a wide variety of outreach events. Additionally, the DCP 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.

IN-HOUSE WORK, NO CONTRACT**ACCOMPLISHMENTS:**

- The Volunteer to the Max program was created to allow members of the community to become Max Volunteers and assist with various DCP outreach activities including education tables and restoration and cleanup events. To date, dozens of volunteers have donated hundreds of hours to support DCP's restoration, cleanup, and education outreach efforts.
- Multiple desert cleanup events were coordinated to bring volunteers to the BCCE and remove trash dumped in the area, and debris blown in from the nearby highway.
- Multiple projects on the BCCE, including vertical mulching, trail restoration, and sign installation were supported with the use of Max volunteers coordinated in-house.
- Communication regarding recent MSHCP Permit Amendment efforts was partly handled in-house, including using targeted ads on social media, content posted regarding scheduled meetings and community forums, the collection of contact information and feedback from meeting attendees via Google Forms, and the sharing of that information with contracted consultants to be used to fine-tune messaging and follow up communication with residents, stakeholders, and other agencies.
- The development of messaging to bring awareness to residents about their role in preventing the attraction of predators through subsidies was started. Areas for targeted messaging are most known to have wild desert tortoise habitat and populations adjacent to residential areas. This will be implemented in the next biennium.
- Online training for construction workers is under development, which will allow for the training and certification of Mojave Desert tortoise protocols on non-federal construction sites.



Max Volunteer working on vertical mulching at the BCCE.

CONTRACT 1**Contract Title:**

OHV Outreach

Contract Number:

1940C (807K, 1915M)

Vendor:

MXT Media

Contract Status:

Completed

Contract Term:

8/24/2023-6/30/2024

Contract Amount:

\$5,000.00

Unspent Funds:

\$1,500.00

Funding Source:

S10 19-21

Accomplishments:

- Coordinated three different public outreach events focused on OHV registration within Clark County.
- Hosted an education table regarding OHV registration at one of the DCP desert cleanup events at the BCCE.

Associated Purchase Orders				
PO Number	Vendor	PO Title	PO Amount	Funding Source
1770U	United Site Services	Portable Rental for BCCE Clean Up	\$435.00	S10 17-19
1940D	4AllPromos	Promotional Materials for DCP Programs	\$9,644.70	S10 19-21
1940E	Logo Apparel	Logo Hats & Shirts for Outreach Team	\$450.00	S10 19-21
1940F	4AllPromos	Acquisition of Promotional Materials	\$2,350.00	S10 19-21
1940J	United Site Services	Portable Restroom for BCCE Cleanup	\$435.00	S10 19-21
2095F	Nevada Conservation League	NCL-Annual Home Means Nevada Dinner	\$1,500.00	S10 21-23



DCP Staff and Max Volunteers working on a restoration project at the BCCE.

Max Volunteers at the BCCE Desert Cleanup event.



WILD DESERT TORTOISE ASSISTANCE

The desert tortoise is a key species driving the need for the Clark County MSHCP and the associated federal incidental take permit. To protect and support wild desert tortoise populations, the DCP implements a variety of conservation measures designed to minimize the effects of development and promote species recovery.

A central component of these efforts is the Wild Desert Tortoise Assistance Line (702-593-9027), which provides immediate response for tortoises found on active construction sites. When a tortoise is reported, DCP biologists respond to safely collect and relocate the animal from harm's way. The program also offers free desert tortoise training to construction personnel, ensuring workers know how to recognize, report, and avoid impacts to tortoises in the field.

In partnership with the USFWS' Desert Tortoise Recovery Office, the DCP also manages a translocation program that moves tortoises from areas affected by development to protected conservation lands such as the BCCE. This program reduces development-related impacts and supports long-term recovery by establishing and monitoring stable tortoise populations in secure habitats.

To further reduce mortality and habitat fragmentation, the DCP has constructed and assists with maintaining more than 400 miles of desert tortoise exclusion fencing along major roads and development boundaries. These fences keep tortoises from entering hazardous areas and guide them safely toward open habitat and designated crossings. Together, these efforts represent a comprehensive strategy to protect the wild desert tortoise and ensure its continued survival across Clark County's Mojave Desert landscape.



PROGRAM AREA
PROJECT
DCP PROJECT CONTACT

Wild Desert Tortoise Assistance
Translocation
Scott Cambrin
Senior Biologist
702-455-3859
Scott.cambrin@clarkcountynv.gov

BACKGROUND AND NEED FOR PROJECT

Population augmentation is one of the seven strategic elements identified in the *2011 Revised Recovery Plan for the Mojave Desert Tortoise* as critical to reversing population declines. In alignment with this strategy, the DCP implements translocation projects that relocate healthy tortoises into areas where populations have been depleted. These efforts aim to improve demographic stability, maintain genetic diversity, and support the long-term recovery of the species. This project contributes to that goal through active monitoring of two translocation sites in Clark County, both of which are connected to existing wild populations.

A key source of tortoises used in augmentation efforts comes from the Wild Desert Tortoise Assistance Line, which the DCP operates in compliance with the 1995 Desert Conservation Plan and the 2001 MSHCP and associated Section 10 Permit. The hotline provides a mechanism for contractors to report tortoises displaced by development or at risk due to construction activity. Through this service, the DCP ensures that wild tortoises found in harm's way are safely recovered, assessed, and, when appropriate, translocated to suitable habitat areas.

DCP also collects data to evaluate the success of such translocations by assessing survivorship, movement patterns, and the integration of translocated individuals compared to resident tortoises. Results will generate valuable data to inform the USFWS' efforts to refine population augmentation as a recovery tool for the Mojave desert tortoise across its range, while also supporting habitat connectivity and long-term species resilience.

IN-HOUSE WORK, NO CONTRACT

ACCOMPLISHMENTS:

- Facilitated the translocation of 55 desert tortoises to the BCCE in the fall of 2023 and 2024.
- Provided weekly care in the form of food and water to 12 tortoises held in the DCP's temporary holding facility over the last biennium.



A coyote pup and desert tortoise share a burrow.

CONTRACT 1

Contract Title:
DT Health Assess and
Pickup Svc Support

Contract Number:
803F

Vendor:
Ecocentric, LLC

Contract Status:
Completed

Contract Term:
1/19/2019 – 12/31/2023

Contract Amount:
\$99,390.00

Unspent Funds:
\$7,874.16

Funding Source:
S10 09-11

CONTRACT 2

Contract Title:
BCCE DT Telemetry &
Health Assess

Contract Number:
2030A (1740C, 1930B)

Vendor:
Great Basin Institute

Contract Status:
Completed

Contract Term:
11/15/2021 – 12/28/2023

Contract Amount:
\$780,085.33

Unspent Funds:
\$13,200.00

Funding Source:
S10 21-23

Accomplishments:

- Completed health assessments and a disposition plan for 4 tortoises.
- Completed final reporting and closeout of the project

CONTRACT 3

Contract Title:
BCCE Post-Translocation
Telemetry

Contract Number:
2330A (2030B)

Vendor:
Great Basin Institute

Contract Status:
In progress

Contract Term:
4/1/2024 – 12/31/2025

Contract Amount:
\$803,500.00

Funding Source:
S10 23-25

Accomplishments:

- Tracked 39 tortoises weekly during the tortoise active season, and monthly during the inactive season for a total of 1968 times
- Recorded 9 tortoise mortality events.
- Replaced 16 transmitters.
- Submitted 17 monthly data uploads and 5 quarterly reports.

CONTRACT 4

Contract Title:
Eldorado Valley Post
Translocation Surveys

Contract Number:
1741A

Vendor:
Great Basin Institute

Contract Status:
Completed

Contract Term:
11/1/2022 – 11/30/2024

Contract Amount:
\$405,565.00

Funding Source:
SNPLMA R17

Accomplishments:

- Walked 449 transects.
- Located 87 tortoises, 76 of which were adults, and 129 carcasses during the field season.
- Recorded 1,249 telemetry locations of 10 tortoises to use for G0 calculations.
- Compiled two years of annual data and 2 annual reports.



Telemetry supervisor at BCCE.

CONTRACT 5

Contract Title:
DT Health Assessment
and Care

Contract Number:
2330B (803J)

Vendor:
Ecocentric, LLC

Contract Status:
In progress

Contract Term:
5/7/2024 – 12/31/2026

Contract Amount:
\$56,444.76

Funding Source:
S10 23-25

Accomplishments:

- Obtained permits from the USFWS.
- Provided care for 9 tortoises in captivity at the Clark County temporary holding facility.
- Completed health assessments and a disposition plan for 9 tortoises; the data and plan were submitted to the county and USFWS.



Photo of CC0824 carapace taken during health assessment on May 8, 2025.

CONTRACT 6

Contract Title:
Predator - Prey Dynamics
Phase 2

Contract Number:
2045A (2392A)

Vendor:
US Geological Survey (USGS)
-Western Eco Rsrch Ctr

Contract Status:
In progress

Contract Term:
10/18/2022 – 12/31/2025

Contract Amount:
\$1,145,634.00

Funding Source:
S10 21-23

Accomplishments:

- Captured 22 coyotes and collared 20 coyotes.
- Tracked 24 coyotes and recorded over 64,000 locations using satellite GPS collars.
- Marked 81 black-tailed jackrabbits and collared 56 of them.
- Collected over 30,000 jackrabbit waypoints for spatial analysis.
- Deployed two camera arrays; one consisting of 15 3x3 grids for estimating jackrabbit home ranges and the second consisting of 5 3x3 grids for estimating coyote home ranges. These have resulted in over 600,000 photos to analyze.
- In March 2024 two jackrabbits were found dead due to RHDV2 but this did not translate into an outbreak of the virus at that time.

PROGRAM AREA

Wild Desert Tortoise Assistance

PROJECT

Desert Tortoise Fencing

DCP PROJECT CONTACT

John Ellis
Environmental Specialist
702-455-3964
John.Ellis@ClarkCountyNV.gov

BACKGROUND AND NEED FOR PROJECT

The DCP constructs, monitors, and maintains desert tortoise exclusion fencing as a critical measure to protect the Mojave desert tortoise. Roadways and other linear infrastructure fragment tortoise habitat across Clark County, creating significant threats such as direct mortality from vehicle strikes and barriers to movement that disrupt breeding, foraging, and population connectivity. In response, the DCP began implementing exclusion fencing in 1995, starting with a pilot study to assess its effectiveness in reducing roadway mortality.

Since then, the DCP has installed and retrofitted more than 400 miles of fencing along major roadways in southern Nevada. These fences are designed to prevent tortoises from entering dangerous areas and to guide them safely toward culverts or other safe crossing points. Regular monitoring and maintenance ensure that the fencing remains intact and effective, especially after severe weather events. Continued investment in tortoise exclusion fencing is essential for minimizing human-wildlife conflict, maintaining viable tortoise populations, and meeting the conservation goals outlined in the Clark County MSHCP.



Installed tortoise guard prior to gate installation.

CONTRACT 1**Contract Title:**

Tule Springs Monument Fence

Contract Number:

1975A, (804N, 1525C, 1725A, 1780A)

Vendor:

JNJ Engineering Construction Inc

Contract Status:

Completed

Contract Term:

4/1/2021 – 10/30/2023

Contract Amount:

\$1,394,480.00

Unspent Funds:

\$5,887.45

Funding Source:

S10 09-11; S10 15-17; S10 17-19; S10 19-21

Accomplishments:

- Constructed approximately 3,600 feet of post and cable fence.
- Constructed approximately 5.2 miles of post and cable fence with attached desert tortoise exclusionary fencing (i.e. Combo Fence).
- This involved using railroad ties which were embedded into the ground and into which 2 cables were strung through and attached using clamps.
- On the inside of the fence, we attached a galvanized wire, approximately 3/16" in diameter onto which the tortoise wire was attached using hog rings.
- Additional clamps and washers were used to secure the fencing and cables to ensure tightness and preserve the fence for many years to come.

CONTRACT 2**Contract Title:**

Road Warriors DT Mortality & Fence Survey

Contract Number:

2042A

Vendor:

Tortoise Group

Contract Status:

Completed

Contract Term:

2/14/2022 – 1/12/2024

Contract Amount:

\$70,000.00

Unspent Funds:

\$2,000.00

Funding Source:

S10 21-23

Accomplishments:

- Desert tortoise road mortality, live tortoise observations, and tortoise sign surveys were conducted during active tortoise season.
- Throughout the fence inspections, there were a total of 93 reports 2022 and 199 reports in 2023 of incidents of damage submitted to NDOT for evaluation over the two-year period.
- One live tortoise, one carcass and one tortoise burrow were observed in the spring total mileage in 2022.
- Two live tortoises and five tortoise burrows were observed in the total of fall surveys in 2022.

CONTRACT 3

Contract Title:

Road Warriors 2024-2025

Contract Number:

2335A

Vendor:

Tortoise Group

Contract Status:

In progress

Contract Term:

4/11/2024 – 4/1/2026

Contract Amount:

\$80,000.00

Unspent Funds:

\$7,874.16

Funding Source:

S10 23-25

Accomplishments:

- The Tortoise Group surveyed 30 road miles (both sides of the road for a total of 60 miles) on the I-15 from Mile Marker (MM) 70 to MM 100 for fence incident surveys as requested by NDOT.
- The Tortoise Group completed the clearing out of 23 tortoise guards.
- The Tortoise Group completed 10 miles of road mortality surveys in the Coyote Springs area.



Road Warriors volunteer clearing a tortoise guard of debris.



Example of fence damage documented during Road Warriors fence inspection surveys.



Completed combination post and cable tortoise fencing along US95 and Tule Springs Fossil Beds National Monument.

PROGRAM AREA

Wild Desert Tortoise Assistance

PROJECT

Desert Tortoise Habitat Restoration

DCP PROJECT CONTACT

Stefanie Ferrazzano
Biologist
702.455.6386
Stefanie.Ferrazzano@ClarkCountyNV.gov

BACKGROUND AND NEED FOR PROJECT

Habitat loss and degradation are among the primary threats to the Mojave desert tortoise (*Gopherus agassizii*). Urban development, off-highway vehicle use, wildfire, invasive plant species, and climate change have significantly altered and fragmented large areas of tortoise habitat across the Mojave Desert, reducing its suitability for foraging, nesting, and shelter. As a result, habitat restoration is a vital component of recovery efforts for the species.

The 2011 Revised Recovery Plan for the Mojave Desert Tortoise emphasizes the importance of restoring degraded habitat to improve population health, expand available range, and support connectivity between tortoise conservation areas. Restoration not only enhances the ecological integrity of the landscape but also increases the carrying capacity for desert tortoise populations and other native species.

In line with these priorities, the DCP is working to identify, implement, and monitor habitat restoration projects in key areas across Clark County. Conducting habitat restoration is essential to offset the ongoing impacts of development, meet conservation commitments under the MSHCP, and advance the long-term recovery of the desert tortoise in southern Nevada.

IN-HOUSE WORK, NO CONTRACT**ACCOMPLISHMENTS:**

- Completed annual spring vegetation monitoring at permanent transects established at restoration sites at the BCCE.
- Continued communication with utility companies which have ongoing restoration projects at the BCCE to ensure restoration goals are met, and completed annual vegetation monitoring at in-progress restoration sites.

Example of OHV disturbance within the project area. View facing southwest.

**CONTRACT 1****Contract Title:**

Piute Eldorado Restoration Planning

Contract Number:

2057A

Vendor:

SWCA Environmental Consultants

Contract Status:

In progress

Contract Term:

3/1/2024 – 11/30/2025

Contract Amount:

\$114,789.35

Funding Source:

SNPLMA R18

Accomplishments:

- Completed desktop analysis of documented disturbances throughout Piute Eldorado Valley
- Completed ground-truthing and pre-restoration monitoring in the field
- Authored the *Piute Eldorado Valley Area of Critical Environmental Concern Restoration Plan*
- Authored the Request for Proposals and Scope of Work that will be used to solicit bids for restoration implementation



Example of OHV disturbance within the project area. View facing southwest.

CONSERVATION PROJECTS

In addition to its core program areas, the DCP supports a wide range of conservation projects that advance the goals of the MSHCP. These projects provide flexibility to respond to emerging conservation needs, enhance recovery of Covered Species, and address unforeseen environmental challenges across Clark County.

Projects may include species inventories, habitat protection and restoration, scientific research, and special studies designed to improve understanding of desert ecosystems and inform adaptive management decisions. Some efforts focus on direct recovery actions for at-risk species, while others develop innovative tools, data, and strategies to support long-term ecosystem health.

By investing in diverse, science-based projects, the DCP ensures that conservation work remains adaptive, effective, and forward-looking, helping to safeguard the 78 species covered under the MSHCP and the habitats they depend on throughout southern Nevada.

PROGRAM AREA
PROJECT
DCP PROJECT CONTACT

Conservation Projects
Improving Restoration Outcomes
Stefanie Ferrazzano
Biologist
702.455.6386
Stefanie.Ferrazzano@ClarkCountyNV.gov

BACKGROUND AND NEED FOR PROJECT

Ecological restoration is a critical tool for reversing habitat degradation and supporting the recovery of species such as the Mojave desert tortoise and other Covered Species under the Clark County MSHCP. However, restoration in arid environments presents significant challenges due to extreme climate conditions, poor soil quality, invasive species pressure, and limited natural regeneration. As a result, restoration projects often experience variable success rates, and there is a growing need to improve both the efficiency and effectiveness of restoration efforts.

Projects that aim to improve restoration outcomes are essential for developing science-based strategies, refining techniques, and identifying the conditions that lead to long-term ecological resilience. By testing and evaluating restoration practices under field conditions, these efforts help determine what works, where, and why.

Improving restoration outcomes is particularly important for the DCP and its mission to conserve species and habitats covered under the Clark County MSHCP. Enhancing restoration success directly supports landscape-scale habitat recovery, increases the effectiveness of mitigation investments, and contributes to the broader goals of species conservation, ecosystem function, and climate adaptation in the Mojave Desert.

Treatment installation in April 2024. 2023-UNLV-2395A.



Valley of Fire State Park site with crew conducting sampling at transect 3, November 23, 2024. 2023-SUU-2380A.

CONTRACT 1

Contract Title:
Reevaluating Desert Upland
Habitat Restoration

Contract Number:
1760C

Vendor:
University of Nevada LV (UNLV)
-School of Life Sci

Contract Status:
Completed

Contract Term:
31/3/2023 – 6/10/2025

Contract Amount:
\$273,000.00

Funding Source:
SNPLMA R17

Accomplishments:

- Collected plant and soil community data from 363 plots across 15 restoration projects in Clark County.
- Produced a Clark County restoration database containing 363 plots across 15 restorations. Data includes full plant inventories conducted during the spring 2024 field season and surface soil and substrate data compiled between 2023-2025. Background information on non-UNLV studies provided by project partners at DCP, Tule Springs Fossil Beds National Monument, and Lake Mead National Recreation Area.
- Produced geospatial and photograph archive for each of the 15 projects.
- Produced descriptive statistics for each project to provide summary information to determine the effectiveness of restorations.
- Submitted a case study on the Bonnie Springs seeding, "Effectiveness of seeding for restoration up to 17 years after a Mojave Desert wildfire" to the scientific journal *Ecological Restoration* for publication. This article was submitted for consideration for the Themed Section *Wildland Fire and Activities of the U.S. Fire Science Exchange Network*.
- Collected plant community data for an additional four case studies to be considered for submission to scientific journals. In progress are statistical analyses specific to these projects.

CONTRACT 2

Contract Title:
Rare Plant Propagation
Research

Contract Number:
1990A (809N)

Vendor:
US Geological Survey (USGS)
-Western Eco Rsrch Ctr.

Contract Status:
Completed

Contract Term:
3/1/2020 – 12/13/2023

Contract Amount:
\$141,678.00

Funding Source:
S10 19-21

Accomplishments:

- Published a status-of-knowledge article on *Arctomecon californica* with emphasis on propagation and reintroduction information relevant to conservation of the species. This article draws from published and unpublished information for the species and was reviewed by local *A. californica* experts and was published as a monograph in the journal *Western North American Naturalist* (Stosich et al. 2022).
- Published a research article on experimental propagation of *Cylindropuntia multigeniculata* from collected joint cuttings. The study compared different soil mixtures and watering schedules to determine optimal plant rooting and establishment. This article was published in the journal *Native Plants* (Scoles-Sciulla et al. 2022).
- Completed propagation trials on four *Eriogonum viscidulum* populations using soil seed bank collected from habitat and grown in the greenhouse. Successfully propagated *E. viscidulum* in the greenhouse and made seed collections from viable seed resulting from plants.
- Completed pollination experiments that identify the mating system for *E. viscidulum* (can self-pollinate) and *Penstemon albomarginatus* (requires a pollinator for outcrossing).

CONTRACT 3

Contract Title:
Rare Plant Propagation
Research Phase II

Contract Number:
2075A

Vendor:
US Geological Survey (USGS)
-Western Eco Rsrch Ctr

Contract Status:
In progress

Contract Term:
1/17/2023 – 6/30/2027

Contract Amount:
\$628,573.00

Funding Source:
S10 21-23

Accomplishments:

- Collected joint cuttings from *C. multigeniculata* during spring and fall 2023, potted them, and cared for them in the USGS shadehouse until they were ready for outplanting in fall 2024. Assigned outplants to one of two watering schedules and assessed survival for one year following planting in habitat (fall-planted cuttings will be assessed during fall 2025).
- Collected stem cuttings of *P. albomarginatus* from three subpopulations during the springs of 2023 and 2024, evaluated methods for plant production in a nursery setting, and successfully propagated plants from stem cuttings. A subset of these plants has been successfully established in habitat and are being evaluated to compare establishment treatments, which are based on previous study of soil, shading, and nurse plant effects.
- Received *A. californica* seeds collected in 2023 from USDA cooperators (Kelsey Graham), and tested a subset from each matriline for viability. Selected matrilines from each of eight population for propagations trials, and transplanted germinants into one of three soil mixes to assess the most suitable soil for propagation. Germinants are currently growing in the USGS greenhouse.
- Collected seed from *E. viscidulum* in 2023 (three populations) and 2024 (one additional population) in accordance with Center for Plant Conservation (CPC) guidelines to provide conservation collections.
- Collected soil seedbank samples at one *E. viscidulum* population in fall 2023, germinated seeds from samples during a nine-month emergence method developed for Mojave Desert species (DeFalco et al. 2009, Scoles-Sciulla and DeFalco 2009), identified all seedlings to species, and delivered a comprehensive record of all emergence data.
- Established *Astragalus geyeri* var. *triquestrus* habitat plots at two populations during fall 2023 and implemented irrigation treatments throughout fall/winter 2023/24 and early spring 2024 to help stimulate germination. Searched for and marked plants that occurred inside and outside irrigation plots, and tracked a subset to senescence, then collected seeds from these plants for conservation collection or related research (see Project 2023-USGS-2385A, Seed Ecology of Threecorner Milkvetch). Established habitat plots at two additional populations during fall 2024, but further activity at these plots will be delayed until winter 2025/26 in expectation of more favorable weather conditions.
- Collected soil seed bank samples during fall 2024 from one *E. viscidulum* population, two *A. geyeri* var. *triquestrus* populations, and two *A. californica* populations. Germinated seed from these samples following methods developed for Mojave Desert species, and transplanted emerging seedlings to larger pots. Although no *E. viscidulum* plants survived to maturity during this process, seeds from resulting mature *A. geyeri* var. *triquestrus* plants were collected to establish conservation collections. Resulting *A. californica* plants were transplanted into the soils trial with those propagated directly from seed, and these are currently growing in the USGS greenhouse.

CONTRACT 4

Contract Title:
Brome Reduction Study

Contract Number:
1995A

Vendor:
Utah State University

Contract Status:
In progress

Contract Term:
11/14/2023 – 11/25/2025

Contract Amount:
\$21,612.00

Funding Source:
S10 19-21

Accomplishments:

- Completed research plot establishment and treatment applications.
- Collected plant density and cover data at the trial location.
- Presented initial data analysis results at a professional Science Society Meeting, and the abstract has been published.
- Preliminary data show treatment is effective at controlling invasive annual grasses without negatively affecting perennial shrub species.
- Final data analysis and final report preparation are in progress.

CONTRACT 5

Contract Title:
Edaphic Components of LV
Bearpoppy Habitat

Contract Number:
2380A

Vendor:
Southern Utah University -
Dept of Geosciences

Contract Status:
In progress

Contract Term:
11/29/2023 – 11/30/2025

Contract Amount:
\$241,300.00

Funding Source:
S10 23-25

Accomplishments:

- Completed soil depth and surface cover evaluation, soil sampling, vegetation ID, and enumeration at 21 of 30 study sites. Remaining sites will be completed in fall 2025.
- Completed *A. californica* tissue collection at 8 of 30 study sites. Tissue samples have been limited due to low plant density.
- Completed in-house (SUU) soil evaluation for components such as gypsum content and water content saturation for 20 of 30 sites.
- Completed external soil evaluation for 8 of 30 sites, and soil evaluation at Utah State University Analytical Laboratory is in progress for an additional 12 sites.
- Completed vegetation analysis at 21 of 30 sites. Remaining sites will be completed in fall 2025.



Three-corner milkvetch (*Astragalus geyeri* var. *triquetrus*) typically occurs in habitats with deep, sandy soils, such as this vigorous plant at Mormon Mesa during spring 2024 (Photo: L DeFalco, USGS). 2023-USGS-2085A.

CONTRACT 6

Contract Title:
Development of Resilient
Plant Materials for Desert
Restoration

Contract Number:
2382A

Vendor:
US Geological Survey (USGS)
-Western Eco Rsrch Ctr

Contract Status:
In progress

Contract Term:
12/19/2024 – 3/1/2027

Contract Amount:
\$312,754.00

Funding Source:
S10 23-25

Accomplishments:

- In line with the Mojave Desert priority species list (Esque et al. 2021) and after consultation with Clark County, BLM and other Mojave managers, selected several forb and shrub species for experimental pre-conditioning treatments in the USGS research greenhouse.
- After determining the availability of collected seeds from climate zones similar to the USGS experimental garden, requested and received seeds of the selected species from USDA-ARS Germplasm Resources Information Network (GRIN).
- Tested all seeds of forbs and shrubs for viability. Implemented necessary dormancy breaks for forb species (heat treatment, seed coat scarification), sowed seeds in post maintained in the greenhouse, and began pre-conditioning stress treatments on the seeds. Dormancy breaks and pre-conditioning of shrub species will begin in the coming months.

CONTRACT 7

Contract Title:
Seed Ecology of Threecorner
Milkvetch

Contract Number:
2385A

Vendor:
US Geological Survey (USGS)
-Western Eco Rsrch Ctr

Contract Status:
In progress

Contract Term:
2/8/2024 – 12/21/2028

Contract Amount:
\$346,956.00

Funding Source:
S10 23-25

Accomplishments:

- Completed surveys for *A. geyeri* var. *triquetrus* during spring 2024 at two populations on and near irrigation plots associated with Project 2021-USGS-2075A as well as historic points within these populations.
- Tagged plants at each site and implemented herbivore (caged or uncaged) and neighbor treatments (neighboring annual plants removed or no removal).
- Measured plants repeatedly throughout the spring to assess growth and reproduction.
- Bagged and collected whole plants after senescence and counted fruits and filled seeds to get a precise measure of reproductive effort.
- Collected annual biomass of other species within a circle of 1 m radius to quantify neighbor competition.
- Conducted the pollen limitation study on additional plants found at both study sites, applying pollen treatments, which included transferring pollen, bagging flowers, collecting fruits when plants senesced, and enumerating filled seeds from each fruit to determine reproductive success for the pollination treatments.
- Initiated a seed burial experiment after testing viability of seeds collected from habitat at the two study sites, which involved burying seeds in mesh bags at each site during summer 2024. Replicate bags were subsequently collected after three, six, and nine months of burial, transported to the laboratory, incubated to promote germination, and tested for viability to understand seasonal changes in dormancy states and the short-term longevity of seeds in the soils seed bank. Additional collections will occur after 12, 15, 24, 36, and 48 months of burial to determine longer-term longevity.

CONTRACT 8

Contract Title:
Autogenic Restoration at the BCCE

Contract Number:
2395A

Vendor:
University of Nevada LV (UNLV)
-School of Life Sci

Contract Status:
In progress

Contract Term:
3/28/2024 – 10/31/2026

Contract Amount:
\$270,000.00

Funding Source:
S10 23-25

CONTRACT 9

Contract Title:
Evaluation of Screwbean Mesquite Ecosystem

Contract Number:
2070A

Vendor:
EcoCulture

Contract Status:
In progress

Contract Term:
11/29/2023 – 11/30/2025

Contract Amount:
100,000.00

Funding Source:
S10 21-23

Accomplishments:

- Established a total of 72 experimental plots along three approximately 500 m decommissioned road segments within the BCCE.
- Collected pre-treatment plant community data in spring 2024.
- Completed treatment installation, including constructing pits and mounds, installing vertical mulch, and transferring litter from below creosote bushes on site.
- Collected post-treatment plant community data in October 2024 and April 2025. Additional data will be collected in April 2026.



Seedling of white-margined beardtongue (*Penstemon albomarginatus*) emerging from surface soil collected from habitat and propagated in the USGS greenhouse. Cotyledons are strap-shaped, and the characteristic white margin appears on the first true leaves (Photo credit: Lesley DeFalco, USGS). 2019-USGS-1990A.

CONTRACT 10

Contract Title:
Evaluation of Herbivore Deterrent

Contract Number:
2050C

Vendor:
EcoCulture

Contract Status:
In progress

Contract Term:
3/1/2024 – 12/31/2025

Contract Amount:
\$154,800.00

Funding Source:
S10 21-23

Accomplishments:

- Planted 60 plots with 1,500 plants at Bunkerville East and West and Mormon Mesa in April 2024. Pellet counts were conducted for all plots and plants were watered with at least one gallon per plant.
- Trico pro plots (20) and Plantskydd plots (20) were sprayed with the appropriate herbivore deterrent at the time of planting.
- Four rounds of supplemental watering were completed between April 27 and June 14, 2025.
- Six rounds of monitoring and reapplication of Plantskydd were conducted between mid-May and mid-October 2024. One reapplication of Trico Pro was completed in mid-October 2024.
- The Final Report and Final Project Data for the 2024 season were produced and submitted in December 2024.
- Four rounds of monitoring and reapplication of Plantskydd were conducted between late January and late June 2025. One reapplication of Trico Pro was completed during the monitoring visit in late March 2025.
- Twenty new plots consisting of between one and three wild plants were identified near the study areas at Bunkerville West and East and Mormon Mesa. Each plot was designated as one of the three treatment types (control, Plantskydd, Trico Pro). Monitoring and application/reapplication of herbivore deterrent for these “wild” plots was conducted concurrent with 2025 monitoring visits.

Associated Purchase Orders

PO Number	Vendor	PO Title	PO Amount	Funding Source
2050B	Helena Chemical Company	Acquisition of Herbivore Deterrent	\$564.96	S10 21-23
2050E	Helena Chemical Company	Acquisition of Herbivore Deterrent	\$1,694.87	S10 21-23
2050F	CDW Government, Inc	Acquisition of Camera Supplies	\$181.80	S10 21-23
2050G	Helena Chemical Company	Acquisition of Herbivore Deterrent	\$616.00	S10 21-23
2050G	B & H Photo	Acquisition of Camera Supplies	\$134.98	S10 21-23
2050H	B & H Photo	Acquisition of Camera Supplies	\$1,018.68	S10 21-23
2050L	Grainger	Herbivore Deterrent Supplies	\$166.93	S10 21-23



Restorations. Examples of restorations conducted across Clark County that include a variety of approaches. From left to right, top to bottom: Bonnie Springs seeding after wildfire (BLM), SNWA endcap planting (LAKE), Fish Hatchery planting (LAKE), Northshore Rd restoration planting and topsoil application (LAKE), Lake Mead Lodge footprint planting (LAKE), and Eglinton Preserve planting (TUSK). 2017-UNLV-1760C



LAKE Rd108. Abiotic restoration along a decommissioned road in Lake Mead National Recreation Area. Approved road 108 was decommissioned in 2002. Pictured are examples of untreated control plots (not ripped), treatment plots (ripped), and adjacent undisturbed references) for two blocks. Images show the range of responses by colonizing plants in this high gypsum soil 22 years after treatments. 2017-UNLV-1760C



Provenance Garden planting.



In the pollination limitation experiment, flowers of three-corner milkvetch plants (*Astragalus geyeri* var. *triquetrus*) were either bagged using nylon mesh or remained unbagged, and the comparison of formed fruit between these treatments is determining whether the species requires a pollinator to produce viable fruit; Mormon Mesa population (Photo: L DeFalco, USGS). 2023-USGS-2085A.



A white-margined penstemon (*Penstemon albomarginatus*) propagated from a stem cutting and planted in an experimental garden in flower during May 2024, 3 months after establishment (Photo: Alexander Stosich, Utah State University). 2021-USGS-2075A.



Fringed amaranth (*Amaranthus fimbriatus*) – a native Mojave Desert summer forb – is one of several species that will be subjected to drought during flower and fruit formation in the greenhouse to develop drought-tolerant seeds for use in habitat restoration. This plant is in the early flower bud stage (Photo: Lesley DeFalco, USGS). 2023-USGS-2382A.



Invasive annual grasses (red brome and *Schismus* spp.) in the foreground and herbicide treated plots in the background showing effective annual grass control on November 13, 2024. 2019-USU-1995A.



Disease on screwbean mesquite.



Red Bluff Spring site at Gold Butte National Monument with crew conducting sampling at transect 2, May 3, 2024. 2023-SUU-2380A.

RComparison of two treatments with the treatment to the right controlling annual grasses and desert trumpet, while the plot to the left has a high population of desert trumpet on November 13, 2024. 2019-USU-1995A.





A seed of sticky buckwheat (*Eriogonum viscidulum*) that germinated during research conducted by USGS is helping to reveal the seed ecology of rare species (Photo credit: Mikaela Gaskill, USGS). 2019-USGS-1990A.



Las Vegas bearpoppy (*Arctomecon californica*) seedlings successfully propagated from soils collected from habitat and grown in a greenhouse. (Photo: Lesley DeFalco, USGS). 2021-USGS-2075A.



BCCE experimental plot during post-treatment data collection in October 2024. 2023-UNLV-2395A.



Desert chia (*Salvia columbariae*) – a native winter annual forb important for Mojave desert tortoise diet – is currently growing in a greenhouse and will be subjected to different drought treatments during reproduction to develop drought-tolerant seeds (Photo: Lesley DeFalco, USGS). 2023-USGS-2382A.



Herbivore deterrent plot.

PROGRAM AREA

Conservation Projects

PROJECT

NDF Permit Compliance

DCP PROJECT CONTACT

Stefanie Ferrazzano
 Biologist
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 Stefanie.Ferrazzano@ClarkCountyNV.gov

BACKGROUND AND NEED FOR PROJECT

The Nevada Division of Forestry (NDF) issued a special permit in March 2019 to Clark County, allowing the removal or destruction of state-protected plant species on non state and non federal lands under development. This permit is valid through February 1, 2031 and explicitly authorizes actions taken under the Clark County MSHCP.

Under this permit, the DCP ensures that any permitted development activities comply with state regulations while executing habitat mitigation efforts. The DCP's compliance with the NDF permit is essential for maintaining regulatory alignment and supporting the conservation goals of the MSHCP. Continuing projects that meet NDF permit requirements is critical for ensuring legal compliance with the permit.



Sticky buckwheat. Photo from Ironwood field surveys. 2017-IRONWOOD-1735A.

CONTRACT 1**Contract Title:**

CSCK Reports for State-Listed Plants

Contract Number:

1735A

Vendor:

Ironwood Consulting, Inc.

Contract Status:

In progress

Contract Term:

12/2/2024 – 6/30/2026

Contract Amount:

\$45,180.00

Funding Source:

S10 17-19

Accomplishments:

- Began communications with experts on the three target plant taxa for this project: threecorner milkvetch (*Astragalus geyeri var. triquetrus*), Blue Diamond cholla (*Cylindropuntia multigeniculata*), and sticky buckwheat (*Eriogonum viscidulum*) to gather as much information as possible.
- Started assembling geospatial data, reports, and other publications from a variety of sources to inform the reports.
- Started preparation of all three reports for the target taxa.



Threecorner milkvetch. Photo from Ironwood field surveys. 2017-IRONWOOD-1735A.



Sticky buckwheat. Photo from Ironwood field surveys. 2017-IRONWOOD-1735A.

PROGRAM AREA

Conservation Projects

PROJECT

Niles Herbarium Data

DCP PROJECT CONTACT

John Ellis
Environmental Specialist
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BACKGROUND AND NEED FOR PROJECT

The Niles Herbarium is a vital botanical resource dedicated to the collection, preservation, and study of plant specimens from the Mojave Desert and surrounding regions. Serving as a scientific archive, the herbarium supports research in plant taxonomy, ecology, and conservation by maintaining a growing collection of voucher specimens that document the region's native and invasive flora. The herbarium plays a key role in supporting land management decisions, conservation planning, and environmental compliance by providing verified plant records and data. Through its efforts, the Niles Herbarium contributes to a greater understanding of desert ecosystems and promotes the long-term stewardship of southern Nevada's unique botanical diversity.



Specimen card from Niles Herbarium, *Astragalus funereus* Jones, Flora of Nevada, collected by J.A. Alexander, May 11 2004.



Specimen card from Niles Herbarium, *Arctomecon californica*, P. J. Leary, March 24 1977.

CONTRACT 1

Contract Title:

Niles Herbarium Data

Contract Number:

2090A

Vendor:

Nevada Division of Natural Heritage

Contract Status:

Completed

Contract Term:

9/30/2022 - 6/30/2024

Contract Amount:

\$60,000.00

Funding Source:

S10 21-23

Accomplishments:

- 1,789 specimens entered into Nevada Division of Natural Heritage's database, including 247 different species.
- Georeferenced two species located in the Nevada National Security Site (NNSS) previously deemed not possible with coordination from NNSS botanist.
- An additional 1,031 observations have been added or updated in the Biotics database.

CONTRACT 2

Contract Title:

Relocation of the Wesley E. Niles Herbarium

Contract Number:

2387A

Vendor:

College of Southern Nevada

Contract Status:

In progress

Contract Term:

5/21/2024 – 11/30/2025

Contract Amount:

\$26,130.00

Funding Source:

S10 23-25

Accomplishments:

- Compiled a list of relevant specimens.
- Acquired equipment to process specimens.
- Scanned and catalogued all SEnet specimens.
- Catalogued over 8,000 specimens.

ADAPTIVE MANAGEMENT PROGRAM

The Adaptive Management Program is the science-based foundation of the MSHCP. The program ensures that conservation actions are guided by data, evaluated for effectiveness, and continually improved over time. Adaptive management is a systematic approach to learning from outcomes, testing new ideas, analyzing results, and refining future actions to achieve better conservation results. This process allows the DCP to respond to changing conditions, scientific advances, and emerging environmental challenges while maintaining compliance with the federal incidental take permit.

Key components of the Adaptive Management Program include:

- Oversight from an independent Science Advisor, who evaluates MSHCP implementation and provides recommendations for improvement.
- A structured decision-making framework that breaks management decisions into clear, logical stages: problem definition, goal setting, alternative development, consequence evaluation, and implementation.
- A robust research and monitoring program designed to fill data gaps, track the health of Covered Species and habitats, and measure the success of conservation strategies.

Through adaptive management, the DCP ensures that decisions are transparent, data-driven, and forward-looking. This provides a continuous feedback loop that strengthens conservation outcomes and enhances the long-term success of the MSHCP.

Arizona bell's vireo (*Vireo bellii arizonae*) building a nest at Mormon Mesa Parcel 5-A during 2023 surveys.



PROGRAM AREA PROJECT DCP PROJECT CONTACT

Adaptive Management Program (AMP)
AMP Implementation
Scott Cambrin
Senior Biologist
702-455-3859
Scott.cambrin@clarkcountynv.gov

BACKGROUND AND NEED FOR PROJECT

Adaptive management is a cornerstone of the Clark County MSHCP, providing a science-based framework for adjusting conservation strategies in response to new information, changing conditions, and observed outcomes. The Adaptive Management Program was established to ensure that decisions related to species and habitat management are continually informed by monitoring, evaluation, and research. This approach is essential to meeting the MSHCP's long-term biological goals and maintaining compliance with the associated Section 10 Incidental Take Permit.

The Mojave Desert ecosystem is highly dynamic, with species and habitats subject to stressors such as drought, invasive species, wildfire, and urban development. As such, conservation strategies must be flexible and responsive to emerging threats and shifting ecological conditions. The Adaptive Management Program enables the DCP to systematically evaluate the effectiveness of its actions, incorporate scientific findings, and make informed adjustments to improve outcomes for covered species and their habitats.

Ongoing investment in adaptive management is critical to sustaining a functional and accountable conservation strategy. By integrating monitoring data, research results, and performance metrics into a continuous decision-making cycle, the program enhances the effectiveness of conservation investments and ensures that management remains aligned with both ecological realities and regulatory requirements.

IN-HOUSE WORK, NO CONTRACT

ACCOMPLISHMENTS:

- Completed the lessons learned application for storing the success of project and contract deliverables and lessons learned. The application was populated with all projects that occurred during the 2023-2025 biennium.

The molt limit in the underwing coverts of a second-year male cowbird captured at Mesquite West in 2024. (Photo credit: Sarah Nichols, SWCA).



CONTRACT 1

Contract Title:
Science Advisor Panel

Contract Number:
1920A

Vendor:
Alta Sciences & Engineering, Inc.

Contract Status:
Completed

Contract Term:
2/1/2020 – 2/20/2024

Contract Amount:
\$550,000.00

Unspent Funds:
\$27,003.00

Funding Source:
S10 19-21

Accomplishments:

- Prepared a revised Adaptive Management and Monitoring Plan (AMMP) with Biological Goals and Objectives (BGOs).
- Prepared project concepts for consideration by DCP in the Implementation Planning and Budget (IPB) process.
- Completed a review of literature and study design for applying an herbivore deterrent to riparian plantings.
- Conducted analysis and prepared outline for upcoming peer-reviewed journal article submittal that will examine remote sensing methods on riparian habitats.
- Published the following peer-reviewed journal article— Harju, S.M., S.M. Cambrin. 2023. Designing a long-term occupancy monitoring plan for a cryptic reptile. *Journal of Herpetology*, 57:20-26.
- Published the following peer-reviewed journal article— Harju, S.M., S.M. Cambrin, K. Jenkins. 2023. Mapping low-elevation species richness and biodiversity in the eastern Mojave Desert. *Natural Areas Journal* 43:53-61.

CONTRACT 2

Contract Title:
Science Advisor Panel

Contract Number:
2320A

Vendor:
Alta Sciences & Engineering, Inc.

Contract Status:
In progress

Contract Term:
4/1/2024 – 1/31/2028

Contract Amount:
\$1,057,958.00

Funding Source:
S10 23-25

Accomplishments:

- Planned and held a Management Plan Workshop.
- Prepared project concepts for consideration by DCP in the IPB process.
- Completed an initial data analysis on the effect of herbivore deterrent on riparian plantings.
- Published the following peer-reviewed journal article— Harju, S.M., T.K. Harju, J. Berg, R. Alward, and S. Cambrin. 2025. High-resolution remote sensing for quantifying vegetation structure as avian habitat. *Wildlife Society Bulletin*, 49(1). DOI:10.1002/wsb.1571
- Submitted the following manuscript for peer-reviewed journal publication— Harju, S.M. and S.M. Cambrin. Provenance of translocated tortoises is associated with time to settlement and post-translocation survival. *Journal of Applied Ecology*, Submitted June 2025, In-review.
- Publishing (currently in-press) the following peer-reviewed journal article— Harju, S.M., S.M. Cambrin, and S. Ferrazzano. 2025. Ephemeral vegetation drivers of occupancy dynamics of Mojave desert tortoises (*Gopherus agassizii*). *Ecosphere*, In-press.

CONTRACT 3

Contract Title:
Eastern Mojave Conservation Collaborative Facilitation III

Contract Number:
2320B

Vendor:
Southwest Decisions Resources, Inc

Contract Status:
Completed

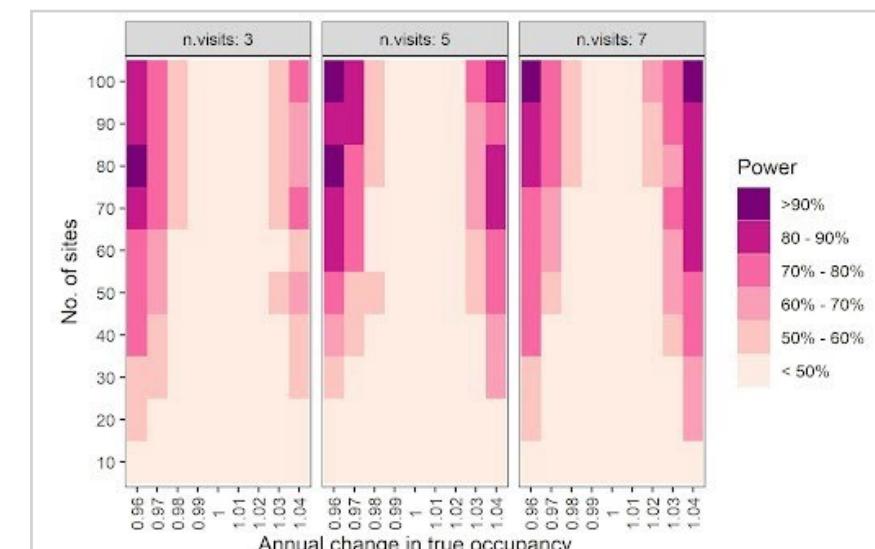
Contract Term:
1/30/2024 – 9/30/2024

Contract Amount:
\$5,000.00

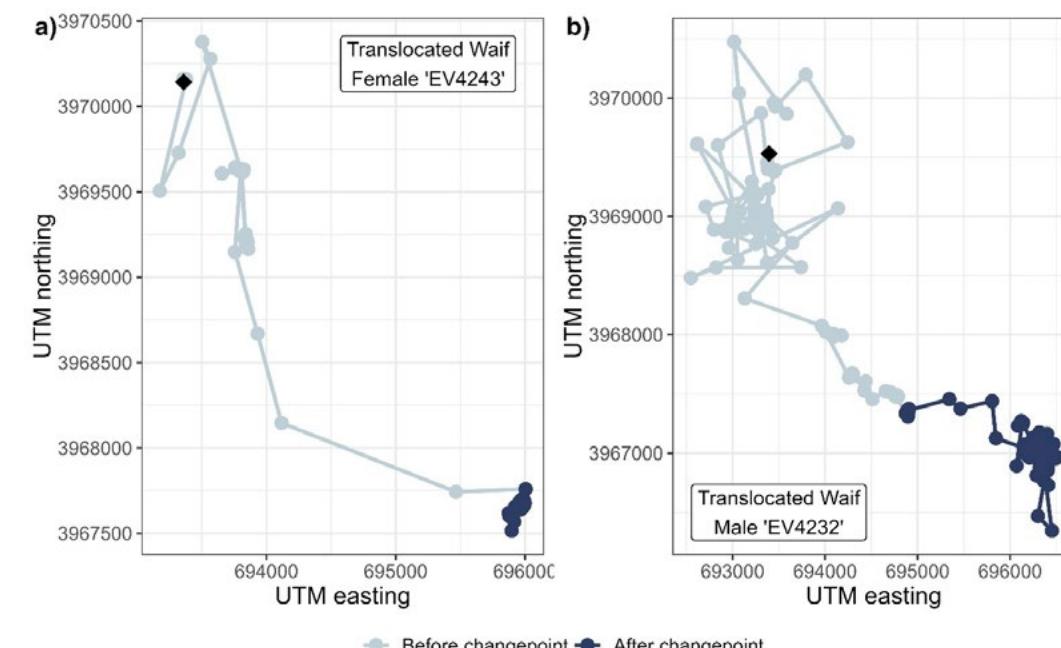
Funding Source:
S10 23-25

Accomplishments:

- Facilitated a meeting attended by Federal agencies, non-government organizations, and local municipalities to discuss the Eastern Mojave Conservation Collaborative's charter and potential ground water issues in the region.
- Developed notes for the meeting and distributed them to the participants.



Power to detect trends in across-site occupancy rates for three intra-season occupancy survey scenarios and 1-4% modeled changes in true occupancy of Mojave Desert tortoises.



Movement paths of two translocated waif Mojave desert tortoises released in southern Nevada, USA, in September 2017. The female (a) died in July 2017 and the male (b) was last seen alive in October 2024. Movement paths are symbolized by whether they were before or after the individual changepoint in persistence velocity (a) or log(net squared displacement)(b). Black diamonds are the release locations.

PROGRAM AREA

Adaptive Management Program (AMP)

PROJECT

Species and Habitat Monitoring

DCP PROJECT CONTACT

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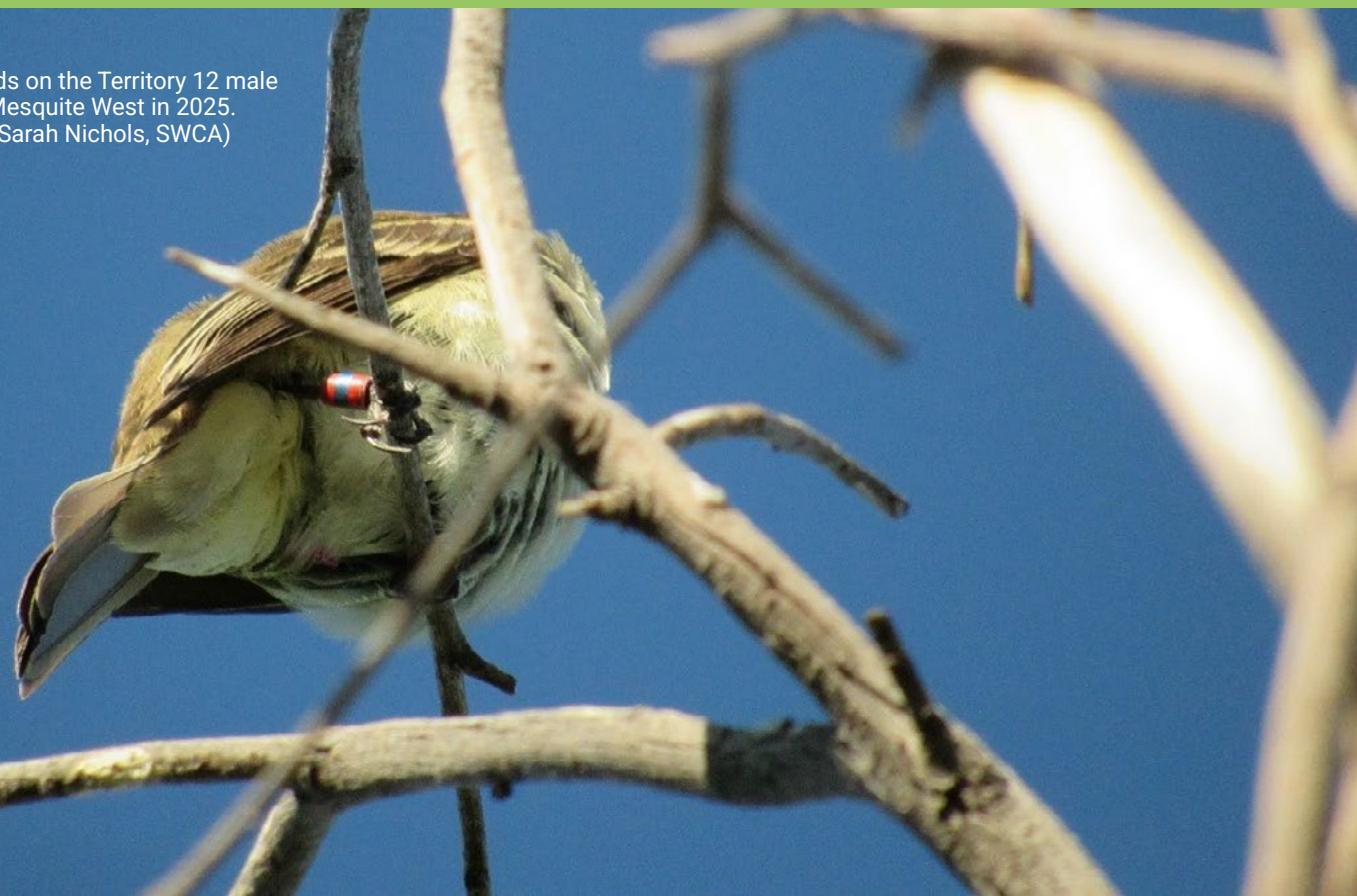
BACKGROUND AND NEED FOR PROJECT

Ongoing species and habitat monitoring is a cornerstone of the DCP's adaptive management strategy under the Clark County MSHCP. With 78 Covered Species and a diverse range of desert and riparian habitats, systematic monitoring provides the scientific foundation for evaluating conservation effectiveness, identifying ecological trends, and informing responsive management actions. The dynamic nature of environmental conditions, driven by factors such as urban development, climate variability, and invasive species, necessitates a data-driven approach to ensure that biological goals and objectives are being met. Monitoring activities help detect early signs of habitat degradation, shifts in species populations, or the need for intervention, allowing the DCP to adjust restoration methods, prioritize resource allocation, and meet Endangered Species Act compliance obligations. Without consistent and well-designed monitoring, the ability to adaptively manage natural resources and demonstrate mitigation success across the Reserve System would be significantly impaired.

IN-HOUSE WORK, NO CONTRACT**ACCOMPLISHMENTS:**

- Deployed 10 autonomous recording units across the Reserve System to test their use for augmenting or replacing point count surveys for avian species.
- Provided training for projects 2325A, 1920B, and 2325D.
- Collected six weeks of passive acoustic bat recording data at five Riparian Reserve sites in 2024.
- Collected four weeks of passive acoustic bat recording data at five BCCE sites in 2025.
- Stored digital bat recording data and site information for professional analysis next biennium.

The color bands on the Territory 12 male flycatcher at Mesquite West in 2025.
(Photo credit: Sarah Nichols, SWCA)

**CONTRACT 1****Contract Title:**

Range Wide Monitoring

Contract Number:

2325A

Vendor:

Great Basin Institute

Contract Status:

In progress

Contract Term:

4/24/2024 - 10/31/2028

Contract Amount:

\$2,033,970.00

Funding Source:

S10 23-25

Accomplishments:

- Completed training for all crews and telemetry technicians.
- Completed all 2025 transect and G0 telemetry monitoring including:
 - 239 transects surveyed
 - 39 tortoises observed
 - 110 carcasses observed
 - 813 G0 telemetry observations made
- Eight digital data uploads submitted.
- Completed and submitted the 2024 annual report.

CONTRACT 2**Contract Title:**

Data Management for Range-wide Monitoring

Contract Number:

2020N

Vendor:

US Fish & Wildlife Service (USFWS) -Las Vegas

Contract Status:

In progress

Contract Term:

5/3/2024 – 9/30/2026

Contract Amount:

\$51,516.50

Funding Source:

S10 21-23

Accomplishments:

- Provided training for range-wide monitoring crews to ensure they are all surveying correctly.
- Provided weekly assessments of the field crews to identify issues and adjust as needed.
- Provided second level QA/QC for the data collected for project 2325A.
- Analyzed the 2024 data collected under project 2325A and provided density estimates for the annual report.



Example of a plot line walked during AIM surveys.

CONTRACT 3

Contract Title:
DT Occupancy on the BCCE

Contract Number:
1920B (2020D 2390B,
2325C, 2390B)

Vendor:
Bio Logical, LLC.

Contract Status:
Completed

Contract Term:
2/1/2020 – 2/20/2024

Contract Amount:
\$493,834.50

Unspent Funds:
\$548.20

Funding Source:
S10 19-21

CONTRACT 4

Contract Title:
Occupancy and Drone
surveys on the BCCE

Contract Number:
2325D

Vendor:
Bio Logical, LLC

Contract Status:
In progress

Contract Term:
2/1/2025 – 12/1/2029

Contract Amount:
\$651,850.45

Funding Source:
S10 23-25

Accomplishments:

- Completed occupancy field surveys of 70 plots 3 times each.
- Completed drone surveys of 70 plots 3 times each.
- Located 41 tortoises during surveys.
- Located 21 active burrows and 1 den.
- Located 79 total reptiles during the surveys including 11 desert iguanas, 19 long-nosed lizards, and 15 sidewinders.
- Completed 2 annual reports and two annual data submittals for this project.

Accomplishments:

- Completed occupancy field surveys of 70 plots 3 times each.
- Completed drone surveys of 8 larger 500-acre plots 3 times each and delivered that data to the drone analysis contractor.
- Located 35 tortoises during the surveys.
- Located 45 active burrows and two dens.
- Located 48 reptiles including 8 desert iguanas and 3 long-nosed lizards.



CONTRACT 5

Contract Title:
Drone Survey Analysis

Contract Number:
2390A

Vendor:
Resi Solutions LLC

Contract Status:
Completed

Contract Term:
3/1/2024 – 11/15/2024

Contract Amount:
\$23,836.00

Funding Source:
S10 23-25

CONTRACT 6

Contract Title:
Drone Survey Analysis 2025

Contract Number:
2390C

Vendor:
Resi Solutions LLC

Contract Status:
In progress

Contract Term:
3/15/2025 – 11/15/2025

Contract Amount:
\$20,000.00

Funding Source:
S10 23-25

Great horned owl (*Bubo virginianus*) at
Mesquite Parcel 1-A during 2024 surveys.

Accomplishments:

- Collected and analyzed 17,294 drone photos collected over 34 field survey days.
- Detected six adults and one juvenile tortoise.
- Detected 16 tortoise burrows; burrows were judged to be active or in good condition.
- Estimated tortoise population in the surveyed area using line distance sampling methods.



CONTRACT 7

Contract Title:

Assessment, Inventory, and Monitoring on the BCCE

Contract Number:

2020L

Vendor:

Great Basin Institute

Contract Status:

In progress

Contract Term:

3/1/2024 – 9/5/2027

Contract Amount:

\$52,800.00

Unspent Funds:

\$548.20

Funding Source:

S10 21-23

Accomplishments:

- Surveyed 14 plots and collected habitat, plant, and soil data using the core methods of the AIM protocol.
- Surveyed 14 plots of forb diversity for each plot.
- Conducted rigorous data quality control checks following data collection activities.



Example of a tortoise burrow detected from an aerial photograph.



Example of a tortoise detected from an aerial photograph on the BCCE.

CONTRACT 8

Contract Title:

Parasitism Control and Eval

Contract Number:

1935A (1750N, 2060B)

Vendor:

SWCA Environmental Consultants

Contract Status:

In progress

Contract Term:

4/17/2023 – 12/31/2025

Contract Amount:

\$281,065.42

Funding Source:

S10 19-21

Accomplishments:

Beginning July 1, 2023

- Completed monitoring for southwestern willow flycatcher (*Empidonax traillii extimus*, SWFL) and cowbird (*Molothrus ater*) control.
- Six successful nests produced 11 fledglings at Mesquite West.
- Netted one additional cowbird.
- Banded one additional adult and 10 nestlings.

In 2024:

- Completed combined-method cowbird control at Mesquite West. A total of ten females were removed during cowbird netting activities. Cowbird parasitism on SWFL nests was 9%.
- Completed SWFL surveys and monitoring at Mesquite West. Nest success was 58%; eighteen nestlings were confirmed to have fledged.
- Reported the highest SWFL fecundity since monitoring began at Mesquite West in 2003: 2.83 young were produced per female.
- Four adult SWFL and 19 nestlings were banded.

In 2025:

- Completed three on-call avian survey tasks: fence surveys at Bunkerville East and Bunkerville West (Work Authorization Form [WAF] 001); nesting bird surveys at Bunkerville West prior to restoration planting (WAF 002); and nesting bird surveys at Bunkerville West and Muddy River in advance of Integrated Pest Management Team weed treatments (WAF 003).
- Completed SWFL monitoring at Mesquite West and at Mormon Mesa Parcel 5-A.
- Detected ten SWFL territories at Mesquite West, consisting of eight pairs and two unpaired males. The pairs have had eight nesting attempts, one of which has failed and seven of which are currently active.
- Two SWFL territories (one pair and one single male) have been detected just north of the Mormon Mesa Parcel 5-A boundary.
- Removed 14 female cowbirds from Mesquite West. Replaced one cowbird egg with a fake egg.
- Banded one male at Mormon Mesa Parcel 5-A. Three nestlings from one nest have been banded at Mesquite West.
- SWFL territories and nests will continue to be monitored until the last nest is vacated, or August 15, whichever comes first.

CONTRACT 9

Contract Title:

Avian Surveys

Contract Number:

2020E (1730P, 1920D, 1920E)

Vendor:

SWCA Environmental Consultants

Contract Status:

Completed

Contract Term:

4/18/2019 – 12/28/2023

Contract Amount:

\$496,556.00

Unspent Funds:

\$4,291.78

Funding Source:

S10 21-23

CONTRACT 10

Contract Title:

Avian Surveys - AMP Monitoring 2024-2027

Contract Number:

2325B

Vendor:

SWCA Environmental Consultants

Contract Status:

In progress

Contract Term:

12/14/2023 – 12/31/2027

Contract Amount:

\$465,289.00

Funding Source:

S10 23-25

Accomplishments:

- Conducted the fourth and fifth rounds of SWFL surveys at the Riparian Reserves. The previous three rounds were conducted in the previous biennium.
- Conducted second, third, and fourth rounds of yellow billed cuckoo (*Coccyzus americanus*, YBCU) surveys at DCP Riparian Reserves. The first round was conducted in the previous biennium.
- Produced finalized data as an Access database and ESRI geodatabase.
- Produced a final report for the 2023 survey season.

CONTRACT 11

Contract Title:

Bat Recording Analysis

Contract Number:

2020J (1920H)

Vendor:

SWCA Environmental Consultants

Contract Status:

Completed

Contract Term:

9/28/2023 – 6/30/2024

Contract Amount:

\$24,979.00

Funding Source:

S10 23-25

Associated Purchase Orders

PO Number	Vendor	PO Title	PO Amount	Funding Source
2020M	Titley Scientific, LLC	Bat Detector Servicing	\$560.00	S10 21-23
2325E	Wildlife Acoustics, Inc.	Acquisition of Avian Acoustic Recorders	\$6,451.88	S10 23-25
2325F	CDW Government, Inc	Acquisition of SD Memory Cards	\$1,011.34	S10 23-25
2325G	Cornell Laboratory of Ornithology	Acquisition of Raven Pro Software License	\$100.00	S10 23-25

A close-up, low-angle photograph of a tortoise's head and neck. The tortoise has a light brown, textured shell with distinct radiating lines. Its head is dark brown with a patterned, almost mottled, skin texture. The eye is a small, dark, circular opening. The neck is long and dark, contrasting with the lighter shell. The background is out of focus, showing more of the tortoise's body and shell.

4

TORTOSIE
DISPOSITION



WILD DESERT TORTOISE DISPOSITION SUMMARY

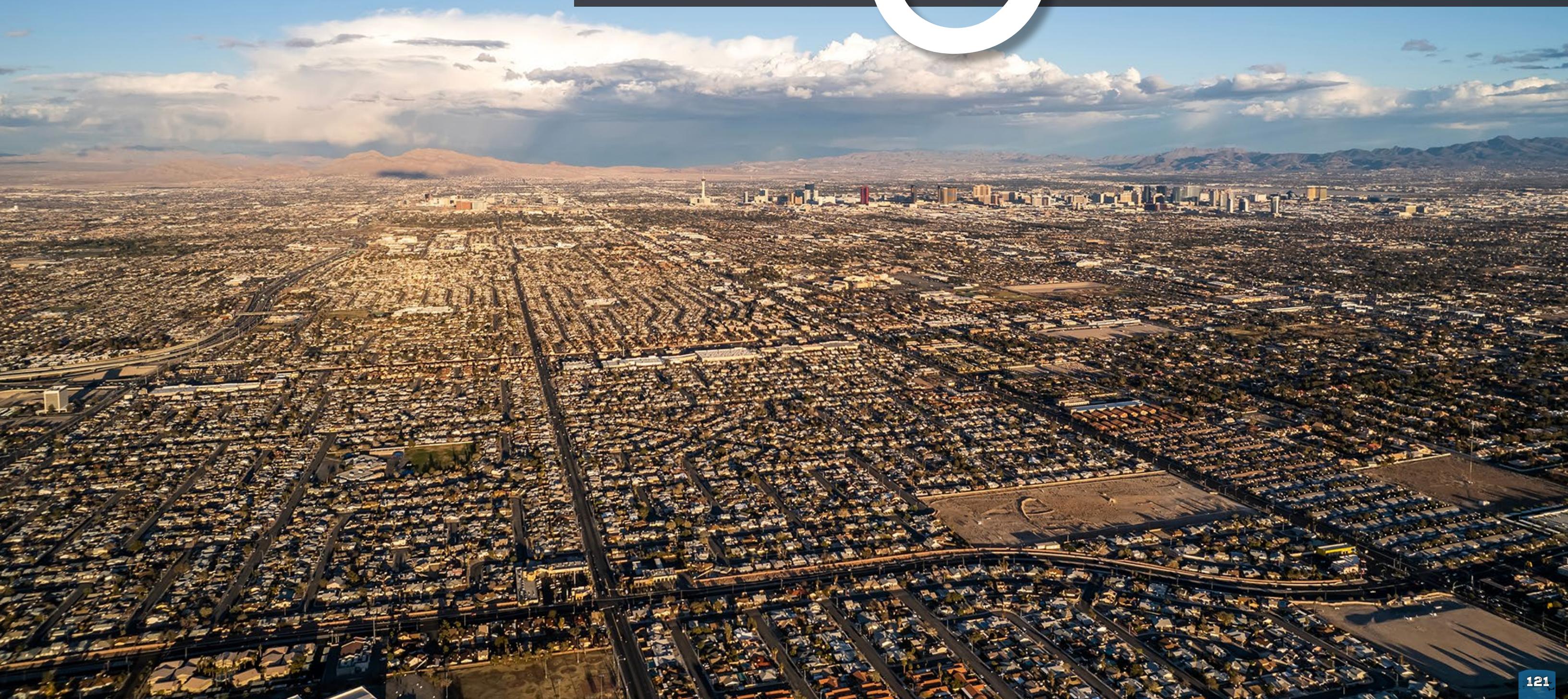
Clark County's responsibilities regarding desert tortoise collection were established in the 1995 Desert Conservation Program Plan and the 2001 MSHCP and associated Section 10 Permit (#TE034927-0). The Desert Conservation Program Plan outlines the requirement to provide a pickup service to handle desert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

The DCP 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 USFWS. Ultimate disposition of these tortoises is at the discretion of the USFWS.

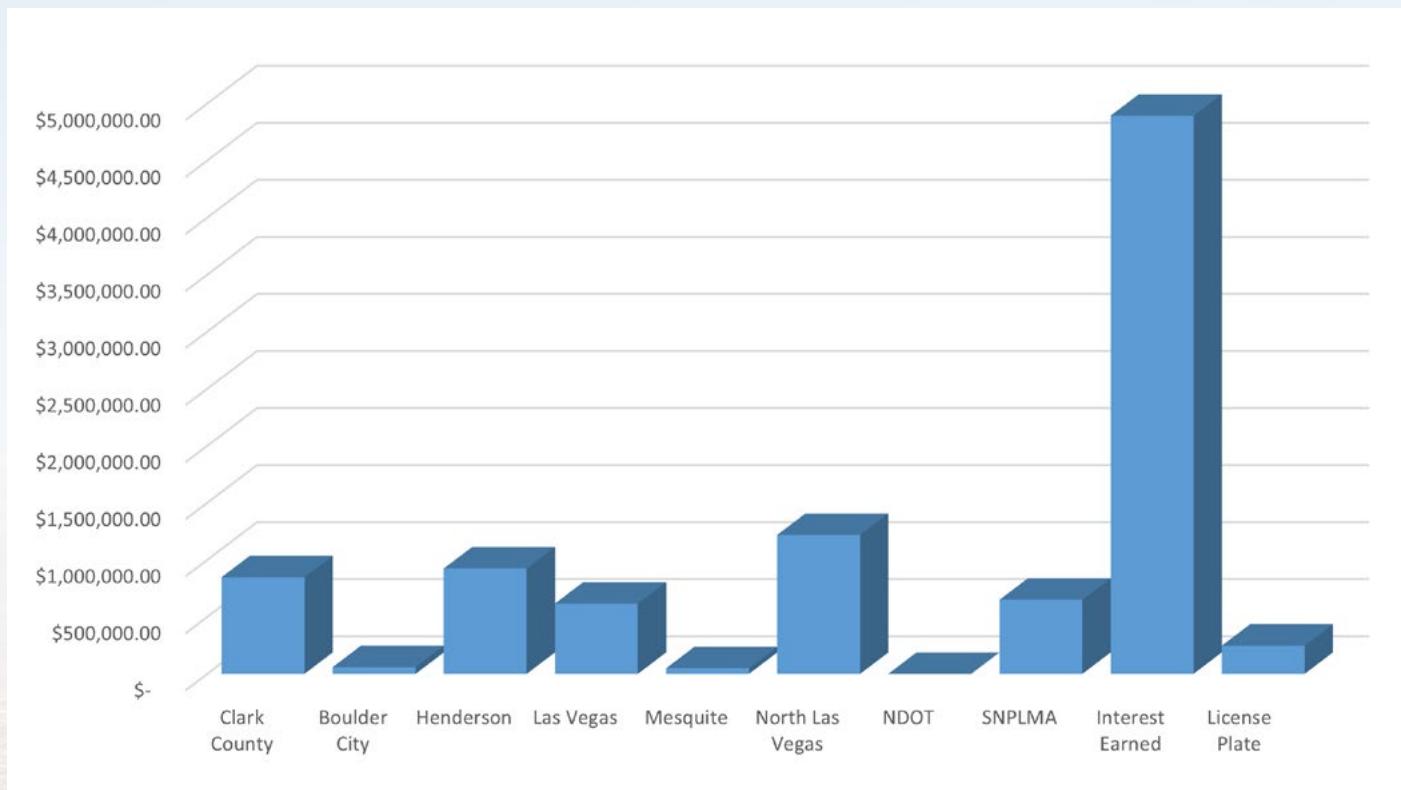
During the 2023-2025 biennium, the program received 105 calls on the Wild Desert Tortoise Assistance Line and a total of two desert tortoises were collected (both adults). DCP also provided assistance to the USFWS and the Greenlink West project developers to remove tortoises located during a voluntary survey effort. During the biennium, four desert tortoises that had previously been taken in through the hotline were released to the BCCE. Six tortoises were removed from the Greenlink West project site and were ultimately translocated to a USFWS approved site near Red Rock Canyon National Conservation Area. For further information on wild desert tortoise assistance, refer to the project reports section of this report, program area: Wild Desert Tortoise Assistance.

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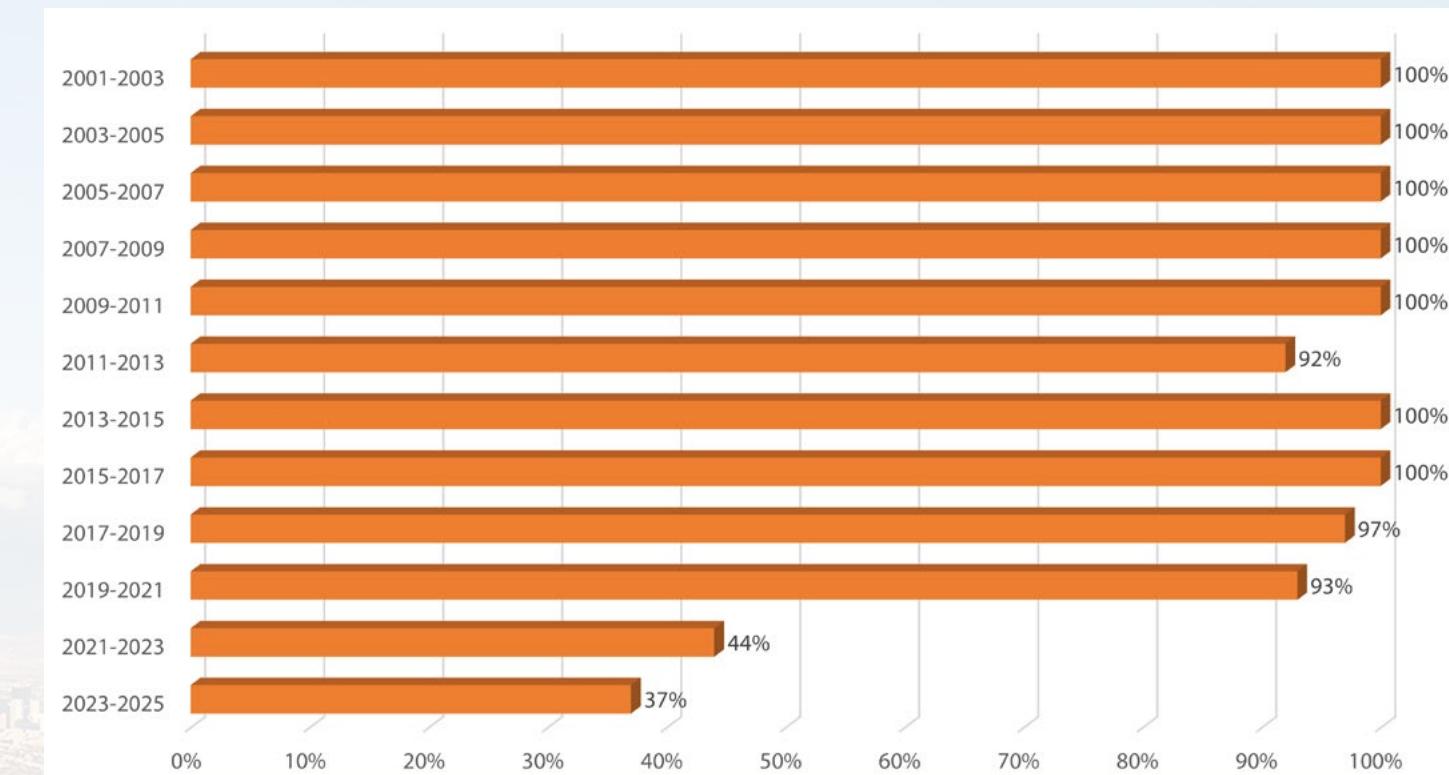
FINANCIAL REPORTING



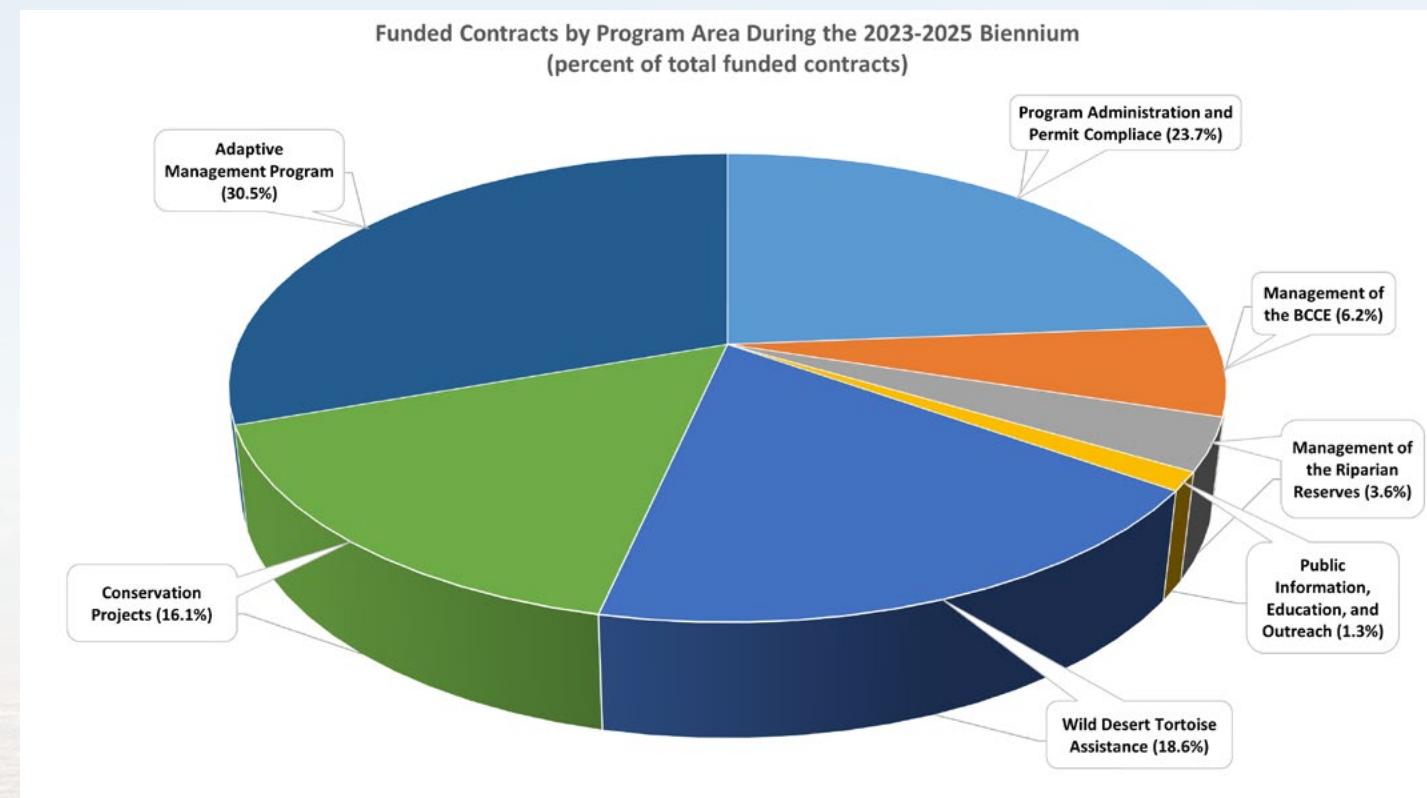
REVENUE BY SOURCE



PERCENT COMPLETE BY BIENNIUM



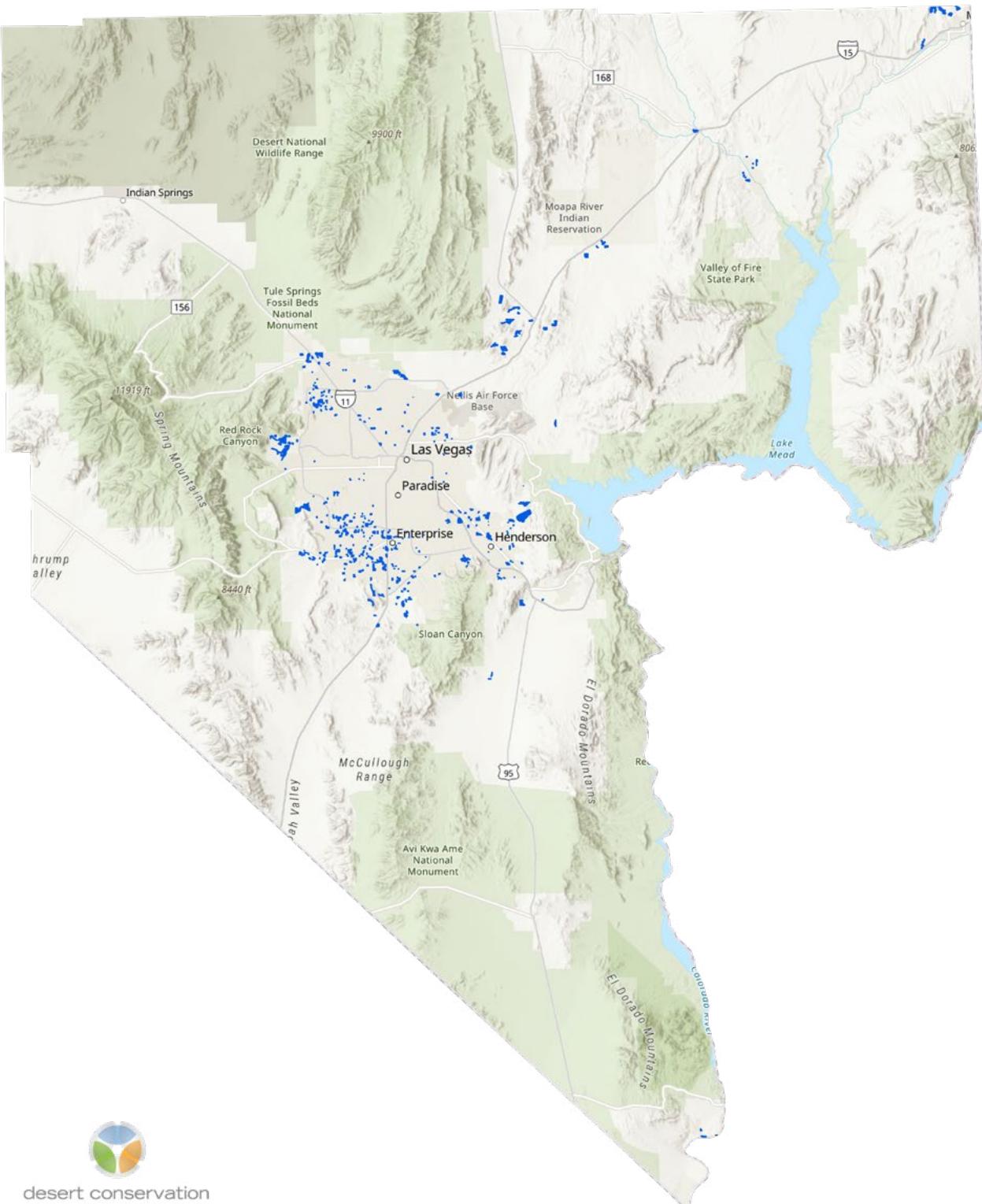
CONTRACT FUNDING BY PROGRAM AREA



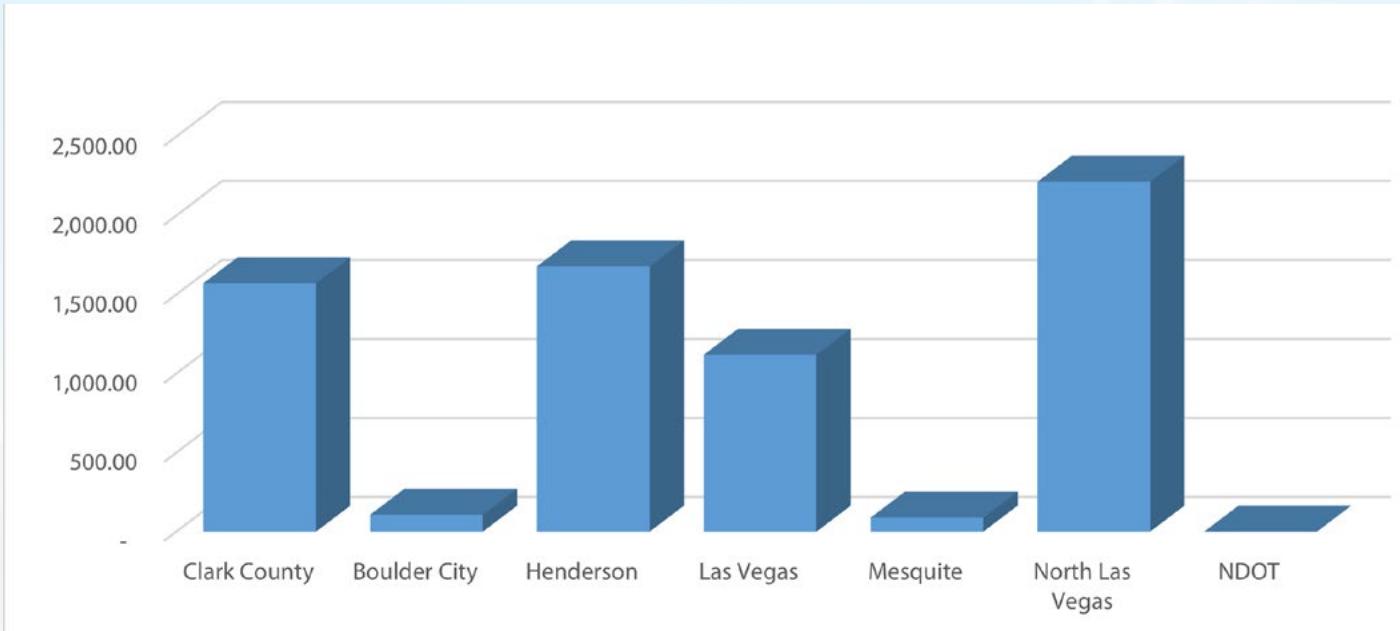
A wide-angle photograph of a desert landscape at sunset. The sky is filled with soft, pastel-colored clouds in shades of pink, orange, and blue. In the foreground, there are several large, colorful rock formations with various textures and patterns. A prominent feature on the left is a rock with several large, circular holes. The ground is a mix of reddish-brown sand and patches of green desert vegetation, including small shrubs and yucca plants. The overall atmosphere is serene and natural.

6

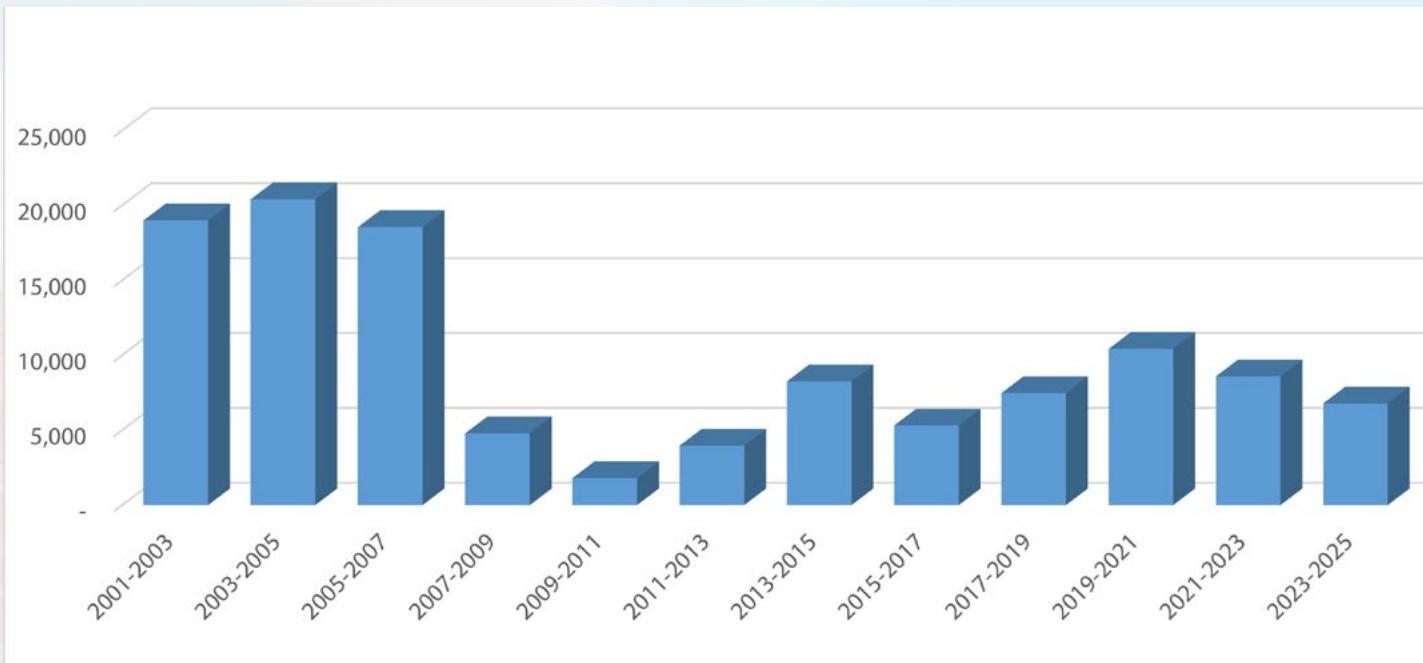
LAND DISTURBANCE REPORT



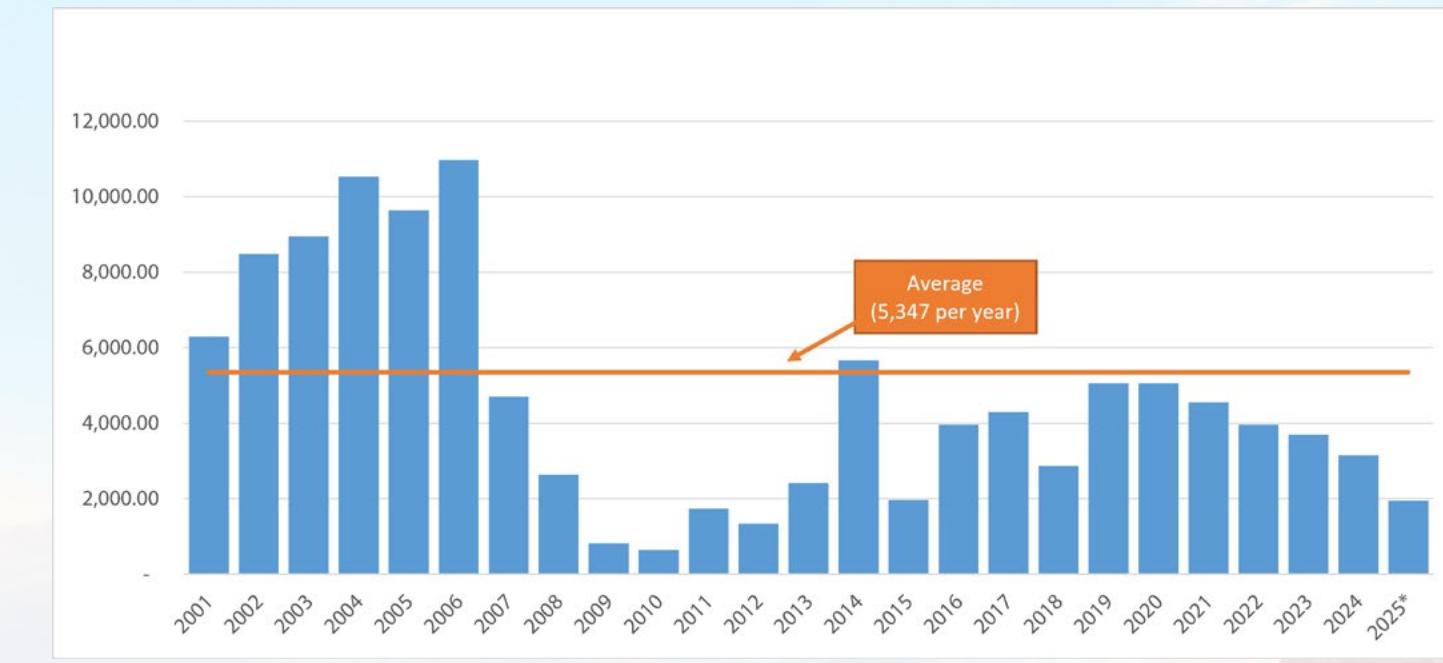
ACRES OF DISTURBANCE
(2023-2025 BIENNIAL)



ACRES OF DISTURBANCE (BY BIENNIA)*



ACRES OF DISTURBANCE (BY CALENDAR YEAR)



*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.

*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.



PROJECT INDEX TABLES

SORTED BY CONTRACTOR

Contractor	Project Number	Contract Title	Contract Start Date	Contract End Date	Total Contract Amount	Funding Source	Project ID
4AllPromos	1940D	Promotional Materials for DCP Programs	08/29/2023	06/30/2024	\$9,644.70	S10 19-21	PIE Project 2
4AllPromos	1940F	Acquisition of Promotional Materials	02/05/2024	06/30/2024	\$2,350.00	S10 19-21	PIE Project 2
4AllPromos	1945B	Promotional Materials for DCP/Mo Max Programs	05/06/2024	06/30/2024	\$1,171.47	S10 19-21	PIE Project 1
Alta Sciences & Engineering, Inc.	1920A	Science Advisor Panel	02/01/2020	02/20/2024	\$1,101,236.00	S10 19-21	AMP Project 1
Alta Sciences & Engineering, Inc.	2320A	Science Advisor Panel	04/01/2024	01/31/2026	\$532,958.00	S10 23-25	AMP Project 1
American Express	2005H	Reserves Maint. Materials & Tools FY24	07/01/2023	06/30/2024	\$2,169.71	S10 21-23	BCCE Project 1
American Express	2005K	Reserves Maint. Materials & Tools FY25	07/30/2024	06/30/2025	\$2,400.00	S10 21-23	BCCE Project 1
Austin Peay State University	2350A	Gila Monster Genetic Sampling	2/24/2025	3/1/2026	\$85,000.00	S10 23-25	Prog Admin Project 3
B & H Photo	2050G	Acquisition of Camera Supplies	10/03/2024	06/30/2025	\$134.98	S10 21-23	Cons Project 1
B & H Photo	2050H	Acquisition of Camera Supplies	11/20/2024	06/30/2025	\$1,018.68	S10 21-23	Cons Project 1
BEC Environmental, Inc.	2095D	Pocket Mouse Landscape Genomics	07/18/2022	10/20/2023	\$22,670.00	S10 21-23	Prog Admin Project 3
BEC Environmental, Inc.	2340A	Desert Pocket Mouse Threats Assessment & Population Monitoring	03/15/2024	06/30/2026	\$237,122.00	S10 23-25	Prog Admin Project 3
Berntsen International, Inc	2005J	BCCE Trail Signage	03/08/2024	06/30/2024	\$870.24	S10 21-23	BCCE Project 1
Bio Logical, LLC	1920B	DT Occupancy on the BCCE	02/01/2020	02/20/2024	\$191,693.00	S10 19-21	AMP Project 2
Bio Logical, LLC	2020D	Desert Tortoise Occupancy (w/2325C)	02/01/2022	01/31/2025	\$484,834.50	S10 21-23	AMP Project 2
Bio Logical, LLC	2325D	Occupancy and Drone surveys on the BCCE	2/1/2025	12/31/2029	\$156,289.50	S10 23-25	AMP Project 2
Bio Logical, LLC	2390B	DT Occupancy on the BCCE	03/14/2024	06/30/2025	\$46,580.26	S10 23-25	AMP Project 2
Bluetrack, Inc	1940H	Acquisition of DT Stress Balls	08/27/2024	06/30/2025	\$11,125.00	S10 19-21	PIE Project 1
Boulder City Conservation Easement Law Enforcement	2005C	BCCE Law Enforcement	11/2/2021	8/30/2026	\$118,528.52	S10 21-23	BCCE Project 1
Boulder City Conservation Easement Law Enforcement	2305A	BCCE Law Enforcement	07/18/2023	08/30/2026	\$242,896.55	S10 23-25	BCCE Project 1
CDW Government, Inc	2050F	Acquisition of Camera Supplies	04/23/2024	06/30/2024	\$181.80	S10 21-23	Cons Project 1
CDW Government, Inc	2325F	Acquisition of SD Memory Cards	02/21/2025	06/30/2025	\$1,011.34	S10 23-25	AMP Project 2
Cogan Technology Inc	1965A	Vegetation Map for Clark County (w/1460G)	07/01/2020	05/31/2024	\$400,000.00	S10 19-21	Prog Admin Project 3
Cogan Technology Inc	2092A	Vegetation Map for CC (w/1965A)	07/08/2020	05/31/2024	\$393,983.96	S10 21-23	Prog Admin Project 3
College of Southern Nevada	2387A	Relocation of the Wesley E. Niles Herbarium	5/21/2024	11/30/2025	\$26,130.00	S10 23-25	Cons Project 3
Cornell Laboratory of Ornithology	2325G	Acquisition of Raven Pro Software License	05/15/2025	06/30/2025	\$100.00	S10 23-25	AMP Project 2
Dell Marketing LP	2300E	Acquisition of Laptops	07/01/2023	06/30/2024	\$4,092.00	S10 23-25	Prog Admin Project 1
Dell Marketing LP	2300R	Acquisition of Laptop TRP	03/27/2025	06/30/2025	\$3,774.00	S10 23-25	Prog Admin Project 1
Desert Research Institute	2047A	LV Bearpoppy Rest Research at Rainbow Gardens	06/17/2025	04/30/2027	\$243,605.50	SNPLMA R18	Cons Project 1
Diversified Consulting Services Inc	2300F	MSHCP Construction Management Services	07/18/2023		\$250,000.00	S10 23-25	Prog Admin Project 1
Eagle View Contractors, Inc.	1910E	Riparian Reserves Maintenance	09/01/2022	04/30/2024	\$100,000.00	S10 19-21	Riparian Project 1
Eagle View Contractors, Inc.	2010B	Riparian Reserves Unit Maintenance	04/23/2024	12/31/2025	\$100,000.00	S10 21-23	Riparian Project 1
Ebbin Moser & Skaggs, LLP	1970C	Legal Services for DCP (w/2315)	3/7/2022	12/31/2026	\$47,631.56	S10 19-21	Prog Admin Project 2
Ecocentric, LLC	803F	DT Health Assess and Pickup Svc Support	01/02/2019	12/31/2023	\$99,390.00	S10 09-11	Wild DT Project 1
Ecocentric, LLC	2330B	DT Health Assessment and Care (w803)	5/7/2024	12/31/2026	\$44,355.34	S10 23-25	Wild DT Project 1
EcoCulture	2050C	Evaluation of Herbivore Deterrent	3/1/2024	12/31/2025	\$154,800.00	S10 21-23	Cons Project 1
EcoCulture	2050J	Thermal Refugia Restoration	3/17/2025	8/30/2025	\$22,000.00	S10 21-23	Cons Project 1
EcoCulture	2070A	Evaluation of Screwbean Mesquite Ecosystem	5/10/2023	11/30/2025	\$100,000.00	S10 21-23	Cons Project 1
Economic & Planning Systems, Inc.	2095E	Funding Analysis of the MSHCP Amend (w1460 & 2315)	09/19/2022	10/15/2024	\$139,000.00	S10 21-23	Prog Admin Project 2
Facque Consulting LLC	1910F	Water Rights Consulting	2/15/2023	9/30/2025	\$25,212.00	S10 19-21	Riparian Project 4
Fidelity National Title	917S	Chain of Title	08/07/2023	06/30/2024	\$1,500.00	S10 11-13	Riparian Project 2
Forestry Suppliers	2300H	Acquisition of Satellite GPS	02/07/2024	06/30/2024	\$622.84	S10 23-25	Prog Admin Project 1
Get Outdoors Nevada (OLVF)	1915H	Mojave Max Education Program (w1715)	09/01/2022	08/31/2023	\$97,650.00	S10 19-21	PIE Project 1
Get Outdoors Nevada (OLVF)	1940B	Mojave Max Education Program (w1770)	10/30/2023	08/31/2025	\$0.00	S10 19-21	PIE Project 1

SORTED BY CONTRACTOR

Contractor	Project Number	Contract Title	Contract Start Date	Contract End Date	Total Contract Amount	Funding Source	Project ID
Gothic Landscape, Inc	2005E	BCCE Maintenance	02/01/2022	08/31/2023	\$50,000.00	S10 21-23	BCCE Project 1
Gothic Landscape, Inc	2305B	BCCE Maintenance	08/06/2024	06/30/2025	\$85,000.00	S10 23-25	BCCE Project 1
Grainger	2005L	Acquisition of BCCE Maintenance Supplies	09/16/2024	06/30/2025	\$597.85	S10 21-23	BCCE Project 1
Grainger	2005N	BCCE Maintenance Supplies	12/10/2024	06/30/2025	\$437.42	S10 21-23	BCCE Project 1
Grainger	2050D	Riparian Reserve Unit Fasteners	03/26/2024	06/30/2024	\$59.19	S10 21-23	Riparian Project 1
Grainger	2050L	Herbivore Deterrent Supplies	03/27/2025	06/30/2025	\$166.93	S10 21-23	Cons Project 1
Great Basin Institute	1741A	Eldorado Valley Post Translocation Surveys	11/01/2022	11/30/2024	\$405,565.00	SNPLMA R17	Wild DT Project 1
Great Basin Institute	2020L	Assessment, Inventory, and Monitoring on the BCCE	03/01/2024	09/05/2027	\$52,800.00	S10 21-23	AMP Project 2
Great Basin Institute	2030A	BCCE DT Telemetry & Health Assess (w/1740C & 1930B)	11/15/2021	12/28/2023	\$251,561.66	S10 21-23	Wild DT Project 1
Great Basin Institute	2325A	Range Wide Monitoring	4/24/2024	12/31/2025	\$748,415.00	S10 23-25	AMP Project 2
Great Basin Institute	2330A	BCCE Post-Translocation Telemetry (w2030 & 2020)	04/01/2024	12/31/2025	\$283,414.66	S10 23-25	Wild DT Project 1
Hardshell Labs Inc	2362A	Subsidized Predator Management at the BCCE	03/01/2024	02/15/2025	\$148,862.00	S10 23-25	BCCE Project 1
Helena Chemical Company	2050B	Acquisition of Herbivore Deterrent	02/20/2024	06/30/2024	\$564.96	S10 21-23	Cons Project 1
Helena Chemical Company	2050E	Acquisition of Herbivore Deterrent	04/18/2024	06/30/2024	\$1,694.87	S10 21-23	Cons Project 1
Helena Chemical Company	2050G	Acquisition of Herbivore Deterrent	8/5/2024	6/30/2025	\$616.00	S10 21-23	Cons Project 1
IFA Las Vegas Country Store	1910G	Acquisition of Gates	12/11/2024	06/30/2025	\$564.98	S10 19-21	Riparian Project 1
Inspire By Design	1940N	Mojave Max Program Giveaways	05/20/2025	06/30/2025	\$5,847.50	S10 19-21	PIE Project 1
Inspire By Design	2300A	Uniform Apparel FY24	07/01/2023	06/30/2024	\$600.00	S10 23-25	Prog Admin Project 1
Inspire By Design	2300L	Uniform Apparel FY25	07/01/2024	06/30/2025	\$600.00	S10 23-25	Prog Admin Project 1
Ironwood Consulting, Inc.	1735A	CSCK Reports for State-Listed Plants	12/2/2024	6/30/2026	\$45,180.00	S10 17-19	Cons Project 2
Ironwood Consulting, Inc.	1942A	Rare Plant and Milkweed Surveys	03/10/2023	12/31/2023	\$250,000.00	S10 19-21	Prog Admin Project 3
Ironwood Consulting, Inc.	2080A	Blue Diamond Cholla Surveys	08/01/2022	04/30/2024	\$360,000.00	S10 21-23	Prog Admin Project 3
JNJ Engineering Construction Inc	1975A	Tule Springs Monument Fence (w/804, 1525, 1725, 1780)	04/01/2021	10/30/2023	\$306,020.00	S10 19-21	Wild DT Project 2
Las Vegas Character Parties	1770T	Mojave Max Mascot Appearances	03/01/2024	04/30/2025	\$20,000.00	S10 17-19	PIE Project 1
Las Vegas Character Parties							

SORTED BY CONTRACTOR

Contractor	Project Number	Contract Title	Contract Start Date	Contract End Date	Total Contract Amount	Funding Source	Project ID
Red Wing Shoe Store	2300C	Lot 4 -Safety Shoes for Staff FY24	07/01/2023	06/30/2024	\$550.00	S10 23-25	Prog Admin Project 1
Resi Solutions LLC	2390A	Drone Survey Analysis	03/01/2024	11/15/2024	\$23,836.00	S10 23-25	AMP Project 2
Resi Solutions LLC	2390C	Drone Survey Analysis 2025	3/15/2025	11/15/2025	\$20,000.00	S10 23-25	AMP Project 2
SHOES FOR CREWS LLC	2300K	Safety Shoes for Staff FY25	07/01/2024	12/20/2024	\$675.00	S10 23-25	Prog Admin Project 1
Skyhigh Marketing	1940P	Mojave Max Program Giveaways	05/20/2025	06/30/2025	\$4,237.50	S10 19-21	PIE Project 1
Southern Utah University - Dept of Geosciences	2380A	Edaphic Components of LV Bearpoppy Habitat	11/21/2023	12/31/2025	\$241,300.00	S10 23-25	Cons Project 1
Southwest Decisions Resources, Inc	2315E	Public Outreach and Stakeholder Engagement	11/01/2024	05/01/2025	\$45,609.00	S10 23-25	Prog Admin Project 2
Southwest Decisions Resources, Inc	2315J	Facilitation for AMM Work Group (w2095)	5/8/2025	12/31/2025	\$34,980.00	S10 23-25	Prog Admin Project 2
Southwest Decisions Resources, Inc	2320B	Eastern Mojave Conservation Collaborative Facilitation III	01/30/2024	09/30/2024	\$5,000.00	S10 23-25	AMP Project 1
Staples	2300D	Office Supplies FY24	07/01/2023	06/30/2024	\$5,000.00	S10 23-25	Prog Admin Project 1
Staples	2300N	Office Supplies FY25	07/01/2024	06/30/2025	\$5,000.00	S10 23-25	Prog Admin Project 1
SWCA Environmental Consultants	1750D	Archeological Resource Eval on Rip Rsv Parcels	9/15/2020	8/31/2025	\$50,000.00	S10 17-19	Riparian Project 3
SWCA Environmental Consultants	1920H	Bat Recording Analysis (w2020)	09/28/2023	06/30/2024	\$17,725.00	S10 19-21	AMP Project 2
SWCA Environmental Consultants	1935A	Parasitism Control and Eval (w/1750&1935)	4/17/2023	12/31/2025	\$281,065.42	S10 19-21	AMP Project 2
SWCA Environmental Consultants	2020E	Avian Surveys	12/19/2021	12/28/2023	\$211,242.00	S10 21-23	AMP Project 2
SWCA Environmental Consultants	2057A	Piute Eldorado Restoration Planning	3/1/2024	11/30/2025	\$126,185.39	SNPLMA R18	Wild DT Project 3
SWCA Environmental Consultants	2095C	Bat Surveys	04/07/2022	07/13/2023	\$91,162.00	S10 21-23	Prog Admin Project 3
SWCA Environmental Consultants	2315A	Bat Surveys - Renewal Option	07/18/2023	12/30/2024	\$96,018.00	S10 23-25	Prog Admin Project 3
SWCA Environmental Consultants	2315F	Analysis of Bat Acoustic Data for the MSHCP Amend V2	10/24/2024	10/01/2025	\$22,247.00	S10 23-25	Prog Admin Project 3
SWCA Environmental Consultants	2325B	Avian Surveys - AMP Monitoring 2024-2027	12/27/2023	12/31/2025	\$224,861.00	S10 23-25	AMP Project 2
Titley Scientific, LLC	2020M	Bat Detector Servicing	02/07/2024	06/30/2024	\$560.00	S10 21-23	AMP Project 2
Tortoise Group	2042A	Road Warriors DT Mortality & Fence Survey	02/14/2022	01/12/2024	\$70,000.00	S10 21-23	Wild DT Project 2
Tortoise Group	2335A	Road Warriors 2024-2025	03/11/2024		\$80,000.00	S10 23-25	Wild DT Project 2
United Site Services	1770U	Portable Rental for BCCE Clean Up	04/16/2024	06/30/2024	\$435.00	S10 17-19	PIE Project 2
United Site Services	1940J	Portable Restroom for BCCE Cleanup	09/30/2024	06/30/2025	\$435.00	S10 19-21	PIE Project 2
University of Nevada LV (UNLV) -School of Life Sci	1760C	Reevaluating Desert Upland Habitat Restoration	01/03/2023	06/10/2025	\$273,000.00	SNPLMA R17	Cons Project 1
University of Nevada LV (UNLV) -School of Life Sci	2340B	Pocket Mouse Conservation Physiology	11/5/2024	2/20/2026	\$62,721.00	S10 23-25	Prog Admin Project 3
University of Nevada LV (UNLV) -School of Life Sci	2395A	Autogenic Restoration at the BCCE	3/19/2024	10/31/2026	\$270,000.00	S10 23-25	Cons Project 1
University of Nevada Reno (UNR)	1782C	Model Updates 2023	05/02/2023	09/30/2024	\$79,128.00	SNPLMA R17	Prog Admin Project 3
University of Nevada Reno (UNR)	2315G	Covered Species Model Updates 2024	1/21/2025	12/15/2025	\$156,806.00	S10 23-25	Prog Admin Project 3
US Dept of Agriculture (USDA) -Agri Rsrch Service	2085A	Mojave Poppy Bee Surveys	03/01/2022	04/30/2024	\$100,000.00	S10 21-23	Prog Admin Project 3
US Fish & Wildlife Service (USFWS) -Las Vegas	2020N	Data Management for Range-wide Monitoring	05/03/2024	09/30/2026	\$51,516.50	S10 21-23	AMP Project 2
US Geological Survey (USGS) - Western Eco Rsrch Ctr	1990A	Rare Plant Propagation Research (w/809)	03/01/2020	12/16/2023	\$137,943.00	S10 19-21	Cons Project 1
US Geological Survey (USGS) - Western Eco Rsrch Ctr	2045A	Predator - Prey Dynamics Phase 2 w/2392A	10/18/2022	12/31/2025	\$769,842.00	S10 21-23	Wild DT Project 1

SORTED BY CONTRACTOR

Contractor	Project Number	Contract Title	Contract Start Date	Contract End Date	Total Contract Amount	Funding Source	Project ID
US Geological Survey (USGS) - Western Eco Rsrch Ctr	2075A	Rare Plant Propagation Research Phase II	1/17/2023	6/30/2027	\$628,573.00	S10 21-23	Cons Project 1
US Geological Survey (USGS) - Western Eco Rsrch Ctr	2315H	Assessing Gila Monster Genetic Diversity (w/1997D & 2350B)	05/07/2025	12/15/2026	\$12,499.62	S10 23-25	Prog Admin Project 3
US Geological Survey (USGS) - Western Eco Rsrch Ctr	2345A	Distribution and Threats to the AZ Toad in CC	4/2/2024	3/15/2026	\$310,121.00	S10 23-25	Prog Admin Project 3
US Geological Survey (USGS) - Western Eco Rsrch Ctr	2382A	Development of Resilient Plant Materials for Desert Restoration	1/1/2025	3/1/2027	\$312,754.00	S10 23-25	Cons Project 1
US Geological Survey (USGS) - Western Eco Rsrch Ctr	2385A	Seed Ecology of Threecorner Milkvetch	02/06/2024	12/21/2028	\$346,956.00	S10 23-25	Cons Project 1
Utah State University	1995A	Brome Reduction Study	11/14/2023	11/25/2025	\$21,612.00	S10 19-21	Cons Project 1
VMSI, Inc.	2360A	Web Accessible Data Portal Phase 1	03/21/2024	10/31/2024	\$5,500.00	S10 23-25	Prog Admin Project 3
Whitney's Water Systems, Inc	2010C	Well Maintenance	04/26/2024	06/30/2024	\$89.00	S10 21-23	Riparian Project 1
Wildlife Acoustics, Inc.	2325E	Acquisition of Avian Acoustic Recorders	01/28/2025	06/30/2025	\$6,451.88	S10 23-25	AMP Project 2
WirelessLinks	2005M	Acquisition of Updated GPS trackers for BCPD	10/21/2024	06/30/2025	\$3,059.00	S10 21-23	BCCE Project 1
WRA Environmental Consultants	1970B	HCP Consultant for the MSHCP Amendment (w2315D)	8/19/2021	12/31/2026	\$199,408.14	S10 19-21	Prog Admin Project 2
	917B	Cedar Development Ct Land Acquisition (35.92 Acres)	07/01/2014	06/30/2024	\$0.00	S10 11-13	Riparian Project 2

SORTED BY FUNDING SOURCE

Funding Source	Project Number	Contract Title	Contractor	Contract Start Date	Contract End Date	Total Contract Amount	Project ID
S10 09-11	803F	DT Health Assess and Pickup Svc Support	Ecocentric, LLC	01/02/2019	12/31/2023	\$99,390.00	Wild DT Project 1
S10 11-13	917S	Chain of Title	Fidelity National Title	08/07/2023	06/30/2024	\$1,500.00	Riparian Project 2
S10 11-13	917B	Cedar Development Ct Land Acquisition (35.92 Acres)		07/01/2014	06/30/2024	\$0.00	Riparian Project 2
S10 17-19	1735A	CSCK Reports for State-Listed Plants	Ironwood Consulting, Inc.	12/2/2024	6/30/2026	\$45,180.00	Cons Project 2
S10 17-19	1770T	Mojave Max Mascot Appearances	Las Vegas Character Parties	03/01/2024	04/30/2025	\$20,000.00	PIE Project 1
S10 17-19	1750D	Archeological Resource Evals on Rip Rsv	SWCA Environmental Consultants	9/15/2020	8/31/2025	\$50,000.00	Riparian Project 3
S10 17-19	1770U	Portable Rental for BCCE Clean Up	United Site Services	04/16/2024	06/30/2024	\$435.00	PIE Project 2
S10 19-21	1940D	Promotional Materials for DCP Programs	4AllPromos	08/29/2023	06/30/2024	\$9,644.70	PIE Project 2
S10 19-21	1940F	Acquisition of Promotional Materials	4AllPromos	02/05/2024	06/30/2024	\$2,350.00	PIE Project 2
S10 19-21	1945B	Promotional Materials for DCP/Mo Max Programs	4AllPromos	05/06/2024	06/30/2024	\$1,171.47	PIE Project 1
S10 19-21	1920A	Science Advisor Panel	Alta Sciences & Engineering, Inc.	02/01/2020	02/20/2024	\$1,101,236.00	AMP Project 1
S10 19-21	1920B	DT Occupancy on the BCCE	Bio Logical, LLC	02/01/2020	02/20/2024	\$191,693.00	AMP Project 2
S10 19-21	1940H	Acquisition of DT Stress Balls	Bluetrack, Inc	08/27/2024	06/30/2025	\$11,125.00	PIE Project 1
S10 19-21	1965A	Vegetation Map for Clark County (w/1460G)	Cogan Technology Inc	07/01/2020	05/31/2024	\$400,000.00	Prog Admin Project 3
S10 19-21	1910E	Riparian Reserves Maintenance	Eagle View Contractors, Inc.	09/01/2022	04/30/2024	\$100,000.00	Riparian Project 1
S10 19-21	1970C	Legal Services for DCP (w/2315)	Ebbin Moser & Skaggs, LLP	3/7/2022	12/31/2026	\$47,631.56	Prog Admin Project 2
S10 19-21	1910F	Water Rights Consulting	Facque Consulting LLC	2/15/2023	9/30/2025	\$25,212.00	Riparian Project 4
S10 19-21	1915H	Mojave Max Education Program (w1715)	Get Outdoors Nevada (OLVF)	09/01/2022	08/31/2023	\$97,650.00	PIE Project 1
S10 19-21	1940B	Mojave Max Education Program (w1770)	Get Outdoors Nevada (OLVF)	10/30/2023	08/31/2025	\$0.00	PIE Project 1
S10 19-21	1910G	Acquisition of Gates	IFA Las Vegas Country Store	12/11/2024	06/30/2025	\$564.98	Riparian Project 1
S10 19-21	1940N	Mojave Max Program Giveaways	Inspire By Design	05/20/2025	06/30/2025	\$5,847.50	PIE Project 1
S10 19-21	1942A	Rare Plant and Milkweed Surveys	Ironwood Consulting, Inc.	03/10/2023	12/31/2023	\$250,000.00	Prog Admin Project 3
S10 19-21	1975A	Tule Springs Monument Fence (w/804, 1525, 1725, 1780)	JNJ Engineering Construction Inc	04/01/2021	10/30/2023	\$306,020.00	Wild DT Project 2
S10 19-21	1940M	Mojave Max Mascot Appearances 2025-2026	Las Vegas Character Parties	03/31/2025	04/30/2026	\$25,000.00	PIE Project 1
S10 19-21	1940E	Logo Hats & Shirts for Outreach Team	Logo Apparel	09/28/2023	06/30/2024	\$450.00	PIE Project 2
S10 19-21	1940C	OHV Outreach (w807 & 1915)	MXT Media	08/24/2023	06/30/2024	\$5,000.00	PIE Project 2
S10 19-21	1910C	Riparian Reserves Vegetation Management	National Park Service (NPS)	4/6/2021	7/15/2025	\$216,652.59	Riparian Project 1
S10 19-21	1940L	Acquisition of 3D Printed Techno-Tort	OrniLogic	12/26/2024	06/30/2025	\$3,864.00	PIE Project 1
S10 19-21	1940P	Mojave Max Program Giveaways	Skyhigh Marketing	05/20/2025	06/30/2025	\$4,237.50	PIE Project 1
S10 19-21	1920H	Bat Recording Analysis (w2020)	SWCA Environmental Consultants	09/28/2023	06/30/2024	\$17,725.00	AMP Project 2
S10 19-21	1935A	Parasitism Control and Eval (w/1750&1935)	SWCA Environmental Consultants	4/17/2023	12/31/2025	\$281,065.42	AMP Project 2
S10 19-21	1940J	Portable Restroom for BCCE Cleanup	United Site Services	09/30/2024	06/30/2025	\$435.00	PIE Project 2
S10 19-21	1990A	Rare Plant Propagation Research (w/809)	US Geological Survey (USGS) - Western Eco Rsrch Ctr	03/01/2020	12/16/2023	\$137,943.00	Cons Project 1
S10 19-21	1995A	Brome Reduction Study	Utah State University	11/14/2023	11/25/2025	\$21,612.00	Cons Project 1
S10 19-21	1970B	HCP Consultant for the MSHCP Amendment (w2315D)	WRA Environmental Consultants	8/19/2021	12/31/2026	\$199,408.14	Prog Admin Project 2
S10 21-23	2005H	Reserves Maint. Materials & Tools FY24	American Express	07/01/2023	06/30/2024	\$2,169.71	BCCE Project 1
S10 21-23	2005K	Reserves Maint. Materials & Tools FY25	American Express	07/30/2024	06/30/2025	\$2,400.00	BCCE Project 1
S10 21-23	2050G	Acquisition of Camera Supplies	B & H Photo	10/03/2024	06/30/2025	\$134.98	Cons Project 1
S10 21-23	2050H	Acquisition of Camera Supplies	B & H Photo	11/20/2024	06/30/2025	\$1,018.68	Cons Project 1
S10 21-23	2095D	Pocket Mouse Landscape Genomics	BEC Environmental, Inc.	07/18/2022	10/20/2023	\$22,670.00	Prog Admin Project 3
S10 21-23	2005J	BCCE Trail Signage	Berntsen International, Inc	03/08/2024	06/30/2024	\$870.24	BCCE Project 1
S10 21-23	2020D	Desert Tortoise Occupancy (w/2325C)	Bio Logical, LLC	02/01/2022	01/31/2025	\$484,834.50	AMP Project 2
S10 21-23	2005C	BCCE Law Enforcement	Boulder City Conservation Easement Law Enforcement	11/2/2021	8/30/2026	\$118,528.52	BCCE Project 1
S10 21-23	2050F	Acquisition of Camera Supplies	CDW Government, Inc	04/23/2024	06/30/2024	\$181.80	Cons Project 1
S10 21-23	2092A	Vegetation Map for CC (w/1965A)	Cogan Technology Inc	07/08/2020	05/31/2024	\$393,983.96	Prog Admin Project 3
S10 21-23	2010B	Riparian Reserves Unit Maintenance	Eagle View Contractors, Inc.	04/23/2024	12/31/2025	\$100,000.00	Riparian Project 1
S10 21-23	2050C	Evaluation of Herbivore Deterrent	EcoCulture	3/1/2024	12/31/2025	\$154,800.00	Cons Project 1
S10 21-23	2050J	Thermal Refugia Restoration	EcoCulture	3/17/2025	8/30/2025	\$22,000.00	Cons Project 1
S10 21-23	2070A	Evaluation of Screwbean Mesquite	EcoCulture	5/10/2023	11/30/2025	\$100,000.00	Cons Project 1
S10 21-23	2095E	Funding Analysis of the MSHCP Amend (w1460 & 2315)	Economic & Planning Systems, Inc.	09/19/2022	10/15/2024	\$139,000.00	Prog Admin Project 2
S10 21-23	2005E	BCCE Maintenance	Gothic Landscape, Inc	02/01/2022	08/31/2023	\$50,000.00	BCCE Project 1
S10 21-23	2005L	Acquisition of BCCE Maintenance Supplies	Grainger	09/16/2024	06/30/2025	\$597.85	BCCE Project 1
S10 21-23	2005N	BCCE Maintenance Supplies	Grainger	12/10/2024	06/30/2025	\$437.42	BCCE Project 1
S10 21-23	2050D	Riparian Reserve Unit Fasteners	Grainger	03/26/2024	06/30/2024	\$59.19	Riparian Project 1
S10 21-23	2050L	Herbivore Deterrent Supplies	Grainger	03/27/2025	06/30/2025	\$166.93	Cons Project 1

SORTED BY FUNDING SOURCE

Funding Source	Project Number	Contract Title	Contractor	Contract Start Date	Contract End Date	Total Contract Amount	Project ID
S10 21-23	2020L	Assessment, Inventory, and Monitoring on the BCCE	Great Basin Institute	03/01/2024	09/05/2027	\$52,800.00	AMP Project 2
S10 21-23	2030A	BCCE DT Telemetry & Health Assess (w/1740C & 1930B)	Great Basin Institute	11/15/2021	12/28/2023	\$251,561.66	Wild DT Project 1
S10 21-23	2050B	Acquisition of Herbivore Deterrent	Helena Chemical Company	02/20/2024	06/30/2024	\$564.96	Cons Project 1
S10 21-23	2050E	Acquisition of Herbivore Deterrent	Helena Chemical Company	04/18/2024	06/30/2024	\$1,694.87	Cons Project 1
S10 21-23	2050G	Acquisition of Herbivore Deterrent	Helena Chemical Company	8/5/2024	6/30/2025	\$616.00	Cons Project 1
S10 21-23	2080A	Blue Diamond Cholla Surveys	Ironwood Consulting, Inc.	08/01/2022	04/30/2024	\$360,000.00	Prog Admin Project 3
S10 21-23	2005D	BCCE Weed Management	National Park Service (NPS)	12/21/2021	12/31/2025	\$132,000.00	BCCE Project 1
S10 21-23	2050A	Restoration Consultation Services (w1935)	Natural Channel Design Engineering	08/07/2023	12/31/2025	\$27,748.99	Riparian Project 3
S10 21-23	2095F	NCL-Annual Home Means Nevada Dinner	Nevada Conservation League	09/23/2024	06/30/2025	\$1,500.00	PIE Project 2
S10 21-23	2090A	Niles Herbarium Data	Nevada Division of Natural Heritage	09/06/2022	06/30/2024	\$60,000.00	Cons Project 3
S10 21-23	2020E	Avian Surveys	SWCA Environmental Consultants	12/19/2021	12/28/2023	\$211,242.00	AMP Project 2
S10 21-23	2095C	Bat Surveys	SWCA Environmental Consultants	04/07/2022	07/13/2023	\$91,162.00	Prog Admin Project 3
S10 21-23	2020M	Bat Detector Servicing	Titley Scientific, LLC	02/07/2024	06/30		

SORTED BY FUNDING SOURCE

Funding Source	Project Number	Contract Title	Contractor	Contract Start Date	Contract End Date	Total Contract Amount	Project ID
S10 23-25	2315E	Public Outreach and Stakeholder	Southwest Decisions Resources, Inc	11/01/2024	05/01/2025	\$45,609.00	Prog Admin Project 2
S10 23-25	2315J	Facilitation for AMM Work Group (w2095)	Southwest Decisions Resources, Inc	5/8/2025	12/31/2025	\$34,980.00	Prog Admin Project 2
S10 23-25	2320B	Eastern Mojave Conservation Collaborative Facilitation III	Southwest Decisions Resources, Inc	01/30/2024	09/30/2024	\$5,000.00	AMP Project 1
S10 23-25	2300D	Office Supplies FY24	Staples	07/01/2023	06/30/2024	\$5,000.00	Prog Admin Project 1
S10 23-25	2300N	Office Supplies FY25	Staples	07/01/2024	06/30/2025	\$5,000.00	Prog Admin Project 1
S10 23-25	2315A	Bat Surveys - Renewal Option	SWCA Environmental Consultants	07/18/2023	12/30/2024	\$96,018.00	Prog Admin Project 3
S10 23-25	2315F	Analysis of Bat Acoustic Data for the MSHCP Amend V2	SWCA Environmental Consultants	10/24/2024	10/01/2025	\$22,247.00	Prog Admin Project 3
S10 23-25	2325B	Avian Surveys - AMP Monitoring 2024-2027	SWCA Environmental Consultants	12/27/2023	12/31/2025	\$224,861.00	AMP Project 2
S10 23-25	2335A	Road Warriors 2024-2025	Tortoise Group	03/11/2024		\$80,000.00	Wild DT Project 2
S10 23-25	2340B	Pocket Mouse Conservation Physiology	University of Nevada LV (UNLV) - School of Life Sci	11/5/2024	2/20/2026	\$62,721.00	Prog Admin Project 3
S10 23-25	2395A	Autogenic Restoration at the BCCE	University of Nevada LV (UNLV) - School of Life Sci	3/19/2024	10/31/2026	\$270,000.00	Cons Project 1
S10 23-25	2315G	Covered Species Model Updates 2024	University of Nevada Reno (UNR)	1/21/2025	12/15/2025	\$156,806.00	Prog Admin Project 3
S10 23-25	2315H	Assessing Gila Monster Genetic Diversity (w/1997D & 2350B)	US Geological Survey (USGS) - Western Eco Rsrch Ctr	05/07/2025	12/15/2026	\$12,499.62	Prog Admin Project 3
S10 23-25	2345A	Distribution and Threats to the AZ Toad in CC	US Geological Survey (USGS) - Western Eco Rsrch Ctr	4/2/2024	3/15/2026	\$310,121.00	Prog Admin Project 3
S10 23-25	2382A	Development of Resilient Plant Materials for Desert Restoration	US Geological Survey (USGS) - Western Eco Rsrch Ctr	1/1/2025	3/1/2027	\$312,754.00	Cons Project 1
S10 23-25	2385A	Seed Ecology of Threecorner Milkvetch	US Geological Survey (USGS) - Western Eco Rsrch Ctr	02/06/2024	12/21/2028	\$346,956.00	Cons Project 1
S10 23-25	2360A	Web Accessible Data Portal Phase 1	VMSI, Inc.	03/21/2024	10/31/2024	\$5,500.00	Prog Admin Project 3
S10 23-25	2325E	Acquisition of Avian Acoustic Recorders	Wildlife Acoustics, Inc.	01/28/2025	06/30/2025	\$6,451.88	AMP Project 2
SNPLMA R17	1741A	Eldorado Valley Post Translocation Surveys	Great Basin Institute	11/01/2022	11/30/2024	\$405,565.00	Wild DT Project 1
SNPLMA R17	1760C	Reevaluating Desert Upland Habitat Restoration	University of Nevada LV (UNLV) - School of Life Sci	01/03/2023	06/10/2025	\$273,000.00	Cons Project 1
SNPLMA R17	1782C	Model Updates 2023	University of Nevada Reno (UNR)	05/02/2023	09/30/2024	\$79,128.00	Prog Admin Project 3
SNPLMA R18	2047A	LV Bearpoppy Rest Research at Rainbow	Desert Research Institute	06/17/2025	04/30/2027	\$243,605.50	Cons Project 1
SNPLMA R18	2057A	Piute Eldorado Restoration Planning	SWCA Environmental Consultants	3/1/2024	11/30/2025	\$126,185.39	Wild DT Project 3





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2023-2025
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