



Dayton Valley Conservation District
34 Lakes Blvd. (Conference Room)
P.O. Box 1807
Dayton, Nevada 89403
(775) 246-1999

May 17, 2017

Annual Work Plan-Fiscal Year 2017/18

The Annual Work Plan for the Dayton Valley Conservation District (DVCD) was developed and will be approved in May 2017 at the District Board Meeting. The plan identifies the following key components to be addressed by the DVCD in Fiscal Year 2017/18:

1. Clearing, Snagging, Channel Maintenance and Restoration
2. River Restoration Projects
3. Floodplain Rehabilitation Desert Terminal Lakes
4. Cooperative Weed Management
5. Conservation Education
6. Sponsorship Nevada Youth Range Camp
7. Invasive Weed Treatment/Mapping
8. District Administration, Project Management, Operating

Stream bank clearing, snagging, channel maintenance, and project maintenance

Along the Carson River, there are multiple areas that require stream bank stabilization and/or restoration. Within the existing designated restoration sites, the district will perform channel clearing, snagging, and maintenance to help protect the past and future engineered structures. Willow growth, as well as sand and gravel deposits have become heavy on the inside banks and are encroaching into the channel. The cumulative effects of these deposits and vegetation have resulted in the reduction of channel capacity by an estimated 25-70% at high flows. Loss of channel capacity along with stream bank instability may threaten nearby structures, private property, and agricultural resources. The effect of in-stream vegetation has pushed flood flows into the outside bank causing significant stress and erosion. Failure may occur at high flows and threaten nearby structures and erode away old growth cottonwoods and have a negative impact to water quality. These projects will remove in-stream vegetation and, if possible, this vegetation may be used for future rehabilitation projects. The district has identified multiple locations that have been restored in the past that require additional maintenance to ensure that they are functioning correctly. The district plans on identifying several older restorations projects that require maintenance and completing as much maintenance as possible with current funds. Further evaluation will be conducted in the fall to determine priority needs after the flooding and runoff of 2017.



River Restoration Projects-Middle Carson River 048 and 049

Last year's project is being carried over into this year due to delays in permitting. These projects will include protection of over 1,700 linear feet of stream bank. Rehabilitation efforts in this stretch of the river will focus on stabilizing the stream bank in its current location. Bioengineering strategies will be used to assist with stability of this stream-bank. Engineering techniques will be used to encourage deposition of sediment, bioengineering will increase riparian habitat within the channel and on the stream bank, and increase geotechnical stability of stream banks. In addition, other strategies may be employed in order to minimize scour and reduce stream bank erosion. Severe aggradations in this area are pushing the channel against the stream bank causing erosion during high and low flow events. With these projects, we will stabilize and restore approximately 1,700 linear feet of stream-bank, minimize future erosion and encourage sediment deposition. Funding for these projects has been secured in order to complete to this much-needed work.

Floodplain Rehabilitation-ongoing

The Dayton Valley Conservation District obtained funding through the National Fish and Wildlife Foundation beginning fiscal year 2014. These funds will be utilized in Lyon County Open Space areas as well as private agricultural areas that have been affected by drought and past flooding events. The district will work with project stakeholders in removing decadent materials, treating invasive weeds and re-seeding with native or desirable vegetation in an effort to improve habitat, vegetation density and water quality. The NEPA process was completed in December 2015 and District crews started working on the project in early 2016. Due to abnormal precipitation, the project is being extended until December 2017.

Cooperative Weed Management

The DVCD continues to West Central Lyon County Cooperative Weed Management Area. This year, the district receives funding from the Carson Water Subconservancy District, the National Fish and Wildlife Foundation (via CWSD), and the U.S. Bureau of Land Management (via CWSD). We are also expecting funding from Storey County and Nevada Department of Agriculture. The weed control program involves the identification, mapping, and prioritization of specific noxious weeds to control and implement a treatment strategy. In order to carry this out, the district relies on assistance from local private landowners for help with identification, location and herbicide application in controlling noxious weeds within the district boundary on County, State, Federal and Private lands. The Desert Terminal Lakes/National Fish & Wildlife Foundation funds will enable DVCD to treat large weed-infested agriculture lands along the Middle Carson River. Another component of the DTL/NFWF project is to replant native and desirable vegetation for both domestic and wildlife habitat.

Along with controlling invasive weeds, the district has also been utilizing a GPS unit to map the known locations of noxious weeds in the area so that this information can be tracked on an annual basis and submitted to the Nevada Department of Agriculture for incorporation into the Nevada State Weed Map.



Conservation Education

For the last 18 years, the DVCD has assisted the River Wranglers in implementing the annual Carson River Workdays in Lyon County. This past year with assistance from Dayton and Silver Springs High School's the students helped over 650 elementary school children who participated in these annual events. These events provide the opportunity for elementary school children to visit the Carson River and learn about the watershed in which they live. Local high school students team up with approximately three to six elementary school children for the day and teach them about the many benefits the Carson River Watershed provides their local community. Students also learn how to conserve the Carson River and how to maintain it for future generations. As always, special thanks goes out to Linda Conlin, River Wranglers Coordinator and longtime partner with the DVCD. We look forward to continuing these educational activities in the fall of 2017.

Nevada Youth Range Camp

The DVCD will continue to seek out and support local youth, from within the Carson River Watershed, to attend the Nevada Youth Range Camp held annually during the month of June.

Invasive Weed Treatment and Mapping

The DVCD has worked with project stakeholders to develop a weed treatment strategy through the sponsorship of the West Central Lyon County Cooperative Weed Management Area. This weed effort has been expanded to treat and map nearly 5,000 acres in Fiscal Year 2017/18 and improve the education outreach effort regarding the impacts of invasive weeds. The DVCD purchased a new Trimble Juno GPS in winter 2016, thanks to funds by the Nevada Department of Environmental Protection. This unit will help staff map areas that have been or need to be considered for future treatments. This allows the district the ability to inventory and verify if treatments are working as intended. The district also manages a landowner incentive program for landowners within the weed management area to provide consultation and technical expertise. The district is partnering with the Nevada Department of Agriculture to utilize the EDD MAPS program which inputs our district mapping data into a large database for comparison/evaluation purposes. This successful program has helped the DVCD treat thousands of acres of invasive weeds including the tributaries which enter into the Carson River Corridor as well as vital agricultural lands.

District Administration and Operating

The DVCD is in agreement and understands that in order for the District to have a successful work plan and carry out this work plan in a timely and efficient manner that the administrative component becomes the vital link between the Board of Supervisors, District Stakeholders, and other agencies assisting the DVCD in the completion of its work.



The DVCD has identified this section as a key component to accomplish our overall work plan. The Administrative component to the work plan consists of (but not limited to) the following:

- Employee Salaries
- Employee Benefits
- District operating expenses
- Equipment and vehicle maintenance and/or repairs
- Travel/Training/Workshops/Education
- Necessary equipment purchases
- Annual permitting and mitigation expenses.
- District office rent, utilities, phone, and internet services
- Field and office supplies
- District vehicle and equipment fuel

Robert L. Holley
District Manager
Dayton Valley Conservation District
West Central Lyon County Weed Management Area

Dayton Valley Conservation District

Estimate of Expenditures FY 2017/18 Effective 7/1/2017

FY 2017/18 EXPENDITURES

River Funds

CWSD-Annual Funding for River Projects	\$ 52,500.00
CWSD-Annual Funding for River Projects (Carry Over-FY2015)	\$ -
CWSD-Annual Funding for River Projects (Carry Over-FY2014)	\$ -
Question 1 Funding for River Projects	\$ 32,000.00
Nevada State Parks (#1-Carry Over-FY 2016/17)	\$ 22,500.00
Nevada State Parks (#2-Carry Over-FY 2016/17)	\$ 11,700.00
NDEP 319 Grant for River Projects (MCR 048/049)	\$ 90,739.66
NDEP 319 Grant for River Projects (MCR 010C/111C)	\$ 124,602.66
Nevada Division of Water Resources for Channel Clearing & Snagging General	\$ 46,800.00
Nevada Division of Water Resources for Channel Clearing & Snagging River Projects	\$ 13,590.00
Lyon County Funding for River Projects (Carry Over-FY 2016/17)	\$ 45,000.00
Subtotal:	\$ 439,432.32

Noxious Weed Treatment Funds

CWSD-Annual Funding for Noxious Weed Treatments	\$ 12,000.00
CWSD/NFWF-Funding for Noxious Weed Treatments	\$ 6,000.00
CWSD/Storey County Funding for Noxious Weed Treatments	\$ 12,000.00
National Fish and Wildlife Foundation Desert Terminal Lakes	\$ 72,687.90
Subtotal:	\$ 102,687.90

Employee and Board Member Expenses

District Manager Salary (FTE)	\$ 50,000.00
Administrative Assistant \$15/hour (1/2 FTE)	\$ 18,500.00
Health Insurance Reimbursement to District Manager	\$ 4,560.00
Wells Fargo-Employer Taxes/Collection	\$ 15,000.00
Payroll Invoice Fees/W-2 Forms	\$ 1,400.00
Insurance: Liability for Staff and Board Members	\$ 785.00
Insurance: Worker's Compensation	\$ 1,760.00
Subtotal:	\$ 92,005.00

Equipment/Vehicle Expenses/Insurance

Insurance and Liability: Vehicles and Equipment	\$ 1,750.00
Equipment and Vehicle Expenses routine maintenance	\$ 2,000.00
Subtotal:	\$ 3,750.00

General Operating Expenses:

Office supplies and postage	\$ 1,500.00
Cell Phone for District Manager	\$ 300.00
Office phone and fax lines	\$ 340.00
Fuel	\$ 12,000.00
Misc: Computer, software, books, office equipment, etc.	\$ 1,000.00
Interlocal agreement with State Parks (Internet Bills)	\$ 600.00
NVACD Sponsorship Annual Dues	\$ -
West Central Lyon County Weed Management Landowner Workshop	\$ -
Training, certifications, airfare, accomodations, meals, etc.	\$ 250.00
Operating Contingency	\$ 1,500.00
Subtotal:	\$ 17,490.00

River Wrangler Funds Through CWSD (\$4,600)

Annual Event, awards, and etc.	\$ 750.00
Range Camp	\$ 180.00
Carson River Workdays	\$ 2,170.00
Vegetation Management	\$ 1,500.00
Carson River Festival-Plant Donation	\$ -
Subtotal:	\$ 4,600.00

Total Expenditures:

\$ 659,965.22

July 1, 2017-June 30, 2018 Annual Report

Thank you to our Funding Partners For Their Support

September 30, 2018



Dayton Valley Conservation District

Who We Are

The Dayton Valley Conservation District is in its 19th year of operation as a political subdivision of the State of Nevada, being established in March of 1999. The District began as the Middle Carson River Watershed working Group in 1996. The District has been working on a variety of projects over the past 21 years. We continue to function as an “on the ground”, “get things done” group who have focused all of our efforts into promoting the conservation of our natural resources.

DVCD is made up of a full time District Manager, a part time Administrative Assistant and a seasonal crew.

The Dayton Valley Conservation District would like to send a huge thank you to Lyon County for allowing us to utilize office space and supplies.

We would not be able to accomplish all of these projects without the continued support of our funding partners, board members, and the community. The District is very thankful to all our project partners.

As always, DVCD is looking for new funding sources to expand our scope of work. If you would like to get involved with the District, please contact the office at (775) 246-1999.

Thank you:

- Nevada Division of Environmental Protection 319 Program
- National Fish and Wildlife Foundation
- Carson Water Subconservancy District
- Carson Truckee Water Conservation District
- Lyon County and Storey County
- Nevada Department of Agriculture
- Nevada Conservation District Program
- Natural Resources Conservation Service
- Nevada State Parks
- Nevada Division of Forestry/U.S. Forest Service
- Carson River Wranglers
- Nevada Division of Water Resources
- Landowners and Donors

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Mission Statement

The Dayton Valley Conservation District provides assistance to citizens of Lyon County in riverbank stabilization, treatment of invasive weeds, and educational outreach to the community. One of our main focuses is the protection of the Middle Carson River’s Watershed natural resources and wildlife habitat. Our organization provides the ability to cross boundaries and work directly with Federal, State, County and Private Landowners to address a universal need for conservation of our natural resources. DVCD supports local agriculture, enhancing the efficiency of production and the continued improvement of agricultural and adjacent lands.



To stay updated on Dayton Valley Conservation District happenings and projects, please visit our website: <https://daytonvalleycd.wixsite.com/daytonvalleycd>

Dayton Valley Conservation District Board Members 2017-2018

The Dayton Valley Conservation District has a very dedicated and hard working board of supervisors. The District Board includes the following six members:

Chairman Chuck Roberts has been on the District's board for many years. He was previously a Lyon County Commissioner and was elected to be chairman in November 2012. Mr. Roberts keeps the meetings under control and moving along.

Vice-Chairman John Gavin was elected to the board in 2009 and has been involved with the District since its establishment. John Gavin is a long-time resident of Dayton and is constantly helping DVCD in many ways.

Secretary/Treasurer Joe Ricci was raised on the Ricci Ranch in Dayton, which is one of the longest running family ranches along the Carson River. Mr. Ricci has been a part of the District since 2002.

Bill Mountjoy was nominated to fill the remaining term of Supervisor Rob Holley in 2015. Mr. Mountjoy is a Dayton native and is employed by Washoe County.

Supervisor David Hardy became involved with the DVCD when a stream bank stabilization project was completed on his property. Mr. Hardy was nominated as our Volunteer of the year in 2009 and has been a board member since 2010.

Supervisor/County Commissioner Ken Gray was nominated by Lyon County to the board in 2017. We are thankful for his service.



From Left to Right:
Supervisor Dave Hardy, Supervisor Ken Gray, Vice Chairman John Gavin, Secretary/Treasurer Joe Ricci, District Manager Rob Holley, Previous District Manager Rich Wilkinson
Not Pictured:
Chairman Chuck Roberts, Supervisor Bill Mountjoy, Administrative Assistant Rebekah Fillippini

District
Manager
Robert
Holley



Dayton Valley Conservation District Staff

The staff of the Dayton Valley Conservation District have worked together with multiple funding agencies, permitting agencies, landowners, organizations, and contractors to achieve our District's goals of completing riverbank stabilization projects, invasive weed treatment applications, repairs to existing projects, education outreach, and to find additional sources and funding for these activities. We are pleased to introduce our staff, Robert Holley and Leah Hoover.

Rob Holley was raised on the north shore of Lake Tahoe before moving to Carson City as a teenager. After graduating from UNR with a BS in Secondary Education (major in biology and minor in chemistry), Rob enjoyed a 20-year career with the Nevada Division of State Parks. In 1970, his father and grandfather began ranching along the Carson River in Dayton Valley. Rob and his family now live in Dayton Valley, where they raise cattle, sheep, and pigs, along with certified organic vegetables. Mr. Holley was hired in April 2015.

Administrative
Assistant
Rebekah
Fillippini



Administrative Assistant, Rebekah Fillippini was hired in June 2018. Rebekah graduated from Dayton High School in 2015 with a honors diploma and then went on to graduate from Western Nevada College in May 2018 with her Associates Degree in Business. Now she is working at both Western Nevada College and the Dayton Valley Conservation District part time as an administrative assistant.

This year's Invasive Weed and Bio-engineering crews include: Jacob Lassen, Stacy Mathis, Robert Fillippini. The District thanks them for their hard work this year.

Another Successful Weed Treatment Season

The Dayton Valley Conservation District, which sponsors the West Central Lyon County Weed Management Group, had another successful treatment season. The group emphasizes early detection and rapid response to address new threats of invasive weeds within our boundary. This year the District focused on the Carson River Corridor in an effort to support local agriculture. The Carson River is a significant seed source for invasive weeds. The District staff and crew also assisted local landowners with consulting services and provided herbicide at cost to help landowners treat their own property. DVCD continues to get support from many agencies which include: Carson Water Subconservancy District, Lyon County and Storey County.

This year's efforts were impacted by reduced funding and flooding. The District was able to treat over 120 acres in the Dayton Valley, Six and Seven Mile Canyon and Storey County. In addition, we were able to survey, inventory and map hundreds of additional acres. With all of the gathered data we are able to create a map and compare it to maps from previous years. This allows the District to monitor the progress of weed abatement, evaluate the effectiveness of treatments, and determine which areas need more attention in the future.

DVCD was also able to work with Storey County on noxious weed treatments and inventory. District crews have seen significantly diminished infestations of noxious weeds in 6 and 7 Mile Canyons, Gold Hill, and Virginia City because of annual treatments.



Crew mapping and spraying treatment areas



Flood 2017



Dayton Valley experienced moderate flooding in both January and February of 2017, and the ensuing spring runoff brought continued and prolonged high flows through the spring and early summer months. Dayton Valley Conservation District played an active role in monitoring damage during the events. After the prolonged runoff, DVCD is currently evaluating damages and developing short and long term goals to address damages. Currently, DVCD is working actively with the Carson Water Subconservancy District, the Natural Resources Conservation Service, Farm Services Agency, the Nevada Division of Environment Protection, and number local, state, and federal agencies to coordinate and facilitate flood-related work.

Middle Carson River Restoration Funding Projects.



MCR 049 and visible bank erosion

The Dayton Valley Conservation District has received funding to perform critical repair projects along the Middle Carson River. These projects are Middle Carson River 048 (along the Minor Ranch Property) and Middle Carson River 049 (along Fort Churchill Road and Buckland Ditch). The projects aim to restore eroding river bank and prevent future damage to infrastructure in the area. Emergency repairs were conducted in February, 2017 to stabilize the project on the Minor Ranch, which had severely eroded. The repairs were completed prior to the February flood, and appear to have held up well during that flood event, as well as during the spring runoff. The project along Fort Churchill Road is a large and expensive project. The project is planned for completion in the fall of 2017. RO Anderson Engineering recently conducted surveys of both project sites to determine the degree of damage caused by the January and February floods, as well as the prolonged spring runoff. Currently budgets and priorities are being evaluated to determine if one or both projects will be completed in 2017, or if some funds might be averted to more critical places damaged by the flood. The district is grateful for a variety of funding sources to complete the project: Nevada Department of Environmental Protection 319h program, Carson Water Subconservancy District, Lyon County, Nevada Division of State Parks, Nevada Department of Water Resources and RO Anderson Engineering.



MCR 048 Emergency Repair Work

DVCD and Carson River Wranglers work together to hold Carson River Workdays and the Carson River Festival

The Conserve Carson River Workdays took place in Douglas County, Carson County, and Lyon County. Linda Conlin, Coordinator for Carson River Wranglers, said that Dayton Valley Conservation District is a great partner to work with and is very supportive of the River Wranglers program

DVCD worked with the River Wranglers over the course of 4 days, working with students and volunteers to plant willow bundles and educate them on about protecting the river and its natural resources. These projects are a great opportunity to get students involved in protecting and rehabilitating the Carson River. Over 900 students, in three counties, participated in the Conserve Carson River Workdays.

We are excited to be a part of this education outreach program year after year.

We will miss Mrs. Conlin and her leadership as she has retired this summer. We look forward to working with her replacement, Darcy Phillips.



DVCD Annual BBQ

The Dayton Valley Conservation District staff and board invite you to our Annual BBQ on October 7, 2017. The festivities will begin at 12pm at Dayton State Park. We ask that you bring a side or dessert to share. Meat, drinks and bread will be provided. If you plan on attending, please RSVP by September 29, 2017 to lkniffen.dvcd@gmail.com or (775) 246-1999.



Floodplain Rehabilitation and Restoration Funding



The Dayton Valley Conservation District staff has received funding through the National Fish and Wildlife Foundation grant to rehabilitate critical Floodplain Habitat along the Middle Carson River. These funds have helped the District re-establish native and desirable vegetation in areas where agriculture has been abandoned, and in several cases, water rights removed. These areas have typically been neglected and have turned into areas of invasive weed infestations that are negatively impacting water quality, wildlife habitat and surrounding agricultural crop production. The primary focus of the work has been to remove all of the decadent weed materials, treat weeds that are present and re-seed areas with species that are competitive with invasive weeds. DVCD has noted an increase in invasive weeds since

1997 and has worked hard with multiple project partners to treat invasive weeds and assist local agricultural producers with crop management and protection. Due to delays in weather and flooding, the project has been extended into December 2018.



To remain updated on Dayton Valley Conservation District happenings and projects, please visit our website:
<http://daytonvalleycd.wix.com/daytonvalleycd>



**Dayton Valley Conservation District
Income for Fiscal Year 2017-2018**

<u>Receipt Source</u>	<u>Amount</u>
County Funds	
Lyon County (General Operating)	\$ 7,500.00
<i>Subtotal:</i>	<u>\$ 7,500.00</u>
Other Government Funds	
Carson Water Subconservancy District (River)	\$ 35,201.89
Carson Water Subconservancy District (Flood Evaluation)	\$ 2,720.88
Carson Water Subconservancy District (Weeds)	\$ 14,989.28
Carson Water Subconservancy District (Weeds-NFWF)	\$ -
Carson Water Subconservancy District (Weeds-Storey County)	\$ -
Carson Truckee Water Conservancy District (River)	\$ 1,840.00
Conservation District Program-Yearly Funding	\$ 4,542.86
River Wranglers	\$ 2,367.75
Storey County (Weeds)	\$ 4,392.51
<i>Subtotal:</i>	<u>\$ 66,055.17</u>
Grants	
National Fish and Wildlife Foundation	\$ 55,807.94
Nevada Division of Environmental Protection 319 (H) (16-010)	\$ 8,653.82
Nevada Division of Environmental Protection 319 (H) (17-024)	\$ 355.35
<i>Subtotal:</i>	<u>\$ 64,817.11</u>
Other	
Carson City Weed Coalition	\$ 954.31
Walker Basin Conservancy	\$ 526.81
Landowner Program	\$ 1,196.88
<i>Subtotal:</i>	<u>\$ 2,678.00</u>
Interest and Donations	
Interest (Checking Account)	\$ 27.07
Interest (Savings Account)	\$ 0.95
Donations (Checking Account)	\$ -
Donations (Savings Account)	\$ -
<i>Subtotal:</i>	<u>\$ 28.02</u>
Contributions (In-Kind)	
Natural Resource Conservation Service	\$ -
DVCD/Landowners/Willows/Rock	\$ -
<i>Subtotal:</i>	<u>\$ -</u>
	\$ -
Subtotal Income (including interest, excluding contributions)	\$ 141,078.30
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Total Income:	\$ 141,078.30

Dayton Valley Conservation District	
Summary of Receipts	
For the Fiscal Year Ending June 30, 2018	
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