



# **Nevada Tahoe Conservation District**



## **NTCD ANNUAL WORKPLAN FY 2014**

**Prepared: May 18, 2013**

## **INTRODUCTION**

The Nevada Tahoe Conservation District (NTCD) is part of approximately 3,000 Conservation Districts functioning in all 50 States and U.S. Territories. Conservation Districts are sub-divisions of State government and are unique locally led conservation agencies with our roots dating back to the dust bowl era. Districts provide natural resource and conservation practices management and technical assistance to land occupiers (owners, renters, and producers) as well as work cooperatively with Federal, State, and Local governments in the delivery of conservation programs.

The Nevada Tahoe Conservation District is one of 28 Conservation Districts functioning under the auspices of Nevada Revised Statute, Chapter 548. The District is a Governmental Subdivision of the State of Nevada and a public body corporate created in 1976. The District encompasses all of the land in the Lake Tahoe Basin residing in the State of Nevada including portions of Douglas and Washoe Counties and the Carson City Rural Area. In addition, the District has a formal partnering relationship with our California counterpart, the Tahoe Resource Conservation District.

The Nevada Tahoe Conservation District (NTCD) is Nevada Lake Tahoe's local conservation agency and source for technical assistance. The District is a non-regulatory and grant funded agency that works closely with its Federal, State, and Local partners to deliver conservation programs to the Nevada Lake Tahoe Community. The District is guided by a Board of Supervisors made up of elected and appointed community leaders. The Board of Supervisors provides direction to the District's full time staff in carrying out the District's mission statement, vision, and guiding principals. As described in our mission statement, the District seeks to provide its constituents with superior technical assistance, educational resources, and conservation leadership with the goal of protecting Lake Tahoe's natural resources.

**(cover photo - NTCD native plant garden, NTCD office, Zephyr Cove)**

## **NTCD OPERATIONS AND ADMINISTRATION**

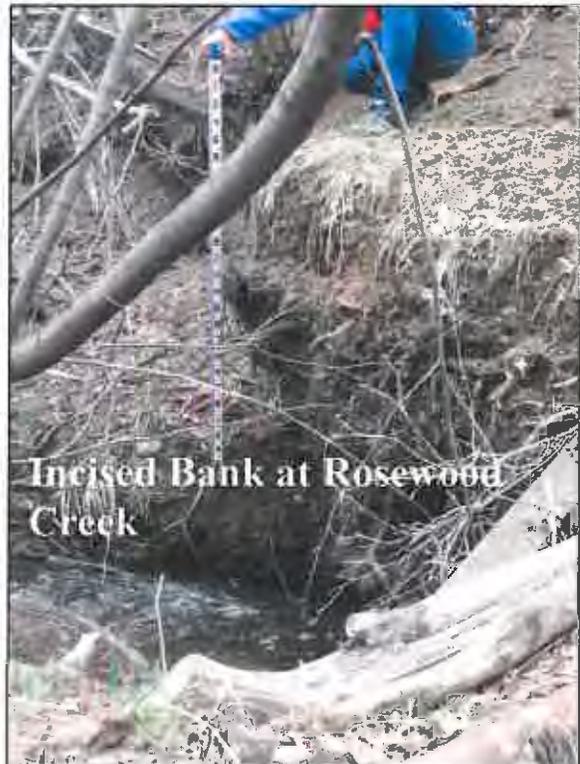
1. Continue community, state and government awareness of NTCD and its programs by continually updating the NTCD Website and giving public presentations within the community.
2. Continuing review and update of comprehensive District policies and procedures adopted by NTCD Board of Supervisors.
3. Continue a training program with funding to support technical, professional, and human resource training for all District staff.
4. Continue to revise and adapt job descriptions for all current and future positions for the District.
5. Development of a comprehensive finance/funding plan for FY 2014 for review and approval by the NTCD Board of Supervisors.
6. Maintain an operational budget of 12 months and operational reserve one month or more in advance.
7. Update the records retention and rotate out files and information no longer viable.
8. Coordinate budget responsibilities between the District Manager to the Administrator.
9. Participate in the Lake Tahoe Federal Advisory Committee
10. Participate in the Lake Tahoe Forum
11. Coordinate the Annual Audit in compliance with State and Federal statutes.

## PROJECT WORK FOCUS

NTCD is actively involved in many conservation programs and projects with our partners in the Lake Tahoe Basin. Several of our projects continue efforts that have been ongoing for many years, while, others are just beginning. The following information outlines the district project objectives for NTCD during the upcoming work year.

### WATER RESOURCE FOCUS PROJECTS

1. Support the NDSL technical advisory group regarding Water Quality and Erosion Control program on stormwater and SEZ restoration projects as they are selected by NDSL. Please note there is a change this year in the process, removing NTCD from the review process as NTCD is to now apply for grants under the EC program of NDSL.
2. Provide technical oversight for the design and construction of water quality and stream restoration projects funded by the NDSL Water Quality and Erosion Control program.
3. Continue with the development of a stormwater infrastructure inventory and performance tracking architecture in Nevada-Tahoe.
4. Continue monitoring the restoration of Middle Rosewood Creek (Area A).
5. Work closely with the Regional Stormwater Monitoring Programs to finish the establishment a robust data inventory and collection/analysis protocol for stormwater quality in the Tahoe basin.
6. Continue to monitor a hybrid BMP system in Incline Village, NV. The hybrid system will augment the existing high-flow treatment system with distributed off-line infiltration swales.
7. Monitor the water quality before and after the restoration of Area A of Rosewood Creek. Same as #4
8. Continue to provide assistance to Washoe and Douglas Counties to implement various aspects of the TMDL tracking program.



9. Commence development of the Stormwater Loading Reduction Program that assesses Fine Sediment Particle Loading at Key Stormwater outlets in the Nevada Tahoe Basin. This work will take 3 years to complete 3 phases which culminates in engineering cost estimates of projects to implement to meet the Nevada TMDL requirements.
10. Continue work on a master planning process for the Burke Creek/Rabe Meadow complex with NDOT, Douglas County and private parties looking at opportunities in the areas of stormwater and stream enhancements.

#### WATER RESOURCES MONITORING FOCUS

1. Develop proposals to answer Nevada TMDL quality questions and inform future EIP water quality/erosion control projects for Nevada implementers and funders. Submit to appropriate funders including NDEP, NDSL, BOR, and USFS.
2. Continue the sampling water quality for the Stateline Stormwater Project.
3. Monitor the water quality associated with the Rosewood Creek Area A restoration.
4. Begin work with basin efforts to monitor sites throughout out the Lake Tahoe Basin. This is through an inter local agreement with Tahoe Resource Conservation District (TRCD)

## BACKYARD CONSERVATION ASSISTANCE PROJECTS



1. Update and Implement the FY-14 NTCD-BCP Annual Work Plan.
2. Continue to assist with development and maintenance needs at the North Lake Tahoe Demonstration Garden.
3. Continue to train all BCP staff in defensible space techniques in collaboration with the fire protection districts of Nevada Tahoe.
4. Provide ongoing training for all BCP staff in native and adapted plants.
5. Provide property owners with water quality technical assistance through Best Management Practices (BMPs) site evaluations and facilitation of BMP implementations.



6. Begin partnership with EPA to commence the Community Watershed Planning Project to provide watershed conservation and TMDL technical assistance to two selected areas. Focus topics including:
  - a. Stormwater Management
  - b. Public/private joint activities
  - c. Public outreach
  - d. BMP implementation
  - e. BMP Maintenance outreach and program development.
  - f. Cost effectiveness of shared systems and possible fund strategy for 2 selected areas
  - g. Other conservation elements including: Water Conservation, Noxious Weed Abatement, Defensible Space, Nutrient Management, etc.

7. Participate in outreach and education opportunities to present BMP retrofit and the Backyard Conservation Program.
8. Distribute defensible space educational materials and handouts and encourage installations of fire safe BMPs (see below).



9. Design and install signs at the native plant demonstration garden at the NTCD office location to highlight using native plants with in landscapes. NDF funding (this project was postponed from last year to this year).
10. Continue 2<sup>nd</sup> year and complete project deliverables for Invasive Weed ROW treatments under Nevada Division of State Lands Invasive Weed grant.



11. Begin first year of deliverables for Invasive Weed ROW treatments under Nevada Division of State Lands Invasive Weed grant.
12. Seek out and secure funding to continue invasive weed abatement efforts and outreach for the 2014 field season and beyond. Focus will be to assist private property owners.

13. Provide water conservation components while providing technical assistance in relation to BMPs.
14. Work with TRPA to maintain a positive working relationship with TRPA and other EIP #16 partners including Douglas and Washoe Counties.
15. Ongoing training for all BCP staff in noxious weed identification and control methods.



16. Continue to seek out and secure funding for the future. NDEP funds are decreasing and the BCP/CPG will need to be ready to shift and take on other roles as needed. During this Fiscal Year, funding for the BCP will be coming from NDEP and EPA.
17. Develop a system so property owners can voluntarily pay for BMP assistance. This is requested by NDEP
18. Work on possible tasks and deliverables with focus on forest health outreach for 2013-2015. NDF funding.



19. Continue work on Tahoe Yellow Cress (TYC) outreach and conservation planning to assist lakefront homeowners with the conservation of habitat and protection of TYC populations through NDF funding.

## **BIOMASS, FOREST HEALTH AND VEGETATION MANAGEMENT FOCUS**

1. Continue support to the Nevada Pinyon Juniper Partnership which focuses on overlaying utilization in a manner that support resource needs with a science oversight component.

## **PUBLIC OUTREACH FOCUS**

Public Outreach is extremely important to the District's ability to engage and inform our outreach stakeholder constituency in Nevada Lake Tahoe consisting of Regulators, Funders, Implementers, property owners, General Improvement Districts (GIDs) and Homeowner Associations (HOAs). All of our staff and programs are responsible for outreach, including the four main functions: Advocacy, Outreach, and Environmental Policy.

## **Funders and Partners**

### **FEDERAL**

USDA Natural Resources Conservation Service  
USDA Forest Service  
USDOI Bureau of Reclamation  
US Army Corps of Engineers  
US EPA

### **STATE**

Nevada Division of Environmental Protection  
Nevada Department of Transportation  
Nevada Division of State Lands  
Nevada Division of Conservation Districts  
Nevada Division of Forestry  
Nevada Association of Conservation Districts  
Nevada Conservation Commission  
University of Nevada, Cooperative Extension

### **Local**

Tahoe Regional Planning Agency  
Tahoe Resource Conservation District, California  
Washoe County  
Douglas County  
Carson City  
Placer County, California  
Cave Rock Estates GID  
Zephyr GID  
Skyland GID  
Oliver Park GID  
Logan Creek GID  
Lakeridge GID  
Incline Village GID  
Kingsbury GID  
Roundhill GID  
Glenbrook Homeowners Association  
Hidden Woods Homeowners Association

### **Private**

National Fish and Wildlife Foundation  
Nevada Tahoe Stateline Stormwater Association  
National Forest Foundation  
Nevada Pinyon & Juniper Partnership

# PROPOSED BUDGET

     Nevada Tahoe      CONSERVATION DISTRICT

## ESTIMATE OF RECEIPTS

For the Fiscal Year Ending June 30, 2014   

<u>RECEIPT SOURCE</u>	<u>AMOUNT</u>
State Funds	491580.00
County Funds	10000.00
City Funds	5000.00
Other Government Funds (specify) <i>Federal</i>	649708.00
Administrative Income (specify)	
Interest – CD, Savings and Checking	
Grants for projects (specify)	
Rental Income (equipment, etc.)	
Contributions	
Building/Property Rental Fees	
Other Sources of Income <i>Private</i>	25000.00
<b>TOTAL INCOME</b>	<b>1181288.00</b>

**(INCOME ESTIMATE MUST EQUAL EXPENSE ESTIMATE)**

**REPORT DUE JUNE 1<sup>ST</sup> – PLEASE SUBMIT TO:**

**DCNR - CONSERVATION DISTRICT PROGRAM**

**BRE@DCNR.NV.GOV**

**Fax# 775-684-2715**





**NEVADA TAHOE  
CONSERVATION DISTRICT**



**FY 2014 ANNUAL REPORT  
July 1<sup>st</sup>, 2013 to June 30<sup>th</sup>, 2014**

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## **MISSION STATEMENT**

***“ TO PROMOTE THE CONSERVATION AND IMPROVEMENT OF THE LAKE TAHOE BASIN’S NATURAL RESOURCES BY PROVIDING LEADERSHIP, EDUCATION AND TECHNICAL ASSISTANCE TO ALL BASIN USERS.”***

## **VISION STATEMENTS**

### **Organization**

***“TO BE A HIGHLY RESPECTED AND EFFECTIVE CONSERVATION ORGANIZATION IN THE LAKE TAHOE BASIN WITH SUFFICIENT AND SUSTAINED FUNDING TO MEET OUR CONSERVATION EFFORTS.”***

### **Natural Resource**

***“A NEVADA LAKE TAHOE BASIN WHERE NATURAL RESOURCES AND NATURAL BEAUTY ARE PROTECTED AND ENHANCED IN HARMONY WITH THE USE AND ENJOYMENT OF RESIDENTS AND VISITORS.”***

## **DISTRICT SUPERVISORS\***

### **SUPERVISORS – EXECUTIVE COMMITTEE**

**Glen Smith, Chair**  
**Barbara Perlman-Whyman, Vice Chair**  
**Cary Sarnoff, Secretary/Treasurer**

### **SUPERVISORS**

**Maureen McCarthy, PhD**  
**Lynn Endicott**  
**Chris Freeman, Representing Carson City**  
**Marsha Berkbigler, Representing Washoe County**  
**Barry Penzel, Representing Douglas County**

**\*NTCD Board of Supervisors as of June 30<sup>th</sup>, 2014**

## **KEY DISTRICT STAFF**

**DOUG MARTIN – DISTRICT MANAGER**

**MARK THORPE – ADMINISTRATOR**

**JASON BRAND – CHIEF OF OPERATIONS**

**MEGHAN KELLY – PROFESSIONAL ENGINEER**

# INTRODUCTION

## NEVADA TAHOE CONSERVATION DISTRICT

The Nevada Tahoe Conservation District (NTCD) is one of approximately 3,000 Conservation Districts functioning in all 50 States and U.S. Territories. Conservation Districts are subdivisions of State government and are unique locally led conservation agencies. Districts provide resource management and technical assistance to land occupiers (owners, renters, and producers) as well as work cooperatively with Federal, State, and Local governments in the delivery of conservation programs.

The Nevada Tahoe Conservation District is one of 28 Conservation Districts functioning under the auspices of Nevada Revised Statute, Chapter 548. The District is a Governmental Subdivision of the State of Nevada and a public body corporate created in 1976. Prior to July 1<sup>st</sup>, 1976 the land area that now makes up the NTCD was part of a larger Conservation District known as the Tahoe Verdi Conservation District. Local leaders realized the unique natural resource issues of the Lake Tahoe Basin and realigned District boundaries to create the NTCD. They believed the realignment would allow for more effective conservation management of Lake Tahoe's natural resources. Now the District encompasses all of the land in the Lake Tahoe Basin residing in the State of Nevada including portions of Douglas and Washoe Counties and the Carson City Rural Area.

The Nevada Tahoe Conservation District (NTCD) is Nevada Lake Tahoe's local conservation agency and source for technical assistance in the areas of erosion and conservation management. The District is a non-regulatory and grant funded agency that works closely with its Federal, State, and Local partners to deliver conservation programs to the Nevada Lake Tahoe Community. The District is guided by a Board of Supervisors made up of elected and appointed community leaders. The Board of Supervisors provides direction to the District's full time staff in carrying out the District's mission statement, vision statements, and guiding principles. As described in our mission statement, the District seeks to provide its constituents with superior technical assistance, educational resources, and conservation leadership with the goal of protecting Lake Tahoe's natural resources.

## DISTRICT ADMINISTRATION AND OPERATIONS

Included in our accomplishments during the past year was the completion of the FY 2013 audit. The audit showed a financial outlook for the District which continues to reflect a financial position of accountability. Internal controls are in place to insure the solvency of the District's funds.

The District submitted its Indirect Cost Rate with the Department of the Interior for the year 2015. The rate was approved in June 2014.

Other administration and operations accomplishments for fiscal year 2014:

- Successfully held eight regular board meetings and two special board meetings
- Participation in national and state conservation programs
- Successfully completed two community grants from Carson City and Douglas County

- The FY 2013 audit was completed with one minor finding.
- Successfully met all deliverable requirements of the Conservation Commission
- Implemented/approved new personnel policies, with guidance and approval from POOL/PACT.

District Staff and Supervisors continued to provide support for the NvACD.

## **FY 2014 PROJECT UPDATES**

### **WATER QUALITY AND EROSION CONTROL PROJECTS**

Scientists, researchers, and water quality specialists in the Lake Tahoe Basin have identified untreated storm water runoff, eroding soils, and impaired or disturbed stream environment zones (SEZ) as key threats to the water quality of Lake Tahoe. The District's Water Quality and Erosion Control (WQEC) Program is focused on identifying and correcting areas where point and non-point source pollution from stormwater runoff, eroding soils, and impaired SEZs are negatively impacting the quality of Nevada Lake Tahoe surface and ground waters.

In partnership with the Nevada Division of State Lands (NDSL) and other basin agencies, the District identifies and prioritizes critical areas and projects. Once projects have been identified, the District works diligently to assist project proponents in obtaining funding from Federal, State, and Local sources to design and construct the projects. During design, the District, NDSL, and the Natural Resources Conservation Service (NRCS) provide technical oversight to ensure the project meets the natural resource, water quality, and community objectives of the WQEC Program.

NTCD continues working on several Erosion Control (EC) Projects with NDSL and under the State of Nevada Tahoe bond act and other funding sources. NDSL funds to NTCD to have support on existing projects for technical expertise. Projects funded through this program focus primarily on erosion control, storm water runoff, and stream environment zone restoration. The cooperative effort between NTCD and NDSL has led to several design and implementation projects including the Glenbrook Creek Restoration Project.



**View of the Glenbrook Creek Restoration Project from Old Hwy 50**

### **Glenbrook Creek Restoration Project**

The Glenbrook Creek Restoration Project was a stream and meadow restoration to improve channel morphology and function as well as fish and wildlife habitat for Glenbrook Creek, in Glenbrook, Nevada. The project was mostly completed in FY 2013, with approximately 10% spilling over into FY 2014. The project improved vegetation diversity and wildlife habitat with vegetation management of a 3.5 acre area. Additionally, the project restored approximately 300 linear feet of stream by removing two culverts, replacing one with an arch culvert that allows fish passage, constructing a section of new channel, and stabilizing portions of the existing channel. Construction was completed in October 2013.

### **Rosewood Creek Restoration Project**

The purpose of the Middle Rosewood Creek Restoration Project A (Project) is to continue to stabilize portions of the Third Creek watershed to reduce sediment loads to Lake Tahoe. FY 2013 work built a new stream channel and road crossing. FY 2014 work performed revegetation and monitoring activities. The project will begin the final active construction phase, Phase 3, on August 10<sup>th</sup>, 2014 and will be completed by October 15, 2014. Vegetation work in FY 2014 throughout the area disturbed in Phase 1 was very successful.



**Building Channel during Phase 1 of the Rosewood Creek Area A SEZ Restoration**



**New channel, culvert, and floodplain at Rosewood Creek Area A SEZ Restoration**

#### **Cave Rock Erosion Control Project**

The primary goal of the Cave Rock Estates GID Stormwater System Retrofit Project is to retrofit the existing detention basin to treat stormwater for the fine sediment particles (FSP) and nutrient loads of nitrogen and phosphorous and to reduce the transport of them to Lake Tahoe. This project incorporates converting the single treatment mechanism detention basin into an advanced filtration system. The existing detention basin already includes components such as a large sediment trap and a sedimentation basin. The project will split the existing basin into a settling basin and a bed filter. This will activate two mechanisms for fine sediment particles (FSP) and nutrient removal. Design, planning and bid preparations were completed in FY 2014. Construction of the project began on September 2<sup>nd</sup>, 2014 and will be completed by October 15, 2014.

#### **Incline Village Green Streets Project**

This project will result in the installation of at least 5 rain gardens in the NDOT Right-of-Way in Incline Village to treat stormwater runoff in high pollutant loading catchments as identified by PLRM modeling performed for SLRP. NTCD used part of the hydrologic and pollutant loading knowledge gained during the Asset Inventory Project and SLRP Projects coupled with the LID BMP effectiveness knowledge gained from the Hybrid BMP Project and Incline Village Green Streets Project to construct rain gardens to maximize runoff treatment. NTCD staff in FY 2014 worked on permitting, planning and design components. The goal of the project is to reduce stormwater pollutant loading to Lake Tahoe by installing distributed rain gardens in the Washoe County Right-of-Way. There are three objectives: 1. Identify treatment locations based on SLRP catchment pollutant load rates, existing stormwater infrastructure and site feasibility. 2.

Design and construct rain gardens to attain optimum performance with minimal maintenance requirements. 3. Garner Lake Clarity Credits for Washoe County upon catchment registration.

### **Burke Creek/Rabe Meadow Complex Master Planning Project**

This project is a partnership with NTCD, USFS, NDOT and Douglas County to develop a planned ecosystem restoration through multiple Environmental Improvement Projects (EIPs) Water Quality Improvement Projects (WQIPs) and Stream Environment Zone Restoration Projects (SEZ) and Meadow Restoration Projects. Project period is FY 2013/2014.

Deliverables for NDOT included: 1) 50% Design Plans and reports for the geomorphically correct crossing of Burke Creek under Highway 50; 2) Conceptual plans and NEPA surveys and assessments for the treatment of Highway 50 runoff and Rabe Meadow improvement to treat the following problem areas: the directly connected stormwater outfall near the old Burger King development; a lateral treatment system for HWY 50 sheet flow for spreading water to Rabe Meadow; the directly connected stormwater outfall near Folsom Spring along HWY 50; and the HWY 50 eastbound lane #2 inundation. NTCD has begun the project and hired Wood Rodgers as a consultant. The 50% design for the Burke Creek Stream Restoration (Deliverable #1) is complete and was used in the last round of USFS SNPLMA to obtain funding for the remaining design and construction of the Burke Creek Stream Restoration component. NDOT funding award will allow for completion of the remaining Master Planning deliverables.

## **MONITORING AND MODELING PROJECTS**

NTCD's environmental monitoring program is designed to provide answers to the scientific and natural resource questions of Lake Tahoe's resource managers. The program delivers these answers by the following means:

- Evaluation of environmental restoration projects
- Inventory of Basin-wide project accomplishments
- Inventory of Nevada's stormwater assets
- NDEP compliance monitoring
- Stream health and water quality
- Advanced stormwater treatment analysis
- Pollutant Load Reduction Modeling
- Sediment Load Reduction Planning

### **Road Maintenance and Operations Project**

The Road Maintenance and Operations Practices Effectiveness Testing project is to produce standardized guidance for the Tahoe stormwater community to quantify the amount of expected water quality benefit of specific road operations and maintenance (RO&M) prescriptions implemented. The project will be used to guide local jurisdictions on how to document and test the effectiveness of specific RO&M practices that could be implemented to achieve credit awards through the Lake Clarity Crediting Program. The final products will be the quantified effectiveness of up to eight prescriptions (based on available resources) and a detailed effectiveness testing methodology for others to follow as new prescriptions are developed and implementation for credit award is desired. NTCD staff will perform the bulk of the road condition observations and will enter and manage the data over the course of the study. 2ND Nature and NCE will be subcontractors to NTCD for this project.

### **Sediment Load Reduction Planning**

This is the final step towards implementation of the Lake Tahoe Total Maximum Daily Load (TMDL) for the Nevada jurisdictions of Washoe County (WC), Douglas County (DC), and the Nevada Department of Transportation (NDOT) in the Lake Tahoe Basin. This consists of final development of Stormwater Load Reduction Plans for each jurisdiction which demonstrates their capability to meet TMDL goals. These Plans are essential for laying out how jurisdictions will meet their TMDL load reduction obligations under a Memorandum of Agreement with the Nevada Department of Environmental Protection. During FY 14 NTCD worked with jurisdictions to develop individual implementation plans that are capable of meeting the 5, 10, and 15-year TMDL load reduction goals. Plans will combine the strategies identified in the Existing Conditions Report and supplemental Load Reduction Analysis Report (both to be completed in Phase 1b (October, 2013) that achieve the largest pollutant load reductions; and will be recommended based on the results of PLRM simulations, cost/benefit analysis, and key implementation considerations.

### **Washoe County Support Services**

Provide GIS, Inventory, and modeling support (time and materials) to Washoe County to help complete a series of products for the TMDL including defining and characterizing an Urban Planning Catchment, mapping all stormwater assets, running several Pollutant Load Reduction Model (PLRM) configurations.

### **Hybrid BMP Project**

The Project was constructed in November 2011 and monitored for two years. Monitoring finished in December 2013 and a Final Report finalized in June 2014 summarizing the monitoring data and project success. The monitoring equipment is currently still on site and NTCD is seeking additional funding from NDEP and NDSL to continue monitoring in order to gain long-term monitoring data on the LID infiltration features within the Washoe County right of way along Village Blvd. between Ace Ct. and Golfers Pass. Monitoring results were very promising with a runoff volume reduction of 68% which was greater than expected and point to project success. Results have been presented to the Nevada Water Environment Association's 2012 annual conference and the California Stormwater Quality Association's 2013 annual conference. A final report was shared with the Technical Advisory Committee in June 2014 and the project is now considered complete. The Project was awarded TRPA's "Best in Basin Award" for erosion control project of 2012.

### **Rosewood Creek water quality monitoring**

The sampling system below Northwood Blvd. is operational and is monitoring Rosewood Creek flow. Combined with an identical monitoring system operated by DRI downstream of SR28, the data collected will help determine the water quality benefit of constructing the restoration.

### **Stateline Stormwater Association**

The SSWA contract is on a month-to-month basis until the service is re-bid.

## CONSERVATION PLANNING PROJECTS

The Nevada Tahoe Conservation District, in cooperation with the USDA Natural Resources Conservation Service (NRCS) and Nevada Division of Environmental Protection (NDEP) provides private landowners with conservation education, technical assistance, and Stormwater BMP conservation plans and still uses information approaches from the Backyard Conservation Program (BCP). Conservation plans for private parcels include recommendations for runoff management and stormwater treatment, slope stabilization, soil protection, noxious weed removal, re-vegetation with native and adapted plants, water and fertilizer management, pest management, wildlife habitat improvements, forest management and reduction of fire hazards. NTCD promotes the program through a Community Watershed Planning process in individual communities that include workshops, educational publications, and on-site visits with homeowners.



The Backyard Conservation Program enables property owners to implement effective land management practices reducing sediment and nutrient impacts on water quality in Lake Tahoe. The program also assists landowners to comply with local ordinances and Basin-wide water quality strategic plans such as the Environmental Improvement Program's project number 16: Best Management Practices (BMP) Retrofit Program.

During FY 2014 the NTCD continued to develop the technical assistance and services provided by the BCP concepts. A number of goals were achieved during the year.

The NTCD has been successful in securing funding for most of 2015 fiscal year. Primary sources of funding include Nevada Division of Environmental Protection (NDEP), Nevada Division of Forestry (NDF), Nevada Division of State Lands (NDSL), Washoe County, Douglas County and from United States Environmental Protection Agency (US EPA).

### **North Lake Tahoe Demonstration Garden**

One of the accomplishments was the continued assistance of the North Lake Tahoe Demonstration Garden (NLTDG). During the fiscal year in 2014 NTCD organized classes and assisted with events at the garden. NTCD continues working with the NLTDG to plan next season's activities and continue with the garden's development. The garden is now basically completed and offers visitors great physical examples of properly installed and maintained BMPs.

### **BMP Planning Assistance**

As of June 30<sup>th</sup> 2014 the Tahoe Regional Planning Agency (TRPA) has mailed a total of 1047 "Accelerated Implementation" or Enforcement letters to residents. Some Properties have received more than one letter. In the past, letters were sent to high priority watersheds in

Incline Village and Kingsbury Grade. This field season letters were sent again to private property owners within Incline Village, NV. In accordance with our agreement with the TRPA, NTCD provided technical assist with enforcement properties again for the 2013 & 2014 field seasons. The BCP staff has assisted over 876 properties with full BMP Site Evaluations or other Technical Assistance. In all, the NTCD has assisted 368 of these "Accelerated Implementation" properties to gain "Certificates of Completion" from TRPA. Another important accomplishment of the past year included completion of 79 BMP site evaluations facilitation of BMP implementations on 85 private residences resulting in a Final Certificate issued from TRPA (source control with site constraints and full storm water infiltration), 138 homeowners received technical assistance over the phone and the delivery of technical assistance to 349 homeowners on a variety of conservation issues. The total assistance provided is over 651 contacts with homeowners.

During FY 2014 the NTCD continued to emphasize the importance of multi-resource conservation planning. The following are examples of projects and priorities implemented by the District during Fiscal Year 2014:

- Continued Community Watershed Planning in the Lake Tahoe, Nevada.
- Continued expansion to shift focus from Single Family Residential stormwater BMPs to Area Wide Conservation Planning and forest health.

**Invasive Weeds**

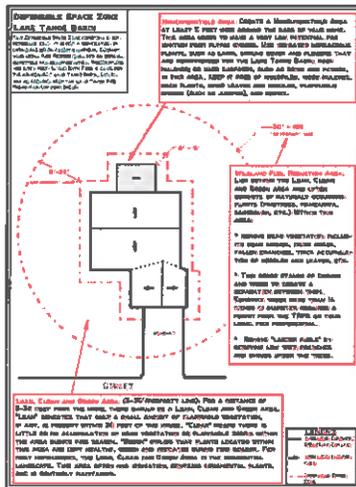
The NTCD made progress on deliverables for the 2013-2014 "Invasive Weed Abatement" grant from the Nevada Division of State Lands' "Lake Tahoe License Plate Program". Through this grant the NTCD entered into an interlocal agreement with Douglas County to conduct the treatment and mapping of invasive weeds within the right of way with in Washoe County within the Lake Tahoe Basin. The CPG has worked with NDSL and successfully implemented this work and scope over the past nine field seasons. The project successfully treats large areas of invasive weeds within the "right of way" on the Nevada side of Lake Tahoe's basin.



**Invasive Weeds - Bull Thistle and Skeleton Weed**

## Fire Defensible Space

In an effort to be consistent with recommendations the NTCD, NRCS and TRPA - BMP evaluators continued to work on collaboration with the Fire Protection Districts and Fire Safe Council Chapters. Together the groups have identified different options for working together and for delivering the same message to homeowners and public on current Fire Defensible Space recommendations. BMP Evaluators and Fire Defensible Space Evaluators continue using the current "Living with Fire" guidelines when making recommendations for Fire Defensible space and BMPs. Conservation Districts continue to hand out information with site plans about the FDS zones.



## Education and Outreach / Technology Transfer

NTCD staff helped coordinate and present information at the 2014 Contractors Workshop at the Sierra Nevada College and the Contractors Refresher Workshop at TRPA. Presentations were given to contractors on the correct techniques and technology for proper installation of BMPs. The target audience is professionals who install BMPs. The CPG assisted in the coordination of the outdoor session this year. The Contractors Workshop had about 55 participants. The Refresher Workshop had about the same amount of participants.



**Contractors Workshop and the Contractors Refresher Workshop**

### **Tahoe Yellow Cress**

The NTCD attended Tahoe Yellow Cress meetings. The CPG has obtained funding to lead in the outreach and education efforts to inform lake front homeowners about Tahoe Yellow Cress. Work performed toward these efforts was funded by Nevada Division of Forestry. The funding pays for NTCD to conduct these activities and work with the AMWG group on the goal of maintaining habitat for Tahoe Yellow Cress. This Project assisted in protection of important Tahoe yellow cress (TYC) habitat, helping to insure enhancement, recovery, and protection of the species. NTCD provided education about TYC to the general public through 5 volunteer stewardship plantings and outreach at 9 other events. It created 10 sites specific TYC conservation plans and planted at 4 different private properties. NTCD propagated of 1500 Tahoe yellow cress plants that were used on these private and public planting for this project. Seed was collected for this project during September 2013 to ensure a seed bank is available for future projects of this kind. All of these activities support the Tahoe yellow cress Conservation Strategy by engaging private lakefront landowners in TYC stewardship and educating the general public about TYC.



**Tahoe Yellow Cress**

### **Community Watershed Planning**

NTCD made progress on the United States Environmental Protection Agency (US EPA - SNPLMA) funded project. The projects goals are to assist private property owners, commercial businesses, and local jurisdictions with TMDL implementation through a community-based watershed approach. The intent is to focus the community on implementation and maintenance of individual and merged BMPs for protection and restoration of water quality. Through an integrated strategy for community outreach, education and information sharing, the NTCD will increase the communities' knowledge of restoration objectives, opportunities for improving environmental stewardship, and continuation of the BMP retrofit program. This project aims to connect the private and public works EIP projects while being adapted to local community priorities. The NTCD continues to provide BMP assistance, BMP area planning assistance, maintenance verification protocols development and conservation planning assistance to two focus communities. Lower Country Club and Cave Rock are the communities that NTCD has focused efforts.

In these focus areas project accomplishments include:

- Provided solutions for sediment control, fire defensible space, water conservation and drinking water protection, invasive and noxious weeds, and other pertinent resource issues within the focus areas.
- Identified watershed stakeholders and engaged them in the community scale restoration scoping, targeting EIP and TMDL implementation. Provided coordinated outreach and education efforts within communities to avoid duplication and conflicting messages, and make the best use of available resources.
- Coordination and application of scientific information specific to the watershed areas.
- Planning for the transfer of practices, methodology, lessons learned, etc to other key watersheds in the Tahoe Basin.

Direct project benefits will include source control, assisting jurisdictions in meeting environmental standards, enhancement of natural/pre-development hydrologic cycle. Secondary effects/benefits include increased understanding and awareness of local environmental issues amongst community members, ability to transfer technology across sub-watersheds and promoting regional stormwater management approaches where these are superior to individual parcel-based BMP retrofits.

## **COMMUNITY PARTNERSHIPS**

During Fiscal Year 2014, funding was provided by each of the three local county governments within NTCD's boundaries to support NTCD's conservation efforts. The funds provided by Douglas and Washoe Counties, and Carson City has and will continue to be essential to NTCD operations.

### **DOUGLAS COUNTY BOARD OF COMMISSIONERS**

NTCD applied for a community grant from the Board of Douglas County Commissioners. The grant was approved, and received, for \$10,000.

### **CARSON CITY BOARD OF SUPERVISORS**

NTCD also applied for and received a community grant from the Carson City Board of Supervisors. Although there are very few developed areas within the Carson City Rural Area, the Board of Supervisors has recognized the benefits of protecting Lake Tahoe Basin natural resources, for the thousands of residents and visitors who vacation and recreate in the basin. The District supports the City's engineering department with residential BMP information.

### **WASHOE COUNTY BOARD OF COMMISSIONERS**

Washoe County provides NTCD with legal support through its District Attorney's office. During the past year the District worked closely with the District Attorney's office to develop cooperative agreements and contracts which were used to provide funding to many of our local partners.

**THE FUNDING PROVIDED BY WASHOE AND DOUGLAS COUNTIES AND CARSON CITY IS AN ESSENTIAL PART OF THE NEVADA TAHOE CONSERVATION DISTRICT'S ABILITY TO CONTINUE OPERATIONS AND WE CAN NOT THANK THEM ENOUGH FOR THEIR SUPPORT.**

## **OTHER PARTNERS**

NTCD is involved in several other partnerships in addition to our Community Partnerships. NTCD currently has Memorandums of Understanding or contracts with the USDA Natural Resources Conservation Service, the United States Environmental Protection Agency, the Nevada Division of Environmental Protection, the Nevada Division of State Lands, and the Tahoe Regional Planning Agency. We are fortunate to have such a diverse and engaged group of partners who are dedicated to natural resource issues at Lake Tahoe.

Working groups are also an important partnership NTCD is actively involved with. Our current participation includes:

- Lake Tahoe Interagency Monitoring Program
- Lake Tahoe Environmental Education Coalition
- Lake Tahoe Weed Coordinating Group
- Stormwater Quality Improvement Committee
- Nevada Tahoe Water Suppliers Association
- TRPA Pathway Technical Working Groups
- TRPA Pathway Forum
- Lake Tahoe Federal Advisory Committee
- Nevada Stormwater Association
- Tahoe Interagency Executive Committee
- Washoe Tribe of Nevada
- UNCE
- Parasol Foundation
- Bonanza Community Meeting Forum
- Nevada Biomass Working Group
- Tahoe Yellow Cress Working Group and Executive Committee.

## **FUNDING**

Nevada Tahoe Conservation District funding during FY 2014 was provided by Local, State and Federal partners including:

**LOCAL**

Washoe County  
Douglas County  
Carson City  
Glenbrook HOA  
Cave Rock, GID

**STATE**

NV Division of State Lands  
NV Division of Conservation Districts  
NV Division of Environmental Protection  
NV Division of Forestry

**FEDERAL**

USDI Bureau of Reclamation  
USDA Natural Resource Conservation Service  
USDA Forest Service  
US Environmental Protection Agency

**Private**

Stateline Stormwater Association  
Private Agreement

A comprehensive overview of the District's finances is available in our FY – 2014 annual audit.  
A copy of which is available at the district.

**YEAR-END FINANCIAL REPORT**  
**NEVADA TAHOE CONSERVATION DISTRICT**  
**SUMMARY OF RECEIPTS**

For the Fiscal Year Ending June 30, 2014

**RECEIPT SOURCE** **AMOUNT**

<b>State Funds</b>	<b>3,630</b>
<b>County Funds</b>	<b>10,000</b>
<b>City Funds</b>	<b>3,000</b>
<b>Other Government Funds (specify)</b>	
<b>Administrative Income (specify)</b>	<b>199,793</b>
<b>Interest – CD, Savings and Checking</b>	
<b>Grants for projects (specify)</b>	<b>1,041,264</b>
<b>Rental Income (equipment, etc.)</b>	
<b>Contributions</b>	
<b>Building/Property Rental Fees</b>	
<b>Other Sources of Income</b>	
<b>TOTAL INCOME</b>	<b>1,257,687</b>

**YEAR-END FINANCIAL REPORT**

**FINAL FINANCIAL REPORT DUE SEPT. 30<sup>TH</sup>**  
**TO: STATE CONSERVATION COMMISSION**  
**CONSERVATION DISTRICTS PROGRAM**  
**901 S. STEWART STREET #101, CARSON CITY, NV 89701**  
**PHONE (775) 684-8600 FAX- (775) 684-2715**

**NEVADA TAHOE CONSERVATION DISTRICT**  
**SUMMARY OF EXPENDITURES**

For the Fiscal Year Ending June 30, 2014

<u>EXPENDITURE</u>	<u>AMOUNT</u>
Employee Salary	690,260
Fringe Benefit Expense (included in employee salary)	
Travel	
Building Rent	28,200
Telephone	5,940
Insurance	5,099
Postage	1,130
Copying Expense	4,949
Office Supplies	1,695
Education & Information Expenses	3,340
Equipment Purchase (specify)	
Equipment Expenses (maintenance, repair, operation)	8,358
Dues – NvACD	600
Dues – NACD	200
Dues - Other	54
Mileage	873
Investments (specify)	
Internet	
Bond and Insurance Expenses	
Project Costs:	
Cumulative subcontractor pass through	476,755
Other Expenses (specify)	
Professional Fees	13,004
Other expenses not categorized	700
Settlement Expense	3,500
<b>TOTAL EXPENSES</b>	<b>1,244,657</b>

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# NEVADA TAHOE CONSERVATION DISTRICT FINANCIAL SUMMARY

For the Fiscal Year Ending June 30, 2014

**1. BEGINNING OF YEAR FUND BALANCE:**

**(Must Equal Funds Reported From End of Previous Fiscal Year)**

<b>a. List all bank accounts:</b>	
Certificate of Deposit .....	\$ _____
Checking Account .....	\$ <u>35,029</u>
Savings Account .....	\$ _____
<b>b. Cash on hand .....</b>	<b>\$ <u>50</u></b>
<b>c. Total fund balance .....</b>	<b>\$ <u>35,079</u></b>
<b>d. Accounts receivable grants .....</b>	<b>\$ <u>434,743</u></b>
<b>e. Accounts payable .....</b>	<b>\$ <u>317,391</u></b>
<b>f. Total funds available.....</b>	<b>\$ <u>152,431</u></b>

**2. END OF YEAR FUND BALANCE:**

<b>a. List all bank accounts:</b>	
Checking Account .....	\$ <u>25,075</u>
Savings Account .....	\$ _____
<b>b. Cash on hand .....</b>	<b>\$ <u>50</u></b>
<b>c. Total fund balance .....</b>	<b>\$ <u>25,125*</u></b>
<b>d. Accounts receivable grants .....</b>	<b>\$ <u>228,731</u></b>
1. Grant #1 _____ - \$ _____	
2. Grant #2 _____ - \$ _____	
<b>e. Accounts payable .....</b>	<b>\$ <u>93,161</u></b>
1. Item #1 _____ - \$ _____	
2. Item #2 _____ = \$ _____	
<b>f. Total funds available.....</b>	<b>\$ <u>160,695</u></b>

**3. SUMMARY:**

<b>a. Beginning of year fund balance (1.c. above).....</b>	<b>\$ <u>35,079</u></b>
<b>b. Plus total receipts (from Receipt Summary).....</b>	<b>\$ <u>1,257,687</u></b>
<b>c. Less total expenditures (from Expense Summary)....</b>	<b>\$ <u>1,244,657</u></b>
<b>d. Must equal end-of-year fund balance (2.c. above).....</b>	<b>\$ <u>48,109*</u></b>

**\*(3d. will not equal 2c. The revenue reported at 6/30/14 is not fully received.)**

**4. ASSETS: List all assets (equipment, land, buildings, etc.) and estimate their value:**

<b>a. Vehicles .....</b>	<b>\$ <u>24,000</u></b>
<b>b. Equipment .....</b>	<b>\$ <u>18,000</u></b>
<b>c. ....</b>	<b>\$ _____</b>

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CONSERVATION DISTRICTS PROGRAM  
901 S. STEWART STREET #101, CARSON CITY, NV 89701  
PHONE (775) 684-8600 FAX- (775) 684-2715*

**NEVADA TAHOE CONSERVATION DISTRICT**

**For the Fiscal Year Ending June 30, 2014**

**USE OF STATE APPROPRIATED MONEY**

Amount of State Appropriated Money: \$ 3,629.62

Money Spent:

Category (specify) Administrative \$ 3,629.62

Matching Funds Spent:

Category (specify) \$ .00

Balance Remaining: \$ 0.00



Authorized Signature:

Name and Title: Mark Thorpe, Administrator Date: September 18, 2014

NEVADA TAHOE CONSERVATION DISTRICT

**FINAL FINANCIAL REPORT DUE SEPT. 30<sup>TH</sup>  
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