



Position Description

Sierra Nevada AmeriCorps Partnership

Position Title: Trail monitor/restoration technician
Host Site: Center for Sierra Nevada Conservation
Site Supervisor: Karen Schambach
Contact: csnckaren@gmail.com Phone: 530-305-0503

Position Location: Placerville, CA

Organization Description: CSNC was founded in 1986 to address habitat and watershed damage and needs on the Eldorado National Forest. Our historic role has been one of challenging or seeking to modify projects that threatened wildlife habitat or watershed health. We are embarking on a new role of working with the Eldorado NF on watershed and habitat restoration. We depend on volunteers for the most part, but we have also been recently awarded a third State restoration grant, which will allow us to have a greater beneficial impact, but also require that we have trained people on the ground regularly. Our focus has been responsible management of off-road vehicles on our public lands and decommissioning and restoration of unauthorized roads and trails, to minimize damage to streams and rivers, sensitive plants and wildlife habitat.

Program Description: CSNC is expanding our outreach and watershed restoration programs. This program includes one full time and one-part time staff position, plus a full time restoration technician, and a part time restoration technician. This team identifies unauthorized, damaging vehicle use areas and documents them, using GPA. The site is written up, cleared for work by a botanist and archaeologist, and restored. Previously restored sites are monitored for successful vehicle exclusion and restoration. We use volunteers for several restoration projects each year.

Position Description: Restoration activities will include monitoring to identify user-created routes and GPS tracking, placing physical barriers, raking or disguising vehicle tracks, mulching impacted areas with native materials, and, where appropriate, planting native vegetation or seed to restore areas to natural conditions. This project is intended to reduce impacts to soils, vegetation, and water quality, as well as protect other resource values such as wildlife habitat, sensitive plants, heritage resources, and visual quality. Restoration work will be completed by hand using conventional hand tools. The restoration areas will be monitored for the effectiveness of restoration measures. CSNC and ENF staff will also develop documentation protocols for sites needing extensive restoration in the future. Documentation at these restoration sites will consist of GPS location, photo documentation,

listing of observable impacts and presence of observable sensitive resources, initial mapping of the site, and suggested restoration measures.

Required Qualifications: Position will require ability to drive a 4-wheel drive vehicle on rough dirt roads; be outside for up to 8 hours a day. Applicant must be physically fit and able to use hand tools. May be required to carry poles or other materials for barriers. Must be able to navigate by using a map. Position includes management of data, so good organizational skills are needed.

Desired Qualifications: Familiarity with GPS, GAIA. Knowledge of geology and/or botany a plus.

Additional Benefits: Spend a summer in the woods! Learn useful skills.

Website: SierraNevadaConservation.org



Member Service Plan Sierra Nevada AmeriCorps Partnership

Host Site: Center for Sierra Nevada Conservation
Position Title: Trail Monitor and Restoration Tech
Designated Site Supervisor: Karen Schambach

Term of Service: October 2016- September, 2017

Organizational Background: The Center for Sierra Nevada Conservation is based in El Dorado County. It was founded in 1985 and incorporated as a non-profit 501 (c)3 in 1986. CSNC has been at the forefront of state and national efforts to ensure responsible management of off-road vehicles on our public lands. We have also worked for the protection of wildlife habitat and connectivity in El Dorado County, primarily through the General Plan policies. We now have a MOU with the Eldorado National Forest to monitor and restore ORV damage on the forest.

Replace this text with one to two paragraphs about your organization's background.

Organizational/Program Goals- 2016/2017: *We aim to continue working in cooperation and coordination with the Eldorado National Forest to restore lands damaged by illegal vehicle use. In addition, we want to focus on building CSNC's membership and volunteer base in order to increase our restoration capacity. We want to improve and increase public education about responsible use of public lands.*

Member Service Plan Overview and Outcomes:

Member will monitor areas within the Eldorado National Forest (ENF) where motor vehicle travel off designated routes has occurred; restore areas where restoration can be accomplished without ground disturbance, and document sites needing more extensive restoration for future planning. The ENF has designated roads and trails for motor vehicle use. Travel off designated routes may cause impacts to sensitive resources such as cultural sites, sensitive plants and wildlife, disturb hydrologic function, etc. This project will help eliminate damage from off-route travel by focusing monitoring and restoration in known areas of high risk for OHV incursion such as corridors and areas of high use and in sensitive areas such as lava-cap sites.

Service Position Major Projects: *If you have a project that fits into one or more categories, please include it in the first section it fits into, and in the secondary category, simply put the title of the project and fill out the hours and outcomes for the other category.*

1. Watershed Restoration and Assessment:

a. Priority Project: This project will consist of CSNC and ENF Staff working together using protocols developed in 2014/2015 for determining “non-ground-disturbing” restoration work that can be done without requiring further environmental analysis. This allows off-route impacts to be quickly restored when impacts are found. The Member will team with a staff member and be trained to monitor routes and areas and to restore impacted areas following the pre-established criteria, and document impacted areas that require ground-disturbing restoration work in sufficient detail to develop future restoration proposals.

Additional volunteers will also be used where restoration is needed over a large area. Restoration activities will include monitoring to identify user-created routes and GPS tracking, placing physical barriers, raking or disguising vehicle tracks, mulching impacted areas with native materials, and, where appropriate, planting native vegetation or seed to restore areas to natural conditions. This project is intended to reduce impacts to soils, vegetation, and water quality, as well as protect other resource values such as wildlife habitat, sensitive plants, heritage resources, and visual quality. Restoration work will be completed by hand using conventional hand tools. The restoration areas will be monitored for the effectiveness of restoration measures.

CSNC and ENF staff will develop documentation protocols for sites needing extensive restoration in the future.

Documentation at these restoration sites will consist of GPS location, photo documentation, listing of observable impacts and presence of observable sensitive resources, initial mapping of the site, and suggested restoration measures. *Team will be responsible for providing the restoration site data, photos and restoration plan to their site supervisor and Eldorado National Forest archaeology and botany departments for clearance.*

Member will be responsible for the above, as well as keeping track of his/her hours and vehicle mileage.

i. Projected Hours: We estimate a total of 1,795 hours

ii. Estimated Acres Restored: Total acres to be restored will depend on the number of illegal routes discovered, and whether the route can be obliterated without additional environmental documentation. However, the estimated acreage of areas to be restored is between 5 to 10 acres (based on the expectation that 3 to 10 sites will be identified and treated each week of monitoring, with impacted areas ranging from 200 sq. ft. to over 1 acre. Data will be collected regarding an additional 3 to 5 acres to be used for planning of future restoration.

1. Acres Restored by Member (ONLY): As above, the total acres to be restored by the Member will depend on how sites meet the criteria developed for the project by CSNC and the Forest Service, to determine what routes can be restored immediately and what will need additional analysis.

- b. Watershed Restoration and Assessment Totals:**
 - i. Total Projected Hours: 1,600 hours**
 - ii. Total Estimated Acres Restored: Acres to be restored will depend on the number of illegal routes discovered, and whether the route can be obliterated without additional environmental documentation.**
 - 1. Total Member Acres Restored: acres to be restored will depend on the number of illegal routes discovered, and whether the route can be obliterated without additional environmental documentation.**
 - 2. Watershed Education and Outreach**
 - a. Priority Project: Public watershed outreach and education – 15 hours.**
 - 3. Volunteer Recruitment and Support: Not Applicable**
 - 4. Resource Attainment: (Please note that Members can complete no more than 170 hours of Resource Attainment Activities. Resource Attainment activities must raise money that goes directly to Member service projects. Members may NOT raise general funds, write federal grants, or write grants to cover your site's cash match.)**
 - a. Priority Project: NOT APPLICABLE.**
 - 5. Member Training and Development: (Please note that Members can complete no more than 340 hours of training.)**
 - a. SNAP Specific Trainings: Required SNAP Member Orientation, Spring Training and Service Projects, Fall Training and Sierra Nevada Alliance Annual Conference, and Graduation**
 - i. Projected Hours: 130 Hours**
 - b. Site Specific Orientation: Introduction to staff and board members, history of CSNC, introduction to Forest Service partners, NEPA basics, safety.**
 - i. Projected Hours: 10**
 - ii. Site Specific Training: watershed restoration skills, safety, use of tools, chainsaw training, data management, including GIS and GAIA.**
 - iii. Projected hours: 40 Hours.**
 - c. Member Training and Development Totals:**
 - i. Total Projected Hours: 180**
- 6. Total Hours: 1,785**
- 7. Percentage Totals:**
 - a. Watershed Restoration and Assessment: 90%**
 - b. Watershed Education and Outreach: .8%**
 - c. Volunteer Recruitment and Support: 0%**
 - d. Resource Attainment: 0**
 - e. Member Training and Development: 10%**