



## Position Description

### Sierra Nevada AmeriCorps Partnership

<b>Position Title:</b> Natural Resources Field Crew Lead
<b>Host Site:</b> California State Parks, Northern Buttes District
<b>Site Supervisor:</b> Jim Dempsey, Environmental Scientist
<b>Contact:</b> <a href="mailto:jdempsey@parks.ca.gov">jdempsey@parks.ca.gov</a> 530-990-2448

**Position Location:** Chico, California – working in 11 State Parks in Northern California. Chico is a small city of 100,000 surrounded by the fruit, nut, and rice growing area of the Sacramento Valley and is the home of California State University at Chico and 3,700 acre Bidwell Park.

**Organization Description:** The California Department of Parks and Recreation manages over 280 parks which contain the most diverse collection of natural, cultural, and recreational resources in the nation. Northern Buttes District includes 14 parks in nine Counties in Northern California.

**Program Description:** California State Parks provide for the health, inspiration and education of the people of California by helping to preserve the state's extraordinary biological diversity, protecting its most valued natural and cultural resources, and creating opportunities for high-quality outdoor recreation.

**Position Description:** The natural resources field crew carries out stewardship projects such as habitat restoration of riparian forest, oak woodlands, grasslands, and mixed conifer forest, invasive plant and animal species control, GPS feature surveys with GIS mapping, volunteer event organization, fence installation, and native plant nursery management.

**Qualifications:** A high degree of physical fitness is required – must be able to walk all day, occasionally carrying 25 pounds while working off trail in wildlands in rain or over 90-degree heat. Demonstrated outdoor manual labor experience is required. College coursework or experience related to plant sciences or natural sciences highly desired, GPS/GIS experience a plus. Must be self motivated and able to work independently, keep detailed records, take direction, communicate freely and work well with a variety of people, keep work spaces tidy and organized, and provide a good driving record. Position is subject to successful completion of a background check.

**Website:** <http://www.parks.ca.gov>



## Member Service Plan Sierra Nevada AmeriCorps Partnership

**Host Site:** California State Parks, Northern Buttes District

**Position Title:** Natural Resources Management Field Crew Lead

**Designated Site Supervisor:** Jim Dempsey, Environmental Scientist, [jdempsey@parks.ca.gov](mailto:jdempsey@parks.ca.gov)

**Term of Service:** Mid-October 2016 – Mid-September 2017, exact dates TBA

**Organizational Background:** California Department of Parks and Recreation manages more than 280 park units, which contain the most diverse collection of natural, cultural, and recreational resources in the nation. Northern Buttes District includes 14 parks in nine Counties in Northern California.

**Organizational/Program Goals 2015-16:** Our Mission is to provide for the health, inspiration and education of the people of California by helping to preserve the state's extraordinary biological diversity, protecting its most valued natural and cultural resources, and creating opportunities for high-quality outdoor recreation.

**Member Service Plan Overview and Outcomes:** The natural resources field crew members conduct stewardship activities such as habitat restoration of riparian forest, oak woodlands, grasslands, and mixed conifer forest, invasive plant and animal species control, GPS feature surveys with GIS mapping, volunteer event organization, native plant nursery management, fence installation.

### Service Position Major Projects:

#### 1. Watershed Restoration and Assessment:

- a. **Priority Project:** Invasive plant control in wildlands of 11 parks. Survey invasive plants with a GPS receiver, map them into the geographic information system, prioritize targets according to protocols, and employ integrated pest management control methods in concert with habitat restoration of wetland, riparian forest, oak woodland, chaparral, grassland, and mixed conifer forest, under training and direction provided by experienced staff natural resources manager.
  - i. **Projected Hours:** 1280 hours
  - ii. **Estimated Acres Restored:** 247 acres
    1. **Acres Restored by Member (ONLY):** 198 acres
- b. **Priority Project:** Install feral pig and cattle exclusion fencing. Prevent feral pigs a.k.a. 'ecosystem engineers' from further destruction of park natural (e.g. erosion stream siltation) and cultural resources with installation of robust exclusion fencing, and assist with trapping. Training and direction provided by experienced staff.

- i. **Projected Hours:** 240 hours
    - ii. **Estimated Acres Restored:** 360 acres
      - 1. **Acres Restored by Member (ONLY):** 216 acres
  - c. **Watershed Restoration and Assessment Totals:**
    - i. **Total Projected Hours:** 1520 hours
    - ii. **Total Estimated Acres Restored:** 607 acres
      - 1. **Total Member Acres Restored:** 414 acres
- 2. **Watershed Education and Outreach**
  - a. **Priority Project:** Work in concert with local The Stream Team to develop volunteer habitat restoration event at Lake Oroville North Forebay hillside spring riparian habitats. Identify habitat restoration needs scoped to the event, plan, solicit, advertise and organize volunteers. Assist with school children water education program.
    - i. **Projected Hours:** 80 hours
    - ii. **Estimated Education Outcomes:**
      - 1. **Presentations** 60 people
      - 2. **Outreach** 30 people
  - b. **Priority Project:** We have a number of ideas about possible volunteer events working with particular stakeholder groups and/or the general public – identify a project and carry it out.
    - i. **Projected Hours:** 60 hours
    - ii. **Estimated Outcomes:**
      - Outreach 25 people
  - c. **Watershed Education Totals:**
    - i. **Total Projected Hours:** 140 hours
    - ii. **Total Estimated Outcomes:**
      - 1. **Presentations:** 60 people
      - 2. **Outreach:** 55 people
- 3. **Volunteer Recruitment and Support:**
  - a. **Priority Project:** *See 2.a. above*
    - ii. **Estimated Outcomes:**
      - 1. **Number of Volunteers Recruited:** 30
      - 2. **Total # of Hours Served by Volunteers:** 90
  - b. **Priority Project:** *See 2.b. above*
    - ii. **Estimated Outcomes:**
      - 1. **Number of Volunteers Recruited:** 25
      - 2. **Total # of Hours Served by Volunteers:** 75
  - c. **Volunteer Recruitment and Support Totals:**
    - i. **Total Projected Hours:** accounted for in 2.c.i. above.
    - ii. **Total Estimated Outcomes:**
      - 1. **Number of Volunteers Recruited:** 55
      - 2. **Total # of Hours Served by Volunteers:** 165

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:** Role and organizational structure, access and procedures for tools including computer systems, park gates and buildings, refueling and supply storage areas, emergencies, etc.
    - i. **Projected Hours:** 40 hours
  - c. **Site Specific Training:** Native and invasive plant identification, habitat restoration methods for wetlands, riparian forest, oak woodlands, chaparral, grasslands, and mixed conifer forest, native plant propagation and nursery management, barbed wire fence construction, use of GPS (Global Position Satellite) receivers to feature mapping protocols and GIS (Geographic Information System), IPM (integrated pest management) methods for wildland invasive plants and animals, WHIPPET (Weed Heuristics Invasive Prioritization for Eradication Tool), herbicide applicator training, safety trainings such as for manual tools, chainsaws, vehicles including ATV (All Terrain Vehicle), Defensive Driving, First Aid, hazards of working in wildlands (dehydration, heat, ticks, rattlesnakes).
    - i. **Projected Hours:** 80 hours.
  - d. **Member Training and Development Totals:**
    - i. **Total Projected Hours:** 120
6. **Total Hours:** 1760
7. **Percentage Totals:**
  - a. **Watershed Restoration and Assessment:** 85%
  - b. **Watershed Education and Outreach:** 5%
  - c. **Volunteer Recruitment and Support:** 3%
  - d. **Resource Attainment:** 0
  - e. **Member Training and Development:** 7%