

Jacob Dixon

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EDUCATION

Oregon State University | *Corvallis, OR* Jan 2026 – Present

Geographic Information Science Graduate Certificate

California Polytechnic State University | *San Luis Obispo, CA* Sep 2018 – Jun 2022

B.S. Animal Science, *Animal Science Department Outstanding Senior*

EXPERIENCE

Business Tools Coordinator – Natural Resources Conservation Service | *San Bernadino, CA* Nov 2024 – Sep 2025

- Led state-wide training for NRCS staff on business tools, spatial data workflows, and program tracking.
- Provided planning support for offices across Southern California.
- Developed ArcGIS geodatabase, project, and map templates to streamline environmental review and conservation planning processes.
- Designed automated approval procedures for tracking conservation plans in Microsoft Power Automate and SharePoint.
- Provided technical support and user feedback for Conservation Desktop/CART, a digital tool for agency records management and mapping systems.
- Generated region-wide progress reports to monitor conservation program performance across Southern California.

Natural Resource Specialist – Natural Resources Conservation Service | *Santa Maria, CA* Aug 2022 – Nov 2024

- Served in leadership roles including Eastern and Southern California Rangeland Fundpool Lead in FY24 and FY25.
- Managed 26 active conservation contracts; created conservation plans to address resource concerns including invasive plant pressure, wildlife habitat, and water quality on rangeland, forest, and cropland land uses.
- Documented natural resource conditions using line point intercept, soil sampling, and rangeland health indicators; mapped infrastructure using GPS.
- Collaborated with partner organizations including USFWS Partners for Fish and Wildlife Program and the Xerces Society to plan and implement wildlife conservation and habitat restoration projects.
- Conducted outreach events at local pride fair, college career fairs, and community organizations.

Livestock/Range Mgmt. Technician – Swanton Pacific Ranch | *Davenport, CA* Jun 2020 – Sep 2020

- Performed ranch duties for cow/calf and stocker operation on 1600 acres of coastal rangeland; assisted with forestry, crop production, and watershed management operations.
- Planned grazing management using production measurements, PastureMaps, and Excel to digitize historic stocker contracts on the ranch and assist in decision making about future stocking numbers.
- Employed Esri FieldMaps to map fence infrastructure conditions following CZU August wildfire.
- Conducted soil research monitoring impacts of cattle on soil bulk density and water holding capacity.
- Operated equipment including OHVs, chainsaws, and heavy equipment to maintain trails, water systems, and facilities.

Range Management Student Trainee – Natural Resources Conservation Service | *Santa Maria, CA* Jun 2021 – Aug 2022

Student Manager – Cal Poly / Swanton Pacific Ranch | *San Luis Obispo, CA* Sep 2019 – Jun 2020

Livestock/Range Management Intern – Swanton Pacific Ranch | *Davenport, CA* Jun 2019 – Sep 2019

SKILLS

- ArcGIS Pro Spatial Analysis & Cartography
- Contract Management
- Verbal and Written Communication
- Python
- Rangeland Monitoring
- Native planting and invasive weed control

AWARDS & ACTIVITIES

- **Workshop Presenter** – Central Coast Rangeland Coalition; Fall 2024
- **Protégé** – NRCS Mentoring Program; 2023
- **1st Place Poster**, Rangeland Cup – Society for Range Management; 2021
- **Club President** – Poly Range and Wildlands; 2019 – 2021

RELEVANT COURSEWORK

- Rangeland Management Planning
- Rangeland Soil Analysis and Management
- Managing for Excellence
- Interpreting Indicators of Rangeland Health

VOLUNTEER EXPERIENCE

Earth Team Volunteer – Natural Resources Conservation Service | *Lancaster, CA* Jan 2026 – Present

GIS Intern (Lewis & Clark National Historic Trail) – National Park Service | *Remote* Jan 2026 – Present

Onboarding Co-Lead – Sunrise Movement | *Los Angeles, CA* Feb 2025 – Present