

Sean P. O'Neill

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Education

8/2010 – 12/2014 **University of New Mexico (UNM)**

- Bachelors of Science, Biology and Minors in Chemistry and Psychology.

8/2019 -Present. **University of New Mexico (UNM)**

- Master in Water Resources

Professional Experience

07/2022 - Present **City of Albuquerque Park and Recreation Department** *City Forester*

- Oversee the planting, maintenance and removal of all trees and other vegetation within the City and to formulate rules and regulations and issue permits, for such planning, maintenance and removal; implement and enforce the Albuquerque Pollen Control and Street Tree Ordinances; supervise, plan and coordinate forestry activities and operations within the Park Management Division of Parks and Recreation Department; coordinate assigned activities with other divisions, outside agencies and the general public; and provide highly responsible and complex staff assistance to the Parks Superintendent.

9/2021 - 07/2022 **City of Albuquerque Park and Recreation Department** *Assistant City Forester*

- Oversee the coordination of the operations and activities of forestry maintenance, including organizing and implementing the planting, maintenance, removal and pruning of all trees and vegetation within the City; implement program goals and objectives; perform a variety of administrative, professional and technical tasks in support of assigned area of responsibility.

12/2014 - 3/31/2021 **Bosque Ecosystem Monitoring Program** *Biologist*, University of New Mexico, NM

- Biologist monitors 11+ data sets and maintaining 33 environmental research sites along the Rio Grande. Obtains field data, develops quality control methods, performs data analytics on large-scale data sets to prepare results and findings for annual reports to federal partners and local agencies.
- Participates in hiring and training of high school and undergraduate interns. Assists in field and lab teaching, *Bosque Internship* 408 / 508, undergraduate and graduate course at the University of New Mexico.

8/2014 - 12/2014 **Bosque Ecosystem Monitoring Program** *Research Assistant*, UNM, NM

- Research Assistant, added in the preparations of field research weeks or other data collection objectives. Organized field data within the lab so that processing could be completed. Participated in data entry for further interpretations and analysis.

6/2014 – 8/2014 **Bosque Ecosystem Monitoring Program** *Co-Educator*, Albuquerque, NM

- Co-Educator developed and delivered in classroom science curriculum as well as in-field experience for the Albuquerque Public School Piolet Summer School program. Worked with 10 schools to interact with 200+ students, from Elementary to Middle School levels, to teach various Environmental Science topics to aid students as they “gapped” into their next grade level.

5/2015 - 5/2017 **Bosque School Experiential Education** *Director*, Albuquerque, NM

- Director prepared all group leaders to teach necessary lessons to their students. Designed all route selections for 8+ backpacking groups to take 70+ students into the backcountry. Organized all trip equipment, meal packing and preparation, emergency medical needs, and potential evacuations.

5/2011 - 5/2014 **Bosque School Experiential Education** *Group Leader*, Albuquerque, NM

- Group Leader, educated and prepared 10+ 8th grade students in backcountry survival skills for a multiple night backpacking trip to various Northern New Mexican wildernesses.

Professional Presentation & Skills

Professional Presentations:

- o Crawford Symposium, University of New Mexico
 - “Albuquerque Public School in the Woods” (2015)
 - “Fuel Density and Potential Fire Risk of the Albuquerque Bosque” (2016)
- o River Network – River Rally, New Mexico
 - “Bosque Ecosystem Monitoring Program BEMP as a Case Study” (2015)
- o Wildlife Urban Interface Summit, New Mexico State Land Office
 - “Bosque Ecosystem Dynamics and Assessing Fire Hazard” (2018)
- o International Society of Arboriculture Annual Conference (2023)
 - “Putting Albuquerque’s Park Tree Inventory to Work”
- o TreePlotter Users International Conference (2024)
 - “Sharing Tree Data with Others”

Professional Posters

- o Water Resources Researcher Institute Annual Conference
 - “Water Quality within the Middle Rio Grande” (2016)
 - “Albuquerque’s Impact on the Rio Grande” (2018)

Professional Skills

- o Design: Scribus, Adobe Creative Cloud (Lightroom, Portfolio, Acrobat DC)
- o Software: Word, Excel, Powerpoint, Google Docs, R Script, ArcGIS, GoldSim, iTree, TreePlotter

Awards and Achievements

2023	Honorary Life Time Membership International Society of Arboriculture
2020	National Ski Patrol, Senior Patrol Member
2019	COCAI Camp Spirit Award Region 6