

# BLM Pollinator Stewardship Training Workshop

April 11th & 12th - 9:00 AM-3:00 PM Pacific  
Hosted by BLM and Pollinator Partnership (P2)

## Presentation Agenda

### Day 1 (all times Pacific)

- **9:20 AM – Pollinators and Pollination: The Evolution of Pollination, Connections to Ecosystems, Current threats, and Conservation**
  - Who were the first pollinators? How did we get to bees? How have these relationship structured our ecosystems? This talk will cover the ecosystem services that pollinators support, evidence based analysis of drivers of pollinator decline, and the current challenges faced by pollinators and efforts to mitigate declines.
    - **Speaker: Lora Morandin (P2) – [lm@pollinator.org](mailto:lm@pollinator.org)**
- **10:20 AM – Biology and Ecology of Other Pollinator Groups: Flies, Moths, Butterflies, Birds, and Bats**
  - This section is a special spotlight on the habits, lifecycles, preferences and more, of beautiful butterflies, moths, birds, and other pollinators! Learn about each of their unique roles in pollination systems, their requirements for completing their life cycles, and how you can help.
    - **Speaker: Junaid Khan (P2) – [jk@pollinator.org](mailto:jk@pollinator.org)**
- **12:35 PM – Pollinator Identification**
  - This presentation will deliver a basic overview of how pollinators are identified, focusing on distinguishing bees from flies and wasps, as well as key identifiers of bee groups. Species-level identification tips for key pollinators of interest will be provided.
    - **Speaker: Lora Morandin (P2) – [lm@pollinator.org](mailto:lm@pollinator.org)**
- **1:10 PM – Indigenous Perspectives and Initiatives**
  - Jane Breckenridge will discuss her own cultural perspectives and stewardship ethics in the world of native plant, pollinator, and people relationships. We look to explore how conservation ethics are culturally rooted, and best emulate practices that support long-term stewardship within communities.
    - **Speaker: Jane Breckenridge (Tribal Alliance for Pollinators) – [jane@nativebutterflies.org](mailto:jane@nativebutterflies.org)**
- **1:45 PM – Pollinators at Risk: BLM SSS/T&E Species, Partnership Agreements**
  - BLM is required to maintain a list of sensitive species, for which special management attention is required. This presentation will briefly describe what BLM sensitive species are, highlight pollinator species designated as Bureau sensitive, and illustrate some projects which are ongoing with NatureServe to help BLM's management of sensitive species.
    - **Speaker: Anthony Titolo (BLM) – [atitolo@blm.gov](mailto:atitolo@blm.gov)**
- **2:00 PM – Pollinators at Risk: Bumble Bee Listing Update**
  - This presentation will provide an update on the ESA status of North American bumble bees, including ongoing status reviews and recent petitions. We will also touch on recovery planning for listed *Bombus* and ongoing efforts to fill critical information gaps, further informing conservation planning and delivery. We will also provide a brief update on the FWS pollinator science center, funding outlook, and other relevant updates.
    - **Speaker: Jeff Everett (USFWS) – [jeff\\_everett@fws.gov](mailto:jeff_everett@fws.gov)**

For more information about Pollinator Partnership and the material covered in this workshop, visit [www.pollinator.org](http://www.pollinator.org) or reach out to [info@pollinator.org](mailto:info@pollinator.org)



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### Day 1 (continued)

- **2:15 PM – Pollinators at Risk: Western Monarch Update**

- This presentation will provide an update on the status of the Western Monarch, including the Species Status Assessment review, recent population data, and the listing decision timeline. We will also discuss collaborative approaches and ongoing efforts to fill critical information gaps for the species, further inform conservation planning and delivery, and develop partnerships to implement monarch conservation.
  - **Speaker: Melissa Burns (USFWS) – melissa\_burns@fws.gov**

### Day 2

- **9:10 AM – BLM Pollinators and their Ecosystems**

- Evolution has created a diversity of unique ecosystems. The diversity of BLM landscapes includes unique plant-pollinator relationships as well as some critical ecosystems and species of concern. This model highlights the unique ecology and natural history of pollinators on rangelands, forest lands, boreal, arctic, alpine, and arid lands.
  - **Speaker: Olivia Messinger Carril (Conservation Science Global) – sturnella@gmail.com**

- **9:40 AM – Honey Bee and Wild Bee Interactions: The Science**

- Basic overview of how pollinators are identified, focusing on distinguishing bees from flies and wasps, as well as key identifiers of bee groups. Species-level identification tips for key pollinators of interest.
  - **Speaker: Lora Morandin (P2) – lm@pollinator.org**

- **9:55 AM – Honey Bee and Wild Bee Interactions: BLM Policy Overview**

- Native bee populations are declining in North America due primarily to habitat loss, disease, and pesticides however evidence also indicates that non-native honeybees can be a secondary threat to native bees by outcompeting native bees for pollen and nectar and transmitting diseases. Existing Bureau of Land Management (BLM) policy and guidance “Managing for Pollinators on Public Lands states that BLM will “include considerations for areas open to apiary permits to ensure that there will not be competition for native plant resources with native bees and other pollinators with managed bees...and will...evaluate any standard stipulations for apiary permits on the BLM lands and revise if necessary to consider important native pollinator resources. BLM Idaho issued such specific apiary guidance and stipulations in 2021 which this presentation will cover.
  - **Speaker: Anne Halford (BLM) – ahalford@blm.gov**

- **11:05 AM – Restoration and Rehabilitation of Landscape for Pollinators**

- Learn about large-scale landscape restoration, including assessing, designing, preparing, propagating, installing, maintaining, monitoring, and evaluating native pollinator habitats.
  - **Speaker: Jarrod Fowler (P2) – jarrod@pollinator.org**

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### Day 2 (continued)

- **11:45 AM - Best Management Practices of Pollinators on Rangelands**
  - This presentation will provide a broad overview of best management practices (BMPs) for pollinators. These BMPs are meant as guidelines to help BLM incorporate pollinators into their decision making process.
    - **Speaker: Brad Jost (BLM) - [bjost@blm.gov](mailto:bjost@blm.gov)**
- **11:55 AM - Considering Pollinators in Integrated Pest Management**
  - Making informed decisions on pollinator mitigation in IPM, including disclosing impacts of BLM approved chemicals on pollinators and floral resources.
    - **Speaker: Jessa Davis (BLM) - [jcdavis@blm.gov](mailto:jcdavis@blm.gov)**
- **1:00 PM - Monitoring Pollinators: Summary of APSI, Bee Atlases, RCN, National/International**
  - This presentation will provide an overview of the array of concurrently developing pollinator monitoring efforts and various and often overlapping geographic scales. BLM's involvement in each effort will be summarized.
    - **Speaker: Casey Burns (BLM) - [ctburns@blm.gov](mailto:ctburns@blm.gov)**
- **1:15 PM - Monitoring Pollinators: Data Analysis of BLM APSI Data**
  - This talk will highlight results from the analysis of BLM APSI data performed by Pollinator Partnership, including key pollinator-plant associations, phenology, and pollinator friendly plant lists.
    - **Speaker: James Hart (P2) - [james@pollinator.org](mailto:james@pollinator.org)**
- **1:25 PM - Monitoring Pollinators: BLM bee monitoring plan**
  - Bee monitoring can be carried out so that the data not only reveals the diversity of bees in a region, but also so that it can inform management decisions in the short and long term. BLM lands are a prime landscape on which to conduct these studies, and Dr. Carril will lay out a monitoring protocol that she has developed for assessing bees in BLM areas of interest.
    - **Speaker: Olivia Messinger Carril (Conservation Science Global) - [sturnella@gmail.com](mailto:sturnella@gmail.com)**
- **2:10 PM - Community and Stakeholder Engagement**
  - In this presentation Anthony Colangelo, Pollinator Partnership's Communications and Engagement Manager, will go over ways to effectively share your pollinator knowledge with friends, family, colleagues, and the general public! He'll cover how to effectively talk about pollinator conservation issues, ways to make the latest research more digestible for the general public, challenges with outreach and education, and techniques in building social media posts that prompt conservation action.
    - **Speaker: Anthony Colangelo (P2) - [ac@pollinator.org](mailto:ac@pollinator.org)**

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