## **SPEAKERS**



Michael Khus is a member of the Coastal Band of the Chumash Nation, and is also affiliated with the Northern Chumash Tribal Council where he has joined the campaign to designate the Chumash Heritage National Sanctuary. He served on the Congressional Advisory Council on California Indian Policy, helped establish the Carrizo Plain National Monument, and earned a degree in education with a secondary teaching credential (high school). Michael is a Bear Dancer and leads ceremony as Bear Clan Elder.



Dr. Emily Fairfax is one of the country's leading scientists researching beavers and their effects on wildfire. She is an associate professor of hydrology at California State University Channel Islands and has authored several published papers including "Smokey the Beaver" and "Beaver: The North American Freshwater Climate Action Plan". Dr. Fairfax travels across the West, conducting research and giving interviews, and she has spent the past few years studying our very own beaver habitat in Atascaderol



Garrett Costello, Alumni of Cal Poly Humboldt, founded Symbiotic Restoration in 2018. Since then he has worked to implement ecological restoration projects by constructing over 800 Beaver Dam Analogs (BDAs). Garrett has designed, planned, and constructed large and small scale process-based restoration projects across California. With shovel in hand, Costello hopes that habitat restoration can bring beavers back to California watersheds and return the control of dams to nature's greatest engineers.

### **BEAVER BENEFITS**

Beavers restore our creeks and turn them into lush wetlands that benefit animals and people. How do they do it?

#### Beavers are dam good builders!

Beavers are truly amazing! They: Build dams that slow water down Establish ponds that allow the groundwater to recharge Keep water in our creeks all year Make habitat for fish and animals **Buffer fires** by spreading water out into fields

Create wetlands that store CO2 Lessen the intensity of floods Filter pollutants out of the water Reverse erosion, catch sediment

# MASTERFUL MUSIC MAKERS

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