

Beaver Resources 2025

Books:

Ben Goldfarb, "Eager: The Surprising Secret Life of Beavers and Why They Matter," Vermont: Chelsea Green Publishing, 2018.

Francis Backhouse, "Beavers: Radical Rodents and Ecosystem Engineers, China: Orca Publishers, 2021.

Leila Philip, "Beaverland," New York: Hachette Book Group/Twelve, 2022.

Becky Gop, "What Goes on inside a Beaver Pond?" NY: Storey Publishing, LLC, 2023

Publications/Manuals:

Kate Lundquist & Brock Dolman, "Beaver in California-Creating a Culture of Stewardship," Occidental Arts & Ecology Center, 2020. Available online: www.oaec.org/publications/beaver-in-california

US Fish and Wildlife Service, NOAA, University of Saskatchewan, USFS, & Woodruff, "The Beaver Restoration Guidebook," March, 2023. Available online: www.fws.gov/media/beaver-restoration-guidebook

Emily Fairfax, PhD. Beaver Science Curriculum and research articles: emilyfairfaxscience.com. "Smokey the Beaver: beaver-damned riparian corridors stay green during wildfire throughout the western United States," 12/2020. Wiley.com

MacFarlane, Bangen, Hallerud, Anderson, Hafen, et al: "California Beaver Restoration Assessment Tool: Building Realistic Expectations for Partnering with Beaver on Conservation and Restoration". Prepared for the SF Nature Conservancy, 9/2020. www.researchgate.net

Beaver Management Planning: National Wildlife Federation, Western Water. 9/25

Articles:

Dittbrenner, Schilling, Torgersen: "Relocated Beaver Can Increase Water Storage and Decrease Stream Temperature in Headwater Streams." 7/19/2022, ESA Journals online library, wiley.com

National Park Service: Beaver Ponds: How do Post-Fire Sediment and Carbon Dynamics Contribute to Watershed Resilience?" 10/13/24 www.nps.gov/articles/beaver-ponds

Alison Hawkes, "Beavers Used to Be Almost Everywhere In California," Bay Nature, June 19, 2014. www.baynature.org/article/beavers-used-to-be-almost-everywhere-in-california/

Lydia Sidhom, "Bringing Back Beavers: Ecologists on Mission to Save Species That Once Ruled California," Bay City News; July, 20, 2023. <https://local.newsmatters.org/2023/07/20/bringing-back-beavers-ecologists-on-mission-to-save-species-that-once-ruled-in-california/>

Margo Pierce: "NASA Data Helps Beavers Build Back Streams," spinoff.nasa.gov, 4/19/2024. www.spinoff.nasa.gov/Beavers_Build_Back_Streams

Lanman, Perryman, Dolman, James, "The Historical Range of Beaver in the Sierra Nevada: A Review of the Evidence." California Fish and Game, 2012, pp. 65-80. Inst. for Historical Ecology Los Altos, CA, Worth A Dam, OAE Water Institute & Bureau of Indian Affairs, NW Region.

Ben Goldfarb: Could Beavers Be the Secret to Winning the Fight Against Wildfires?", National Geographic, 5/13/2025

Movies/You Tube Videos:

Jari Osborne, NATURE Program, "Leave It to Beavers," A Production of Dam Builder Productions & Thirteen Productions LLC, 60 min., 2014.

Sarah Koenigsberg, "The Beaver Believers," Tensegrity Productions documentary (50 minutes), April, 2018. Available to rent for \$5 online at: Vimeo on demand, vimeo.com

Emily Fairfax: 10 YouTube videos on Beavers, including "Smokey the Beaver"

Rion Nakaya with Dr. Joe Hanson, "Can Beavers Help Mitigate Wildfire and Drought?" May 27, 2019, PBS Video <https://thekidshouldseethis.com/post/pbs-terra-overview-beavers-climate-wildfire-drought-science-video>

Ben Goldfarb, "Environmental Scientist Ben Goldfarb Talks on the Importance of Beavers," Interview with CDFW Director Chuck Bonham, April 30, 2024, YouTube, (2 min. clip)

Dr. Joe Hanson: It's Okay to Be Smart: "Why Beavers Are The Smartest Thing In Fur Pants," YouTube: https://youtu.be/Zm6X77ShHa8?si=tUQtk3E_frsw8ivl

"Beaver Conservation at Work in California," Cal Fish and Wildlife, 2025

"Water Engineers," PBS News Hour, 6/4/25, 42 minutes in.

"Beavers and Wildfires," PBS 4/22/25, Science from the Northwest (9min.)

“Beavers, Architects of Climate Resilience,” Beaver Institute, Beaver Science Speaker Series: Emily Fairfax, June, 2025

“Doty Bovine Ravine Restoration: An Experiment in Running Beaver & Cattle, Damion Ciotti, Damion-Ciotti@fws.gov (Lincoln, CA)

“A Good Dam Conversation,” Ben Goldfarb, Defender Radio, (38 minutes)

“The Surprising Life of Beavers,” Ben Goldfarb, Coastal River Trust 1/23

Podcasts:

Michelle Fuller Interviewing Emily Fairfax, “Beavers (Drought and Wildfire Superheroes!) with Emily Fairfax,” Golden State Naturalist: Beaver Podcast, August 4, 2022.

Our Public Lands, #10, “Beavers & Water Conservation, A Call for Leadership,” 12/2/24

Natures’s Archive, #35, “Eager Beavers, The Quintessential Keystone Species, Michael Hawk & Ben Goldfarb, 12/21/21 (68 min.)

Organizations:

Occidental Arts & Ecology Center (OAEC), Bring Back the Beaver Campaign, www.oaec.org/beaver

“Martinez Beavers,” “Worth A Dam,” www.martinezbeavers.org Group also maintains an active beaver information hub on Facebook. Hosts an annual Beaver Festival at the end of June.

Beaver Institute: National Beavercorps training program, online library, mitigation devises www.beaverinstitute.org

SLO Beaver Brigade, www.slobeaverbrigade.com

Beaver Management Forum (Facebook)

California Process Based Restoration Network www.calpbr.org

California Beaver Restoration (California AB 2196 passed unanimously 9/28/24, codifies Beaver Restoration in the state)

CDFW Beaver Restoration Program, PO Box 944209, Sacramento, CA. 94244

Relocation Application form: BeaverRestoration@wildlife.ca.gov

Wildlife Incident Reporting System (voluntary, tracks conflicts, mitigation, relocation)

Grant Opportunities through the CDFW Watershed Restoration

Cutting the Green Tape Program/plans for self-certification program for restoration
Occidental center for the Arts and Ecology Beaver Restoration Program (grants, consultation)

“Beaver Coexistence Webinar,” Facilitated by the Occidental Arts & Ecology Center, You Tube, 9/25/25. Covers the permit process for a project on the Consumnes river

“Introducing California Beaver Coexistence Training and Support Program”: Valerie Cook, Chad Dibble, Tanner Harris, Jason Holley, Lee Margadant, Carmen Tull, Kyle Pagel. You Tube May 25, 2023. Overview of the CDFW Beaver Restoration Project. (60 min.)

California Wildlife Conservation Board: wcb.ca.gov

Sustainable Conservation Organization: suscon.org

Beaver Mitigation Devices:

Beaver Back-Saver Device: Occidental Arts & Ecology Center You Tube Video, August 28, 2023. 11 minute video by Coldwater Collective

Beaver Deceiver: Nonlethal management tools: <https://beaverdeceivers.com>

Clemson Beaver Pond Leveler (Minnesota Dept. of Natural Resources)
Files.dnr.state.mn.us

Beaver Solutions LLC and Beaver Institute, Inc.: Mike Callahan Founder, 2000, Southamptn, MA. 01073 (On Facebook) Offers Beaver Corps Training online, mentoring, and certification as a Beaver Wetland Professional. Tuition \$2,500.

Beaver Cone: Fort Erie, Ontario, Contact: Walter Fleming, cones@cogeco.ca, beavercone.com

Nature’s Engineers, San Louis Obispo www.naturesengineers.com

Swift Water Design, www.swiftwaterdesign.com

Beaver Institute, Beaver Assistance Desk, List of resources by county

Connected Ecology Solutions for Shared Habitat, Cathy Mueller, El Dorado County/google group@connectedecology@gmail.com

California Process-Based Restoration Network: Build Like a Beaver workshops, www.calpbr.org

Beaver Institute BeaverCorps Program: Landowner assistance, training in building Beaver Analogues: www.beaverinstitute.org

Beaver Dam Analogue Permitting Agencies:

CDFW Habitat Restoration and Enhancement Act (HREA):

<https://acceleratingrrestoration.org/permits/habitat-restoration-and-enhancement-act/>
<https://wildlife.ca.gov/Conservation/Environmental-Review/HREA>

Federal Army Corps of Engineers:

<https://rrs.usace.army.mil/ees/home>

Beaver Relocation Tools:

California Beaver Restoration Assessment Tool: Prepared by Utah State University, Dept. of Watershed Sciences, 2019: <https://brat.riverscapes.net>

Hidden Meadows Model (Karen Pope, Adam Cummings):

<https://journal.wildlife.ca.gov/recovering-the-lost-potential-of-meadows-to-help-mitigate-challenges-facing-california's-forests-and-water-supply>

Department of Natural Resources and Parks, Water and Land Resources Division, "Planning for Beavers Manual: Anticipating Beavers when Designing Restoration Projects,"

King County, Washington, 11/2022. Available online:

www.kingcounty.gov/EnvironmentalScience

Local/Regional Contacts:

Beaver Integration Group: Monthly meetings of the Beaver and Meadow Restoration Sub-Committee made up of a coalition of local water resource and environmental groups facilitated by the Tuolumne-Stanislaus Integrated Regional Management Authority staff at the TCRCD Office, Sonoma. Contact person: Lindsay Mattos or Tricia Peller, 707-529-6307

Department of Fish and Wildlife: North Central Region, Rancho Cordova 916-358-2900

Ebbettspassforestwatch.org concerned with Healthy Forestry and Watershed issues, sponsoring a film series on beavers and interested in building local partnerships for beaver restoration.

Contact: Anne Calderwood, 209-404-4670, acalderwood@comcast.net

Trout Unlimited, Local Contact: Benjamin.Cook@tu.org

Sierra Wildlife Coalition, South Lake Tahoe/Truckee Beaver Advocacy Group. 530-577-2273.

