

Native Plant Ecosystem Books, Databases and Links

Susan's top ten book list

1. Nature's Best Hope - Douglas W. Tallamy
2. Native American Ethnobotany - Daniel Moerman
3. Cadillac Desert - Marc Reisner
4. Sepp Holzer's Permaculture: A Practical Guide to Small-Scale, Integrative Farming and Gardening - Sepp Holzer
5. The Bee-Friendly Garden - By Kate Frey and Gretchen LeBuhn
6. California Bees and Blooms - Gordon W. Frankie, Robbin W. Thorp, Rollin E. Coville, and Barbara Ertter
7. Tending the Wild: Native American Knowledge and the Management of California's Natural Resources - M. Kat Anderson
8. Drawdown: The Most Comprehensive Plan Ever Proposed to Reverse Global Warming - Paul Hawken
9. The Uninhabitable Earth: Life After Warming - David Wallace-Wells (read Drawdown immediately afterwards)
10. The Sixth Extinction - Elizabeth Kolbert

Books

California Plants: A Guide to Our Iconic Flora - Matt Ritter

California Native Plants for the Garden - Carol Bornstein

Designing California Native Gardens: The Plant Community Approach to Artful, Ecological Gardens - Glenn Keator, Alrie Middlebrook

Native American Ethnobotany - Daniel Moerman

Tending the Wild: Native American Knowledge and the Management of California's Natural Resources - M. Kat Anderson

1491: New Revelations of the Americas Before Columbus - Charles C. Mann

The Ohlone Way: Indian Life in the San Francisco-Monterey Bay Area - Malcolm Margolin

The Ohlone Past and Present: Native Americans of the San Francisco Bay Region - Lowell John Bean

A State Of Change:Forgotten Landscapes of California - Laura Cunningham

The Bay Area Through Time - Laura Cunningham

Wild Trees - Preston, Richard

Nature's Best Hope: A New Approach to Conservation that Starts in Your Yard - Douglas W. Tallamy

Bringing Nature Home: How You Can Sustain Wildlife with Native Plants - Douglas W. Tallamy

The Living Landscape: Designing for Beauty and Biodiversity in the Home Garden - Rick Darke and Douglas W. Tallamy

The Bee-Friendly Garden - By Kate Frey and Gretchen LeBuhn

California Bees and Blooms - Gordon W. Frankie, Robbin W. Thorp, Rollin E. Coville, and Barbara Ertter

Common Bees in California Gardens - Christopher Jadallah, Gordon Frankie, Robbin Thorp, Rollin Coville, Sara Leon-Guerrero, and Ingrid Feng

Field Guide to the Common Bees of California - by Gretchen LeBuhn, Noel Badges Pugh

The Forgotten Pollinators - Stephen L. Buchmann and Gary Paul Nabhan
Bugs in Danger: Our Vanishing Bees, Butterflies, and Beetles - Mark Kurlansky
The Honey Trail - Pundyk, Grace
Solitary Bees - Bryan Danforth
Bees of California: Art, Science, and Poetry - Hamutahl Cohen

Field Guide to Butterflies of the San Francisco Bay and Sacramento Valley Regions (California Natural History Guides) - Dr. Arthur Shapiro
California Butterflies (California Natural History Guides) - John S. Garth

Sibley Birds West: Field Guide to Birds of Western North America - David Allen Sibley
The Sibley Guide to Birds - David Allen Sibley

Common Dragonflies of California - Kathy Biggs

All That the Rain Promises and More: A Hip Pocket Guide to Western Mushrooms - David Arora
Mushrooms Demystified - David Arora

Assembling California (Book 4 of Annals of the Former World) - John McPhee
Annals of the Former World - John McPhee
Dirt - Montgomery, David R.
The Hidden Half of Nature - Montgomery, David R.
King of Fish - Montgomery, David R.

Gaia's Garden: A Guide to Home-Scale Permaculture - Toby Hemenway
The Permaculture City: Regenerative Design for Urban, Suburban, and Town Resilience - - Toby Hemenway
Sepp Holzer's Permaculture: A Practical Guide to Small-Scale, Integrative Farming and Gardening - Sepp Holzer
Designing the Sustainable Site - Venhaus, Heather
Residential Landscape Architecture - Norman K. Booth and James E. Hiss
Water Storage - Art Ludwig

The Bay Area Forager: Your Guide to Edible Wild Plants of the San Francisco Bay Area - Mia Andler and Kevin Feinstein
California Foraging - Judith Larner Lowry

Golden Gate Gardening: The Complete Guide to Year-Round Food Gardening in the San Francisco Bay Area & Coastal California - Pamela Peirce

Where Our Food Comes From: Retracing Nikolay Vavilov's Quest to End Famine - Gary Paul Nabhan
The Plant Hunters - Silvey, Anita
The Plant Hunters - Musgrave, Toby
The Plant Hunters - Coats, Alice M.
The Plant Hunter's Garden - Ward, Bobby J.
The Botany of Desire - Michael Pollan

Drawdown: The Most Comprehensive Plan Ever Proposed to Reverse Global Warming - Paul Hawken
Collapse: How Societies Choose to Fail or Succeed - Jared Diamond
The Sixth Extinction - Elizabeth Kolbert
The Uninhabitable Earth: Life After Warming - David Wallace-Wells (read Drawdown immediately afterwards)
Cadillac Desert - Marc Reisner
Water in Plain Sight - Judith Schwartz

Trophic Cascades: Predators, Prey, and the Changing Dynamics of Nature - John Terborgh
Where the Wild Things Were: Life, Death, and Ecological Wreckage in a Land of Vanishing Predators - Will Stolzenburg
The Serengeti Rules: Sean Carroll
American Wolf - Nate Blakeslee
Coyote America - Dan Flores

Doughnut Economics - Kate Raworth
Joe Stiglitz - Mismeasuring Our Lives - Why GDP Doesn't Add Up
Diane Coyle - GDP: A Brief but Affectionate History
This Could Be Our Future - Yancey Strickler

Overstory (fiction) - Richard Powers

My First Summer in the Sierra - John Muir (autobiography)
Lab Girl - Hope Jahren (autobiography)

Databases

California Native Plants database from California Native Plant Society, includes butterfly-plant relationships

<https://www.calscape.org/>

National Wildlife Federation butterfly-plant database
<https://www.nwf.org/NativePlantFinder>

Native plant ethnobotany - how Indian tribes used native plants
Daniel Moerman's Native American Ethnobotany
<http://naeb.brit.org/>

USDA James Duke Ethnobotanical Database
<https://phytochem.nal.usda.gov/phytochem/search>

California Native Plants database from Las Pilitas Nursery
<https://www.laspilitas.com/>

Links

Science tools

INaturalist is a free citizen scientist project with a web app and a mobile app. Users upload photos of plants, animals and evidence of animals, the time and location is recorded, and identifications are made by the community of users with a backend AI which learns to identify

plants and animals based on expert user identifications. You can use the tool to investigate what animals and insects use which plants as food and habitat, as well as map plants and animals.
<https://www.inaturalist.org/>

USGS Geology tool - ROCKD
<https://rockd.org/>

NASA satellite data visualization tool - CO2, CO, air temperature, soil moisture, water vapor, sea level
<https://earthnow.com/>

Native plants

San Francisco native plant free hikes and lectures/speaker series. California Native Plant Society promotes planting locally native plants to enhance biodiversity and the health of our local ecosystems. Our local chapter of CNPS, CNPS-Yerba Buena (San Francisco), offers free speaker series, hikes and habitat restoration. CNPS-Santa Clara Valley (CNPS-SCV) has an YouTube channel with excellent native plant talks.

<http://cnps-verbabuena.org/>

<http://cnps-verbabuena.org/biodiversity/>

www.cnps.org/fire-recovery

<https://www.cnps.org/gardening/garden-qa-edible-native-plants-for-the-home-garden-12580>

<http://www.cnps-scvc.org/index.php/37-events/programs/365-native-horticultural-symposium-2019>

<http://weedingwildsuburbia.com/articles/HowToGrowInClay.pdf>

<http://weedingwildsuburbia.com/lists/ClaySoil.pdf>

<http://www.cnps-scvc.org/images/stories/presentations/nativesForClaySoil.pdf>

<http://www.cnps-scvc.org/images/plant-lists/nativesForClaySoil-plantList.pdf>

<https://www.youtube.com/channel/UCpzaBF1U82SzP1E8eqdTZNA>

Native plants for gardens

<https://www.calscape.org/>

<http://www.mynativeplants.com/site>

<https://www.youtube.com/watch?v=GBCQcSmBvbg>

<https://www.youtube.com/watch?v=cn123dH3pIU>

<https://www.youtube.com/watch?v=HT94Md27br8>

<https://www.youtube.com/watch?v=ls20pwXKhNg>

Native plants to eat (ethnobotany) - The Ohlone are San Francisco's native tribe

Daniel Moerman's Native American Ethnobotany is available as both book and database

<http://naeb.brit.org/>

http://www.timberpress.com/books/native_american_ethnobotany/moerman/9780881924534

<http://bayareaforager.com/wp/>

http://www.timberpress.com/books/california_foraging/lowry/9781604694208

<https://www.ebparks.org/civicax/filebank/blobdload.aspx?blobid=30644>

<https://www.youtube.com/watch?v=Mf302DjHJJQ>

Native plants for butterflies

Butterfly babies eat different food from butterfly adults. Most butterfly babies, including San Francisco native butterflies, use only one species of plant as their food, as famously shown by

the Monarch butterfly and milkweed plants are a famous example of that baby food connection. Butterfly adults prefer flat daisy-like flowers as easy places to land and eat. Celebrate when you see a leaf with holes in it. Chewed leaves are signs of baby insects are being happily fed.

<https://www.calscape.org/>

<https://www.nwf.org/NativePlantFinder>

<http://natureinthecity.org/>

<http://natureinthecity.org/green-hairstreak>

<https://www.workman.com/products/natures-best-hope-1>

<https://xerces.org/pollinator-conservation/>

<https://www.naba.org/>

<https://naba.org/pubs/bg.html>

<http://www.bringingnaturehome.net/>

<https://www.mountainwatch.org/butterflies-and-wildlife>

<https://www.westernmonarchcount.org/>

<https://www.monarchwatch.org/download/pdf/where.pdf>

<https://monarchwatch.org/>

<https://www.youtube.com/watch?v=bF5e-vyKLw0>

<https://www.youtube.com/watch?v=gM5ap67LRjA>

<https://www.youtube.com/watch?v=xH0tqws78n8>

<https://www.youtube.com/watch?v=3wcz8dWyBc>

Native plants for birds

Over 96% of terrestrial birds eat insects. Baby birds only eat caterpillars.

<https://www.audubon.org/plantsforbirds>

<https://www.audubon.org/news/10-plants-bird-friendly-yard>

<http://www.markeaton.org/sff01/Breeding%20Ecology/>

<San%20Francisco%20Breeding%20Bird%20Atlas.pdf>

<https://www.cnpsmarin.org/native-plants/why-garden-with-natives/item/212-native-plant-attract-birds>

<https://www.laspilitas.com/bird.htm>

<https://www.workman.com/products/natures-best-hope-1>

<https://www.youtube.com/watch?v=KPDD2MAujy4>

Native plants for bees

California has 1500 species of native bees. Native bees are the best pollinators not only for local native plants, but also for other North American plants, such as tomatoes, tomatillos and chili peppers.

<https://www.penguinrandomhouse.com/the-bee-friendly-garden-by-kate-frey-and-gretchen-lebuhn/>

<https://heydaybooks.com/book/california-bees-and-blooms/>

<https://www.workman.com/products/natures-best-hope-1>

<http://www.helpabee.org/>

<https://www.youtube.com/watch?v=3wcz8dWyBc>

<http://www.bringingnaturehome.net/>

<https://portal.nifa.usda.gov/web/crisprojectpages/1012774-effects-of-non-native-plants-on-native-bees-in-the-pacific-northwest.html>

https://www.researchgate.net/publication/225625631_Effects_of_non-native_plants_on_the_native_insect_community_of_Delaware

<https://www.discoverlife.org/>

<https://bugguide.net/node/view/15740>

<https://www.youtube.com/watch?v=xL0dKQOKj6Y>

<https://www.youtube.com/watch?v=F4lqtX99WrE>

https://www.youtube.com/watch?v=vd0VqV_XGRA

<https://www.youtube.com/watch?v=JNah1yXZry4>

PolliNation Podcast <http://blogs.oregonstate.edu/pollinationpodcast/>

People Behind the Science Podcast <http://www.peoplebehindthescience.com/>

Mushrooms' are symbiotic with native plants

Mycological Society of San Francisco offers guided field trips and lectures about mushrooms

<https://www.mssf.org/>

<https://www.penguinrandomhouse.com/books/197528/all-that-the-rain-promises-and-more-by-david-arora/9780898153880>

<https://www.penguinrandomhouse.com/books/197443/mushrooms-demystified-by-david-arora/9780898151695>

http://www.timberpress.com/books/california_mushrooms/desjardin/9781604693539

Steve Sillett researches unique redwood crown ecosystems

https://www.youtube.com/watch?v=iNBBcN_SCNY

<https://www.youtube.com/watch?v=80ps3NSmuWQ>

<https://www.youtube.com/watch?v=av3AZW2LAwA>

Native plants mitigate climate change and biodiversity losses

California has a biodiversity resolution

<http://opr.ca.gov/docs/20180907-CaliforniaBiodiversityActionPlan.pdf>

San Francisco has a biodiversity resolution

<https://sfenvironment.org/policy/resolution-adopting-citywide-biodiversity-goals>

<https://www.youtube.com/watch?v=T85mwy9F1RQ>

Cities and urban areas can and must support biodiversity

Making Nature's City (<https://www.sfei.org/projects/making-natures-city>) by San Francisco

Estuary Institute recommends planting native plants to improve humans and ecosystem health

Climate Positive Design by Pamela Conrad (<https://www.cmgsite.com/team-member/pamela-conrad/>) with the Pathfinder app (<http://app.climatepositivedesign.com/>)

<https://sustainabledevelopment.un.org/content/documents/24303bottlenecks.pdf>

Drawdown includes planting native plants in plant communities to mitigate climate change

<https://www.drawdown.org/>

<https://www.youtube.com/watch?v=0zaTGMI11hs>

<https://climatenexus.org/climate-issues/food/soil-carbon-storage/>

<https://soilcarboncoalition.org/>

https://www.ted.com/talks/jared_diamond_on_why_societies_collapse

<https://www.climateinteractive.org/tools/>

<https://www.bayarealands.org/wp-content/uploads/2019/10/>

<CLN%202.0%20Final%20Report.Web.pdf>

<https://www.stockholmresilience.org/research/planetary-boundaries/planetary-boundaries/about-the-research/the-nine-planetary-boundaries.html>

<http://longnow.org/seminars/02012/mar/06/nine-planetary-boundaries-finessing-anthropocene/>

<http://www.futureearth.org/news/updated-planetary-boundaries-framework-shows-four-nine-boundaries-now-crossed>
<https://www.ipcc.ch/>

Water management is vital to sustaining life
Creek & Watershed Map of San Francisco - free from SFPUC
<https://www.sfwater.org/index.aspx?page=492>
Walter Jehne - water cycling and climate <https://soilcarboncoalition.org/walter-jehne-at-harvard/>
Jay Famiglietti - aquifer content measuring <https://jayfamiglietti.com/>
<http://seepcity.org/>
<https://www.samsamwater.com/projects/80/data/Naga-scientific-whitepaper.pdf>
<http://nautil.us/issue/37/currents/the-ecologist-who-threw-starfish-rp>
<http://www.climateassessment.ca.gov/regions/docs/20180827-SierraNevada.pdf>

Identify and remove weeds and invasive plants. Please avoid planting invasive plants such as fennel, Himalayan/Armenian blackberry and red valerian.

<https://www.cal-ipc.org/>
<https://www.youtube.com/watch?v=cj4WIXH2vHw>

Replace lawn with native plants
<https://www.cnps.org/gardening/alternatives-to-lawns-5323>
<https://www.cnps.org/gardening/prepping-and-planting/grass-removal>
<https://www.youtube.com/watch?v=DWL0Fw1SPhM>
<https://www.youtube.com/watch?v=ls20pwXKhNg>
<http://www.bewaterwise.com/turf-replacement-program.html>

PLANT SWAPS

San Francisco Public Library/Department of Environment Green Stacks Plant Swap
<https://sfpl.org/index.php?pg=1034670001>

San Francisco Public Library Seed Lending Library - Potrero Hill branch
<https://sfpl.org/locations/potrero/seed-lending-library>

Oakland Plant Swap
<http://theplantexchange.com/>

NATIVE PLANT GARDEN TOURS

San Francisco CNPS May 10, 2020
<http://cnps-verbabuena.org/gardening/private-garden-tour-events/>

East Bay CNPS Bringing Back the Natives (not free)
<https://www.bringingbackthenatives.net/>

Marin CNPS
<https://www.cnpsmarin.org/>

Peninsula/Santa Clara Valley CNPS Going Native Garden Tour
<http://www.cnps-scv.org/>
<https://gngt.org/>

NATIVE PLANTS NURSERIES

San Bruno Mountain Watch's Mission Blue Nursery
<https://www.mountainwatch.org/missionbluenursery/>

Literacy for Environmental Justice
1150 Carroll Avenue San Francisco, 94124 (Candlestick Point)
<https://www.lejyouth.org/native-plant-nursery/>

Yerba Buena Nursery
12511 San Mateo Rd, Pastorino Farms, Half Moon Bay, CA Tel: 650-851-1668
www.yerbabuenanursery.com

East Bay Wilds
2777 Foothill Blvd, Oakland, CA 94601 Tel: 510-409-5858
<http://eastbaywilds.com/>

Native Here Nursery - East Bay CNPS
101 Golf Course Drive, Berkeley CA 94708 In Tilden Park across from the Tilden Golf Course
<http://www.nativeherenursery.org>

Oaktown Native Plant Nursery
702 Channing Way, Berkeley, CA 94704 Tel: 510-387-9744
<http://oaktownnursery.com/>

Elkhorn Native Plant Nursery
1957 B Highway 1, Moss Landing, CA 95039 Tel: 831-763-1207
www.elkhornnursery.com

CNL Native Plant Nursery
254 Shoreline Hwy, Mill Valley, CA 94941 94953 Tel: 415-888-8471

Native Revival Nursery
2600 Mar Vista Dr, Aptos, CA 95003 Tel: 831/684-1811
www.nativerevival.com

Middlebrook Gardens Nursery
76 Race Street, San Jose, CA 95126 Tel: 408/292-9993 Fax: 408/292-0856
www.middlebrook-gardens.com

Bay Natives
10 Cargo Way, San Francisco, CA 94124 Tel: 415/287-6755
www.baynatives.com

Las Pilitas Nursery
3232 Las Pilitas Rd., Santa Margarita, CA 93453 Tel: 805-438-5992
www.laspilitas.com

NATIVE SEEDS AND BULBS

Larner Seeds

www.larnerseeds.com

Seedhunt

seedhunt.com

Theodore Payne Nursery

www.theodorepayne.org

Telos Rare Bulbs

<http://www.telosrarebulbs.com/>