



CENTER FOR PLANT CONSERVATION

Annual Impact Report 2022

TABLE OF CONTENTS

1

NATIONAL COLLECTION

Photo credit: Loy Xingwen.

2

REGIONAL INITIATIVES

Photo credit: Emily Grave.

3

CONSERVATION PARTNERS

Photo credit: Mike Kunz.

4

SCIENCE & PROGRAMS

Photo credit: Alex Seglias.

5

2022 CONSERVATION CHAMPIONS

Photo credit: USFWS/
Jim A. Barriel © 2005

6

PLANT SPONSORSHIP PROGRAM

Photo credit: Lilly
Anderson-Messec.

7

DONORS & KEY PERSONNEL

Photo credit: Alex Seglias.

8

FINANCIALS

Photo credit:
Heather Schneider.

ASPIRE – ACHIEVE – ACKNOWLEDGE



Dr. Barbara E. Millen



Dr. Carlos L. de la Rosa

As the copilots of this extraordinary conservation vessel we know as the Center for Plant Conservation (CPC), we want to share with you the successes and joys of being part of the initiatives we spearhead with our 73 world-class Institutional Conservation Partners to save all endangered plant species from extinction. As you will see in this report, we are fully poised to grow our capacity and network, increase the number of plant species protected in our National Collection, increase support for the conservation research programs and activities of our partners, and build on this organization's innovative work over the last 39 years.

Our Board of Trustees (BOT), network of conservation partners (PIs), and National Office team grew this year in capacity and expertise with the addition of scientists, subject matter experts, passionate conservationists, and philanthropists from the diverse regions of North America we represent. The dedication, experience, and knowledge these individuals bring to CPC inspires the work we conduct together, instills it with creativity and joy, and underpins productivity we are proud to present. Through our Board Committees and Task Forces, we collaborate closely with our headquarters' leadership and PIs to set CPC's priorities and accomplish our mission to "save plants," train future leaders, and build capacity globally in plant conservation. Together, our BOT, National Office team, and global network are formidable and ambitious in our fight to save rare and endangered plants from extinction. We are a strong and maturing organization that is poised to meet the increasingly complex challenges brought on by climate change and human threats to plant diversity and ecosystem sustainability.

In this report, we present a sampling of CPC's impact on the conservation of rare plants globally. Our National Collection now preserves and protects over half the endangered plant species of North America in our botanical partners' conservation frameworks and at the USDA National Laboratory for Genetic Resource Preservation in Fort Collins, CO. We are expanding CPC's Plant Sponsorship Program to support our PIs' conservation efforts in perpetuity. The CPC Rare Plant Academy has put our entire collection of world-renown plant conservation resources into digital format and launched an 'open' and accessible expert forum with videos, short courses,


and presentations to expand the application of best practices in plant conservation worldwide. In this web platform, our Rare Plant, Pollinator, and Reintroduction databases are also accessible to plant conservation and open space conservation communities throughout the globe.


We also highlight in this report two model signature programs, California Plant Rescue (CaPR) and Florida Plant Rescue (FLPR), which are setting new standards for the protection and management of rare plants. CaPR garnered substantial financing from the California State Legislature and will soon complete seed and tissue collections of all California native plants. FLPR brings together a regional partnership of PIs to collect diverse genetic samplings of Florida rare plants for protection, propagation, and reintroduction in imperiled ecosystems. CPC and its PIs and partners will work to expand these models in other North American regions and will work together with our headquarters partner at the San Diego Zoo Wildlife Alliance (SDZWA) as it launches its global hub frameworks on animal and plant conservation.

With roots firmly planted in the US, its territories, and Canada, and its new SDZWA global initiatives, CPC will expand its reach internationally in the coming years, sharing and promoting our programs, research methodologies and best practices, and resources. Through these efforts, we aim to better serve the complex challenges of saving plants from extinction and expand recognition of the role of native plant species as the centerpiece of sustainable ecosystems worldwide.

These accomplishments and growth couldn't have happened without our ever-generous community of supporters, donors, foundations, and agencies that provide the funds to carry out our mission. We thank all of them for their unfailing support over our nearly four decades of conservation work.

Gratefully,


Dr. Barbara E. Millen
CPC Board of Trustees Chair


Dr. Carlos L. de la Rosa
CPC President & CEO

NATIONAL COLLECTION 1

New Additions to the National Collection



Photo by Loy Xíngwen.

Whorled sunflower (*Helianthus verticillatus*), a critically imperiled species native to the Southeastern US, is found in Alabama, Georgia, Mississippi, and Tennessee. This sunflower lives in prairie habitat that was once widespread throughout the region but is now fragmented and facing constant threat. Less than ten populations of this species are known to remain in nature. *Helianthus verticillatus* is held in conservation collection at Southeastern Grasslands Institute, a Participating Institution new to the CPC network in 2022.



Photo Credit: Kris Freitag.

North Umpqua Kalmiopsis (*Kalmiopsis fragrans*) is an imperiled species native only to the state of Oregon. This species was collected at a Research Natural Area in the Umpqua National Forest by Rae Selling Berry Seed Bank, as part of CPC's IMLS-funded Seed Longevity Study. *Kalmiopsis fragrans* plants grow upon steep rocky outcrops—making for a field excursion with striking views but difficult terrain.



Photo Credit: California Botanic Garden.

Vanishing wild buckwheat (*Eriogonum evanidum*) is native to California and Baja California. One of many species collected for the California Plant Rescue initiative, this species is held in conservation collection at California Botanic Garden. Thought for many years to have gone extinct, the species was rediscovered by a team at California Botanic Garden. Thanks to their efforts in collecting and protecting *Eriogonum evanidum* in ex-situ storage, this buckwheat will be protected from vanishing again.

**TOTAL SPECIES
ADDED IN 2022**



156

**TOTAL SPECIES IN THE
NATIONAL COLLECTION**

2,342



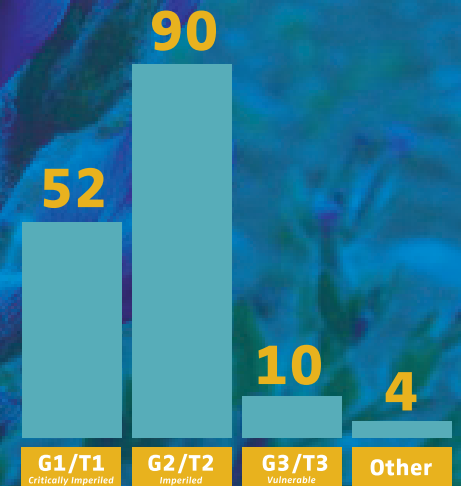
SPECIES ADDED BY PLANT GROUPS

24	Legumes	5	Cacti & Succulents
23	Asters	4	Orchids
8	Mustards	4	Oaks
8	Buckwheats	80	Other

**SPECIES ADDED
BY GLOBAL**



**CONSERVATION
STATUS**



Big Bear Valley woollypod (Astragalus leucolobus). Photo credit: Steven Thorsted.

REGIONAL INITIATIVES

2



Dunn's mariposa lily (Calochortus dunnii), a CaPR species. Photo credit: Joe Davitt.

Within our nation-wide network, the Center for Plant Conservation (CPC) supports regional networks bound by common goals and circumstances. Currently, CPC supports two state-wide seed collections initiatives in regions of rich, but threatened, biodiversity—the California Plant Rescue (CaPR), which focuses on conserving the flora of California and the California Floristic Province, and the Florida Plant Rescue (FLPR), which aims to secure and safeguard Florida's rare native plant species in conservation collections. Rooted in collaboration, both CaPR and FLPR embody the CPC ethos that by sharing knowledge and working together, we can save more plants from extinction than would ever be possible alone.

CALIFORNIA

PLANT RESCUE



SPECIES
CONSERVED **273**

POPULATIONS
COLLECTED **369**

GRANTS AWARDED TO COLLECTIONS

\$375,750

GRANTS AWARDED TO INFRASTRUCTURE \$146,483



EXPEDITIONS



COLLECTIONS MADE **34**
INSTITUTIONS ATTENDING **7**



FLORIDA

PLANT RESCUE



22 SPECIES
CONSERVED

22 POPULATIONS
COLLECTED

GRANTS AWARDED TO COLLECTIONS



\$50,500

CURATION RESEARCH
PROJECTS FUNDED **2**

Big Pine partridge-pea (Chamaecrista lineata var. keyensis), a FLPR species. Photo credit: Keith Bradley.



Red Rock Canyon monkeyflower (*Erythranthe rhodopetra*), a CaPR species. Photo credit: California Botanic Garden.



California Plant Rescue

As one of only 36 biodiversity hotspots in the world, California is home to more types of native plants than any other U.S. state—many of which are rare and endangered. United under CPC’s Best Practices Guidelines, California Plant Rescue partners work collaboratively to ensure all the plant diversity of California is conserved in ex situ collections. CPC provides administrative support to the group and serves as the fiscal sponsor. In this capacity, CPC administers over \$3 million in project funds from the State of California as part of its California Biodiversity Initiative in support of CaPR collections of the state’s rare and threatened native plants. The synergy of resources from CPC allows CaPR partners to focus on collection work—making incredible progress towards their goal of representing all the rarest California species in conservation collections by 2025.

CAPR PARTNERS

California Botanic Garden

California Native Plant Society

Mojave Desert Land Trust

San Diego Botanic Garden

San Diego Zoo Wildlife Alliance

Santa Barbara Botanic Garden

Theodore Payne Foundation

University of California Botanic
Garden at Berkeley

UC Davis Arboretum and Public Garden

UC Santa Cruz Arboretum and Botanic Garden

Learn more by scanning the QR code!





Paper-like Whitlow-wort (Paronychia chartacea ssp. minima). Photo credit: Cami Adams.



Florida Plant Rescue

As home to over 3,200 native plant species from tropical and temperate origins, Florida ranks third in plant diversity in the United States, with many species found only in Florida. Yet, the persistent threats of habitat destruction from development, invasive species, and climate change all put the state's native flora at risk. Florida is home to 200 plant species that are considered globally rare, and over half of these are not currently secured in conservation collections. Saving seeds, spores, or other plant tissues in conservation collections at botanical gardens can safeguard these vulnerable plant species against extinction. As many species from Florida are unable to be stored with traditional seed banking methods, Florida Plant Rescue gives special attention to exceptional species conservation with separate grants awarded to institutions prepared to conduct research on ex situ conservation methods for these plants. The Florida Plant Rescue's ultimate goal is to safeguard five populations per imperiled species in conservation seed collection, as science shows us that saving seed from across a species' range conserves the genetic diversity needed to bolster species against future threats.

FLPR PARTNERS

Atlanta Botanical Garden

Bok Tower Gardens

Fairchild Tropical Botanic Garden

Florida Native Plant Society

Florida Natural Areas Inventory

Institute for Regional Conservation

Montgomery Botanical Center

Marie Selby Botanical Gardens

Naples Botanical Garden

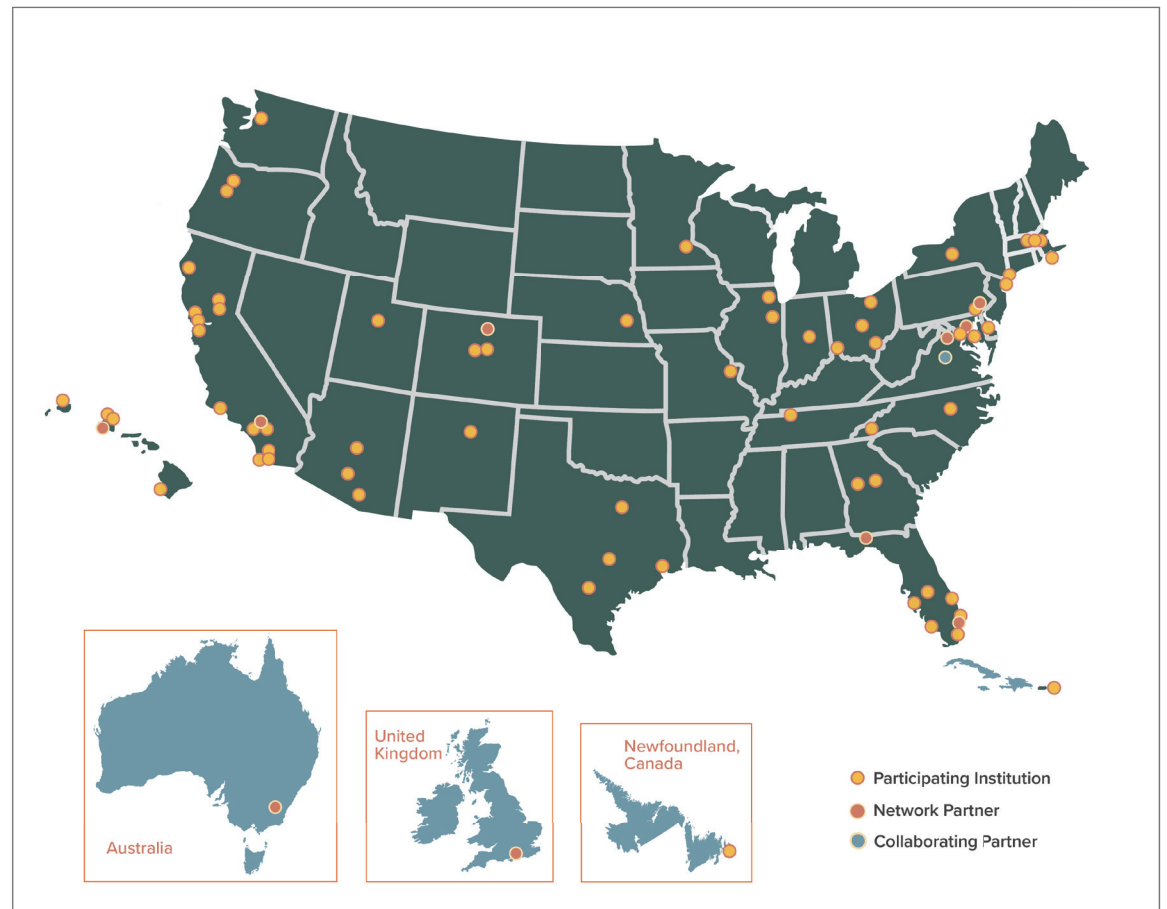
Learn more by scanning the QR code!



3 | CONSERVATION PARTNERS

New Institutional Conservation Partners

The Center for Plant Conservation (CPC) was thrilled to welcome five new plant conservation organizations to our network of Institutional Conservation Partners in 2022. Now 73 members strong, the CPC network brings together plant conservationists from across North America and around the globe, and is strengthened by the knowledge and experience that each institution brings. Together, our network makes it possible to Save Plants.





The team from Atlanta Botanical Garden in the field. Photo credit: Atlanta Botanical Garden..



Florida Natural Areas Inventory

Network Partner | Tallahassee, FL

Founded in 1981 as a member of The Nature Conservancy's international network of natural heritage programs, now coordinated by NatureServe, the Florida Natural Areas Inventory (FNAI) has a mission to collect, interpret, and disseminate ecological information critical to the conservation of Florida's biological diversity. Working throughout the Sunshine State, FNAI's database and expertise facilitate environmentally sound planning and natural resource management to protect the plants, animals, and communities that represent Florida's natural heritage. FNAI staff continually build and maintain a comprehensive database of the biological resources of Florida, which now includes more than 32,000 element occurrences of rare plants, rare animals, and high-quality natural communities. As a founding partner of the CPC-led Florida Plant Rescue (FLPR) statewide seed-collecting initiative, FNAI invaluablely supports CPC's mission by carrying on FLPR coordination and data maintenance for the project.



Institute for Regional Conservation

Network Partner | Delray Beach, FL

The Institute for Regional Conservation (IRC) is dedicated to the protection, restoration, and long-term management of biodiversity on a regional basis, and to the prevention of local extinctions of rare plants, animals, and ecosystems. Founded in 1984, IRC promotes an innovative approach to conservation by seeking to protect—and restore—viable populations of all native plant and animal species within key regions by designing conservation strategies powered by rich, geographically distributed data. Their approach adds critical value to traditional conservation strategies focused on charismatic animals or species with small global ranges, and is especially important in regions of the world where rapid fragmentation of habitats has been experienced or is expected.

NATIONAL MEETING BY THE NUMBERS

The 2022 National Meeting was hosted at Denver Botanic Gardens and included a field trip to the National Laboratory for Genetic Resources Preservation in Fort Collins, CO.

Number of attendees **167**



IN-PERSON 95

VIRTUAL 72



NUMBER OF PRESENTATIONS

47



32 WERE IN-PERSON



9 WERE ONLINE



6 WERE POSTERS

FIRST-TIME ATTENDEES

61

ATTENDEES WHO HAVE ATTENDED A CPC NATIONAL MEETING MORE THAN 10 TIMES



12

Denver Science Pyramid caption: Science Pyramid at Denver Botanic Garden. Photo by Scott Dressel Martin.



Southeastern Grasslands Institute

Participating Institution | Clarksville, TN

The Southeastern Grasslands Institute (SGI) works to conserve, restore, and promote native grasslands of all types throughout the Southeast region, with a focus on all or part of 24 states in what they call the “biogeographic Southeast.” SGI’s Plant Conservation Program and Conservation Seed Bank aims to protect the genetic integrity of populations of rare and declining grassland species. In these programs, SGI partners with public and private landowners and land managers to determine the most beneficial management and conservation actions for the imperiled species and communities in question. In addition to the work focused on rare species, SGI is also working to increase the availability of local ecotype seeds for the restoration of grassland and grassland-associated habitats, including recovery of imperiled species’ habitats.



The Huntington

Participating Institution | San Marino, CA

The Huntington Library, Art Museum, and Botanical Gardens is dedicated to sharing its world-renowned collections to support scholarship, foster learning, inspire creativity, and offer transformative experiences for diverse audiences. The Huntington has been growing rare and endangered plants for over a century. Its plant conservation program, formally begun in 2007, has steadily grown over the last 15 years and now oversees the herbarium, seed bank, tissue culture lab and cryobiotechnology program. The Huntington’s living collections are one of the largest and most diverse plant collections in the world, with over 57,600 accessions, represented by over 84,700 living plants. With the understanding that the Botanical Gardens hold stocks of threatened species during a period of habitat degradation and global biodiversity contraction, The ARK Conservation Program at The Huntington helps identify and prioritize at-risk taxa in their living collection for targeted propagation and research, as well as outreach.



United Plant Savers

Collaborating Partner | Rutland, OH

Plants have many wondrous uses, including in traditional herbal remedies and modern medicines. However, demand for wild medicinal plant resources, harvesting for the herbal trade, and habitat destruction have all contributed to decreased populations of many imperiled plants. United Plant Savers’ (UpS) mission is to protect native medicinal plants of the United States and Canada and their native habitat, while ensuring an abundant renewable supply of medicinal plants for generations to come. UpS is a nearly 400-acre botanical sanctuary in Rutland, Ohio, dedicated to the conservation of endangered medicinal plants. It includes the Center for Medicinal Plant Conservation, which serves as a public welcome center, museum, library, and more.



Porter's goldenrod (Solidago porteri). Photo credit: Ellen Honeycutt.

2022 INSTITUTIONAL CONSERVATION PARTNERS

Arizona

Arizona-Sonora Desert Museum
Desert Botanical Garden
The Arboretum at Flagstaff

California

Botanic Gardens Conservation International *
California Botanic Garden
California Native Plant Society
CPC National Headquarters
Mattole Restoration Council
Regional Parks Botanic Garden
San Diego Botanic Garden
San Diego Zoo Wildlife Alliance
Santa Barbara Botanic Garden
The Huntington
University of California Botanical Garden
University of California Davis Arboretum & Public Garden
University of California-Santa Cruz Arboretum & Botanic Garden

Colorado

Betty Ford Alpine Gardens
Denver Botanic Gardens
National Laboratory for Genetic Resource Preservation (USDA-ARS) *

Delaware

Mt. Cuba Center

District of Columbia

Plant Conservation Alliance *
United States Botanic Garden

Florida

Bok Tower Gardens
Fairchild Tropical Botanic Garden
Florida Native Plant Society
Florida Natural Areas Inventory *
Institute for Regional Conservation *
Marie Selby Botanical Gardens
Montgomery Botanical Center
Naples Botanical Garden

Georgia

Atlanta Botanical Garden
The State Botanical Garden of Georgia

Hawaii

Harold L. Lyon Arboretum
Honolulu Botanical Gardens
Laukahi: The Hawaii Plant Conservation Network *
National Tropical Botanical Garden
Waimea Arboretum Foundation

Illinois

Chicago Botanic Garden
The Morton Arboretum

Indiana

Newfields

Maryland

North American Orchid Conservation Center

Massachusetts

Native Plant Trust
Polly Hill Arboretum

The Arnold Arboretum of Harvard University
Zoo New England

Minnesota

University of Minnesota Landscape Arboretum

Missouri

Missouri Botanical Garden

Nebraska

Lauritzen Gardens

New York

Brooklyn Botanic Garden
Cornell Botanic Gardens
The New York Botanical Garden

Newfoundland

Memorial University of Newfoundland Botanical Garden

North Carolina

North Carolina Botanical Garden
The North Carolina Arboretum

Ohio

Cincinnati Zoo & Botanical Garden
Holden Forests and Gardens
The Dawes Arboretum
United Plant Savers

Oregon

Institute for Applied Ecology
Rae Selling Berry Seed Bank & Plant Conservation Program

Pennsylvania

American Public Gardens Association *
Longwood Gardens

Tennessee

Southeastern Grasslands Institute

Texas

Botanical Research Institute of Texas / Fort Worth Botanic Garden
Mercer Botanic Gardens
San Antonio Botanical Garden
The Lady Bird Johnson Wildflower Center

Utah

Red Butte Garden and Arboretum

Virgin Islands

St. George Village Botanical Garden

Virginia

NatureServe *
Nelson Byrd Woltz Landscape Architects **

Washington

University Of Washington Botanic Gardens

Australia

Australian Network for Plant Conservation Inc. *

United Kingdom

Millennium Seed Bank Partnership at Royal Botanic Gardens Kew *

* = Network Partners

** = Collaborating Partner

PUBLIC ENGAGEMENT

Our community continues to grow each year with increased engagement across CPC's digital platforms.

CPC WEBSITE

73,155 USERS

217,182 PAGEVIEWS

94,499 SESSIONS

SOCIAL MEDIA



Facebook
2,865 FOLLOWERS



Twitter
1,435 FOLLOWERS

Instagram
2,171 FOLLOWERS



Monthly Newsletter
2,740 SUBSCRIBERS

SCIENCE & PROGRAMS 4



*Mountain purple pitcherplant (Sarracenia purpurea var. montana)
seeds ready to collect. Photo credit: Mike Kunz*

Through four federally-funded grant programs and ongoing collaborations with our network of conservation partners, the Center for Plant Conservation continues to drive innovation in the field of rare plant conservation through scientific studies and advances, on-the-ground field work, professional development trainings, and valuable database and educational resources that make positive impacts on our mission to save plants from extinction.

Rare Plant Academy Grant Conclusion

With the completion of the CPC's IMLS National Leadership grant (MG-70-18-0063-18) in October 2022, the CPC Rare Plant Academy (RPA) has been established as a go-to multi-media resource for rare plant conservation education and expertise. This four-year \$500,000 grant (2018-2022) facilitated key improvements to the RPA platform—and broader CPC website—to better serve our community of conservation partners. Work focused on three main website components—Best Practices Guidelines, Video Library, and Community Forum—which have been fully integrated into the website's existing structure. The improvements to CPC's website over the course of the grant have drastically increased year-over-year website traffic, with the number of unique visitors increasing from 24,000 to nearly 65,000. Additionally, in surveys sent to CPC partners, 68% of respondents reported they had used RPA resources between 3 to 16+ times in the last 12 months, and 85% of respondents were "likely" or "very likely" to recommend RPA resources to others, with some sharing that they "use these resources all the time and share them with other institutions" and that "[they] send people to RPA fairly frequently when they reach out... for guidance on certain plant conservation topics." As more and more people access, utilize, and share these publicly accessible conservation resources, CPC is fulfilling its mission to advance science-based conservation practices and connect and empower plant conservationists.



Torrey pine seedling in plant protector. Photo credit: Katie Heineman.

Torrey Pine Restoration Project

The Torrey Pine (*Pinus torreyana* ssp. *torreyana*) is an iconic species endemic to a range of just a few square miles of coastal San Diego County. Millions visit this beach-loving pine in its native habitat every year, either by hiking Torrey Pines State Natural Reserve or playing the world-famous Torrey Pines Golf Course. Unfortunately, the Torrey Pine has suffered severe dieback in recent years due to drought-induced bark beetle infections, which has killed 10% of the population over a five-year span. To combat this threat, researchers at San Diego Zoo Wildlife Alliance (SDZWA) and the Center for Plant Conservation (CPC) are teaming up with California State Parks, US Forest Service, and CalFIRE to ensure resilient Torrey Pine populations for years to come.

In 2022, SDZWA and CPC staff supplemented an ongoing reintroduction effort by planting 250 new Torrey Pine seedlings grown from wild seed by the San Diego Zoo Native Plant Genebank. The researchers took meticulous records of the light, temperature, and soil conditions at each planting site to help determine the factors important to seedling success. The team also monitored and measured seedlings planted in 2021 including one “star pupil” that is already one meter tall (and with a great view of the ocean)! In addition to seedling plantings, the team created 10 forest plots to monitor adult tree health, including the installation of dendrometer bands to measure growth and establishment of a tree health assessment that evaluates characteristics such as needle length, bark traits, and crown symmetry, which may be early predictors of bark beetle infection.

Researchers plan to continue this project with more seedling plantings on the horizon in 2023. While still young, the effort promises to make the future a little brighter for one of California’s most photogenic trees.



Conserving Rare Plants on US Forest Service Lands

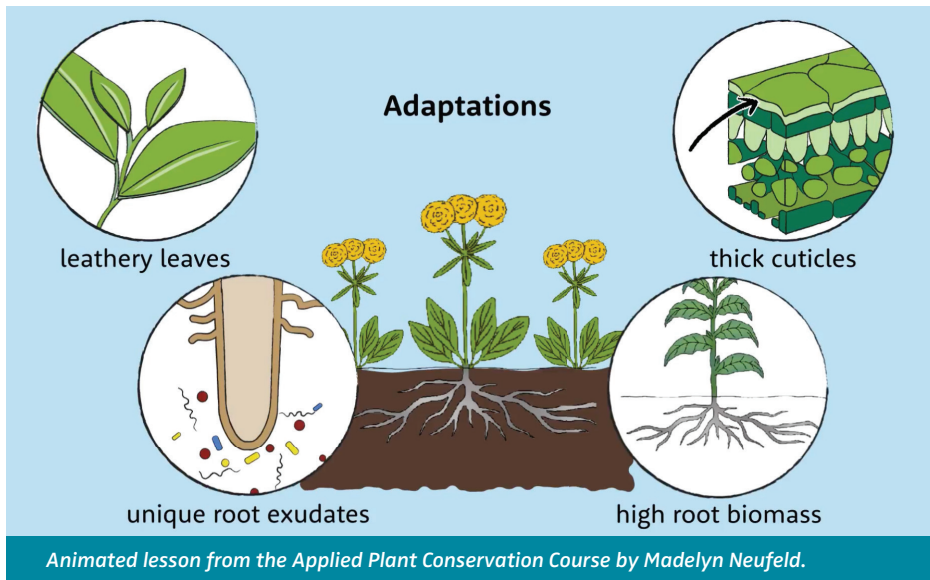
As part of a five-year funding agreement with the US Forest Service (USFS), CPC continues to support strategically rare plant populations located on Region 3 USFS lands—primarily in the Southwest—by securing them in conservation-quality seed collections through CPC’s network of botanical gardens. In 2022, efforts were focused on making conservation collections of the globally imperiled Arizona willow (*Salix arizonica*) from wild populations on USFS lands in New Mexico. For this effort, CPC partnered with the Southwest Office of the Institute for Applied Ecology (IAE), a CPC Participating Institution. Despite delays from wildfires raging through the state last summer and accessibility challenges posed by this specie’s remote wetland habitat, a two-person team from IAE backpacked their way through USFS land in northern New Mexico carrying limited supplies and hiking up to 14 miles a day to reach the Arizona willow.

Though fire closures blocked access to parts of the willow’s habitat, preventing them from making collections at all their intended sites, the

team was able to collect cuttings from three metapopulations of Arizona willow occurring in both the Carson and Santa Fe National Forests. Nearly 250 cuttings from 123 maternal plants were collected and are currently being maintained on a propagation block at the Pueblo of Santa Ana Nursery, a frequent partner of IAE’s Southwest Office. These conservation cuttings, which were placed in soil shortly after returning from the field, consistently grew roots within a few weeks and continue to do well. In addition to making conservation collections during this field expedition, the IAE team surveyed the species populations to update historical records with newer data and update threat assessments to better manage this vulnerable species. IAE received crucial information on historical populations and population access from USFS, the New Mexico Energy Minerals and Natural Resources Department, and the US Geological Survey. The Arboretum at Flagstaff, another CPC Participating Institution and collaborator on the USFS agreement, provided protocols for field collection of cuttings—emphasizing the importance of partnership in conservation.

Applied Plant Conservation Course

Since 2021, CPC has been developing a brand-new educational resource for the Rare Plant Academy (RPA)—the Applied Plant Conservation Course. This online professional development course will serve to train our current and future botanical workforce in the best practices of rare plant stewardship and conservation. The course will be free-of-charge and accessible to global audiences on the RPA platform. Course participants will learn from leading experts in the field of plant conservation through dynamic video lectures, animated lessons, knowledge checks, and integrated RPA resources covering a variety of topics ranging from rare plant genetics and reintroductions, to seed collections, exceptional species, and more. Partial funding for course modules has been generously provided by the Bureau of Land Management offices of California, Colorado, & Nevada. By the close of 2022, CPC had contracted partners from 18 of its network partners to create approximately 60.5 hours of course content. The Applied Plant Conservation Course will fully launch in 2023/2024, bringing the Best Practices Guidelines to life as an educational tool for those working with rare and native plants at any stage of their career.



Reintroducing the CPC Reintroduction Database

Toward the end of 2022, the CPC Reintroduction Database (CPCRD) was relaunched as a partner resource on CPC's website—coming a few months after the relaunch of the public-facing CPC Reintroduction Registry. These tools synthesize two older network resources: CPC's International Reintroduction Registry created in 2009 by Dr. Ed Guerrant and Dr. Joyce Maschinski, as well as information from willing contributors to the REDCap Reintroduction Database for US Rare Plants, compiled by Matthew Albrecht and collaborators at Missouri Botanical Garden. The Reintroduction Registry provides useful information regarding ongoing and historical conservation translocation projects for all who are interested in rare plant conservation and links this interesting data to our National Collection Plant Profiles. To protect the rare plants our partners work with, most of the data in the CPCRD is hidden from the public Reintroduction Registry, and is only available to verified contributors to the database. CPC postdoctoral research fellow Dr. Joe Bellis is currently conducting a meta-analysis on the records in the CPCRD to evaluate effects of climate on rare plant translocation outcomes. This resource opens doors for collaborative research on rare plant conservation translocations, leading the way for improvements in reintroduction methods and best practices to make sure we are conserving our rare plants to the best of our ability.



CONSERVATION ON CANADA'S NORTHERN COAST

Tucked away on Newfoundland's Great Northern Peninsula, Fernald's northern rockcress (*Braya fernaldii*) makes its home in limestone barrens frequented by freezing winds and neighbored by the icy Atlantic. This endemic rockcress species is stewarded in the CPC National Collection by the Memorial University of Newfoundland Botanical Garden (MUNBG). Among other threats, *Braya fernaldii*'s limited habitat is frequently quarried for gravel and driven over or trampled by recreational vehicles and their drivers, but the species is fortunately capable of recolonizing human-disturbed areas.

These recolonized populations, however, are often more densely populated and contain larger individuals. Because of this, they face the new threats of attracting invasive pests like the diamondback moth, an agricultural pest, and fungal pathogens. To properly secure and conserve this rare plant *ex situ*, teams from MUNBG must be careful when collecting material from wild populations. Healthy seed needs to come from healthy plants. Pathogen research allows MUNBG scientists to ensure they collect from uninfected individuals and bring back disease-free seed.

Fernald's braya (Braya fernaldii). Photo credit: Todd Boland.

Seed Longevity Study

Our collaborative IMLS-funded seed longevity study with the National Laboratory for Genetic Resources Preservation (NLGRP) has begun to yield interesting results that will prove crucial in understanding the lifespan of seeds in orthodox storage. For this research endeavor, CPC Participating Institutions (PIs) collected new seed from populations which had been collected from 15+ years prior. This allowed “fresh” seed to be compared to “old” seed from storage to determine if there is correlation between the seeds’ germination rates and their measured RNA integrity number (RIN)—a metric for seed aging proven in crop species, but yet to be explored with wild and rare plants. Dr. Christina Walters of the NLGRP flagged three types of seed emerging in the early stages of the study: long-lived seeds which germinated at equivalent rates both freshly after collection and after 15+ years in storage; short-lived seeds which germinated at less than half of their original, freshly-collected rates when tried again after storage; and seeds with dormancy loss which germinated at higher rates after storage, likely because their dormancy was reduced during their years in storage.

Freshly collected seeds sent by PIs had high RNA integrity across the board, meaning our collectors are finding and sending high quality seeds for testing and storage! CPC 2022 Summer Fellow Eduardo Charvel explored a multitude of factors like growth habit, habitat type, climatic factors, and dispersal type for use in a predictive model for determining seed longevity. Our collaborations in research on this topic will lead the way in rare plant ex situ conservation for the future, allowing seed banks to predict seed longevity with measured RIN and make sure seed makes its way out of banks and into cultivated conservation collections and reintroduction projects before their life in storage is up.



Dr. Barbara Millen and Dr. Joyce Maschinski at the 2022 National Meeting. Photo credit: CPC.

CPC Awarded the Garden Club of America’s Distinguished Service Medal

In 2022, the Center for Plant Conservation (CPC) was awarded the Garden Club of America’s Distinguished Service Medal, which recognizes distinguished service in the field of horticulture. CPC was honored specifically for its notable work in saving the nation’s endangered plants from extinction.

“CPC works with scientists around the world to advance and share best practices in saving plants from extinction. Plants are protected in situ (protecting the natural habitat), and ex situ (in greenhouses, display gardens, seed banks, and laboratories). Of the 4,400 rare and endangered plant species in North America, one-half are in the CPC National Collection of Endangered Plants, with a goal of doubling the number in the next three years.” –Garden Club of America Press Release

CPC’s former President & CEO, Dr. Joyce Maschinski, accepted the award at GCA’s virtual Annual Meeting in April 2022. CPC Board Chair Dr. Barbara Millen presented the award to the entire CPC community at the 2022 National Meeting at Denver Botanic Gardens.

2022 CONSERVATION CHAMPIONS



Alabama leatherflower (*Clematis socialis*) achenes. Photo credit: Jason Ligon.

People and plants are inextricably linked. Plants make life as we know it possible, and in turn, it is up to us to protect and preserve our world's incredible plant diversity. Throughout the year, CPC has highlighted individuals throughout our network who are doing meaningful work to save plants from extinction. Known as our Conservation Champions, these practitioners and conservation advocates are at the forefront of our fight to save plants from extinction—protecting plants and our planet for the benefit of all.



ALEXANDRA SEGLIAS

*Seed Conservation Research
Associate, Denver Botanic Gardens*

Alexandra Seglias is a conservationist whose early experiences led her to this career path and her important work to save plants. Alexandra's dedication to research on alpine plants, and her seed collections that contribute to our knowledge of seed longevity help make us better equipped to save plants.



CLARK MITCHELL

*CPC Board of Trustees,
Director of the BAND
Foundation*

Clark Mitchell shares his love of plants and the natural world through travel and service on the BAND Foundation Board and the CPC Board of Trustees. CPC benefits from his broad perspective, technological sophistication, and connections with conservationists in the United States, and the Florida Plant Rescue has a promising start thanks to his support.



LAUREN WEISENBERGER

*Plant Recovery Coordinator,
US Fish and Wildlife Service*

Dr. Lauren Weisenberger is an exemplary spokesperson for rare plant conservation. From working with the critically endangered *Schiedea kaalae*, to her service on the Hawaiian Plant Specialist Group of the IUCN Species Survival Commission and the Advisory Council for Laukahi: The Hawai'i Plant Conservation Network, Lauren's unyielding support and collaborations are essential for saving plants.



JAMES KWON

*Biologist, US Fish and Wildlife
Service, Pacific Islands*

James Kwon has an enviable position that takes him across the Hawaiian and Mariana Islands, promoting the conservation of more than 170 threatened and endangered species that reside on military lands. His early experiences with botany and the wonders of diversity on the Hawaiian Islands helped shape his career path in conservation.



ANDY LOVE

CPC Board of Trustees

If ever asked, "Why save plants?" Andy Love waxes eloquent about the self-evident importance of plant conservation for human well-being. A stalwart conservationist, Andy has served on the CPC Board of Trustees managing our investments and personally supporting plant sponsorships for more than two decades, understanding the resources PIs devote to steward rare plants.



San Diego Botanic Garden staff on Otay Mountain. Photo credit: Joe DeWolf.



JENNIFER POSSLEY
*Conservation Program Manager,
Fairchild Tropical Botanic Garden
and 2022 CPC Star Award Recipient*

Jennifer’s dedication to the plants of South Florida and the Caribbean has truly saved plants from extinction. She leads a team working with over 100 rare plants in the region to bank seeds, monitor populations, research genetic relationships, and conduct reintroductions, all of which advance plant conservation in the region.



KATIE HEINEMAN
*VP of Science & Conservation,
Center for Plant Conservation*

Dr. Katie Heineman is at the heart of many of CPC’s networkwide conservation initiatives—from the educational resources housed in the Rare Plant Academy to the Seed Longevity Study, and more. Her commitment to the shared access and practical application of biological data advances our mission to Save Plants by making plant-saving information readily accessible for conservation practitioners.



JEREMIE FANT
*Associate Conservation Scientist,
Conservation Genetics and
Molecular Ecology, Chicago Botanic
Garden*

Dr. Jeremie Fant has devoted his career to understanding and advancing the conservation of rare plants and their genetic diversity. By using genetic approaches to his areas of focus—rarity, restoration, and ex situ conservation—Jeremie’s work provides valuable insight by identifying risks and potential management improvements that can contribute to their preservation and recovery.

People and plants are inextricably linked.



AMY PATTEN

*Rare Plant Treasure Hunt Manager,
California Native Plant Society*

Amy Patten has a passion for science outreach and citizen science, which she channels into her role managing the Rare Plant Treasure Hunt—a citizen science effort that serves as an inspiring example of how botanical organizations can effectively collaborate with community members to advance rare plant conservation. Amy's work shows the positive impacts made when we work together for our organizations and community, and for the rare and native plants we are striving to save.



JOE DAVITT

*Research Associate, San Diego
Zoo Wildlife Alliance (SDZWA)*

Joe Davitt is a frequent collaborator and dedicated conservation partner to the Center for Plant Conservation and is instrumental to the creation of educational resources featured on the Rare Plant Academy. He also collaborates with CPC and the SDZWA Plant Conservation team on the California Plant Rescue initiative and a large-scale restoration project at Torrey Pines State Natural Reserve.



JESSAMINE FINCH

*Research Botanist, Native Plant
Trust*

Dr. Jessamine Finch's research at the New England Plant Conservation Program's seed bank helps advance our understanding of rare plant conservation, and her support of community science and public education initiatives engages new stakeholders to help us reach our collective conservation goals to save endangered plants.

PLANT SPONSORSHIP PROGRAM 6



Oahu Lobelia (Lobelia oahuensis) received sponsorship funding in 2022. Photo credit: Nathan Yuen.

Sponsor a Plant, Save a Plant

Plant sponsorships play a critical role in CPC's mission to Save Plants from extinction. When a Participating Institution (PI) accepts responsibility for a National Collection species, it makes a long-term commitment to steward the species for future generations. PIs invest significant resources and effort in securing and holding the imperiled plant material, and they advance research and new technologies on the best ways to grow, manage, and restore these rare species. To offset some of the expenses of collecting, growing, and researching these plant species, CPC established the Plant Sponsorship Program. Plant sponsorships provide the PI responsible for the named species with steady, reliable funding for long-term work.

A single donor or a group of donors may sponsor a plant at the \$10,000 level by contributing any dollar amount or at Premium levels by contributing \$25,000, \$50,000, or \$100,000. A sponsorship does not cover all the expenses, but it provides significant help and stability. In 2022, CPC secured \$99,146 in plant sponsorship funds, and paid out \$139,675 in annual stipends to our conservation partners stewarding sponsored plant species.



Learn more by scanning the QR code!



SPECIES SPOTLIGHT **SHORTLEAF DUDLEYA**

Shortleaf dudleya (*Dudleya brevifolia*) is a critically imperiled succulent species found only in five wild populations in western San Diego County, California. This diminutive plant can be difficult to spot in the wild when not in bloom—and can even remain dormant underground for extended periods of time. Shortleaf dudleya is primarily under threat from urban development, climate change, and trampling due to the populations' proximity to coastal recreation areas.

In addition to holding this species in ex situ collection, the San Diego Zoo Wildlife Alliance (SDZWA) has successfully propagated several populations of Shortleaf dudleya and conducted a reintroduction at Torrey Pines State Natural Reserve to stabilize and expand the wild populations. The Center for Plant Conservation (CPC) collaborates with SDZWA to support the conservation of Shortleaf dudleya by ensuring quality field data collection and geospatial management for the reintroduction project and documenting the project for posterity in our CPC Reintroduction Database.

Sponsorship of this species will have lasting impacts in the recovery of one of the most iconic habitats in the region—the maritime chaparral—while providing support to the scientists working to protect the Shortleaf dudleya from extinction.

Sponsor this plant by scanning the QR code!



Shortleaf dudleya (Dudleya brevifolia).
Photo credit: Carlos L. de la Rosa.

DONORS & KEY PERSONNEL

Benjamin Franklin Circle (\$10,000+)

Edward K. Love Conservation Foundation, Andy Love

Ruth and Edward Evans

Lynde B. Uihlein, Brico Fund

Mr. Clark Mitchell and Mr. David Lapham

May (Polly) Pierce

Curtis and Edith Munson Foundation

Josephine Bush

Anonymous

Mrs. Francis W. Hatch

Nancy Ylvisaker and Wesley Jones Foundation

James and Alison Luckman

Joyce Maschinski and Mira Petersen

Dr. Barbara Millen and Dr. Markley H. Boyer

Mary Ann Streeter

President's Circle (\$5,000-\$9,999)

The Mercer Society

The Alberts Family Fund

Lindsay Marshall

Mrs. Mary Randolph Gordon Ballinger

Mrs. Geraldine (Bean) Brooks Carroll and Dr. Charles Carroll, IV

Mrs. Richard Dirickson

Nancy and David Doyle

Alfred and Mary Jo Means

River Branch Foundation

Hal and Carol Varian

Restorer (\$2,500-\$4,999)

Ms. Jessie M. Harris

Dr. Damon Waitt

Connie McPheeters, Alex & Jenny McPheeters, Lizzy & Dave Rickard, and Katherine McPheeters

Plant Cell Technology, Inc.

Anonymous

Anonymous

Conservator (\$1,000-\$2,499)

Johanna and Jeffrey Zinn

King and Hope Poor

Mr. and Mrs. Lalor Burdick

Susan B. Clark

Elizabeth Elser Doolittle Charitable Trust

Ms. Cynthia Froning

Samuel Kendall and Catherine Zusy

Mr. Jonathan Loring

Helen Michaels and Mike Tamor at Schwab Charitable

Noanett Garden Club

Mr. and Mrs. C. W. Eliot Paine

Anonymous

Jane N. Pugh

Mrs. Alexander Schleuning II

Brian Vogt

Dr. Christina Walters

Ms. Nancy C.H. Winter

Preserving Friend (\$500-\$999)

Marina O'Neill

Ms. Kathryn E. Stein

Richard Fairchild

Dr. Katie Heineman

Stephen and Susan Baird, Shurwood Fund

Mrs. Kathleen Burnett

Mr. Spencer Crews

Garden Club of America

Garden Club of Michigan

Nicholas Greville

Csanad Gurdon

Mr. Clifford Hague

Hortulus Inc.

Meredith Hughes

Mr. Roger O. Jeanty and Ms. Tracy Jeanty

David Lee

William and Alicia Robertson, IV

Dr. Oliver Ryder

Dimple Simson

Elizabeth Strauch

Patti J. Thompson and John P. Ellenberger

Mrs. John N. Wrinkle

Sustainers (<\$500)

Mr. and Mrs. Warren B. Lammert, Jr.

The Bower Studio

Mr. and Mrs. Walter Cabot

Mrs. Barbara S. Trelstad

Dr. James L. Hamrick

Hildebrand-Maddux Charitable Fund at Schwab Charitable

North Country Garden Club of Long Island, Inc.

Ms. Virginia M. O'Brien
Geraldine Payne

Elisabeth A. Raleigh

Mrs. Jephtha H. Wade

Edward B. and Ruth T. Evans Family Foundation

Ms. Susan Bernstein

Peter and Sofia Blanchard

Daniel Butterfield

Mrs. Frances H. Clark

Mrs. Marianne Gawain-Davis

Gidwitz Family Foundation

Mr. William C. Hunter and Mrs. Margaret L. Gallagher

Dr. Stephanie Mayer

Lorie Meigs

Anonymous

Randy and Melissa Nyboer

Mercer O'Hara

Dr. F. Thomas Ott

Bob and Susan Peck

Ms. Joanna Phippen

Nancy Sather

Mrs. Sandra R. Smith

Peter and Carolyn White Charitable Fund

Ms. Joann Karges

Gladys Reyes

Mr. Harold Draper

Mr. Robert Gustafson

Mr. Marshall Hamilton

Dr. Eric S. Menges

Ms. Emily J. Sandelin

Ms. Patricia L. Wendel

Mr. Peter J. Schweinsberg

Mr. Edward C. Blau
Kevin Bryant
Billy Drynan
Mr. Dave Ehrlinger
Sue and Phillip John
Mr. Ronald W. Palmquist
Mrs. Mary T. Sargent
Mr. David Schwaegler
Erick Smith
Claudia Vetesy
Mr. John A. Pollack
Mr. and Mrs. Perry Scott
Thrift For Good Ltd
Col. Scott D. Aiken
Mrs. Catherine C. Allard
Sally Anderson and
Richard Cooper
Mr. George Archibald
Mr. Timothy W. Athan
Ms. Tracey Beaudin
Jim and Mary Ann Bell
Mrs. Margaret L.
Chatham
Mrs. Roberta M.
Coughlin
Ms. Jane L. Davis
Catherine Felton
Anonymous
Mr. and Mrs.
Whitney Hatch
Melissa Hoffer
Richard D. Holland
Ms. Mary Jensen
Ms. Judith D. King
Robert N. Leggett, Jr.
Mr. and Mrs. Scott
Lenharth
Ms. Barbara Leone
Roger and Florence
Liddell

Mrs. Maya Margaronis
Ms. Sara Mauritz
Mr. Dennis C. McGlade
Dr. Meredith McKinney
Sharon Owsley
David Paddock
Ms. F. Taylor Pape
Dr. Arthur M. Phillips III
Jane Ranz
Ms Ruth Saecker
Schwab Charitable
Mr. Thomas H. Seiler
Anonymous
Miriam Truslow
Mr. Thomas Vogelsang
Dieter Wilken
and Beth Painter
Mrs. Ann H. Young
Dr. Robert B. Zevin
Mr. John Hartley
Mrs. Lynn J. Wessman
Ms. Christine Dudding
Center for Urban
Horticulture
George and Kay
Yatskievych
Janet Wilford
Ms. Brenda E. Hunt
Network for Good
Carolyn Summers and
David Brittenham
Dr. Matthew Albrecht
Dr. John S. Baker
Russell Boothby
Burton and Marianne
Boxenhorn
Car Max Foundation
Ms. Susan Clancy
U.S. Forest Service
Ms. Marion Degroff

Edgewood Gardens
Mr. Henry Eilers
Emilia Falk
George and Lisa Foote,
Jr.
Donna Ford-Werntz,
Ph.D.
Mr. A. Mark Gabriele
Leah Gayagas
Janet M. Grabowski
Ms Patricia Helm
Mrs. Robin Inman
Dr. Jason Koontz and
Dr. Todd Linscott
Dr. Madlan McKernan
Lenore Millison
Leslie Pierpont
Marilou Pudlak-Town
Mr. David Read
Joseph Ree
Rochelle Ritchie
Barbara L. Roberts
Dr. Stephen Weller and
Dr. Ann Sakai
Ms Allison Shaw
Short Hills Garden Club
Elizabeth F. Spiess
Mr. and Mrs. Bret
Steiner
Ms. Paula Stuart
Ms. Karen Vail
Ms. Betty G. Ware
Applied Materials
Foundation & Employees
Gianna Desrochers
Sean Griffin
Drs. Peter and Janet
Henson
Ms. Kristen Natoli
Mr. and Mrs. Jonathan
A. Shaw

James and Janet
Douglas
Ms. Ann Earley
Ms. Julie B. Elfving
Mr. Emanuel Goldman
Dan Goodman
Mr. Dean Kelch
Colin Khoury
Mr. and Mrs. Francis V.
Lloyd
Mr. Paul Montgomery
Mrs. Leslee Newton-
Reed
Benton Kealii Pang
Jennifer Phelps Tempest
Mr. Daniel R. Rice
Berni Schiff
Daniel C. Shively
Sarah Canham
Elisa Rios
Ms. Lenore Cornille
Dennis and Sherry Horn
Mr. Andrew Thomas
Ms. Ruth K. Underwood
Maureen Wilmot
Daniel Agis
Kathy Aub
Lucy Ferneyhough
Rita-Maria Kafalas-May
Brienne Walker
Pledgeling Foundation
Kathryn Lai
Anonymous
John Kust
Meredith Lewis

In Honor Of

Carson Alberg's
Birthday
by The Clarius Group
LLC

Flora Gahan
by Dr. Katie Heineman
Prof. Miguel Pedro
Guerra
by Joseph Ree
Lori Allen Ichikawa
by Leah Gayagas
James Kwon
by Benton Kealli Pang
Dr. Joyce Maschinski
by Garden Club
of America
Sandy Masuo
by Rochelle Ritchie
Lucinda McDade
by Mrs. Geraldine
(Bean) Brooks Carroll
and Dr. Charles Carroll,
IV
Maura Newell
by Russell Boothby
Grant Phelps
by Jennifer Phelps
Tempest
May Harding Pierc
by David Lee
Janet Meakin Poor
by King and Hope Poor

In Memory Of

Rick Dirickson
by Alfred and
Mary Jo Means
Dr. Don Larence
by Nancy Sather
Hooker Talcott, Jr.
by Lorie Meigs
E.O. Wilson
by Kathryn Lai

*We strive to ensure the
accuracy of this list. Should
you find any omissions or
errors, please contact the
CPC National Office so that
we may update our records:
info@saveplants.org*

Our Team

Carlos L. de la Rosa,
Ph.D. *President & CEO*
Katie Heineman, Ph.D.
VP of Science and Conservation
Shannon Fowler, M.A.
*Director of Communications &
Public Programs*
Tina Stanley
*Conservation Program
Associate*
Matora Fiorey, Ph.D.
Administrative Specialist
Joyce Maschinski, Ph.D.
Former President & CEO
Maureen Wilmot
*Former VP of Operations &
Advancement*

2022 Board of Trustees

Barbara Millen, *Chair*
Allison Alberts,
Vice Chair
Lucinda McDade,
Treasurer
Ruth Todd Evans,
Secretary
Mary-Randolph
Ballinger*
Geraldine Carroll*
Spencer Crews
Dana Dirickson
Nancy Doyle
Christopher Dunn*
Diana Fish
Andrew Love, Jr.
Alison Luckman
Janine Luke
Lindsay Marshall*
Scot Medbury*
Clark Mitchell
Damon Waitt***
Nancy Ylvisaker

**retired in 2022*

****Interim President & CEO*

Emeritus Trustees

Dr. Peter S. Ashton
Josephine Bush
Patricia Bush**
Dr. Don Falk
Mrs. Ladeen M. Miller
Dr. Peter H. Raven
Mr. C. W. Eliot Paine
Mrs. May (Polly) Pierce
Mrs. Emma Seymour
Jonathan Shaw
William Truslow**
Dr. Frank Thibodeau
Mr. Chipper Wichman
Ms. Lynde Uihlein

***Deceased*

Our National Office Partners

Armanino
Toni Baril
Sonya Calderon
Jules Cooch
Evergreen Alliance
Joe Davitt
Amie Forest
FYC Labs
Community Boost
San Diego Zoo Wildlife
Alliance
Hanna Rosner-Katz

Our Fellows & Volunteers

Eduardo Charvel,
CPC Summer Fellow
Kathy Elliot,
CPC Newsletter Volunteer
Kira Lindelof,
Catherine H. Beattie Fellow
Thomas Wiegand,
Catherine H. Beattie Fellow
Joe Bellis,
Post Doctoral Fellow

We are pleased to share financial information for The Center for Plant Conservation's fiscal year January 1 through December 31 derived from the audits for 2020, 2021, and 2022. For more detailed financial information, please see our audited financial statements on our website at saveplants.org/about-us/reports-and-finances.

OPERATING REVENUES

(WITHOUT DONOR RESTRICTIONS)

\$1,763,049

OPERATING EXPENSES

\$1,730,666

NET OPERATING INCOME

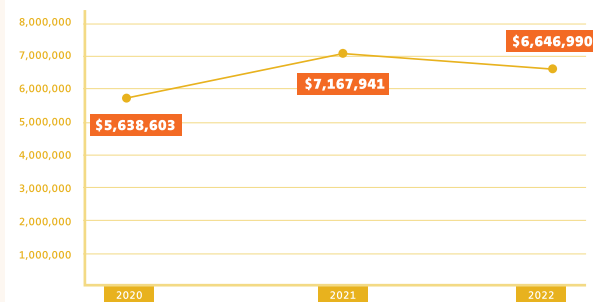
\$32,383



1	2
National Office Expenses	Plant Sponsorships Stipends to Conservation Partners
\$712,154.00	\$139,675.00
3	4
2022 National Meeting Expenses	Seed Collections Funding to Conservation Partners
\$53,456.00	\$362,315.00

ENDOWMENT ASSETS AT FAIR VALUE

CPC's endowment, named the Plant Conservation Fund, includes funds established by donors to provide for specific activities and general operations.



The annual distribution from the endowment is based on the Board approved draw policy. The rate, determined and adjusted from time to time by the Board, is applied to the average fair value of the endowment portfolio for the prior three years at December 31. During 2022, the draw rate was 5%.

SELECTED FINANCIAL DATA

The data set forth below are derived from the audited financial statements of CPC, which are included in full on our website at saveplants.org/about-us/reports-and-finances and should be read in conjunction therewith:

STATEMENT OF ACTIVITIES

OPERATING DATA

	2022	2021	2020
Operating Revenues			
Grants and contributions without donor restrictions	\$529,837	\$569,864	\$347,224
In kind contributions (SDZWA)	244,308	406,327	459,116
In kind contributions	47,699	-	-
Government grants + contracts without donor restriction	420,759	211,197	174,284
Participating institution fees	77,785	75,925	70,825
National meeting	36,650	10,725	14,050
Draw from accumulated investment earnings (released from donor restricted endowment)	306,590	257,169	240,206
Other Net assets released from donor restrictions	92,993 ^{1/}	30,000 ^{1/}	30,000 ^{1/}
Gain on forgiveness of Paycheck Protection Program Loan	-	51,967	-
Other income	6,428	44	639
Operating Expenses	\$1,763,049	\$1,613,218	\$1,336,344
Program Services:			
National office	\$712,154	\$612,660	\$691,494
Plant sponsorships	139,675	138,000	138,000
Seed collecting at Pls	362,315	86,350	12,500
National meeting	53,456	5,219	3,590
Sub-Total Program Services	1,267,600	842,229	845,584
Management and General Support	369,177	291,743	255,342
Fundraising	93,889	117,730	97,877
Total Operating Expenses	\$1,730,666	\$1,251,702	\$1,198,803
Net operating income (loss) after draw from accumulated investment earnings	\$32,383	\$361,516	\$137,541
Effect of changes in funds subject to donor restrictions			
Draw from accumulated investment earnings (released from donor restricted endowment)	\$(306,590)	\$(257,169)	\$(240,206)
Other net assets released from donor restrictions	(92,993) ^{1/}	(30,000) ^{1/}	(30,000) ^{1/}
Government grants + contracts with donor restrictions	33,815	100,000	-
Contributions with donor restrictions - Additions to endowment	106,786	46,075	2,400
Subtotal	\$(258,982)	\$(141,094)	\$(267,806)
Net income (loss) before non-operating income and expenses -Investment earnings, net	\$(226,599)	\$220,422	\$(130,265)
NON-OPERATING / INVESTMENT EARNINGS /CHANGE IN NET ASSETS DATA:			
Net operating income (loss) before non-operating income and expenses - Investment earnings, net	\$(226,599)	\$220,422	\$(130,265)
Non-operating income (loss) - Investment earnings, net	-320,784	1,741,310	288,203
Change in Net Assets	\$(547,383)	\$1,961,732	\$157,938
ENDOWMENT DATA			
Endowment at fair value, beginning of year	\$7,167,941	\$5,638,603	\$5,588,856
Investment earnings, net of expenses	-321,147	1,740,432	287,553
Draw from accumulated investment earnings (5% of 3 year rolling average endowment)	(306,590)	(257,169)	(240,206)
Contributions	106,786	46,075	2,400
Endowment at fair value, end of year	\$6,646,990	7,167,941	\$5,638,603
Approximate annual percentage return on endowment	(4.48%)	30.87%	5.10%
Surplus of Investment earnings over (or shortfall from)	\$(627,737)	\$1,483,263	\$47,327
Draw from accumulated investment earnings			

1/Satisfaction of donor restriction for 2020, 2021, and 2022 portion - Funding of administration of CaPR and FLPR.

**STATEMENT OF FINANCIAL POSITION DATA
ASSETS**

	2022	2021	2020
Current Assets			
Cash and cash equivalents - operating	\$1,165,941	\$1,007,288	\$594,343
Cash and cash equivalents - CA Biodiversity overhead for 2020 through 2023	30,000	30,000	30,000
Accounts receivable, net	6,264	24,807	1,847
Grants receivable	-	20,065	39,985
Prepaid and other assets	64,569	16,797	11,123
Total Current Assets	1,266,774	1,098,957	677,298
Cash and cash equivalents - endowment	50,764	37,630	58,093
Cash and cash equivalents - restricted funds held for others (including CDs)	1,790,815	2,285,215	2,756,299
Cash and cash equivalents - CA Biodiversity overhead for 2020 through 2023	-	30,000	60,000
Property and equipment, net	3,633	2,893	4,590
Endowment investments (at fair value)	6,596,226	7,130,311	5,580,510
TOTAL ASSETS	\$9,708,212	\$10,585,006	\$9,136,790
Liabilities			
Accounts payable and accrued expenses	\$74,021	\$192,006	\$182,271
Deferred revenue	296,125	13,151	13,351
PayCheck Protectoin Program Loan	-	-	51,967
Fund held on behalf of others	1,790,815	2,285,215	2,756,299
Total Liabilities	\$2,160,961	\$2,490,372	\$3,003,888
Net Assets			
Without donor restrictions			
Undesignated	\$799,439	\$766,693	\$404,299
Designated by Board for an endowment	608,744	608,744	608,744
Accumulated endowment investment earnings	327,625	374,914	171,001
Total without donor restriction	\$1,735,808	\$1,750,351	\$1,184,044
With donor restrictions			
Donor restricted - temporary in nature	\$100,822	\$160,000	\$90,000
Endowment - perpetual in nature	2,316,271	2,209,485	2,163,410
Accumulated endowment investment earnings	3,394,350	3,974,798	2,695,448
Total with donor restriction	\$5,811,443	\$6,344,283	\$4,948,858
Total Net Assets	7,547,251	8,094,634	6,132,902
TOTAL LIABILITIES AND NET ASSETS	\$9,708,212	\$10,585,006	\$9,136,790



*Thanks to the dedication and generosity of our staff,
Board of Trustees, Conservation Partners, and donors, the
Center for Plant Conservation continues to be a vibrant and
sustainable organization that saves plants from extinction.*

Gaviota tarplant (Deinandra increscens ssp. villosa). Photo credit: Heather Schneider.



CENTER FOR PLANT CONSERVATION

CPC safeguards rare plants by advancing science-based conservation practices, connecting and empowering plant conservationists, and inspiring all to protect biodiversity for future generations.



Make a Gift to Save Endangered Plants

The Center For Plant Conservation (CPC) is a 501 (c) (3) non-profit organization (EIN# 22-2527116) Photo credit: Caroline Iacuniello.

National Headquarters

15600 San Pasqual Valley Road, Escondido, CA 92027

saveplants.org | info@saveplants.org | 760.796.5686



**San Diego Zoo
Wildlife Alliance**

The CPC National Office is proud to be headquartered at the San Diego Zoo Safari Park in Escondido, California, in partnership with the San Diego Zoo Wildlife Alliance, a CPC Participating Institution. We thank the San Diego Zoo Wildlife Alliance for their support and collaboration in our mission to save plants from extinction.