# PUBLISHED BY LAUDHOLM TRUST IN SUPPORT OF WELLS NATIONAL ESTUARINE RESEARCH RESERVE

#### FALL 2023 INSIDE

Nik's Notebook: e pluribus, laudholm Heron Invasives Removal Marine Invaders **Education Assessment** This Land: Volunteers Great Photos Wanted

#### LAUDHOLM TRUST STAFF

207-646-4521

Nik Charov, President Tracy Kay, Operations Director Kat Libby, M.S., Fundraising Coordinator Scott Richardson, Communications Director Karen Stathoplos, Membership Coordinator

#### WELLS RESERVE STAFF

207-646-1555

Paul Dest, Executive Director Jacob Aman, Stewardship Director Vanessa Beaulieu, Natural Resource Specialist Caryn Beiter, M.A., Program Coordinator Lynne Benoit, M.A., Volunteer Programs & Visitor Services Director Helen Cheng, M.S., Margaret A. Davidson Fellow Laura Crane, M.S., Research Associate Brian Determan, Beach Profiling Coordinator Sarah Dudek, M.S., New England Cottontail **Restoration Coordinator** Chris Feurt, Ph.D., Coastal Training Program Director Jason Goldstein, Ph.D., Research Director Brian Greenwood, Facilities Director Linda Littlefield Grenfell, M.Div., Environmental Educator Ben Gutzler, Ph.D., Postdoctoral Research Fellow Suzanne Kahn, M.S., Education Director Jeremy Miller, Research Associate Judy Plouffe, MBA, Director of Finance

#### AFFILIATED STAFF

Kristen Grant, M.A., Maine Sea Grant Senior Extension Program Manager

#### Nik's Notebook

#### e pluribus, laudholm

*Never doubt that a small group of thoughtful, committed citizens can change the world; indeed, it's the only thing that ever has.* 

— Margaret Mead

We've always felt that here at the Wells Reserve at Laudholm. This is a protected place saved, invigorated, and advanced by thoughtful, committed citizens, born not of tragedy but of opportunity. For four decades, the can-do, all-hands-on-deck spirit has thrived here, creating a unique and treasured spot on the coast of Maine.

You can see it in the pages of this newsletter. Whether it's staff and volunteers pulling together to root out, or at least identify, invasive species on land and in the sea, or dozens of students, parents, and educators making a mosaic to grace our gallery, from many efforts there arises one Laudholm. It is a collaboration that has passed the test of time, thanks to folks—like you—who have continued to stay involved and engaged.

This joint effort, the Wells Reserve at Laudholm, will officially turn 40 next year. Middle age, I've found, is a time of unavoidable but essential reflection, self-questioning, planning, and possibility. So let it be with your Laudholm next year as well. In our Spring 2024 *Watermark*, and even before then, you'll be hearing from us, but we'd love to hear from you too. Tell us: What makes this special place world-changing for YOU?

IN Nik Charov

President, Laudholm Trust Chairman, Wells Reserve Management Authority

### dozens contribute to heron art

#### BY SCOTT RICHARDSON

Eric Gold assembled a hundred fragments of art, each 3½ inches wide, a little more than 5 inches tall, and embedded with a story, to make "Heron," the collaborative painting now on display in the reserve's Eugene Frederick Artway (the hallway to the auditorium).

The avian portrait was the product of "Dwellers of the Wells Reserve," a summer program organized by education director Suzanne Kahn and hosted by Gold.

To prepare for Dwellers, Gold superimposed an enlarged great blue heron photo over a marsh background image, then decimated them, across and down, making 100 rectangles. On June 27, he carried those cards, a passel of paintbrushes, and curated acrylics heavy in grays, blues, and greens to the auditorium. There, through five hour-long sessions, he guided small groups to their shared goal. Each person painted a small part—the wader taking wing, the sky, the far bank of marsh grass, the world beneath the water's surface—applying acrylics while chatting about the majestic birds, the places they live, and how to protect them.



Gold has done this kind of collective work before, often with human subjects, as he explores elevating consciousness in communities through shared creation of art. There is hope Dwellers of the Wells Reserve will be repeated in 2024 with a new animal. This year's program was supported by a grant from Save Our Shores Maine.

A PLEASED ERIC GOLD AT THE CLOSE OF DWELLERS OF THE WELLS RESERVE.

KIDS AND THEIR LEADERS IN THE FEATHERED FRIENDS DAY CAMP APPLY THEIR PERSONAL TOUCHES TO HERON.



### going on the offensive against invasives

"IT'S BEEN DEPRESSING TO WATCH THE INVASIVES TAKING OVER— I'M GLAD FOR THE OPPORTUNITY TO HELP TURN THE TIDE." —NANCY KEDERSHA

BY SCOTT RICHARDSON AND CHLOE MARCH

Walk any trail at the reserve and you will find them. Sometimes they'll find you. They dominate certain areas and perennially test others. Once, they were invited. Now, they are unwelcome. But it seems they're here to stay. You may have guessed: They are **the Big Three** non-native invasive plants at the reserve: bittersweet, barberry, and honeysuckle.

**Bittersweet,** the persistent vine with pretty yellow-husked red berries that climbs trees, gradually strangling its host and adding so much weight that branches break and entire trees fall.

**Barberry,** the thorny shrub with crimson drupes that is so unpalatable to browsing deer that it is ignored in favor of nonprickly plants, which get consumed and eventually find themselves overridden by the invaders.

**Honeysuckle,** the gangly shrub with sweet-scented flowers that opens its leaves early in spring, stealing sunlight from late-comer neighbors, throwing shade that eventually prevents natives from thriving.

Once these plants colonize an area, eradicating them can become infeasible; containment may be the only realistic option.

#### **DRAWING THE LINE**

This summer and fall, the reserve reinvigorated efforts to fight back against the Big Three. Under direction from Vanessa Beaulieu, natural resource specialist, and guided by Chloe March, conservation intern, 16 volunteers dedicated themselves to the cause. The strategy: Select specific locations with high ecological value or greater chance of success.

Five sites were chosen. The **Saw-whet Owl Trail** and the western part of the **Laird Norton Trail** are mostly dominated by native plants but needed barberry and bittersweet removed from their edges. Along a section of the **Farley Trail**, a stand of native ferns was suffering a patch of invaders destined for removal. And in the **Yankee Woodlot**, the young American chestnut grove had to be rescued from uncontrolled bittersweet.

Removing invasive plants is hard work, both physically and mentally. Pull one bright-orange bittersweet vine and

### field work

Under the watchful eye of a red-tailed hawk, Brian Greenwood, facilities director, mows an open field in midautumn to keep the habitat from being overrun by invasive species. The hawk has learned that mowing often exposes prey like mice and voles.

11.11.111

For more on the importance of mowing, see the fall 2019 *Watermark*. For more on red-tailed hawks, see the summer 2019 issue. Both are available at wellsreserve.org/watermark.

STATISTICS IN COM

another three pop up. Work a barberry patch and enter a cage of needles. Honeysuckle wants nothing more than to trip up attackers and poke them in the eye.

Week after week, teams spent hours wrangling the big three and taking dozens of loads to the burn pile. **Slowly but surely**, they revealed ferns, freed hawthorns, and exposed greenery with a much longer history in these woods.

Those sites will require regular attention to prevent invasives from regaining the upper hand. To join the crew, contact Vanessa or Lynne (page 2).

Chloe March was a Maine Coast Heritage Trust Richard G. Rockefeller



ABOVE: RICHARD MCKINNON HOLDS A COUPLE OF HEFTY HONEYSUCKLE ROOTS. OPPOSITE: NANCY KEDERSHA REMOVES INVASIVES FROM A PATCH OF FERNS.

Conservation Intern working in the reserve's stewardship program this summer.

#### THE PULLING TEAMS

#### In June and July, these eight volunteers tallied 84 hours battling invasive species:

Nancy Kedersha Richard McKinnon Joe Rickert Laurie March Jamie Lombardi Rolfe Petschek Allan Amioka Helen Burdette

New pullers joined some continuing summer volunteers this fall:

Ginger Bevan Diane Carfora Bina Salvador Joe Rickert Nancy Kedersha Richard McKinnon Larry Guihan Nancy Welch

### tracking marine invaders in maine

BY SCOTT RICHARDSON



#### ENTITIES PARTICIPATING IN THE 2023 RAPID ASSESSMENT SURVEY

Duke University Framingham State College Harvard Museum of Comparative Zoology MIT Sea Grant Maine Department of Marine Resources Massachusetts Maritime Academy Massachusetts Office of Coastal Zone Management North & South Rivers Association and MassBays Princeton University Royal British Columbia Museum Southern Maine Community College Suffolk University U.S. Environmental Protection Agency University of California at Santa Barbara University of New Hampshire University of Rhode Island Wells National Estuarine Research Reserve Wheaton College Williams College

#### Invasive species are organisms introduced to a new location by human activity, and that can harm the environment, economy, or public health.

On a sunny morning in early August, experts on various forms of sea life, their students, and support staff arrive at Wells Harbor on a mission.

They carry aquarium nets, kitchen spatulas, and plastic trays, bottles, and bags down to the dock and, once in position, go prostrate and reach their arms over the edge. For the next 60 minutes, they scoop seawater, scrape surfaces, and inspect specimens. At the closing call, they gather up tools and samples and zip off to their next destination.

#### **RAPID ASSESSMENT**

Wells was just one stop on the seventh Rapid Assessment Survey. The event, coordinated by the Massachusetts Office of Coastal Zone Management since 2000, was the first such survey since 2018 and just the second to include Wells Harbor.

The reserve hosted the group for three days as they visited Georgetown, Rockland, South Freeport, and Wells..

The Rapid Assessment Survey:

- monitors marine species
- tracks trends in distribution
- detects new marine invaders, and
- documents regional patterns of established invaders.

Speed and expertise are the survey's hallmarks. Participants examine as many underwater surfaces as they can in an hour, recording both native and invasive marine species. Many organisms are identified in the moment, but many more won't be ID'd until team members study samples in a lab. It may be up to a year before the results are published.



#### **MIMIC FILLS THE GAPS**

In the early aughts, rapid assessment team members realized that obtaining data between their intense-but-infrequent surveys would be beneficial. Because new invaders can arrive any time, an expanded early detection network could create awareness and allow quicker response by resource managers.

To that end, they started laying groundwork for the Marine Invaders Monitoring and Information Collaborative. In 2008, trained MIMIC volunteers started monitoring sites in Massachusetts, New Hampshire, and Maine.

MIMIC's goals echo the rapid assessment, but in practice the focus is narrower. Volunteers learn 18 invasive species selected for ease of identification, regular occurrence, and importance to resource managers. Many volunteers go beyond these basics, noting other flora and fauna while at their sites. Over 15 years, MIMIC observers have sampled more than 40 locations and documented 500-plus species. In Maine, MIMIC is coordinated by the reserve's research associate Jeremy Miller. He oversees 18 MIMIC sites from Kittery to Bristol and supports almost 50 volunteers who have signed on to do monthly surveys between May and October.

#### **MIMIC IN ACTION**

On the final MIMIC survey of the year in Wells and Kennebunk, I joined Jeremy, Eileen Willard, Bruce Bjork, and Carol Steingart to watch them in action. At the harbor, they found a single European rock shrimp, a "good chunk of *Botrylloides*," and no *Didemnum* but 3 other target tunicates. They searched several spots then classified each species as abundant, common, few, or rare.

Surveying the usual tidepool in Kennebunk was a quick job. Late in the season, there are generally fewer species and individuals.

New volunteers are welcome to join the MIMIC project. Jeremy will lead the next training at the Wells Reserve in May. Watch our calendar for details.



MIMIC SITES IN MAINE, YEAR STARTED

Kittery Sea Point, 2016 York Harbor, 2008 Wells Harbor, 2008 Kennebunk Beach, 2008 Biddeford Pool, 2008 Spring Point Marina (South Portland), 2017 Segal's Reef (South Portland), 2009 SMCC Dock (South Portland), 2008 Peaks Island Dock, 2014 Peaks Island Tidepool, 2015 Great Diamond Tidepool, 2020 Great Diamond Dock, 2020 Long Island Fowlers Beach, 2016 Long Island Ferry Dock, 2015 Chandlers Wharf Dock (Chebeague), 2018 Waldo Point (Chebeague), 2018 Stone Pier (Chebeague), 2014 Rachel Carson Salt Pond (Bristol), 2022

FAR LEFT: THE WELLS HARBOR DOCK IN THE MIDST OF THE 2023 RAPID ASSESSMENT SURVEY. LEFT: JEREMY MILLER, EILEEN WILLARD, AND CAROL STEINGART SURVEY A KENNEBUNK TIDEPOOL. ABOVE: AN ALGAE SAMPLE COLLECTED FOR LAB INSPECTION. BELOW: RAPID ASSESSMENT SURVEY TEAM MEMBERS IN THE WELLS RESERVE TEACHING LAB.



### what do maine science teachers want?

BY SCOTT RICHARDSON

Three out of five educators teaching pre-K to high school in York and Cumberland counties are aware that Maine has a National Estuarine Research Reserve, but only one in five have used the Wells Reserve's educational resources, according to a needs assessment completed for the education program this summer.

I have used lesson plans and activities that I have gotten from past course work with Wells and Laudholm with great success in my classes.

The electronic survey was completed by teachers at both public and private schools. It attracted 213 responses from 100 schools. The 29 questions asked about educational settings, teaching approaches, field trips, program content, professional development, and interactions with the reserve.

Some results echoed long-standing frustrations—funding constraints and transportation challenges can put field trips out of reach and it can be hard to find time for either field trips or teacher workshops.

On the plus side, teachers said they need and value the kinds of programs and resources the reserve offers, especially experiential activities focused on ecological themes.

Pertinent in this post-pandemic year, teachers did not express much interest in virtual or technologybased offerings.

Since the education program's last needs assessment in 2011, teachers at

#### What is your ideal teacher workshop?

My ideal workshop combines community science connection, interdisciplinary relevance, and hands-on modeling that I can take back to my classroom.

The term "hands-on" was used 45 times in the 152 responses.

#### I would love to do more field trips but money and transportation is always an issue.

all grade levels have gained a greater interest in climate change resources. They have also intensified calls for education materials in various languages, particularly Spanish, Portuguese, French, and Lingala.

The needs assessment, completed by Waterview Consulting in Harpswell, will be discussed by the reserve's education advisory committee at its December meeting. Next year, the education staff will delve into the findings as they plan future programs, with the benefit of being better informed by local teachers.

Any new education initiatives at the Wells Reserve will need support. To make a donation that will help us reach more teachers and students, please contact Nik Charov at 207-646-4521 ext 144 or nik@laudholm.org.

THE MICROSCOPIC MARVELS PROGRAM COMBINES TIME ON THE SALT MARSH WITH LABORATORY EXERCISES FOR STUDENTS IN 6TH GRADE THROUGH HIGH SCHOOL.

### flotsam



#### **ON THE AIR**

The reserve's involvement with marine invasive species (see page 6) caught the attention of Maine Public, which dedicated a **Maine Calling** episode to the subject. Jennifer Rooks chatted with our own Jeremy Miller, along with Curtis Bohlen (Casco Bay Estuary Partnership), and Carol Steingart (Coast Encounters) in front of an enthusiastic audience in the Laudholm barn.

#### **PEOPLE**

After 13 years in the reserve's Coastal Training Program, **Annie Cox** has moved to the Piscataqua Region Estuaries Partnership as its watershed resilience manager.

**Emily Greene,** Coastal Training Program assistant and outreach coordinator for the Saco Watershed Collaborative, has redirected her energy toward Earth & Equity, a sustainability and social performance consulting group.

On June 7 in Boston, the Gulf of Maine Council on the Marine Environment presented **Paul Dest** with a 2023 Visionary Award. He was cited for outstanding contributions toward protecting natural resources at the Wells Reserve and the broader Gulf of Maine watershed.

In October, education director **Suzanne Kahn** supported whale research as a Grosvenor Teacher Fellowship Alumna on board a Lindblad Expeditions– National Geographic voyage in Southeast Asia and Micronesia. Meanwhile, research scientists **Jason Goldstein** and **Ben Gutzler** flew to western Australia to present at the 12th International Conference and Workshop on Lobster Biology and Management.



#### Laudholm Trust Board of Trustees

Hal Muller, Chair Bruce Bjork, Vice Chair/Treasurer Penny Spaulding, Secretary Mark Balfantz, Clerk John Carpenter David Forest Beth Geary Stephen Giannetti Denise LaRoche Jen LaVin Sue Rioux Margo Smith

#### **Honorary Trustees**

Cynthia Daley George W. Ford II Lily Rice Kendall Hsia Bruce Read Betsy Smith Hans Warner

#### **Wells Reserve Management Authority**

Nik Charov, Chairman President, Laudholm Trust Robert Foley, Treasurer Member, Board of Selectmen, Town of Wells David Rodrigues Director of Real Property Management, Bureau of Parks & Lands, Maine Department of Agriculture, Conservation and Forestry Karl Stromayer Manager, Rachel Carson National Wildlife Refuge U.S. Fish and Wildlife Service Gayle Zydlewski, Ph.D. Director, Maine Sea Grant College Program University of Maine Kathleen Leyden (ex-officio), Secretary Director, Maine Coastal Program Maine Department of Marine Resources Erica Seiden (ex-officio) Program Manager, National Estuarine Research Reserve System Office for Coastal Management, National Ocean Service

National Oceanic and Atmospheric Administration

The Wells National Estuarine Research Reserve is one of 30 reserve sites throughout



the country. All reserves require local funding to match federal grants from the National Oceanic and Atmospheric Administration. The Wells Reserve is the only reserve that receives its match from a 501(c)(3) nonprofit organization. Each year, Laudholm Trust contributes private funds and in-kind services to support Wells Reserve operations and capital improvements.

### this land was saved by volunteers



We held our customary volunteer appreciation event in September this year. What perfect timing! The afternoon was warm and bright, as were the people who attended.

The reserve's unofficial choral society serenaded their faithful friends, who bring so much heart to their work at the Wells Reserve at Laudholm, with custom lyrics sung to a well known tune.

THE "WELLS RESERVE CHORAL SOCIETY" INCLUDES, FROM LEFT TO RIGHT, KAREN STATHOPLOS, SUZANNE KAHN, BRUCE BJORK, CARYN BEITER, PAUL DEST, KAT LIBBY, NIK CHAROV, AND LYNNE BENOIT.

#### SUNG TO THE TUNE OF "THIS LAND IS YOUR LAND" BY WOODY GUTHRIE

This land is YOUR land, this land is OUR land From Alheim dorm-a, down to Drakes Island From the upland forests to the Maine Gulf waters This land was saved by volunteers

As I went walking those ribbons of boardwalk I saw beside me those preserved marshes I saw before me vast milkweed meadows This land was saved by volunteers

Docents and rangers clocked countless hours When it comes to caring, they have great powers Their voices sounding, on two-way ra-di-o Champions of coastal eco-lo-gy

There was a high wall of green invasives Choking the chestnuts, the tender hawthorns We asked for help and just guess what happened Native plants are thriving once again

Visitors come calling, they see the sign and Inside the booth is a smiling person They may be looking for the Rachel Car-ar-son These folks helped by our volunteers Day in and day out, you set the example That's why we're caught up on larval samples In every season check on red maples Great efforts by kick-ass (!) volunteers

When the sun comes shining, when the grass needs mowing Walls of endless painting supplies need stowing, Though the workshop's flooding, you still showed up today Our wonderful fa-cil-ities volunteers

In the Visitor Center, or on the trails, dear Whenever we need you, you somehow get here Soon we'll stop singing, but before we go-o-o Once more for all our volunteers

All together now: This land is YOUR land, this land is OUR land From protected wetlands, down to Drakes Island From the towering white pines, to the Maine Gulf waters Thank you to all our volunteers

Thank — you — to — all — our — volunteers!

## to our recent donors thank you

#### In honor of

Rebecca Kibler

#### In memory of

Doris Adams Clare Barden Carl Browning Kacy Burdett Jesse Evangelou G. Gordon Fluke Rhoda Frederick Ed Henry Diana Little Tatiana Olshansky Demetra Stathoplos Alice Strait Barbara Wallis

#### **New members**

Gail Alling Linda Anderson **Elizabeth Andrews** John Apte Christine Auclair Bridget & Christian Babcock Denise & Adam Baur Norma & Herb Bee Amy Benson Ronna & Bruce Berman Susan Bernat Joan Beskenis Jane Bickford Linda Billows Ian Bradley-Perrin & Timothy Kane Anna Bragdon & Mike Caron Elizabeth & Michael Braniff Katie Brantner Dan Breen & Jim Burnett Debra Callahan Janet Campagna Jennifer & Oscar Campos Jim & Martha Caron Debra & Tom Casalino Laura & Thomas Cashell Noelle Castle Deana & Jim Cavan Patricia Chandler Sandra Chaplin Patrice & Gerry Clifford Commander Cody Caving Club

Jeffrey Conlon **Richard Cullen** Dorothy Dabney Erica & Russell Danziger Alyson & Duncan Dewar Paula F. Dickinson Sheryl Dickey & Amy Bennett Christopher Dore Dale Dorr Kristina Doucette Dennis & Cynthia Downs Estate of Rose E. Safran Keith & Lisa Falta Marilyn Falzone Antoinette Ford John Forest Douglas & Lynn Fraser Cathy & Greg Gallant Kathryn Gallucci Randy Gates Sandi-Jo Geller Marv & Caleb Gervais Stacy & Mark Gillis Michael Gleason Sarah Gleeson Gail L. Hansche Godin Elizabeth Gould Margaret M. Grady Emer Grall Talina Gregory Julia & Jake Greiner Christine & Robert Grosse Mary Ann & Dan Guadagnoli Christine Gula Carol Hargest Jared & Aveda Harris Lisa Harrison Greg & Thomasine Helsmoortel Kathleen Herold Jocelyn Hubbell Jeff & Danielle Hudson Cindy Hunt Kathy Hynes Jean Irvine Nancy & Eric Johnson & Family Maria Junker Jenny Kane Jim & Jill Kernohan Donna Konicki Cory Kuhl & Lee Jacobsen Kenneth Labb Sharon Labbate

Haley Lachance Janice & Michael Lakowicz Susan, Lars & Elliot Larsen Chryso Lawless Michael & Sheila Lebarge Maureen & Woody Lee, Jenny Cooley & Freda Zizka Christian & Hannah Leslie Meg Lewis Dexter Littlefield Thomas K. Liversidge Ryan & Julianne Lovergine Tammy Maio Maureen Mann Sage Marsters Mary-Howell Martens Donald & Lois Martin Mary Martisius & Tony Lane Frank Mase & J. Kathryn Winsor Kim Massaro Susan McDonald & Paul Smith Pamela & Tom McKenna Johanna Moody & Jed Quint Mary & Roy Mottla Philip Mugridge & Cindy **McDonnell** Melinda Mulligan Emily & James Mundy Susanne Murphy Lynn Murray Lauren Nilsen Sandi O'Connell Patricia O'Connor Kathy Ohley Bridget Olson Julia & David O'Neil Susan O'Neil Brian & Sarah O'Sullivan Alison Patton Valerie Pennington Bob & Kathy Porter Mark Porter David & Gail Porteus Joseph Price Anca Pusca & Noel Selegzi Terry Rabinowitz & Nancy McCloy Dillon Reno Dan & Fran Riggall Michelle Robert Chris, Renee & Madeleine Robinson

Sarah Roche Caroline Ruhm Juliette Saisselin & Bill Killion Anne Salemme Deb Sample Michelle Sampson Peter Sargent Maureen & Bob Sawyer John & Ali Schromm Linda Sentner Theresa Shankland Ellen P. Shaw Mary & Al Sicard Peter & Yamilett Sickles Marcela & Kevin Smith Margo Smith **Richard Snow** Greg Soster Mary Stinson Kristen Stoddard Jeff Stulen Eileen K. Sweenev Rob Sylvan Bryan Tedesco & Erin Dahill Leo & Dianne Tetreault Donna & Jim Thompson Joanne Toone Lorrie Towne Janet Trimper Sheila Tufts Kathleen Turner Karen Uebele Erin van Geem Pat & Steve Vinter Joyce Ann Vitale & Barbara Tonelli **Russ Walker** Holly & Dan Weinberg Kevin & Jennifer Kelley Welch Jane Wiseman Mary & Peter Wright Robert Wyrick Edward Yarbrough Jennifer Zuhr

#### **In-kind gifts**

John Apte for a canvas print of the Laudholm campus and Little River estuary

#### wells reserve mission

To understand, protect, and restore coastal ecosystems of the Gulf of Maine through integrated research, stewardship, environmental learning, and community partnerships.

#### laudholm trust mission

To raise financial and community support for the Wells Reserve at Laudholm and Maine's coastal environment.

#### WANTED

Spectacular Photography and Extraordinary Art for our 18-month calendar July 2024–December 2025 Commemorating 40 years since Wells Reserve designation

#### wellsreserve.org/contest