



ADVENTURE SCIENTISTS

EXPLORE. COLLECT. PROTECT.



A GLOBAL NETWORK FOR DATA COLLECTION



One day, data collection will no longer limit the ability to tackle the world's environmental challenges.

THE PROBLEM

Data collection requires funding, time and skills that are frequently unavailable. From deforestation to antibiotic resistance, many of the environmental issues we face could be addressed if these data gaps were filled.

THE SOLUTION

We have built a global network of volunteers from the outdoor community and a platform that empowers them to collect otherwise unattainable data on any scale, from anywhere.



A volunteer diver collects a sample from Palau contributing to the largest dataset on Earth for Microplastics

OUR REACH

Our network of volunteers extends around the globe.



- We've collected plant samples from **21,260** ft. above sea level.
- We've collected water samples from **567 feet** below the ocean surface.
- We've surveyed over **2,823 locations** for our microplastics project.
- In 2016 alone, our volunteers spent **27,820 days** on expeditions in all **7 continents** and all **5 oceans**.

OUR IMPACT

We have helped garner additional protections for wildlife, accelerated habitat restoration and influenced greater sustainability in product manufacturing.



● BULLSEYE

Our goal is to supply end-users (typically governments or corporations) with data that enables conservation outcomes to happen through informed decision making. All of our energy goes to hitting this bullseye.

● MIDDLE RING

Our volunteers make behavioral changes after participating in our projects. They become informed advocates for the issues they have worked on and are more likely to pursue careers in conservation after their service.

● OUTER RING

We have reached >120,000,000 people through popular and social media highlighting conservation issues to the masses.



Adventure Scientists' volunteers collect data in all environments, year-round.

DATA QUALITY

We prioritize the quality of the data we collect and use rigorous protocols collaboratively built with our project partners. We implement a Quality Assurance Project Plan (QAPP) in support of best practices in field research for all projects.

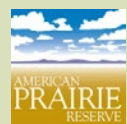
PROJECT INVESTMENTS

We vet each project for three key factors:

1. There must be a conservation issue in which a lack of access to data has previously limited the ability to unlock a solution.
2. There must be a tangible change that will happen as a result of our work.
3. There must be a clear need for the outdoor adventurer skill set.

A FEW OF OUR PARTNERS:

(click logos for project details)



ANTIBIOTIC RESISTANCE THROUGH SCAT



IMPACT: We furthered our partner's efforts to isolate the genes responsible for antibiotic resistance in hopes of one day being able to turn them off in a clinical setting.

SCOPE: In 2016, adventurers collected scat from over 100 sites from Alaska to Afghanistan, which will be analyzed by Dr. Michael Gilmore and his team at Harvard Medical School, in order to find a common ancestor of the Enterococcus bacteria.

PROJECT PARTNER:
Harvard Medical School



ILLEGAL TIMBER HARVEST



IMPACT: By creating genetic libraries of commercially viable tree species, in the near future you will be able to "zap" a table and know instantly what species it is, where it came from and whether it was legally or illegally harvested.

SCOPE: We will begin in 2017 with Big Leaf Maple (*Acer macrophyllum*), which ranges from California to Alaska.

PROJECT PARTNER:
World Resources Institute



OIL AND GAS: PRIORITIZING REMEDIATION SITES



IMPACT: We will complete inventories of orphaned and idle oil and gas wells across USFS lands in order to prioritize their remediation and restoration.

SCOPE: Inactive wells can leak pollutants, including oil, natural gas, heavy metals and naturally radioactive substances. These pollutants may contaminate groundwater, surface water, or in the case of methane, be released into the atmosphere. These risks increase with nearby fracking operations, which can disturb abandoned wells.

PROJECT PARTNER:
US Forest Service



Our Development Process

1 You fill out a project inquiry form

2 We explore your idea together - ask lots of questions about scale, scope, additional partners and theory of change. We will emerge from this step with a preliminary project design and budget.

5 Sign final contract/initial deposit due

4 We will deliver a final project proposal

3 Project review with Science Advisory Board to maximize impact

6 Project Management phases begin

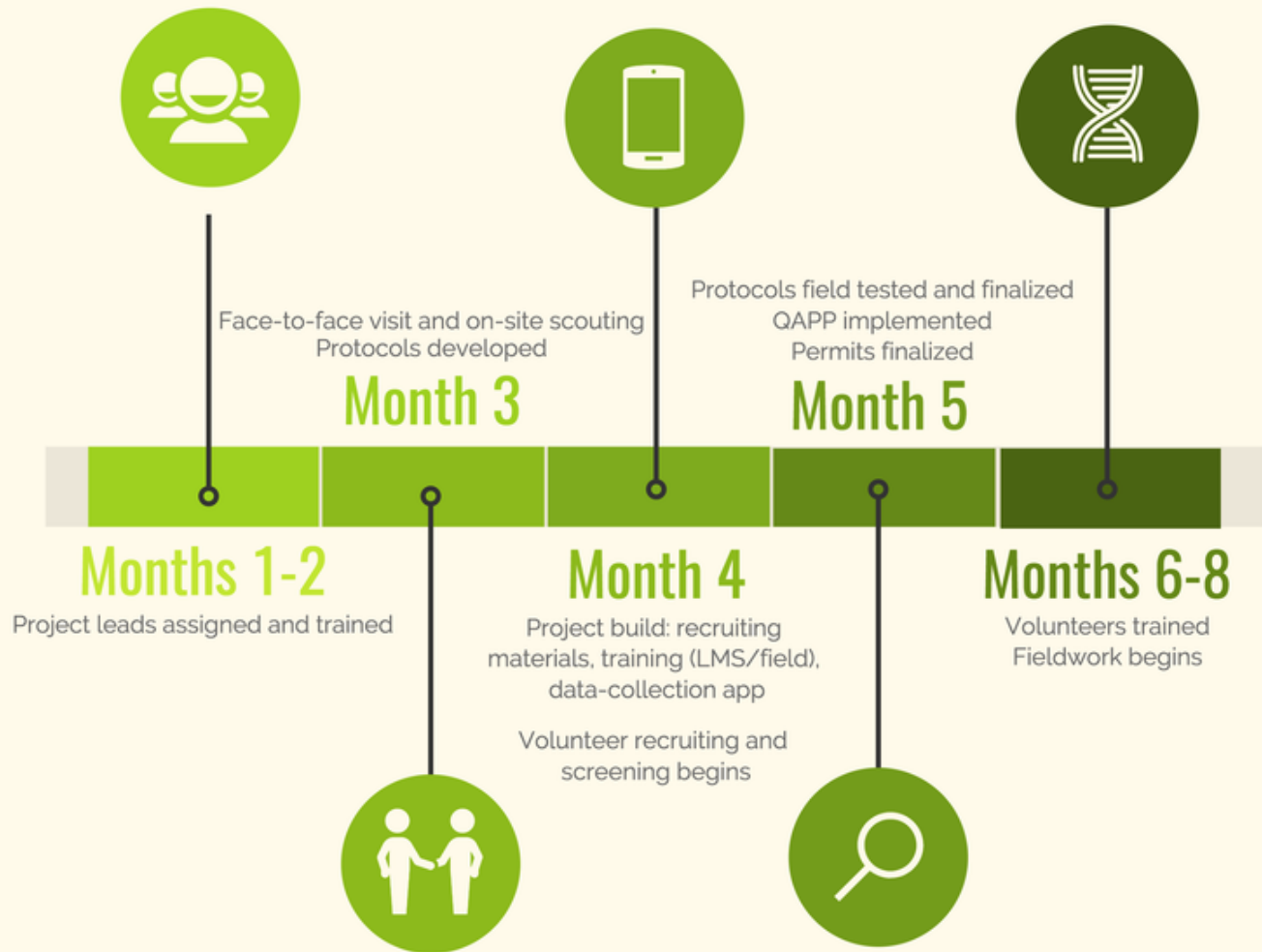
7 Project Launch!



The world is a better place!



Project Management Timeline



“Adventure Scientists was crucial in conducting the Olympic National Forest’s winter surveys. This work would not have been such a success without their efforts.”



BETSY HOWELL | BIOLOGIST
U.S. FOREST SERVICE



STEVIE ANNA PLUMMER
VOLUNTEER

“I volunteer with Adventure Scientists because it allows me to actively participate in preserving the places I enjoy and love most in the outdoors.”



CHRISTY CHIN | MANAGING PARTNER
**DRAPER RICHARDS
KAPLAN FOUNDATION**

“Adventure Scientists is exactly the type of bold, systemic change our foundation seeks to invest in.”



Volunteers collect water quality data at high-mountain lakes in the Sierra Nevada Mountain Range.

MEET THE TEAM



GREGG TREINISH | FOUNDER/EXECUTIVE DIRECTOR

National Geographic named Gregg Adventurer of the Year in 2008 when he and a friend completed a 7,800-mile trek along the spine of the Andes Mountain Range. He was included on the Christian Science Monitor's 30 under 30 list in 2012, and the following year became a National Geographic Emerging Explorer for his work with Adventure Scientists. In 2013, he was named a Backpacker Magazine "hero." In 2015, he was named a Draper Richards Kaplan Entrepreneur and one of Men's Journal's "50 Most Adventurous Men." In 2017, Gregg was named an Ashoka Fellow.

Gregg holds a biology degree from Montana State University and a sociology degree from CU-Boulder. He thru-hiked the Appalachian Trail in 2004.



NINA PAIGE HADLEY | PROJECT CREATION DIRECTOR

Nina Paige Hadley holds a Bachelor's degree in Marine Science from the University of South Carolina Honors College and a Master's degree in Marine and Environmental Affairs from the University of Washington.

Inspired by a life-changing research trip to Midway Atoll National Wildlife Refuge in the Northwestern Hawaiian Islands – she founded Tidal Delta LLC, a Seattle-based strategic consulting firm and then went on to launch a 13-year career at The Nature Conservancy working in over 15 countries across Africa, Asia and the Pacific, and Central and South America advancing marine and terrestrial strategies, including co-founding the organization's Conservation Partnership Center.



GREGG TREINISH
FOUNDER/EXECUTIVE DIRECTOR



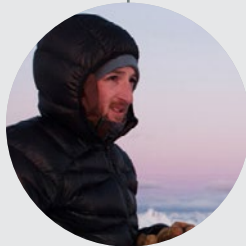
NINA PAIGE HADLEY
PROJECT CREATION
DIRECTOR



**MICHELLE
TOSHACK**
POLLINATOR
PROJECT
MANAGER



**KATIE
HOLSINGER**
PROJECTS
TEAM LEAD



**NICHOLAS 'RUSTY'
RUSTIGIAN**
TECHNOLOGY
SYSTEMS MANAGER



MERRILL WARREN
OPERATIONS &
DEVELOPMENT
MANAGER



JESSIE KAY
ADVENTURER
COORDINATOR



**HANNAH
RASKER**
OPERATIONS
COORDINATOR



AISLING FORCE
PROJECT DEVELOPMENT
COORDINATOR



Projects that involve a collection of a sample or the placement of sensors are the best fit for our model.

JOIN US!

GREGG TREINISH | Executive Director

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