10,000 YEARS INSTITUTE

2022 Year-End Summary

RESEARCH

3 Ecological Impact Studies
- **Scotch Broom**
- **Reed Canarygrass**
- **Hoh River Knotweed**

1 Endemic Species Study
- **Olympic Mudminnow**

RESTORE

3,248 Acres Surveyed & Treated

14 Species Treated

386 Road Miles Surveyed

101 River Miles Surveyed

EDUCATE

6 Presentations

4 Field tours

4 Symposia & Conferences

2 Workshops

1 Protocol

Research to Fill Knowledge Gaps

Our current work in applied research focuses on species use of aquatic habitats, the expansion of invasive plants and their impacts to resilient habitats, and watershed dynamics in response to climate disruptions. We are continuing studies on the impacts of Scotch broom and reed canarygrass to ecosystem services and native plants in Pacific Northwest forests and aquatic ecosystems, and contributing to research on the distribution and status of the endemic Olympic Mudminnow. In the Hoh River Knotweed Study, 10KYI's research team received funding to analyze two decades of observations to make recommendations for control strategies for knotweed in the Pacific NW.

Local Jobs for Local Work

10KYI's Pulling Together: Jobs in Restoration Program provides training and jobs to communities while preventing the spread of invasive species in coastal watersheds. The program establishes a model for a skilled, locally-based workforce providing ecological services. In 2022, we partnered with agencies, tribes, and project sponsors to support healthy habitats by integrating invasive plant prevention into all other resource management activities.

21 Full-Time Positions Filled in 2022
- Restoration Field Technicians
- Restoration Crew Leads
- Research Assistants
- Project Coordinator
- GIS Specialist

10KYI trains staff in survey methods, plot and transect establishment, field data collection, invasive plant identification and treatment, native plant identification and revegetation practices. We employ restoration and research staff 12 months out of the year!

Visit our website for position descriptions.

Outreach and Education

We presented at regional workshops and field tours, conducted training for WCC and Conservation District crews on reed canarygrass, spotted jewelweed, and Scotch broom ID and control. Protocols for invasive species prevention and control share practices adapted over three decades—in 2022, the reed canarygrass treatment protocol was shared with restoration practitioners around the region. We contributed to the development of an accredited natural resources program offered locally through Peninsula College, to provide skills for local jobs in monitoring, research, restoration, and natural resources management—learning in the field with regional project managers. The NR program will also engage high school students with curricula from Pacific Education Institute. Locals for local JOBS!

***10KYI** is a 501(c)(3) nonprofit that evaluates the effects of human activities on natural environments – the forests, rivers, wetlands and estuaries that sustain our communities and ecosystems. Through development of innovative, science-based approaches to restore ecological integrity, we promote sustainable practices in landscapes across the region.*

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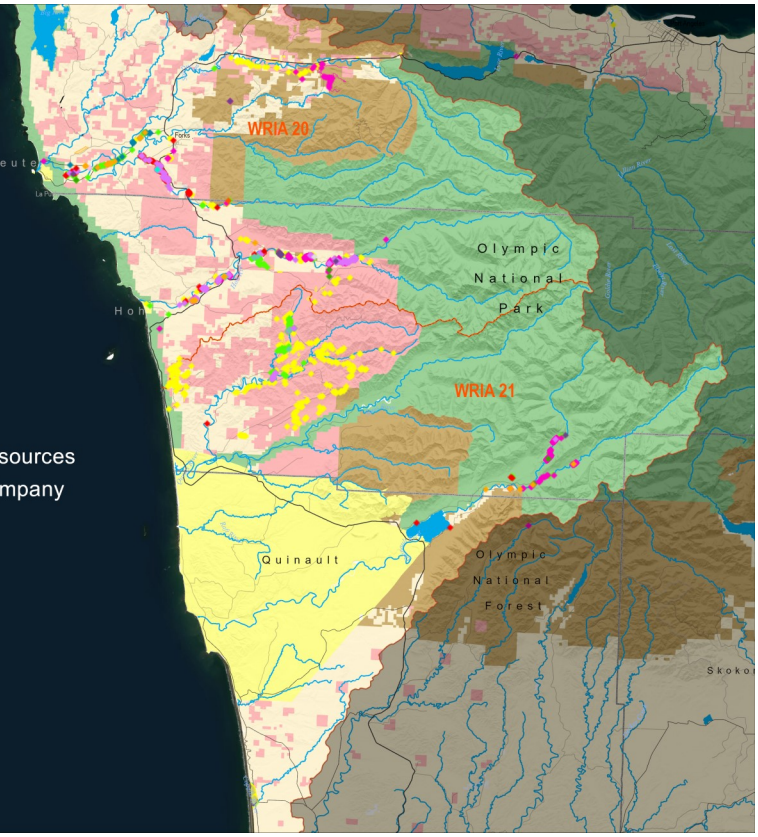
2022 Survey and Control Sites

Scotch Broom	959 Sites / 998.4 Acres
Reed Canarygrass	277 Sites / 76.0 Acres
Knotweed Species	155 Sites / 4.3 Acres
Spotted Jewelweed	13 Sites / 81.1 Acres
Herb Robert	344 Sites / 190.3 Acres
Canada Thistle	146 Sites / 3.7 Acres
Broad Dock	7 Sites / 0.25 Acres
Evergreen Blackberry	8 Sites / 0.27 Acres
English Holly	6 Sites / 327 Sq ft.
English Ivy	1 Site / 100 Sq ft.
Everlasting Peavine	1 Site / 250 Sq ft.
Giant Reed	1 Site / 25 Sq ft.
Himalayan Blackberry	25 Sites / 6.0 Acres
St. John's wort	14 Sites / 412 Sq ft.
Tansy Ragwort	29 Sites / 255.0 Acres
Wild Chervil	1 Site / 100 Sq ft.
Yellow Flag Iris	11 Sites / 0.1 Acres
Hawkweed Species	1 Site / 150 Sq ft.

Reference Layers
- Primary Highway
- Secondary Highway
- Light-Duty Road
- WRIA Boundary
- County Boundary

Administrative Agency
- National Park Service
- U.S. Forest Service
- Tribal Trust Lands
- WA Dept. of Natural Resources
- Private Individual or Company



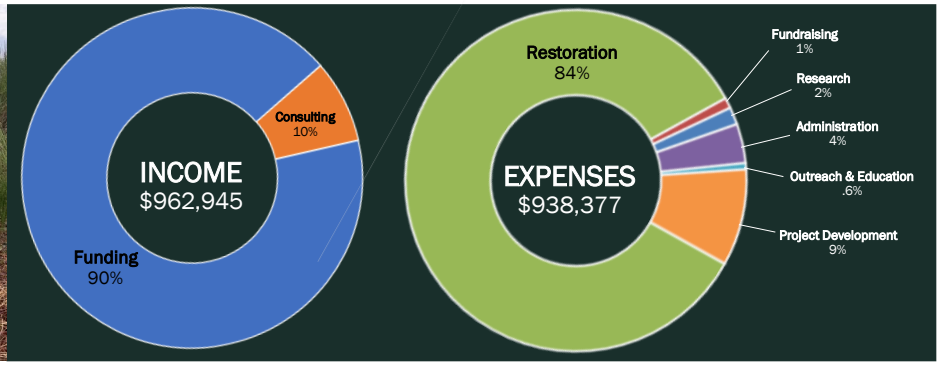
USGS The National Map: 3D Elevation Program. USGS Earth Resources Observation & Science (EROS) Center: GMTED2010. Data refreshed March, 2021., Earthstar Geographics

Washington Conservation Corps

10KYI partnered with the Washington Conservation Corps (WCC) to treat invasive species on state and federal forestland and roads in the Sol Duc watershed. The crew worked 1500 hours treating Scotch broom and herb Robert to support forest health, reduce wildfire risk, and allow native plants to thrive. We appreciate their hard work!

North and South Coast Crews

10KYI's South Coast Crew (Queets to Ocean Shores) surveyed and treated over 144 acres of dense Scotch broom along the Washington coast at Griffiths-Priday State Park.
Below left, the North Coast Crew from the Forks area cleared over 350 acres of Scotch broom in three watersheds.



This work would not be possible without the generous support from our funders, partners, collaborators, and private landowners: