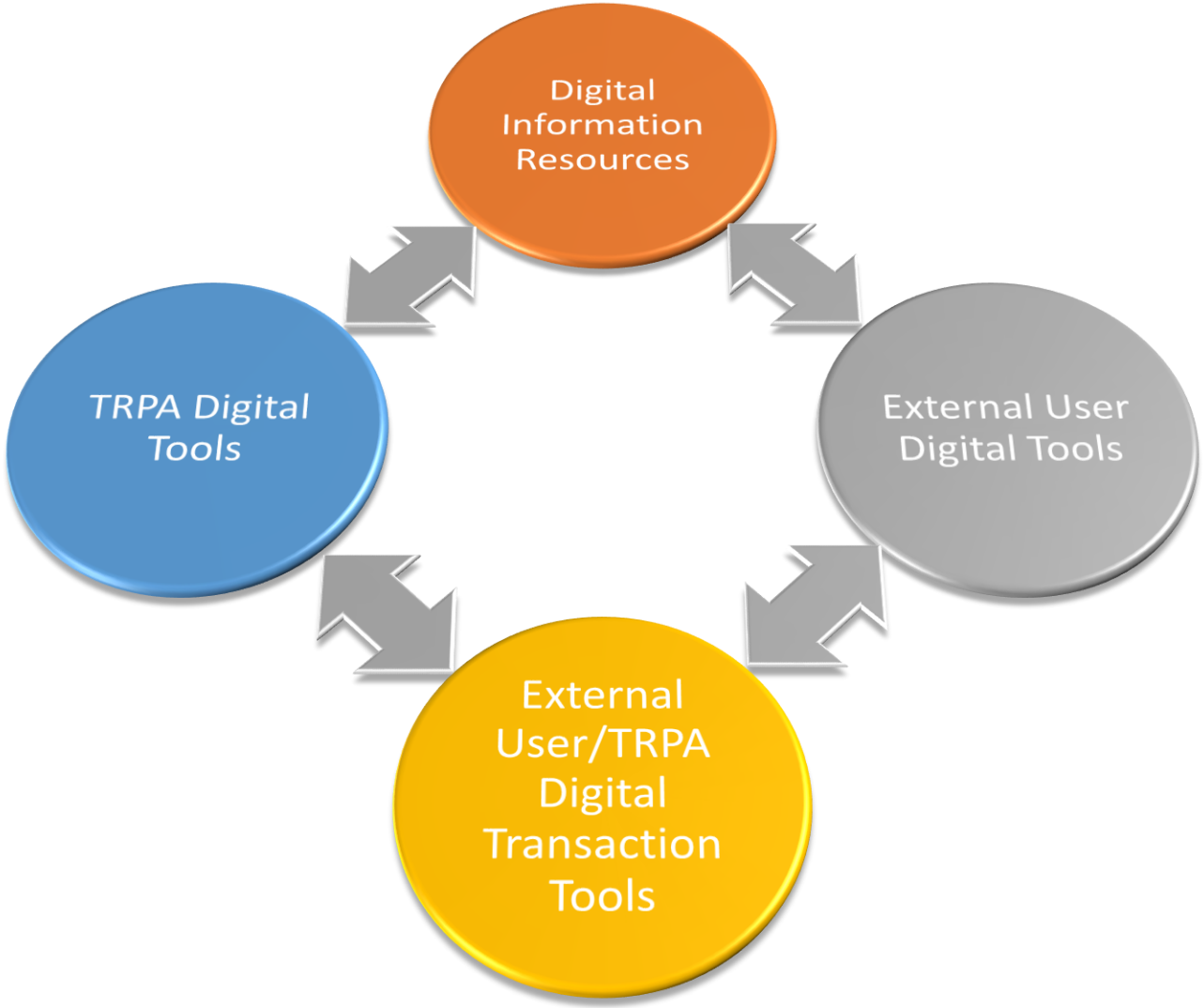
TRPA Digital First Initiative

A presentation to the Advisory Planning Commission, December 9, 2020

Digital Information Resources



50 YEARS TAHOE REGIONAL PLANNING AGENCY

Digitize

Digitalize

Transform

50 YEARS

TAHOE REGIONAL PLANNING AGENCY

Digitize

50 YEARS

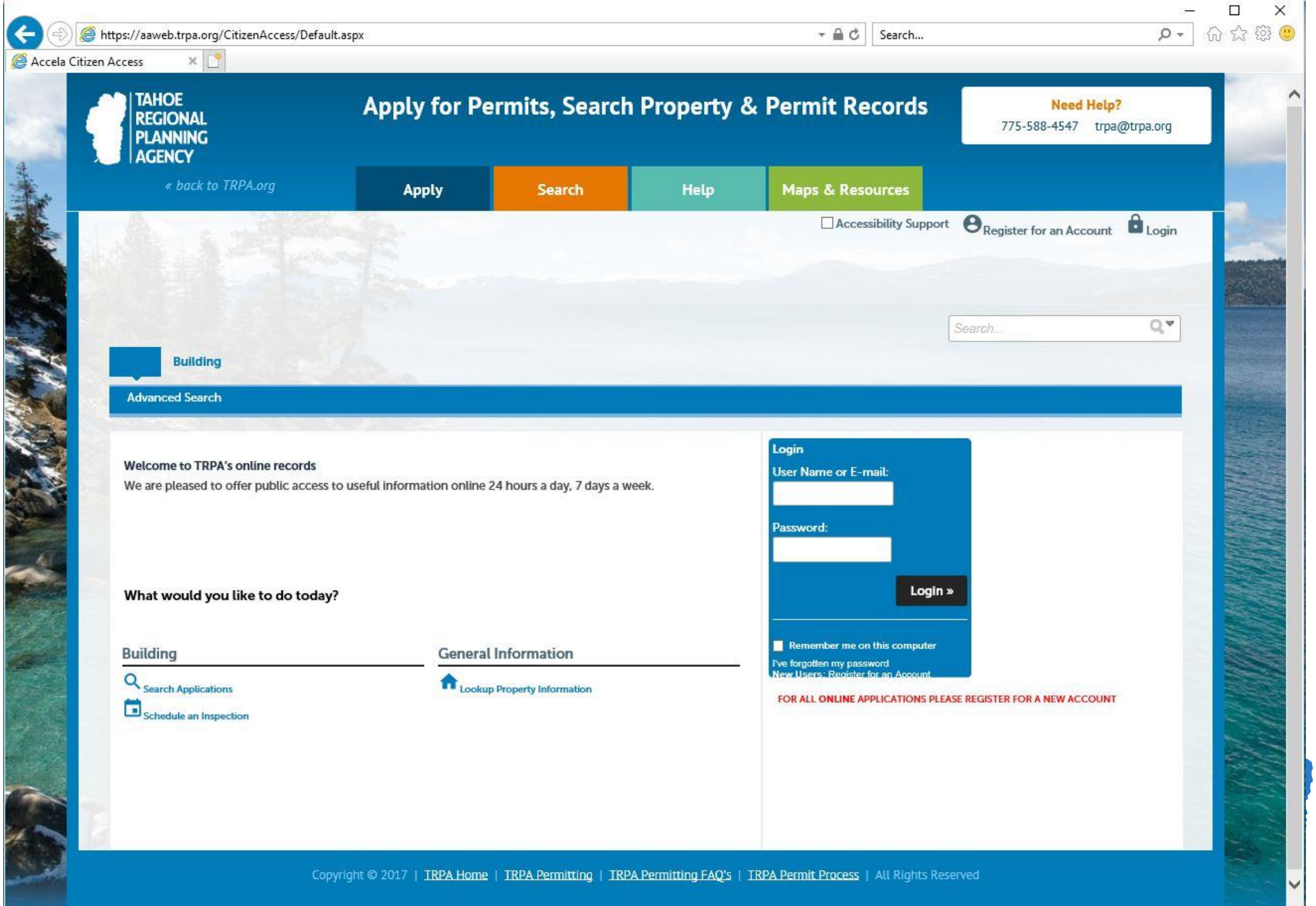
TAHOE REGIONAL PLANNING AGENCY

Digitalize

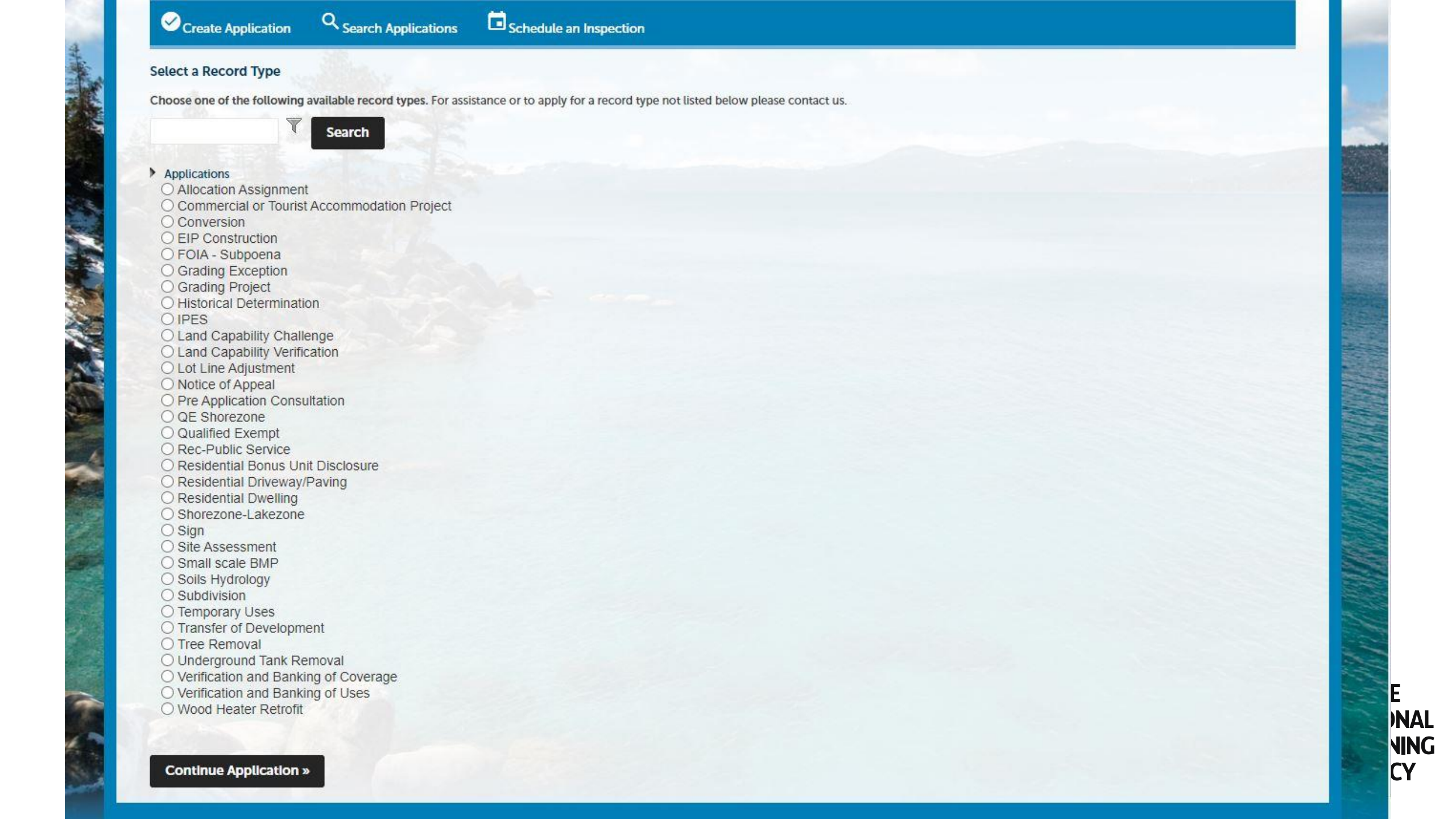
Image: https://www.coronishealth.com/blog/5-easy-steps-to-going-paperless/

- Online Application Submittals
- Electronic Reviews and Markup
- Electronic Permitting
- Electronic Signatures
- Virtual Meetings

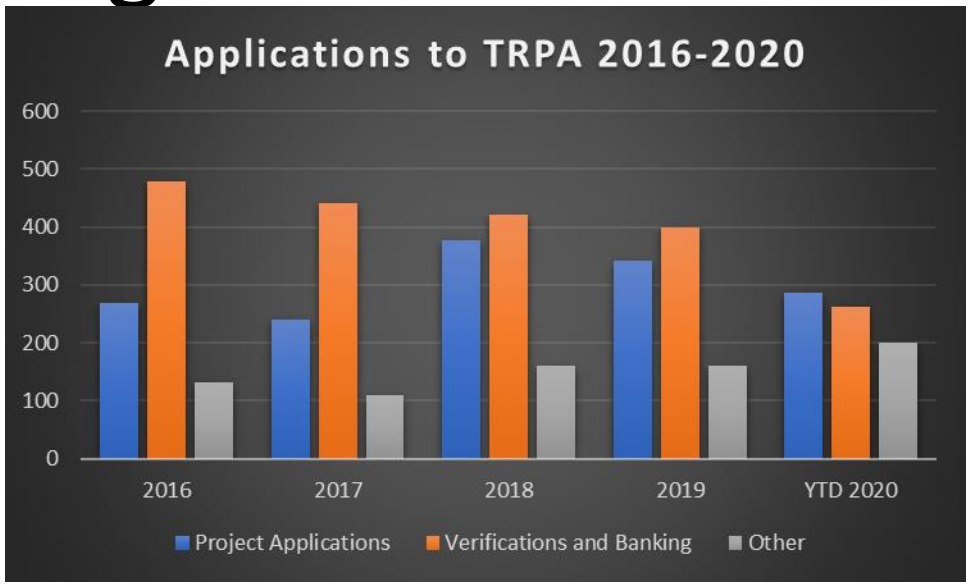
50 YEARS TAHOE REGIONAL PLANNING AGENCY

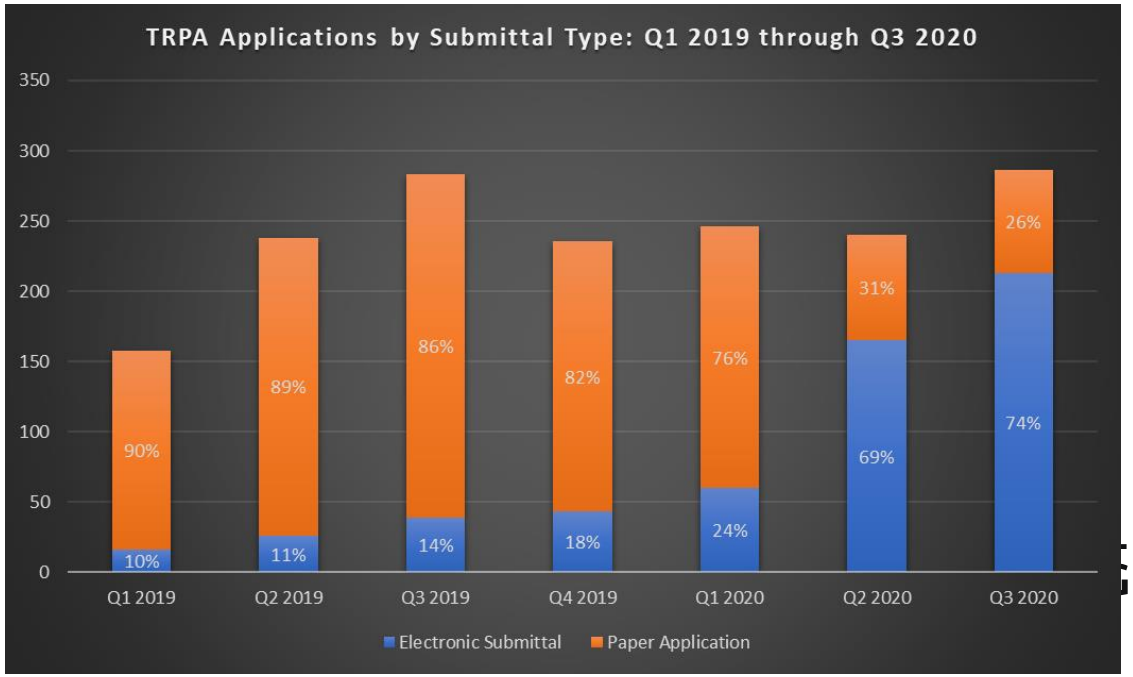


TAHOE REGIONAL PLANNING AGENCY


Create Application
Search Applications
Schedule an Inspection
Select a Record Type
Choose one of the following available record types. For assistance or to apply for a record type not listed below please contact us.
Search
Applications
Allocation Assignment
Commercial or Tourist Accommodation Project
Conversion
EIP Construction
FOIA - Subpoena
Grading Exception
Grading Project
Historical Determination
IPES
Land Capability Challenge
Land Capability Verification
Lot Line Adjustment
Notice of Appeal
Pre Application Consultation
QE Shorezone
Qualified Exempt
Rec-Public Service
Residential Bonus Unit Disclosure
Residential Driveway/Paving
Residential Dwelling
Shorezone-Lakezone
Sign
Site Assessment
Small scale BMP
Soils Hydrology
Subdivision
Temporary Uses
Transfer of Development
Tree Removal
Underground Tank Removal
Verification and Banking of Coverage
Verification and Banking of Uses
Wood Heater Retrofit
Continue Application »

TRPA's Current Planning Division





- ✓ Document processes
- ✓ Electronic stamps and e-signatures
- ✓ Electronic payments
- ✓ Track incoming applications and assignments
- ✓ Train users and customers
- ✓ Step-by-step guides
- ✓ Consider long-term file management

- Takes time to train staff and users
- Not everyone will use e-payment
- Security deposits and returns
- Dedicated staff and IT support
- Be prepared
- Don’t replicate paper applications
- Plan, communicate, and adapt
- Focus on customer service

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TRPA Research and Analysis Team

- Electronic Submittals
- E-Reviews and E-Permitting
- Lake Tahoe Info
- Document Scanning and File Requests
- Maps and GIS Tools
- Field Monitoring

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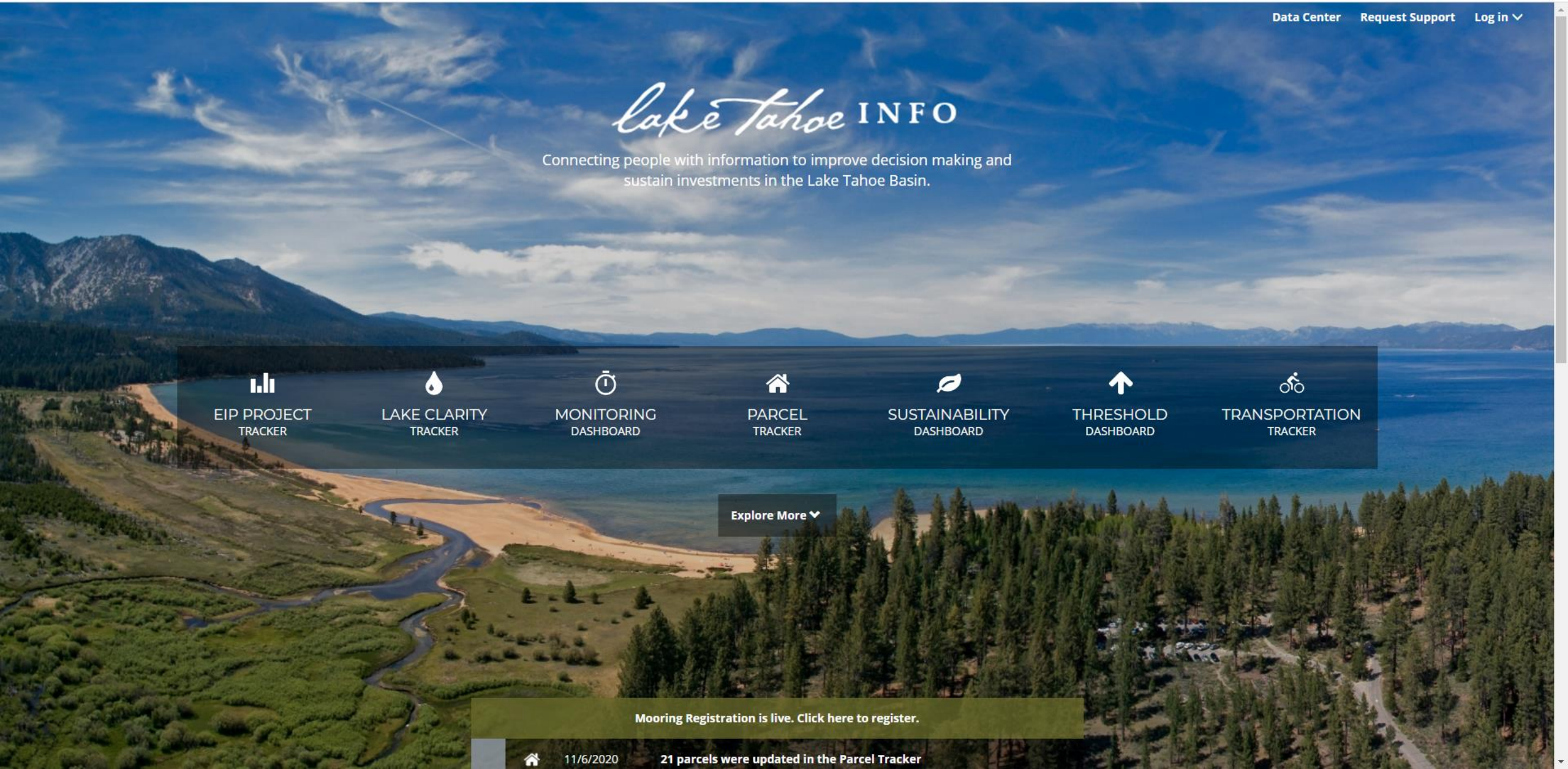
Lake Tahoe Info



ProjectFirma

ProjectFirma is a lightweight, open-source program performance and project tracking platform.

This platform began as a custom web application built for Tahoe Regional Planning Agency's Environmental Improvement Program (EIP) in 2014. About a year later, TRPA graciously made it available as open-source and Sitka Technology Group re-architected it as a multi-tenant system, making it much quicker and easier for other people to leverage.

Each tenant controls their own instance and their own data, but share infrastructure: a common, but configurable database schema and codebase. When one tenant invests in new functionality, Sitka strives to implement it in a way that other tenants can enjoy for free or minimal additional cost.

Case studies, FAQs, and other information about ProjectFirma are available from Sitka's product page.

To see ProjectFirma in action, one of more of these instances:

Lake Tahoe's
EIP Project Tracker
eip.laketahoeinfo.org

Clackamas Partnership's
Project Tracker
clackamaspartnership.org

California's
RCD Project Tracker
rcdprojects.org

Colorado Peaks to People's
Watershed Health Outcomes Tracker
outcomes.peakstopeople.org

Conservation the Idaho
Way Project Tracker
conservation.idaho.gov

Puget Sound Partnership's
Action Agenda Tracker
actionagenda.pugetsoundinfo.wa.gov

Washington Dept. of Natural Resource's
Forest Health Tracker
foresthealthtracker.dnr.wa.gov

John Day Partnership
Project Tracker
johndaybasinpartnership.org

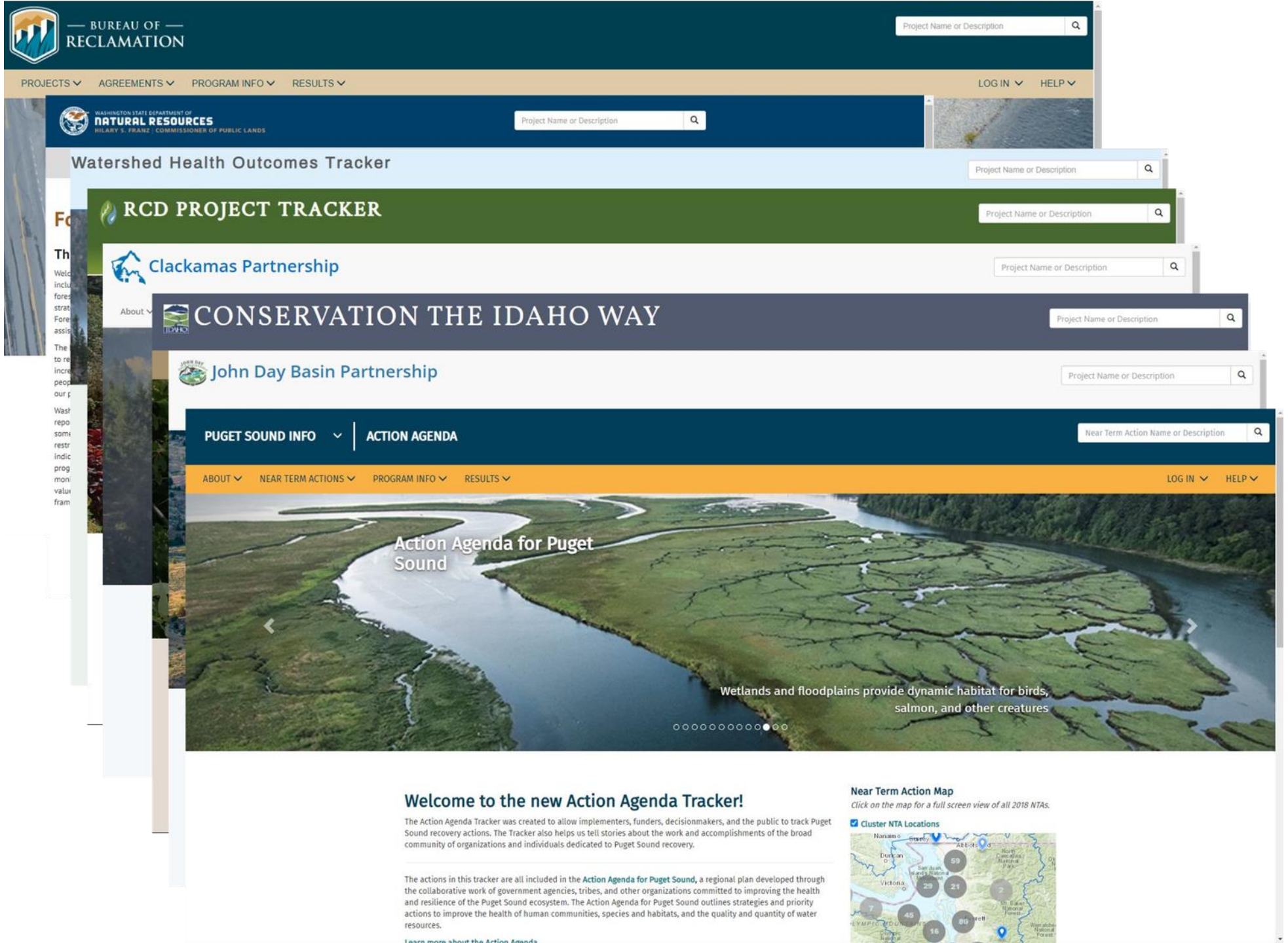
United States Bureau of Reclamation
ESA Database
bor.projectfirma.com

Project Map

Cluster Project Locations

Project Stage

Proposal
Planning/Design
Implementation
Post-Implementation
Completed



50 YEARS
TAHOE REGIONAL PLANNING AGENCY

Threshold Dashboard

Thresholds are environmental goals and standards for the Lake Tahoe Basin that indirectly define the capacity of the Region to accommodate additional land development. Some land use practices can negatively affect attainment of environmental thresholds. Special efforts, such as mitigation measures, can reduce those impacts so that our enjoyment of the Basin can continue without harming the attributes that draw us here. Learn more about the threshold categories.

Click one of the Lake Tahoe Threshold Categories below to learn more. You can also view the Current Evaluation of Threshold Indicators by Category.

- AIR QUALITY
- FISHERIES
- NOISE
- RECREATION
- SCENIC RESOURCES
- SOIL CONSERVATION

WILDLIFE

The Lake Tahoe Basin provides environmental conditions and habitats favorable to a diverse array of species. At least 289 species of terrestial and semi-terrestrial vertegrates are found in the Lake Tahoe Basin as residents or regular visitors, including 217 birds, 59 mammals, five amphibians, and eight reptiles. The emphasis of wildlife management in the Tahoe Region is on maintaining and improving the functional and biological characteristics of the ecosystem to support the needs of wildlife. The wildlife standards are intended to enhance the suitability and extent of riparian habitats and maintain and protect special interest species like bald eagle, osprey, and goshawk. Regional programs such as improving forest health and reducing recreational impacts around known nesting areas aim to improve wildlife habitat.

Reporting Categories

- Special Interest Species

Wildlife

SPECIAL INTEREST SPECIES

Special interest species in the Tahoe Basin are native wildlife species that are aesthetically pleasing to residents and visitors, and/or are especially vulnerable to extirpation. The emphasis for special interest species in the Tahoe Basin is on maintaining and improving the functional and biological characteristics of the ecosystem to support the needs of the species. Current threats to special interest species in the Tahoe Basin include unhealthy forests and recreation impacts around nesting areas. Policies such as protecting unique wildlife habitats from modification and reducing impacts from recreation aim to improve the populations of special interest species.

Indicators

Expand Level | Collapse Level | Search... | ×

View Evaluation Legend

REPORTING CATEGORY > INDICATOR

	2011	2015	2019
— Special Interest Species			
Northern Goshawk Population Sites			
Osprey Population Sites			

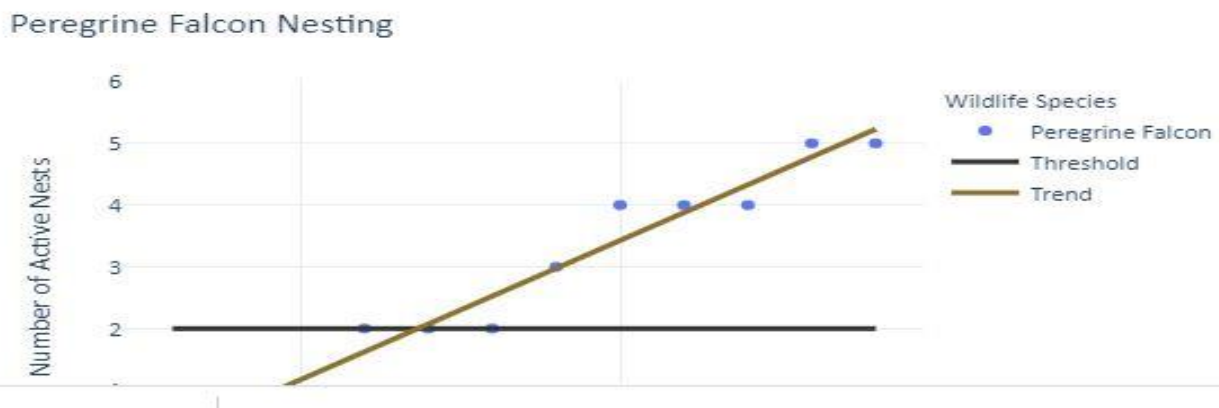
View in Data Center

Wildlife > Special Interest Species

PEREGRINE FALCON POPULATION SITES

This indicator meaures the number of active peregrine falcon nests in the Tahoe Basin. Peregrine falcon (*Falco peregrinus anatum*) populations declined precipitously across the country in the mid-1900s. Peregrine falcons were recorded in the Tahoe Basin in the early 1900s, but were not observed naturally occurring in the Basin between 1960 and 2007. Their recovery is a result of banning DDT and similar chemical contaminants, and active reintroductions. In the Tahoe Basin, recreation such as climbing and hiking near nests is one of the threats to the species. Programs aimed at reducing these recreation impacts aim to protect peregrine falcons. Peregrine falcons are monitored across the Basin by TRPA and other partners.

Status



2019 Evaluation

Status
Considerably Better Than Target

Trend
Moderate Improvement

Confidence

Key Messages

- Peregrine falcons have made a remarkable recovery in the Tahoe Basin since being extinct up to 2009.
- Since 2009, the number of active nests has continued to grow, and as of 2019, there were five active nests in the Tahoe Basin.
- Years of monitoring at the Castle Rock nesting site revealed impacts from hikers resulting in nest failures. Multiple partners worked together to discourage hiking and climbing near the nest site during the nesting period. Due to this effort, nesting success occured in 2019.

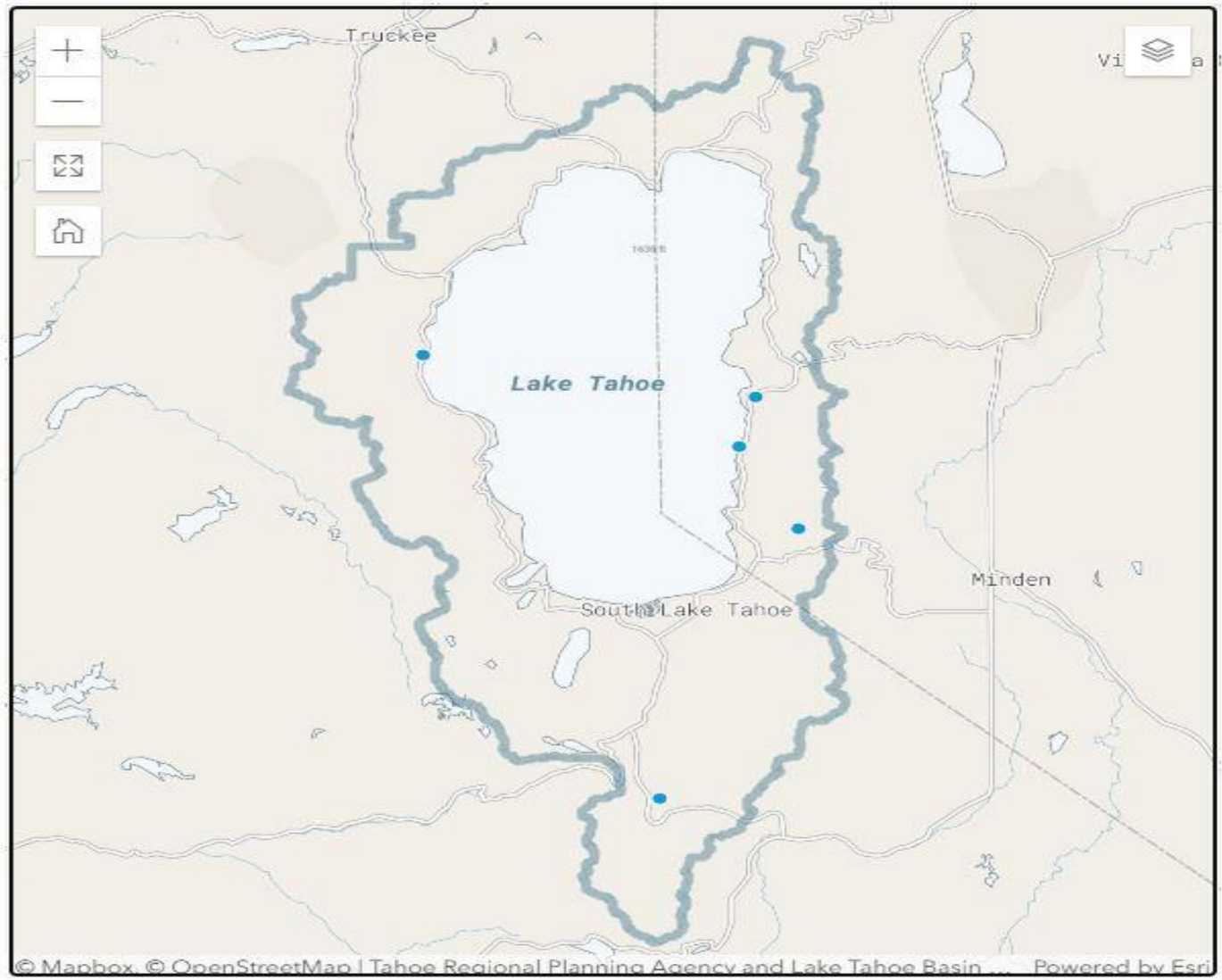
Measuring Success

Monitoring Programs

- Peregine Falcon Population Sites Monitoring

Example EIP Projects

Evaluation Map



Active peregrine falcon nest sites within the Tahoe Basin from 2015 to 2019.

PROGRAM OVERVIEW

Program Name

Peregine Falcon Population Sites Monitoring

Monitoring Approach

Biologists observe historic or potential nest sites for a minimum of four hours per month, April through August following standard U.S. Forest Service protocol. All potential nesting habitat is surveyed and incidental sighting are used to help focus monitoring efforts.

IMAGES

Adult Peregrine Falcon.

PARTNERS

CALIFORNIA TAHOE CONSERVANCY

TAHOE INSTITUTE FOR NATURAL SCIENCE

NEVADA DEPARTMENT OF WILDLIFE

TAHOE REGIONAL PLANNING AGENCY

FOREST SERVICE U.S. DEPARTMENT OF AGRICULTURE

PARTNERS

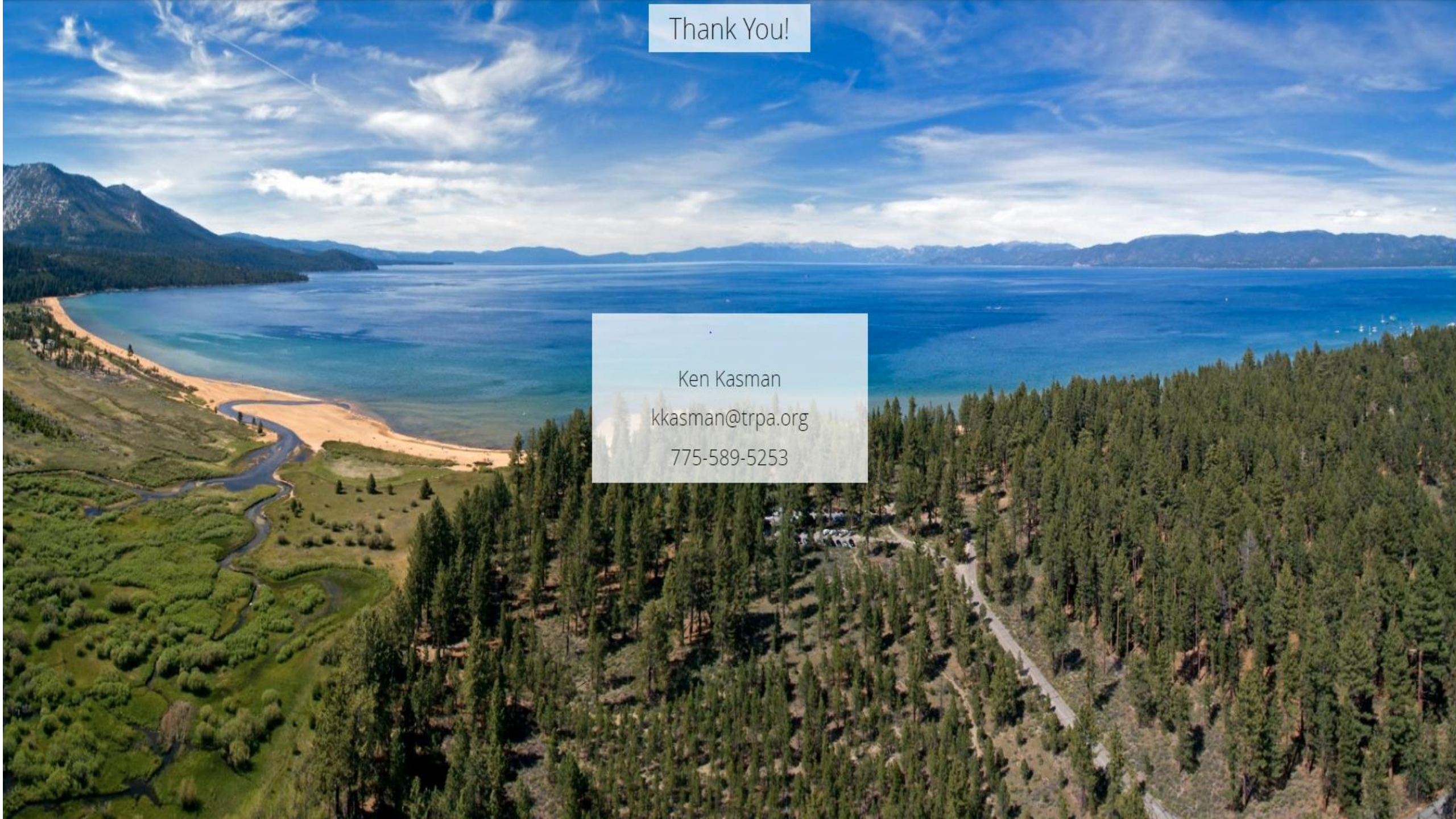
DOCUMENTS

Peregrine Falcon survey protocol

Uploaded On 4/13/2020
File Type PDF
Description Peregrine Falcon survey protocol

ASSOCIATED INDICATORS

- Peregrine Falcon Population Sites


Thank You!
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