

Abstract

Land Trust Mobile is a mobile app that allows users to register for permits, report conditions, access company content, and view maps of the preserved regions.

Land Trust Web is a complimentary website for the land trust office to view and process permit requests and reports.

Approach

The **mobile app** is for those visiting the nature regions. The **web app** is for the data those visitors generate.

For the mobile application:

- **Home** directs to the existing Land Trust services (become a member, donate, social media and other content).
- **Permit** emails the user a San Vicente permit; adds an entry to the database.
- **Report** sends the entered data to the database (see bottom right corner).
- **Maps** uses GoogleMaps to show the location of listed regions.

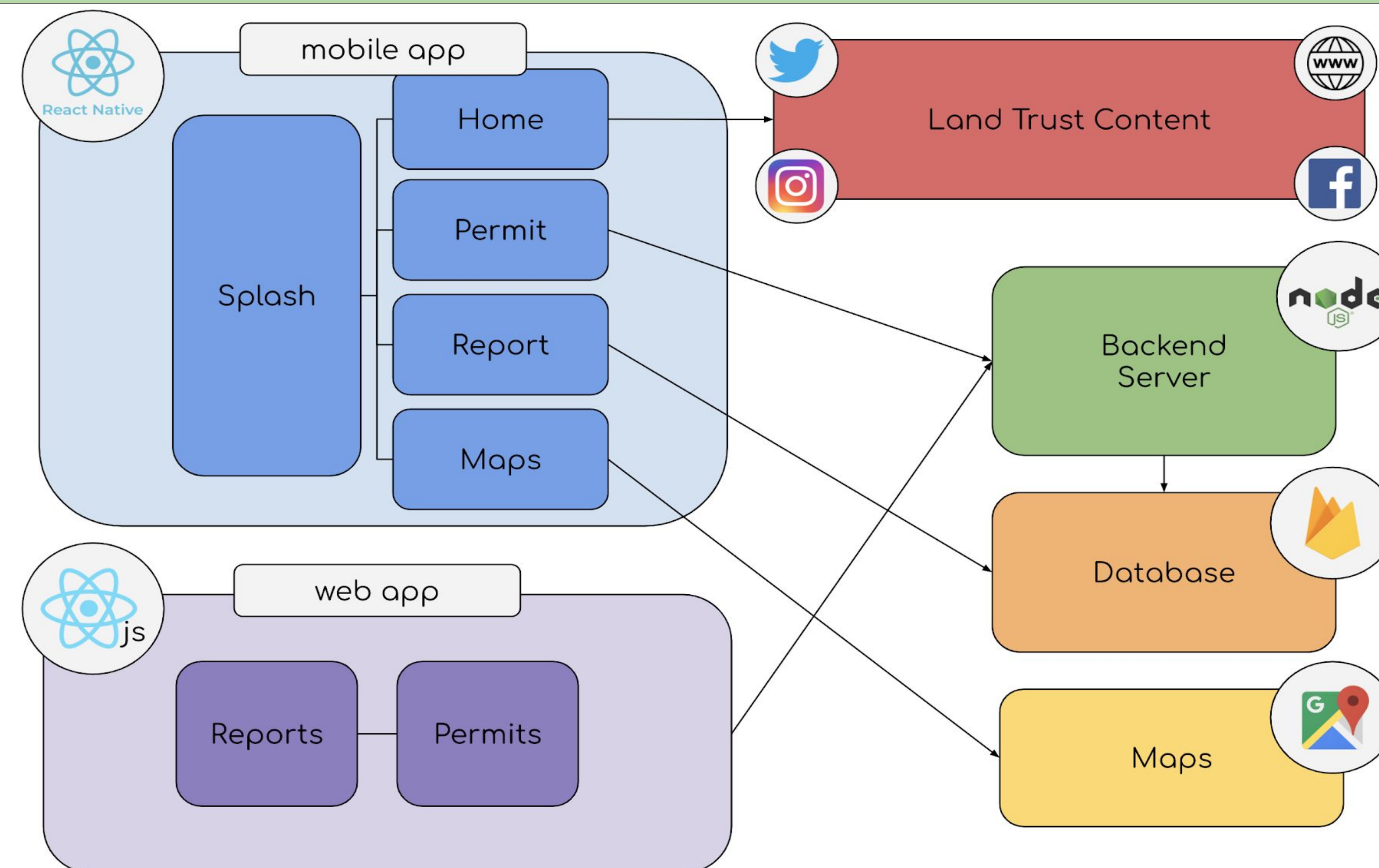
For the web application:

- **Reports** and **Permits** each pull from the database to display their data.

Overview

Land Trust of Santa Cruz County is committed to protecting, maintaining, and sharing natural areas. This land trust's non-profit work consists of constructing coastal bike routes, creating forest trails, and keeping natural places safe from industrialization. In order to extend the capabilities of Land Trust of Santa Cruz and enhance the experience for visitors of these regions, we developed a mobile and web application.

Architecture



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Conclusion

We've extended the capabilities of Land Trust of Santa Cruz County by developing a cross-platform mobile app, and a web app. The mobile app will be in stores soon! Future improvements could include permit support for other regions and push notifications.

Santa Cruz Regions

Hiking trails:

- Byrne-Milliron Forest
- Glenwood Open Space Preserve
- Star Creek

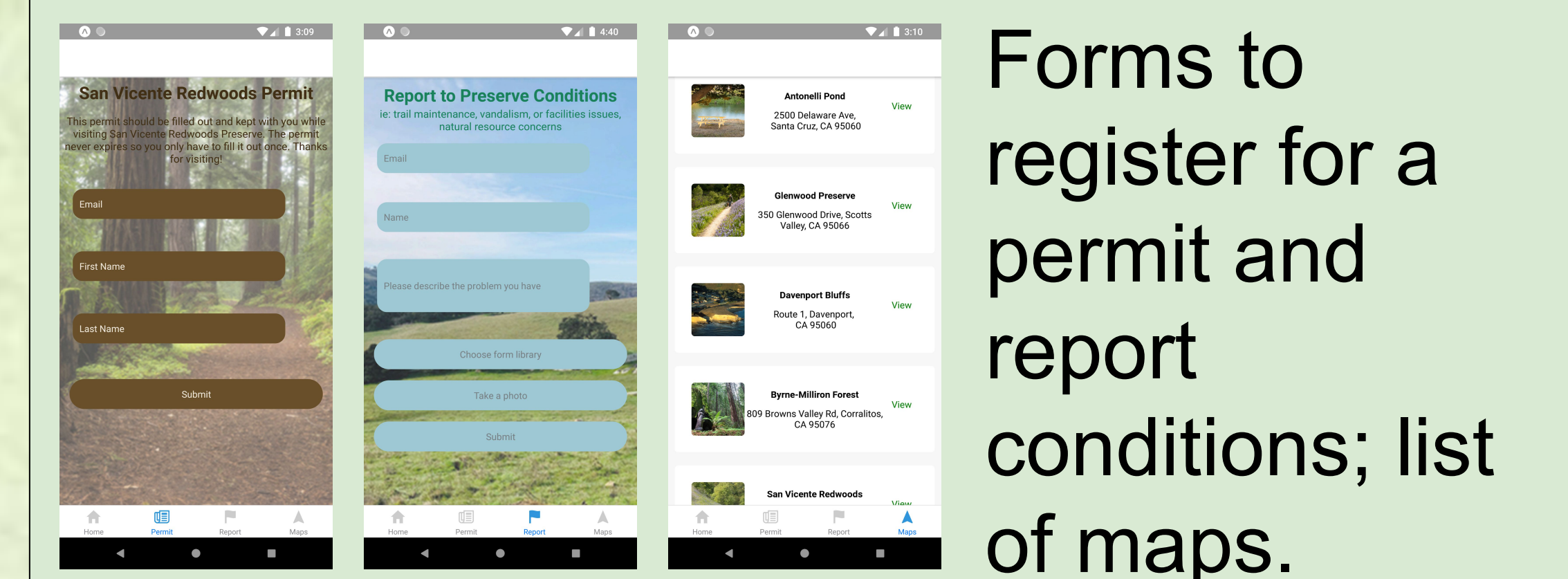
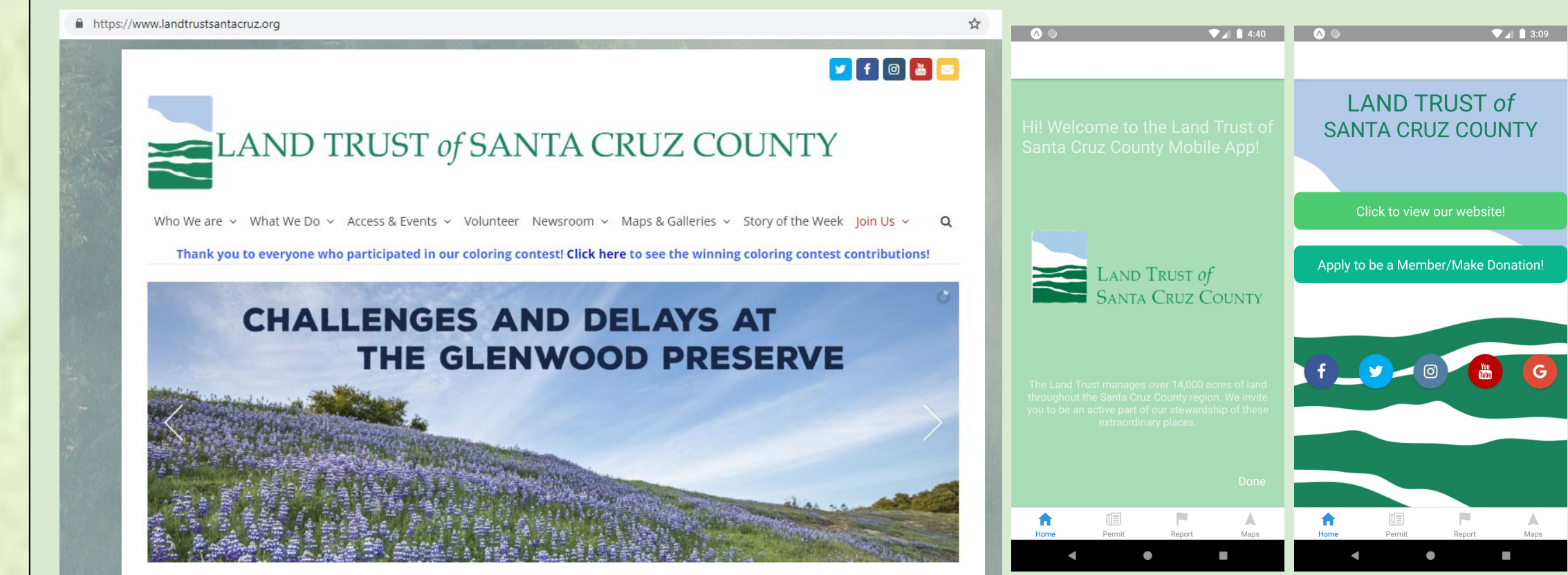


Places for birding:

- Antonelli Pond
- Watsonville Slough Farm

Results

The **mobile app** style mirrors the land trust website.



Forms to register for a permit and report conditions; list of maps.

The **web app** visualizes the mobile app data for the company to review.

