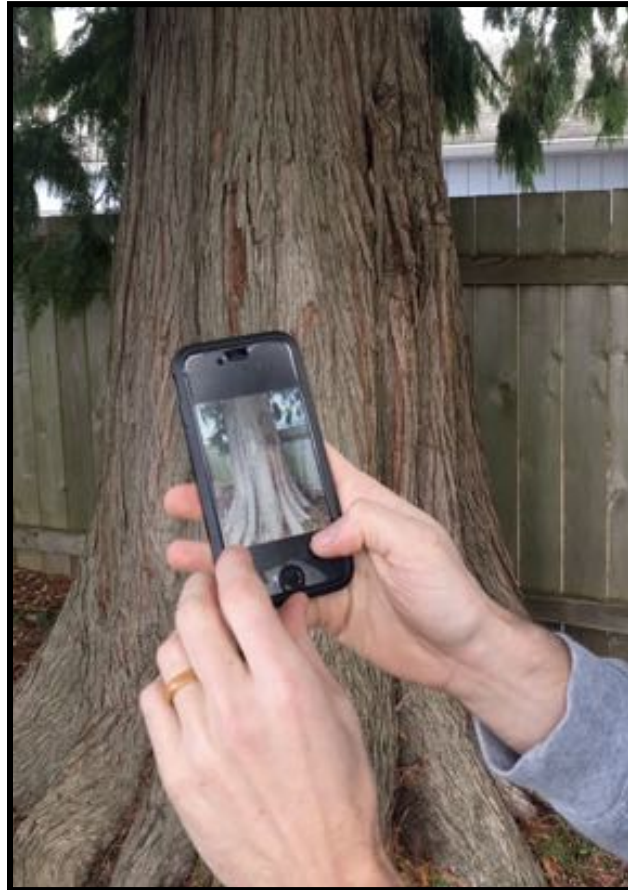


WESTERN REDCEDAR DIEBACK PROJECT iNATURALIST - FIELD MANUAL



FOREST HEALTH WATCH COMMUNITY SCIENCE

June 2022 version

More information available at <https://foresthealth.org/map>

JM Hulbert, Washington State University

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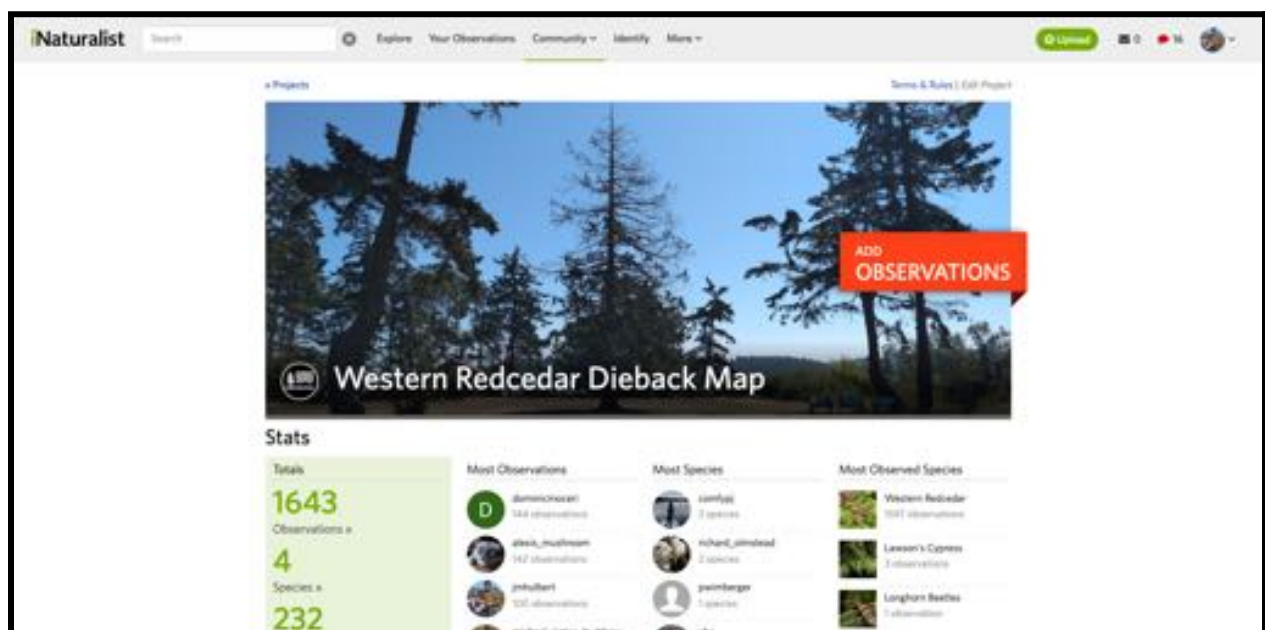
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INTRODUCTION

The purpose of this document is to provide guidance for adding observations to the Western Redcedar Dieback Map project on iNaturalist.org. Below you will find instructions and photos demonstrating the process for contributing to the project and research.

SUMMARY OF STEPS TO PARTICIPATE

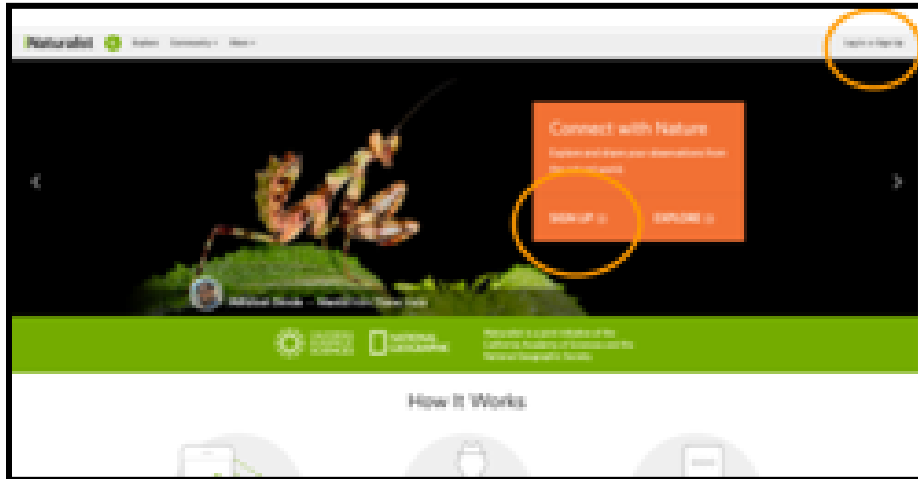
1. Create an account on [iNaturalist.org](https://www.inaturalist.org)
2. Join the [Western Redcedar Dieback Map](#) project
3. Add an observation of redcedar via mobile app or internet browser
4. Tag Western Redcedar Dieback Map project in the observation
5. Answer required (and optional please) project questions about the observation
6. Share the observation!



CREATE LOGIN IN iNATURALIST

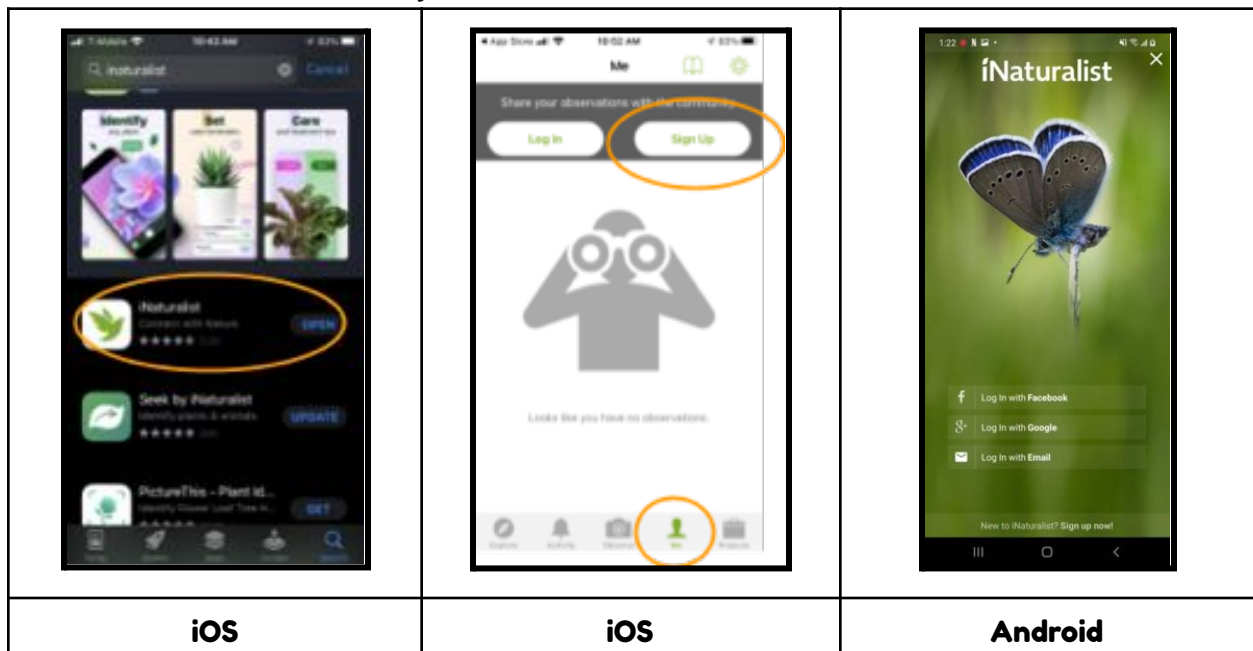
USING DESKTOP COMPUTER (INTERNET BROWSER)

Browse to <https://inaturalist.org> on your computer, then click on the 'sign up' button or click 'Login or Sign Up' in the upper right corner of the page.



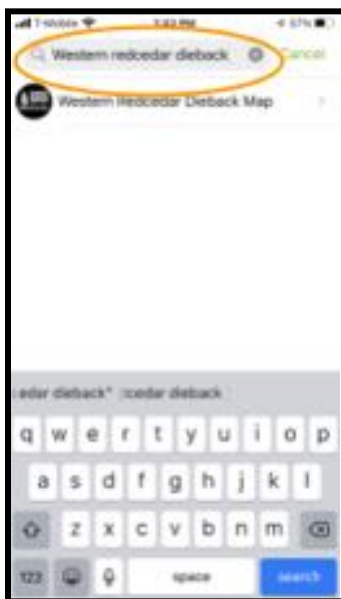
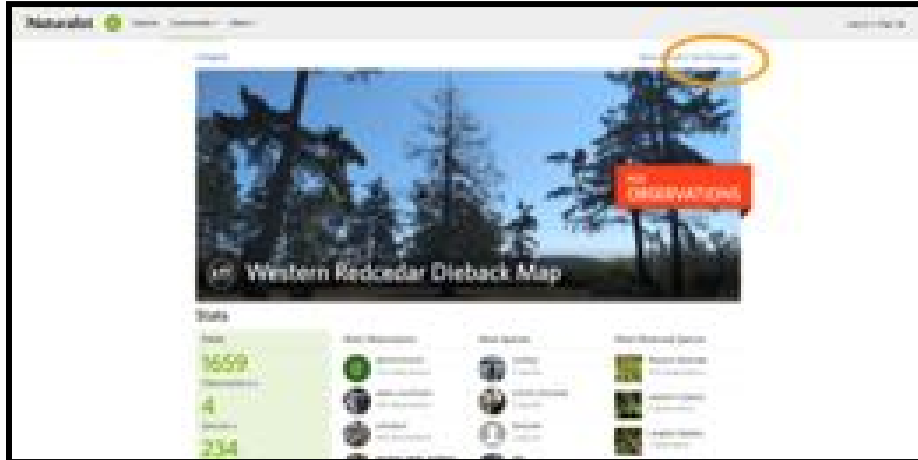
USING MOBILE APPLICATION

Download and open iNaturalist from App Store or Play Store. Sign up or login from the 'Me' tab at the bottom on iOS).

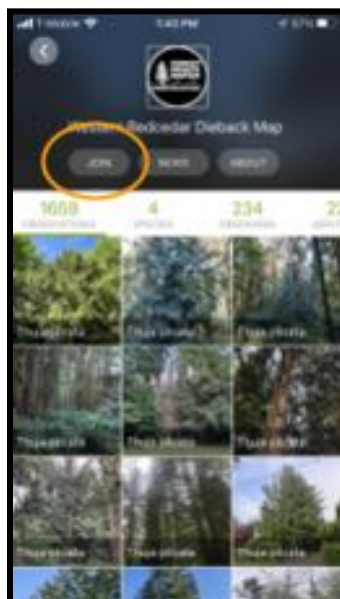


JOIN THE PROJECT

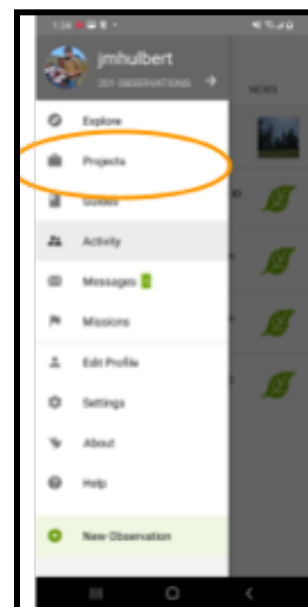
Browse to the Western Redcedar Dieback Map project (<https://www.inaturalist.org/projects/western-redcedar-dieback-map>) or search for 'Western Redcedar Dieback Map' in the projects tab of the iNaturalist mobile App, then click 'join this project' or 'join', respectively.



iOS



iOS



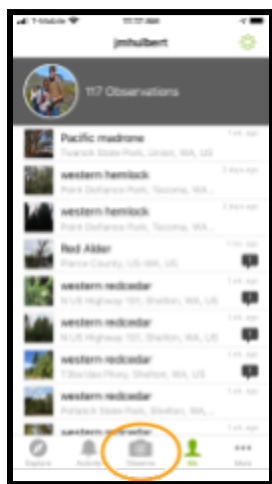

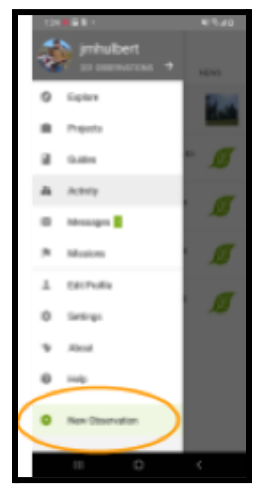
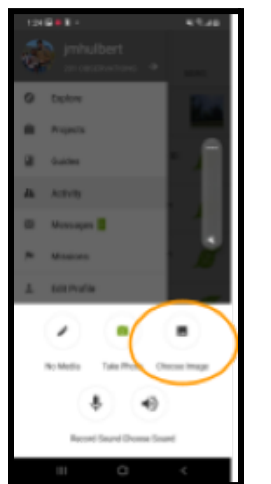
Android

ADD AN OBSERVATION TO iNATURALIST

Add an observation to iNaturalist from your phone or internet browser. Note we recommend taking photos and then adding the observations from your computer, the 'Photo Library' (iOS) or 'Choose Image' (Android) options to select photos from your device.

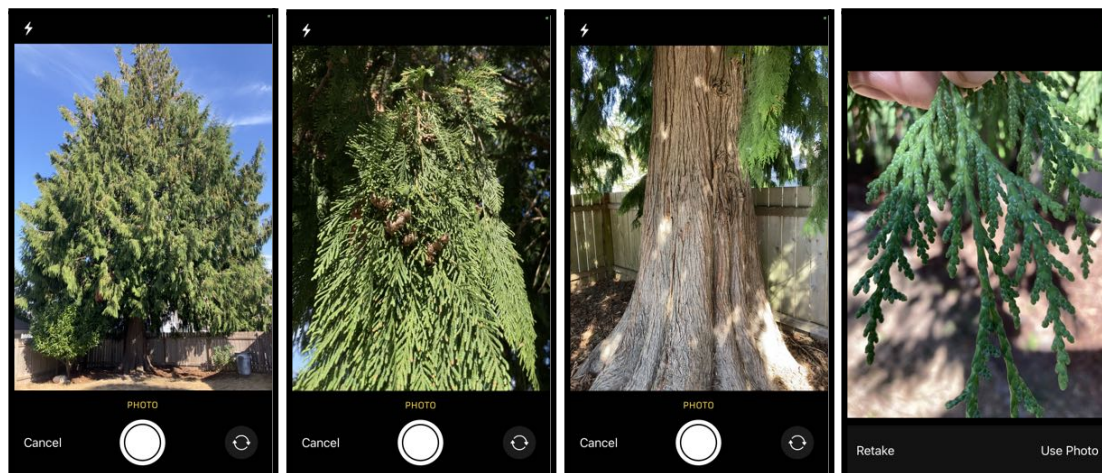
MOBILE APP

1. Tap 'Observe' (iOS) or 'New Observation' (Android)

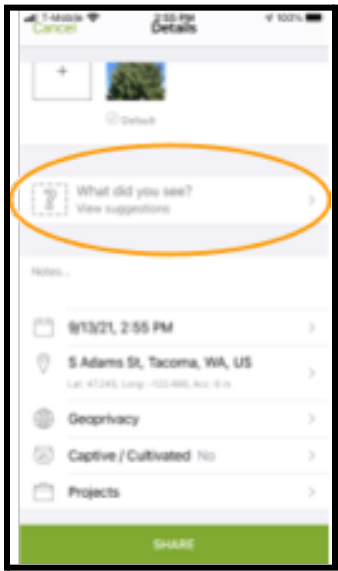
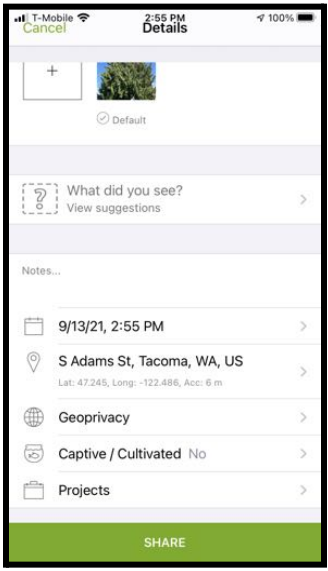
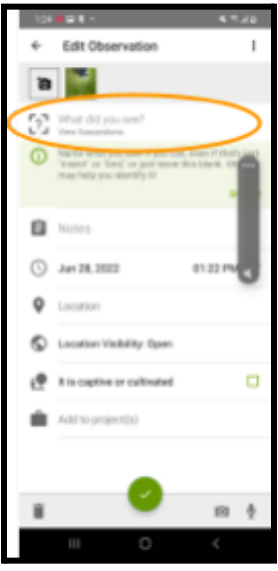
			
iOS	iOS	Android	Android

2. Tap to select up to four photos

- a. Please include four photos with your observation: 1) whole tree, 2) cones (if present), 3) bark, and 4) underside of newest needles.

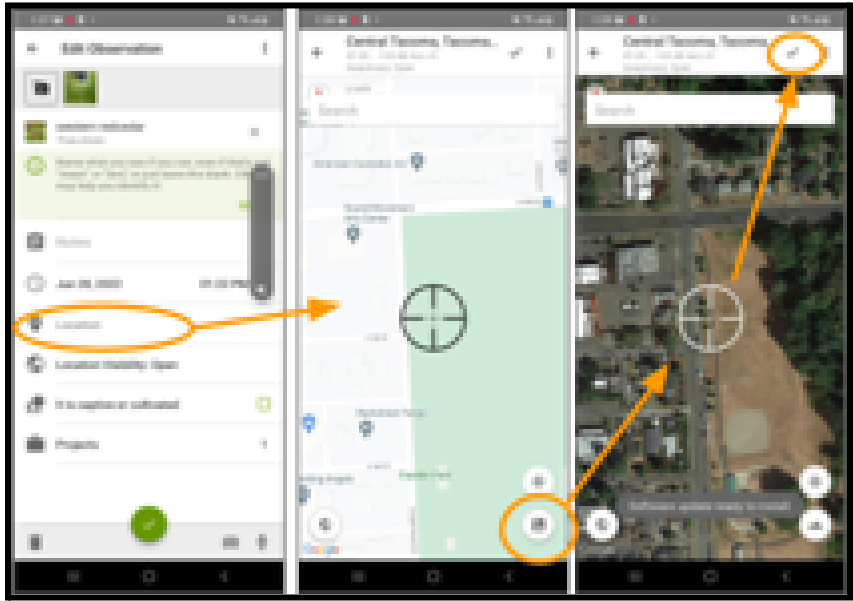


3. Identify the Organism in the Observation

		
iOS	iOS	Android

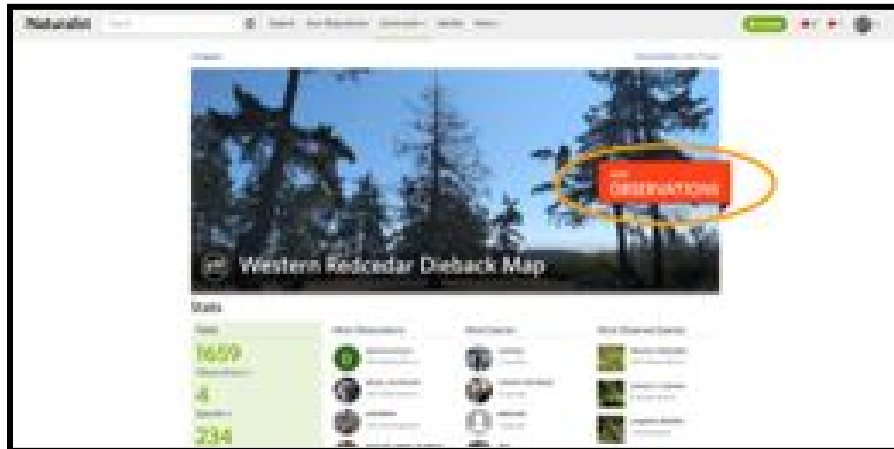
4. Record Location

- The location will be automatically added with photos if you give your phone permission to record location when you take photos.
- Otherwise, click on location, zoom in to the place on the map, and click the check box (Android) or back arrow (iOS).

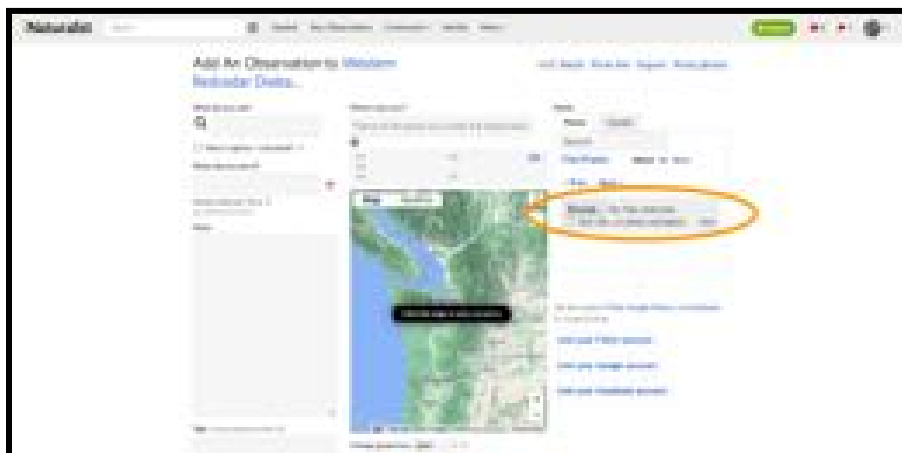

Android

INTERNET BROWSER

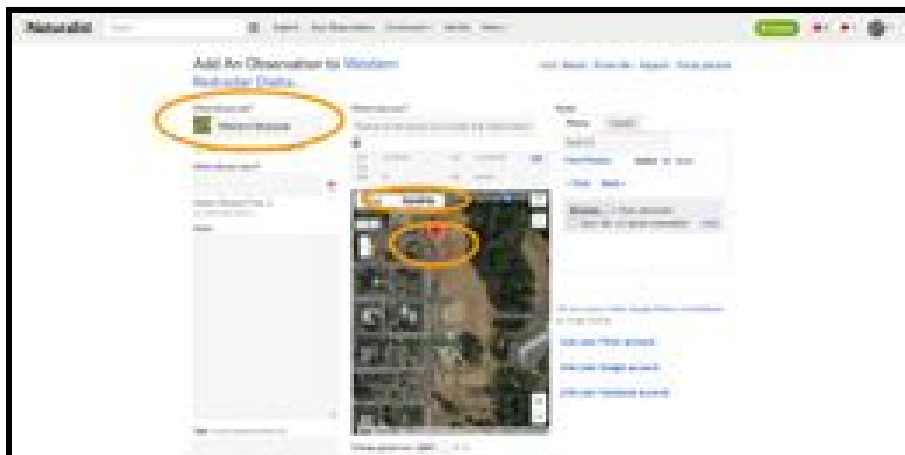
1. Browse to Western Redcedar Dieback Map project (<https://www.inaturalist.org/projects/western-redcedar-dieback-map>) and click 'add observations'.



2. Select Photos from Computer



3. Identify the Organism in the Observation and Drop a Pin in the location

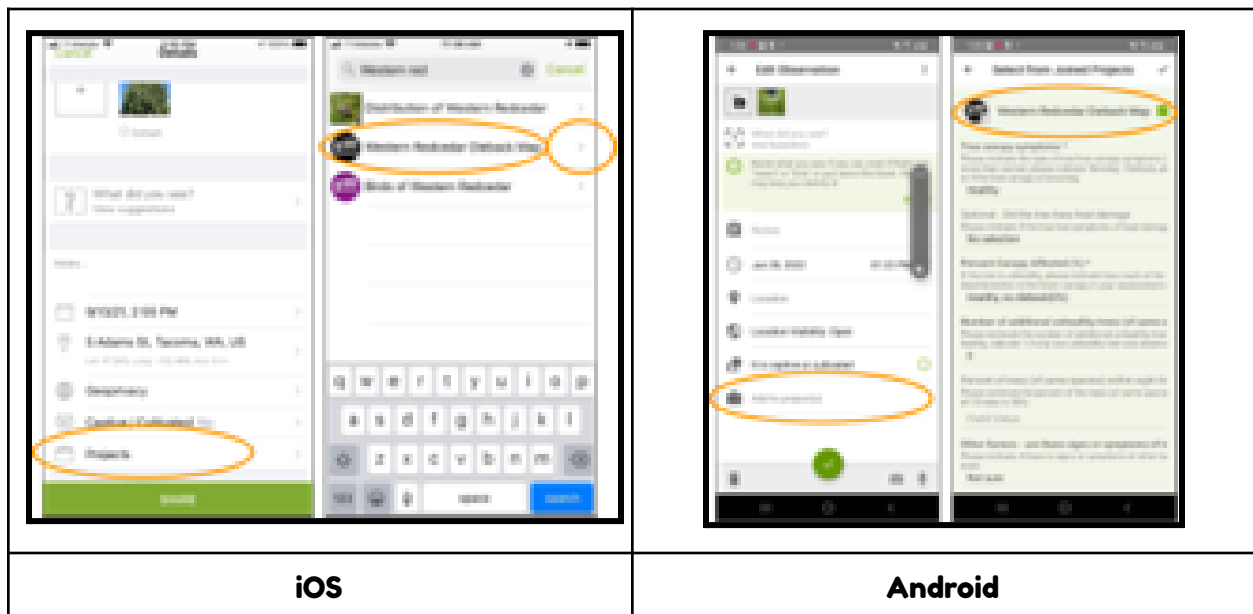


TAG PROJECT AND ANSWER QUESTIONS

MOBILE APP

Tag the project in the observation edit field before hitting share. Otherwise, you can edit the observation after it has been shared.

1. Click on Projects and Search for Western Redcedar Dieback Map, then click the arrow (iOS) or check box (Android)



2. Answer project questions

a. Note answers for the bold questions are required before the observation can be added. The other questions are optional.

b. See the Tree Health Classification Field Guide for guidance on symptoms.

Choose Projects

Western Redcedar Dieback Map Traditional Project

Tree canopy symptoms New Dead Top (red or...) >

Optional - Did the tree have heat damage Not Sure >

Percent Canopy Affected (%) 30-59% of the canopy is unhealthy >

Number of additional unhealthy trees (of same species) in area (within sight) 1 >

Percent of trees (of same species) within sight that are unhealthy 25 >

Other factors - are there signs or symptoms of insect, diseases, or other damage? Not sure >

Optional - What 'other' No selection >

Optional - Tree Size medium (can wrap arms...) >

Optional - Site Type Urban >

Optional - Site/Location Description Urban yard or open park grounds >

Optional - Site/Area Disturbance Level Heavy - a lot of developme... >

Optional - Site Hydrology Upland or well drained >

Optional - Access to water No selection >

Optional - Slope Position Area is flat (e.g. field) >

Optional - Were there any other unhealthy plant species on the site? No >

Optional - Timing of symptoms estimate first observed in... >

Optional - Estimated time

3. Tap check box (Android) or back arrow (iOS) after answering questions

Choose Projects

Western Redcedar Dieback Map Traditional Project

Tree canopy symptoms New Dead Top (red or...) >

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Optional - Were there any other unhealthy plant species on the site? No >

Optional - Timing of symptoms estimate first observed in... >

Optional - Estimated time

iOS

Android

INTERNET BROWSER

Note, if you clicked 'Add Observation' from the project page in your web browser, the project questions will be at the bottom of the page.

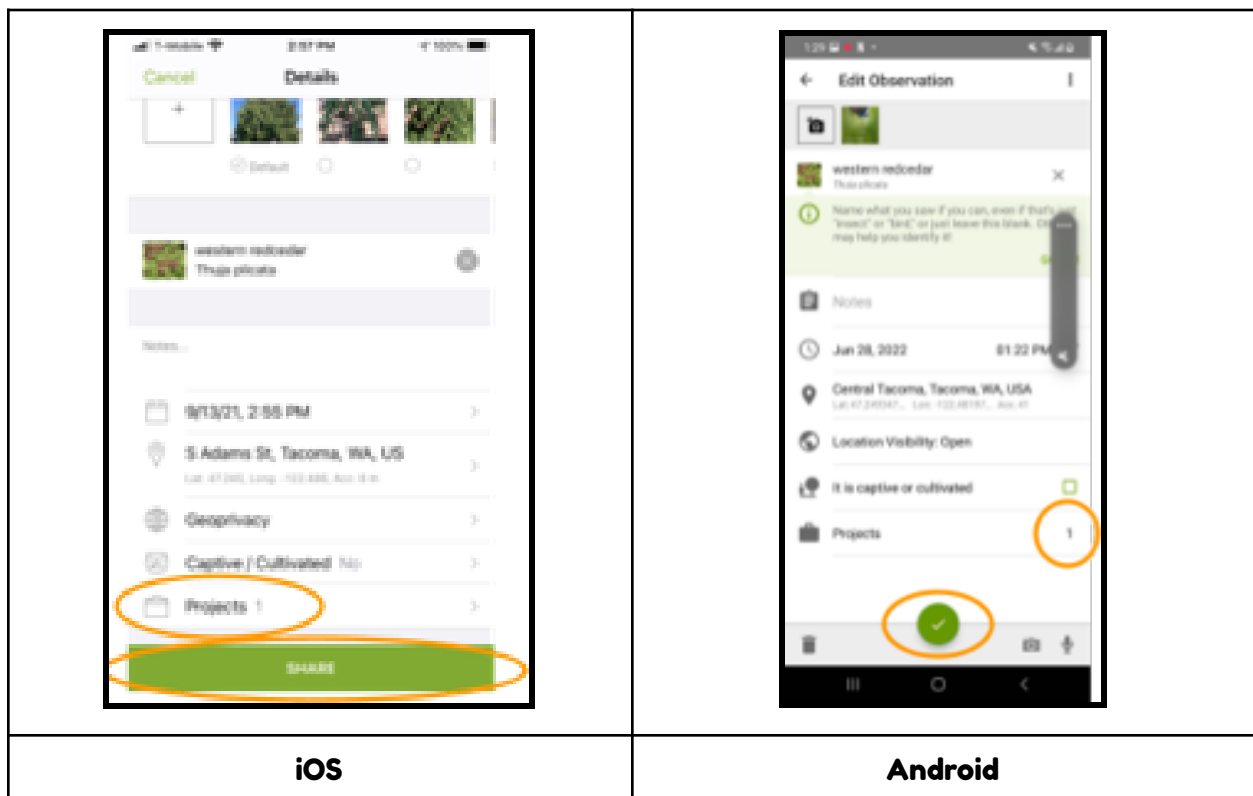
The screenshot shows the iNaturalist web interface for adding an observation to a project named 'Williams Roadside Ditch'. The page is titled 'Add an Observation to Williams Roadside Ditch...' and includes a search bar, a map of the location, and a list of project questions. The questions are organized into sections: 'Required questions', 'Optional questions', and 'Other questions'. The 'Required questions' section includes questions about the species, location, and date. The 'Optional questions' section includes questions about the observation, such as 'How many individuals?', 'How many flowers?', 'How many fruits?', 'How many seeds?', 'How many leaves?', 'How many stems?', 'How many roots?', 'How many flowers?', 'How many fruits?', 'How many seeds?', 'How many leaves?', 'How many stems?', 'How many roots?'. The 'Other questions' section includes questions about the observation, such as 'How many individuals?', 'How many flowers?', 'How many fruits?', 'How many seeds?', 'How many leaves?', 'How many stems?', 'How many roots?'. The page also includes a 'Save Observation' button and a 'Cancel' button.

SHARE THE OBSERVATION!

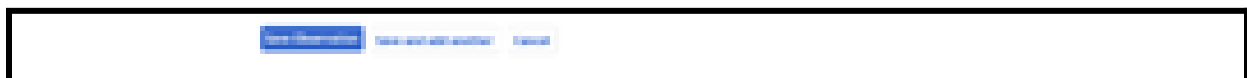
Check that all of the questions are answered and a project is tagged in the observation. Please check there is a '1' or greater listed in the Projects section of the observation.

Nice! Now you're ready to share the observation!

If you're using the mobile App, finish adding the observation by tapping 'Share' or the check mark (Android).



If you're using your internet browser, finish adding the observation by clicking 'Share the Observation' at the very bottom.



THANK YOU for participating as a community scientist!

ADDITIONAL RESOURCES

Forest Health Watch Home Page: <https://foresthealth.org/>

Western Redcedar Dieback Map iNaturalist Main Page:
<https://www.inaturalist.org/projects/western-redcedar-dieback-map>

Pacific Northwest Invasive Plant Council Home Page:
<http://depts.washington.edu/waipc/index.shtml>

Oregon Department of Forestry 'Why is my Tree Dying':
<https://www.oregon.gov/ODF/Documents/ForestBenefits/TreeDeclinesRedcedar.pdf>