

# iNaturalist 101

NHM Community Science Program

[nhm.org/nature](http://nhm.org/nature) @natureinLA nature@nhm.org



# iNaturalist 101 Training

- **9:00 am:** Welcome & introductions
- **9:15 am:** NHM and urban nature
- **9:30 am:** iNaturalist mobile app
- **9:45 am:** Taking photos for science - pro tips
- **10:15 am:** Bioblitz of Pleistocene Garden
- **11:00 am:** BREAK
- **11:10 am:** iNaturalist website demo
- **11:30 am:** Reflection, debrief, classroom application
- **12:00 pm:** End of Training

# Welcome & Introductions

- **Staff**
  - Richard Smart - NHM/Tar Pits
  - Becca Wilcox - NHM/Tar Pits
- **Who else is in the room?**
  - Name
  - Organization or school you are representing
  - Comfort level with iNaturalist



# NHM and Urban Nature









# NHM and Urban Nature

- **NHM has begun**
  - long-term biodiversity study
  - urban habitats and surrounding natural areas
- **Our goals:**
  - Increase our knowledge of local plants and animals
  - Involve our local community in this study



# Urban Nature Research Center

NHM scientists and educators devoted to exploring, studying, and sharing their discoveries of L.A.'s incredible biodiversity with you!





# Community Science Program



Lila Higgins  
Richard Smart  
Jessie Jennewein



Miguel Ordeñana  
Maiz Connolly  
Amy Jaecker-Jones

# What is Community Science?

Projects in which volunteers partner with scientists to answer real-world questions.

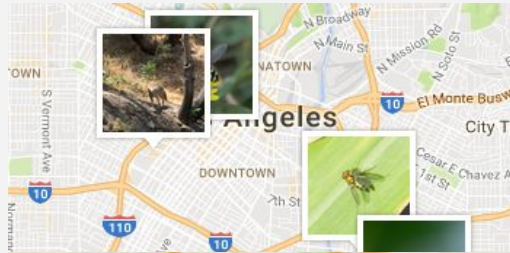
- Cornell Laboratory of Ornithology



# NHM Community Science Projects



**BIOSCAN**



**L.A. NATURE MAP**



**L.A. SPIDER SURVEY**



**RASCALS**



**SLIME**



**SOUTHERN CALIFORNIA  
SQUIRREL SURVEY**

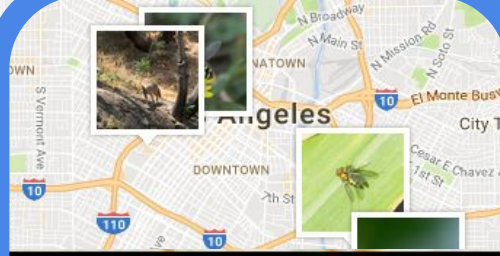




# NHM Community Science Projects



**BIOSCAN**



**L.A. NATURE MAP**



**L.A. SPIDER SURVEY**



**RASCALS**



**SLIME**

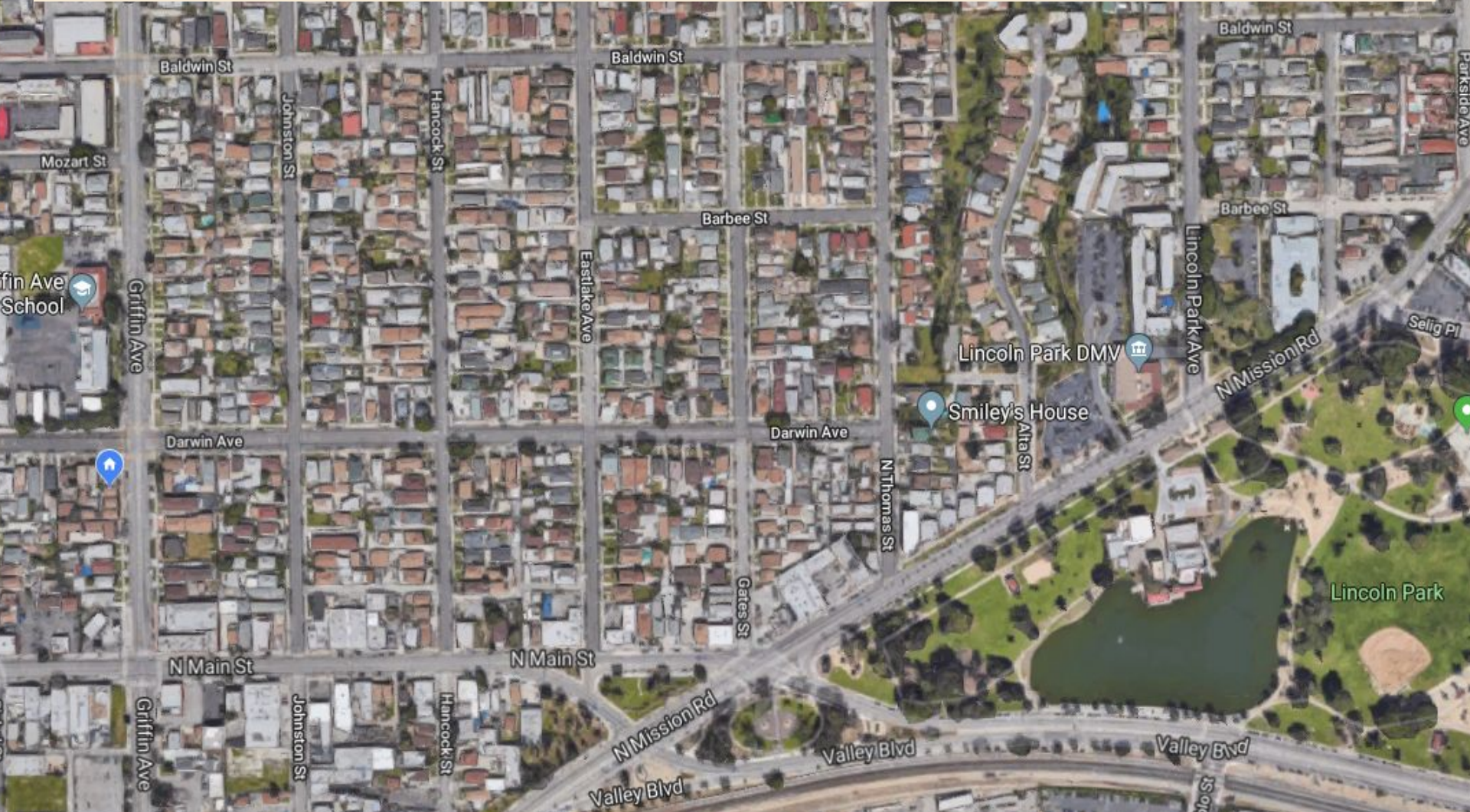


**SOUTHERN CALIFORNIA  
SQUIRREL SURVEY**

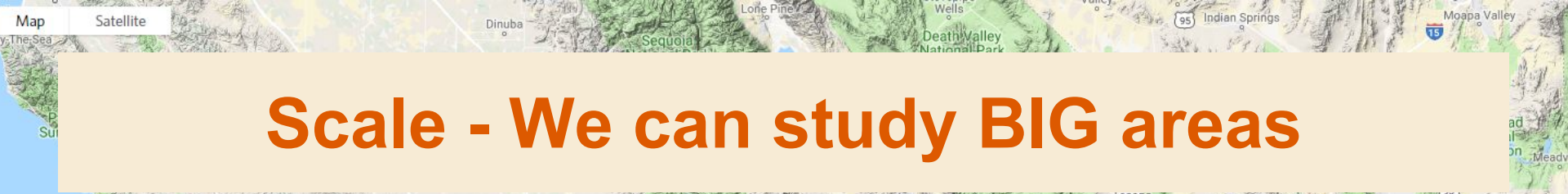




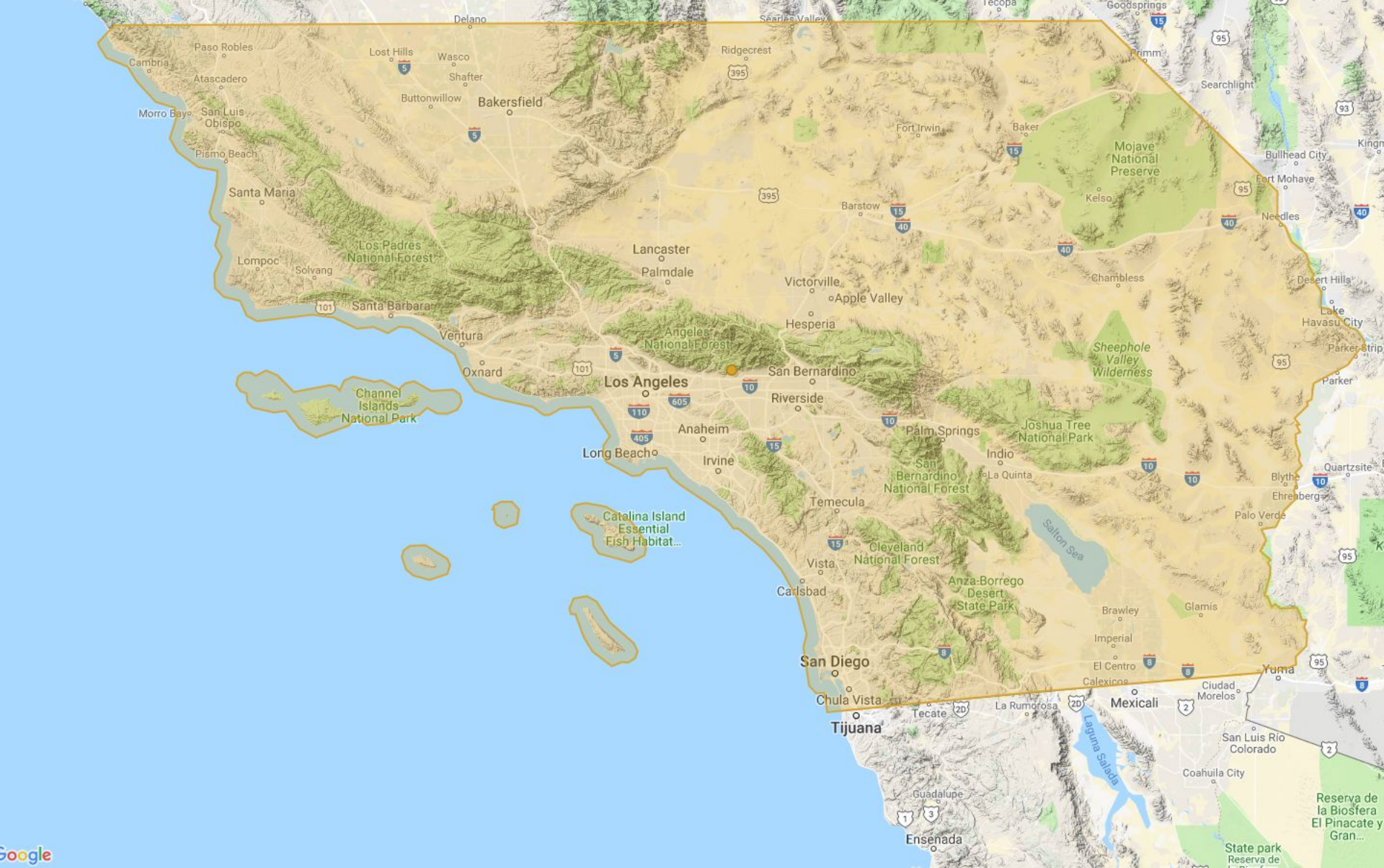
# Access - To private property through you







# Scale - We can study BIG areas





# iNaturalist

Social network for naturalists and scientists.

## How It Works

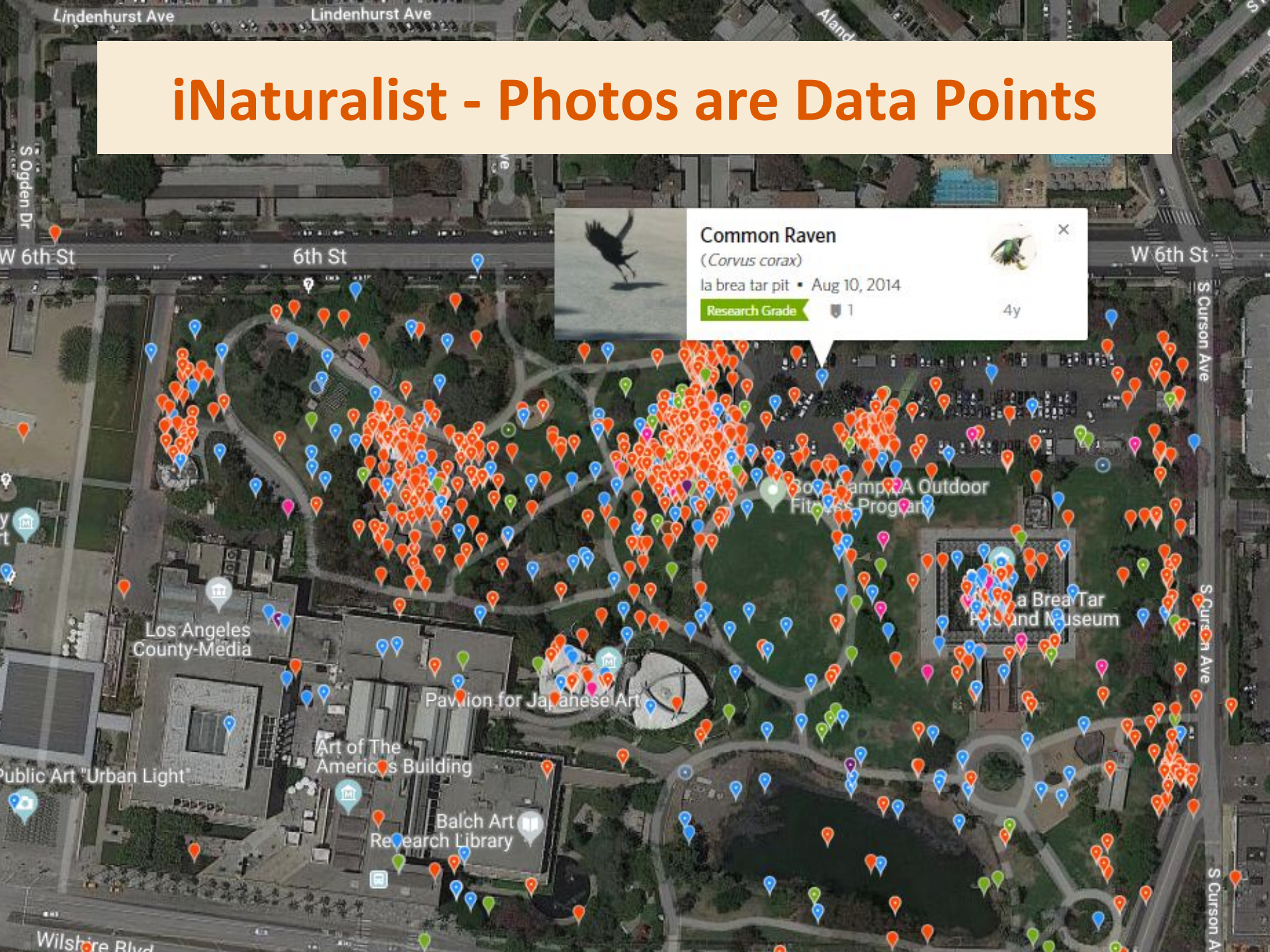


Record your observations

Share with fellow naturalists

Discuss your findings

# iNaturalist - Photos are Data Points





# iNaturalist - Photos are Data Points

Common Raven (*Corvus corax*) Research Grade

Follow

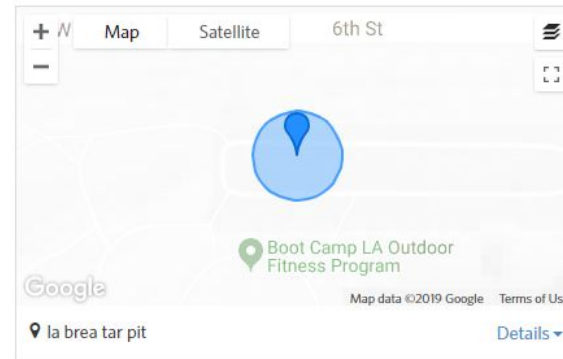


temminicki  
3,864 observations



Observed:  
Aug 10, 2014 · 11:39 AM PDT

Submitted:  
Nov 27, 2014 · 10:47 AM PST



☆ Be the first to fave this observation!

## Activity



temminicki suggested an ID

Improving 4y



Common Raven  
*Corvus corax*

Compare



lonnyholmes suggested an ID

4y



Common Raven  
*Corvus corax*

## Community ID

What's this?

Common Raven (*Corvus corax*)

Cumulative IDs: 3 of 3



Agree

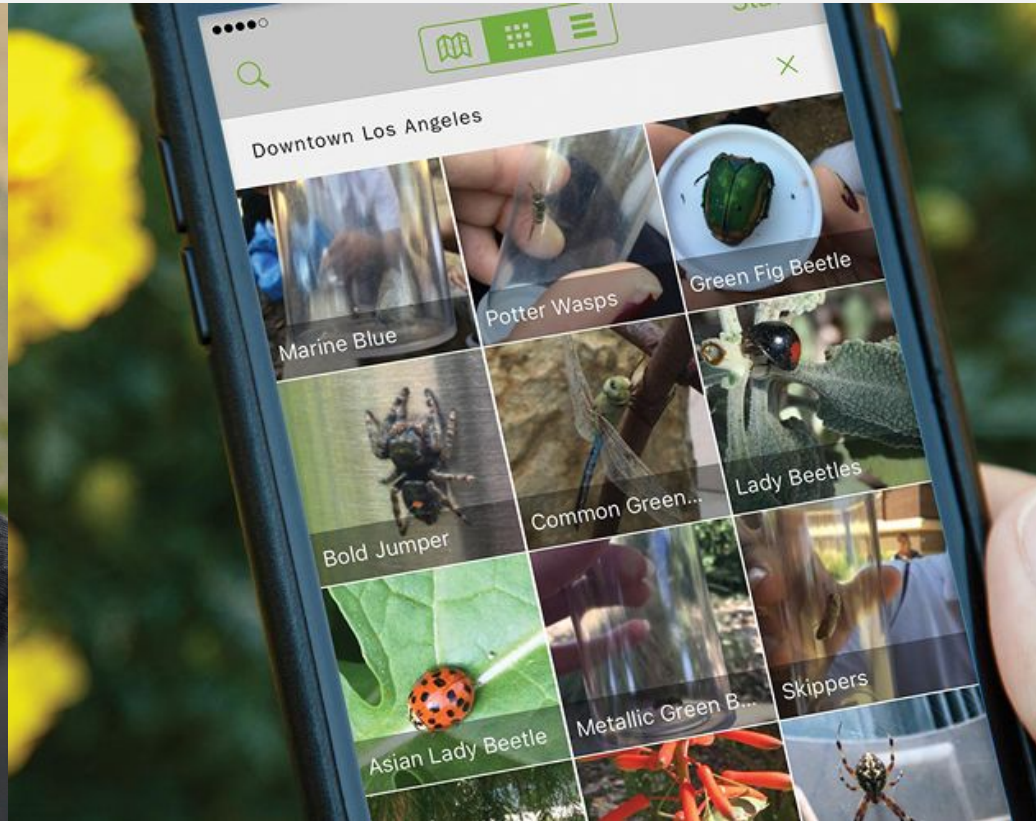
Compare

About

Annotations



# iNaturalist Mobile App





# Taking Photos - For Science





# Pro Tips - Taking Photos For Science

- Capture the moment
- Focus
- Different angles
- Shade
- Know your camera
- Looking for wildlife
- Safety

# Capture the Moment





# Capture the Moment





# Capture the Moment





# Capture the Moment





# Capture the Moment





# Capture the Moment





# Focus





# Focus





# Take photos of different angles





# Shade



# Know your camera

- Focus
- Exposure
- Cropping
- Waterproof





# How to look for wildlife

- Find habitat
  - Sources of food, water, shelter



# How to look for wildlife

- Look up
  - Some animals fly
  - Some climb trees





# How to look for wildlife

- Look down or underneath things
  - Some animals spend most of their time on the ground or underground

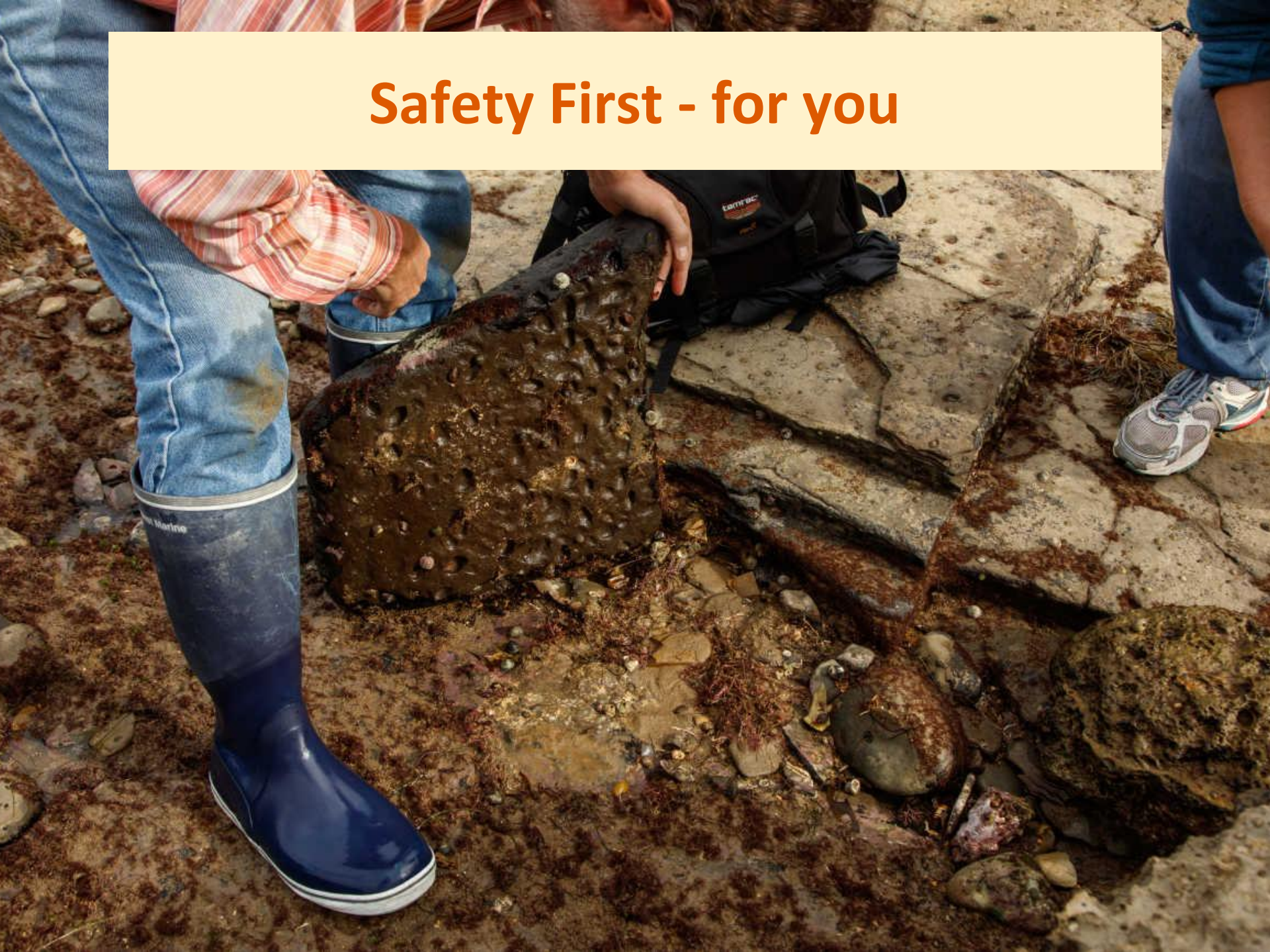


**Safety First!**





# Safety First - for you





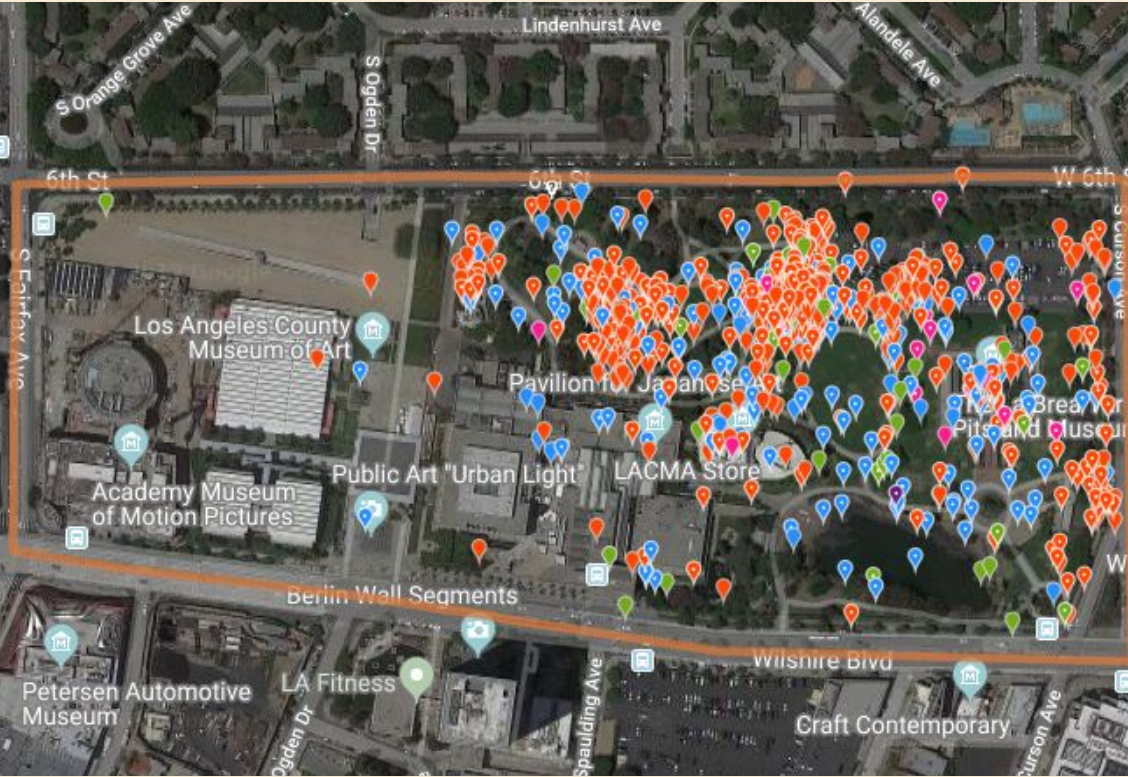
# Safety First - for wildlife





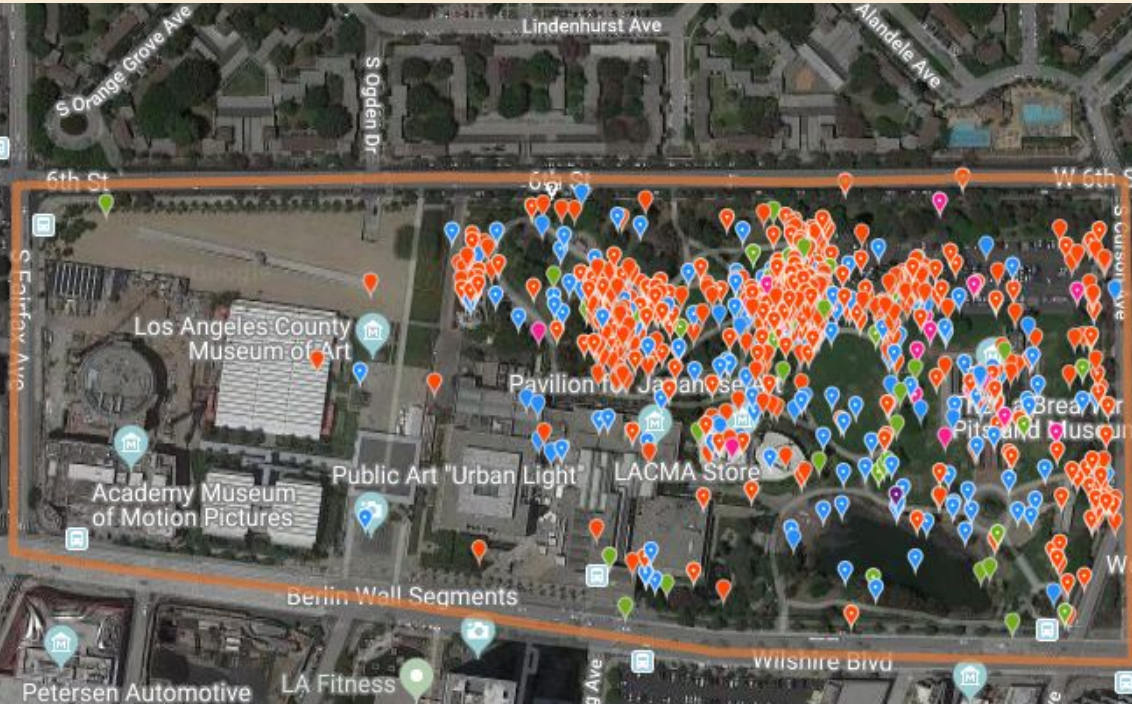
# What is a bioblitz?

*An event that focuses on finding and identifying as many species as possible in a specific area over a limited period of time.*





# Bioblitz



- BioBlitz until 11:00 a.m.
- >5 observations per person
- May work individually or in groups



# BREAK

Starting again at 11:10 a.m.

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# Multiple Ways to Participate

- **E-mail:** [nature@nhm.org](mailto:nature@nhm.org)

- **Social Media:** #NatureinLA



- **Text Message:** 213-663-6632

- **iNaturalist.org:** website & app

# Resources



- [help@inaturalist.org](mailto:help@inaturalist.org)
- [@inaturalist](#)
  - Facebook
  - Twitter
  - iNaturalist
- [iNaturalist.org/pages/help](https://www.inaturalist.org/pages/help)
- iNaturalist google group

- [nature@nhm.org](mailto:nature@nhm.org)
- [@natureinla](#)
  - Facebook
  - Twitter
  - iNaturalist

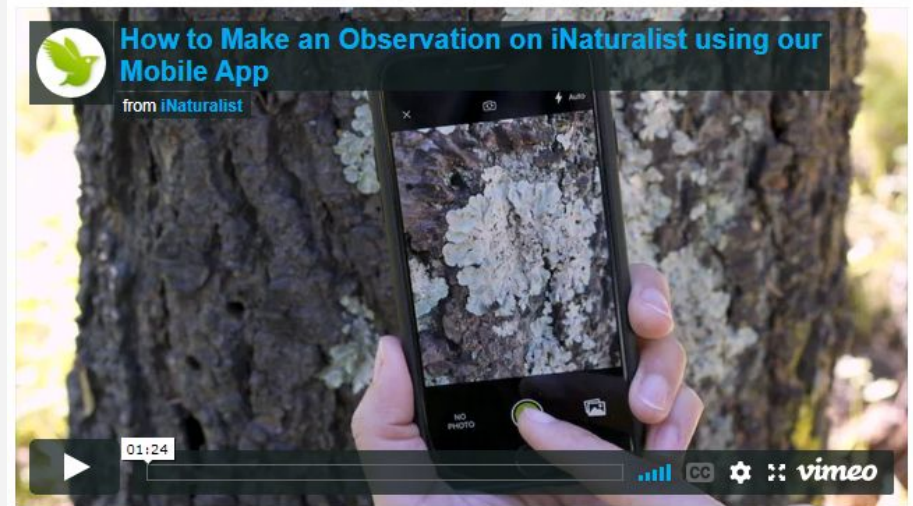


# iNaturalist Help

[inaturalist.org/pages/help](https://inaturalist.org/pages/help)

- How to get started
- Video tutorials
- FAQs
- Teacher's Guide
- BioBlitz Guide
- Community guidelines

Adding an Observation on a Mobile Device



[How to Make an Observation on iNaturalist using our Mobile App from iNaturalist on Vimeo.](#)

# Thank you - Any questions?



## **Richard Smart**

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Natural History Museum of Los Angeles County  
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