

Welcome To Santa Barbara Zoo

FrogWatch USA

“Online Data Entry”





Welcome

- FrogWatch USA's online data entry, mapping, and analysis system is powered by FieldScope, a platform developed by the National Geographic Society for citizen science projects
- Volunteers can enter and review data online, and view and analyze their observations over space and time



FROG | **USA**
WATCH TM



Online Data Entry

- Provides instant data access
- Enhances data quality
- Promotes volunteer feedback & interaction
- Increases data accessibility & usability



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WATCH TM

Getting Started

- Go to the AZA FrogWatch USA webpage:
www.aza.org/current-frogwatch-volunteers
- Scroll to “Enter and Review Data Online”
 - Click on “FrogWatch-FieldScope”
- Handouts and step-by-step tutorials are available for additional support



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WATCH TM

Log in

Log In Here

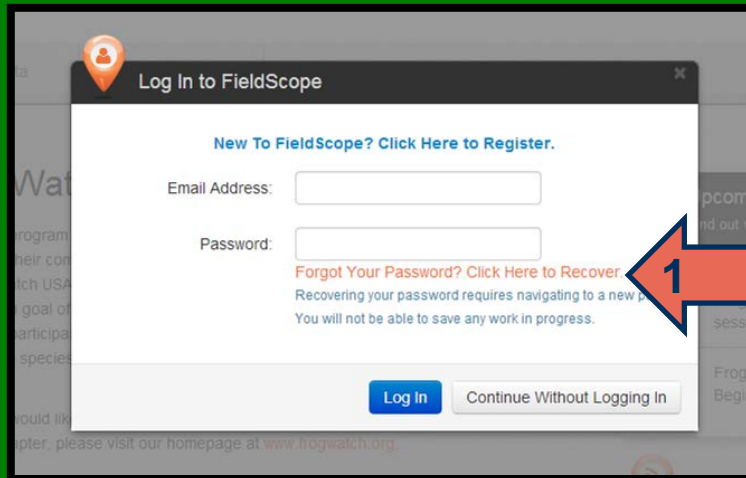
FrogWatch USA volunteers must be logged in to create a site or enter monitoring observation data and view saved maps and graphs.

<http://frogwatch.fieldscope.org/v3>



FROG
WATCH | USA™

Log in: Returning Volunteer



Log In to FieldScope

New To FieldScope? Click Here to Register.

Email Address:

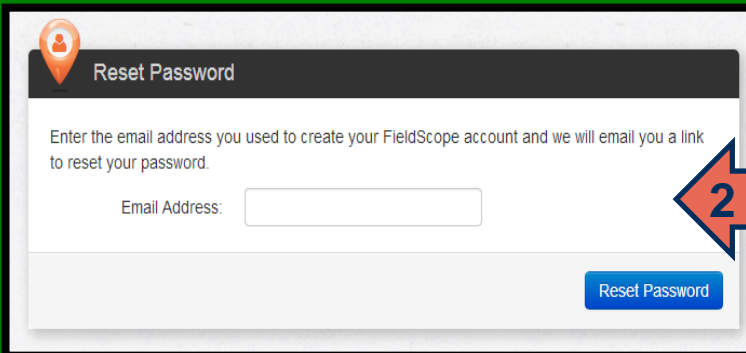
Password:

1 Forgot Your Password? Click Here to Recover

Recovering your password requires navigating to a new page.
You will not be able to save any work in progress.

Log In Continue Without Logging In

1. Click link to recover password.
2. Enter previously used email address for FrogWatch USA.
3. Follow the instructions in your emailed confirmation from *info@fieldscope.org*.
 - Check SPAM folder if needed.



Reset Password

Enter the email address you used to create your FieldScope account and we will email you a link to reset your password.

Email Address:

2

Reset Password

<http://frogwatch.fieldscope.org/v3>



FROG | **USA**
WATCH

Log in: New Volunteer

1. Click link to Register.
2. Fill out registration information.
 - Scroll down to enter chapter.
3. You will receive an email from *info@fieldscope.org*. Follow the instructions to activate your account.
 - Check SPAM folder if needed

<http://frogwatch.fieldscope.org/v3>

Log In to FieldScope

New To FieldScope? Click Here to Register.

Email Address:

Password:

Forgot Your Password? Click Here to Recover.
Recovering your password requires navigating to a new page.
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Log In Continue Without Logging In

New FrogWatch USA User Signup

Email Address: *

Password: *

First Name:

Last Name:

School/Organization:

Street Address:

* Indicates required information

By joining, you agree to our [Terms of Service](#), [Privacy Policy](#), and [Community Rules](#).

Register



FROG
WATCH | USA™

Home Screen (Logged in)



FROG WATCH USA

Hi, FrogWatch USA | Sign Out | Help

Your name appears

Welcome to FrogWatch USA

FrogWatch USA™ is a citizen science program of the Association of Zoos and Aquariums that invites individuals and families to learn about the wetlands in their communities and help conserve amphibians by reporting data on the calls of local frogs and toads. AZA's FrogWatch USA comprises a national network of skilled coordinators and volunteers that form a community with the common goal of providing large scale, long-term data on frogs and toads in the United States. FrogWatch-FieldScope allows participants to enter and review their data, as well as explore maps and graphs. Use FrogWatch-FieldScope to examine species distribution, timing of calls, and other data geographically and over time and see what you can discover!

If you are new to FrogWatch USA and would like to learn more about volunteering, or are part of an institution or organization interested in starting a chapter, please visit our homepage at www.frogwatch.org.

What would you like to do?



MAP DATA



ENTER DATA



GRAPH DATA



HELP



Upcoming Events

Find out what's going on in FrogWatch USA.

There are no scheduled events.



Project News

February 1st Marks the First Day of the 2014 FrogWatch USA Season!

Although much of the United States is currently

cross the country are eager to listen for these seasonal calls and to report their FrogWatch USA observations.

While you wait for the winter thaw, please enjoy exploring our nationwide data set! Anyone can try customizing one of our starter project maps or

ite(s). Be sure to review the monitoring protocols and practice frog and toad call identification, too.

Enter & analyze data

View your saved maps & graphs

View your sites & observations

<http://frogwatch.fieldscope.org/v3>

FROG WATCH USA™



Begin Data Entry

Welcome to FrogWatch USA

FrogWatch USA™ is a citizen science program of the [Association of Zoos and Aquariums](#) that invites individuals and families to learn about the wetlands in their communities and help conserve amphibians by reporting data on the calls of local frogs and toads. AZA's FrogWatch USA comprises a national network of skilled coordinators and volunteers that form a community with the common goal of providing large scale, long-term data on frogs and toads in the United States. FrogWatch-FieldScope allows participants to enter and review their data, as well as explore maps and graphs. Use FrogWatch-FieldScope to examine species distribution, timing of calls, and other data geographically and over time and see what you can discover!

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What would you like to do?



MAP DATA



ENTER DATA



GRAPH DATA



HELP



My Project Content

My Maps

My Graphs

My Observations

My Locations

Location Name	Latitude	Longitude
CSA Cat Spring 6	29.8743	-96.3404
CSA Post Oak 2	29.8332	-96.2994
CSA APC NWR 1	29.6956	-96.2873
TEST - DC	38.9008516725	-77.0359863142



Upcoming Events

Find out what's going on in FrogWatch USA.

There are no scheduled events.



Project News

February 1st Marks the First Day of the 2014 FrogWatch USA Season!

Although much of the United States is currently experiencing a deep chill, we know that frogs and toads will be calling and breeding at the first hints of spring. We are grateful to know that volunteers across the country are eager to listen for these seasonal calls and to report their FrogWatch USA observations.

While you wait for the winter thaw, please enjoy exploring our nationwide data set! Anyone can try customizing one of our starter project maps or graphs or try their hand at creating one of their own. Current volunteers should review and update their account and site registration information. New volunteers can sign up and register their wetland site(s). Be sure to review the monitoring protocols and practice frog and toad call identification, too.

Thank you for your passion and dedication! We think this will be an exciting season.

There are multiple ways to begin data entry

<http://frogwatch.fieldscope.org/v3>



FROG WATCH

USA™

Locate or Register a FrogWatch USA Monitoring Site



FROG | **USA**
WATCH TM

Register a New Site

ENTER DATA PROGRESS: 1 Select Station 2 Enter Observations

Select or create a station where observations were taken [Learn More](#)

Select Existing Station **Create New Station**

Create a new station:

Station ID:
 Value is required

Name:
 Enter a descriptive name for this station

How would you like to place the station?

☒ Click on a point in the map to the right

Latitude:
 Longitude:

☐ Enter GPS Coordinates

Survey Site Information

City:
 County:
 State: Select one...

Data entry indicator

Site Selection: Create New Station

A site name is required. Avoid generic names or ones that contain personal information.

Generate coordinates by clicking on the map

Enter coordinates collected in the field

<http://frogwatch.fieldscope.org/v3/data>



FROG **WATCH** **USA**

Option 1: Generate Coordinates

ENTER DATA PROGRESS: 1 Select Station 2 Enter Observations

Select or create a station where observations were taken

Select Existing Station Create New Station

Create a new station:

Station ID:

Name: Riverside Pond

Enter a descriptive name for this station

How would you like to place the station?

☒ Click on a point in the map to the right

Latitude: 38.594336

Longitude: -77.153895

☐ Enter GPS Coordinates

Survey Site Information

City:

County:

State: Select one...

Characterize Land Use: Select one...

Site Habitat: Select one...

Wetland Origin: Select one...

Water Presence: Select one...

Water Source: Select one...

Previous Save Station NEXT

1. Zoom in to generate precise coordinates and see mapped wetlands.

2. A black dot will appear at the selected location.

- Neighboring sites appear as frogs.



<http://frogwatch.fieldscope.org/v3/data>



FROG **WATCH** **USA**

Enter Survey Site Information

Survey Site Registration

Volunteer Information:

Observer Name: FrogWatch USA Coordinator Address: 8403 Colesville Road, Suite 100
Chapter/Organization: AZA City, State, Postal Code: Silver Spring, MD 20910
Email Address: frogwatch@aza.org Phone Number: 301-587-5700

Survey Site Information:

Site Name: Riverside Pond
Site City, County, State: Indian Head, Charles, Maryland

4 Characterize Your Site (select one):

☒ Suburban ☐ Urban ☐ Rural ☐ Other

5 Site Habitat (check one)

☐ Swamp or Woodland Swamp
☐ Freshwater Marsh
☐ Bog or Fen
☐ Vernal Pool
☐ Wet Meadow
☒ Pond
☐ Prairie Pothole
☐ Ditch
☐ Other: _____

7 Water Presence (check one)

☐ Permanent
☐ Temporary Some Years
☐ Temporary Every Year
☒ Not Known

6 Wetland Origin (check one)

☐ Natural
☐ Formed by a Beaver Dam
☒ Human-made
☐ Artificially Altered
☐ Not Known

8 Water Source (check one)

☐ Pond
☐ Lake
☐ Stream or River
☒ Precipitation or Runoff
☐ Groundwater
☐ Not Known

9 Describe Additional Survey Site Characteristics: Stormwater pond at the end of the cul-de-sac

Latitude/Longitude: Latitude: 38.5943 Longitude: -77.1539

Enter in Decimal Degrees to four (4) decimal places. All longitudes in the United States must include a negative (-) or Westing (W) symbol. If you do not have a GPS unit, use an online mapping tool and search by address.

10 Directions to site: Blair Road to Thompson Lane and make the third right. If you reach the end of Thompson Ln, you've gone too far.

Submit your Site Registration electronically to the FrogWatch USA database.

Go to www.aza.org/current-frogwatch-volunteers to get started.

Email frogwatch@aza.org if additional support is needed.

FrogWatch USA™ is a program of the Association of Zoos and Aquariums.

Survey Site Information

1 City: Indian Head

2 County: Charles

3 State: Maryland

4 Characterize Land Use: Suburban

5 Site Habitat: Pond

6 Wetland Origin: Human-made

7 Water Presence: Not Known

8 Water Source: Precipitation or Runoff

9 Description: Stormwater pond at the end of the cul-de-sac

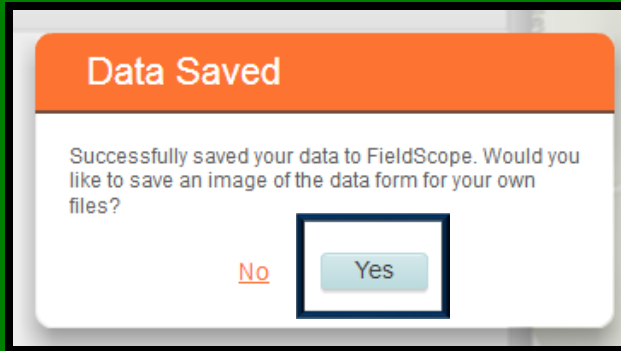
10 Directions To Site: Blair Road to Thompson Lane and make the third right. If you reach the end of Thompson Ln, you've gone too far.

Previous

Save Station

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USA™

Save a Copy of Your Site Registration



- Save a copy of your site registration for your records and to cross reference with the information you entered.
- You are strongly encouraged to share a copy with your chapter coordinator.

<http://frogwatch.fieldscope.org/v3/data>



FROG **WATCH** **USA**TM

Select an Existing Site



- 1. Select from a list of all stations**
 - All sites registered by you
 - All sites you have monitored
 - If you do not see your site, proceed to #2 or #3
- 2. Select from a list of all stations**
 - All registered FrogWatch USA sites
 - Type site name or select from drop-down
- 3. Click on a point in the map to the right**
 - Click on a frog symbol to select a registered FrogWatch USA site

<http://frogwatch.fieldscope.org/v3/data>



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Enter Monitoring Observation Data



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Enter Data at Your Site(s)

Map Data | **Enter Data** | Graph

ENTER DATA PROGRESS: 1 Select Station 2 Enter Observations

Select or create a station where observations were taken

Select Existing Station | Create New Station

How would you like to find an existing station?

☒ Select from a list of my stations

My Stations: Saint Ferdinand Park

☐ Select from a list of all stations

☐ Click on a point in the map to the right

Station Details

Station ID: 416536

Name: Saint Ferdinand Park

Enter a descriptive name for this station

OR

What would you like to do?

MAP DATA | ENTER DATA | GRAPH DATA | HELP

My Project Content

My Maps | My Graphs | My Observations | **My Locations**

Location Name	Latitude	Longitude
CSA Cat Spring 6	29.8743	-96.3404
CSA Post Oak 2	29.8332	-96.2994
CSA APC NWR 1	29.6956	-96.2873
TEST - DC	38.9008516725	-77.0359863142

Select a row to enter data at that site

<http://frogwatch.fieldscope.org/v3/data>



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Begin Data Entry

FROG WATCH USA

Tip: You can click on the logo to return to the home screen

Map Data

Enter Data

Graph Data

ENTER DATA PROGRESS:

1 Select Station

2 Enter Observations

Data entry indicator



Enter new observations or edit existing observations

[Learn More](#)

Observation Date:

Calendar for FEBRUARY 2014

SU	MO	TU	WE	TH	FR	SA
26	27	28	29	30	31	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	1

Visit Information

Start Time:

End Time:

Air Temperature:

Wind Speed:

Precipitation During Visit:

None

- Use the Calendar Tool to select the date of the observation
 - The single arrows scroll through the months
 - The double arrows scroll through the years

<http://frogwatch.fieldscope.org/v3/data>



FROG WATCH USA™

Enter Visit Information

Observation Datasheet

Volunteer and Site Information

Observer Name: FrogWatch USA

Site Name: Riverside Pond

State: Maryland

Chapter: Unaffiliated

(If applicable)

Visit Information

Date: 02-03-2014

Start Time: 19:09

End Time: 19:12

Begin monitoring at least 30 min
time should be exactly three

Weather Conditions

(Write in temperature during observation and make one selection per weather category)

Air Temperature (Indicate °C or °F): 26 F

Wind Speed using Beaufort Wind Scale:

☐ 0 ☐ 1 ☒ 2 ☐ 3
☐ 4 ☐ 5

Precipitation during visit:

☒ None ☐ Fog/Mist ☐ Light Rain/Drizzle ☐ Medium Rain
☐ Hard Rain ☐ Hail ☐ Snow

Precipitation in the past 48 hours:

☐ No Precipitation ☒ Some Precipitation ☐ Much Precipitation

The temperature during the past 48 hours has primarily been:

☐ Above Freezing ☒ Below Freezing

Map Data Enter Data Graph Data

ENTER DATA PROGRESS: 1 Select Station 2 Enter Observations

Enter new observations or edit existing observations [Learn More](#)

1 Observation Date: 2014-02-03

Visit Information

2 Start Time: 07 : 09 AM PM
Begin monitoring at least 30 minutes after sunset.

3 End Time: 07 : 12 AM PM
End time should be exactly three minutes after start time.

4 Air Temperature: 26 °F

5 Wind Speed: 2 - LIGHT BREEZE: leaves rustle; can feel wind on face

6 Precipitation During Visit: None

7 Precipitation in the last 48 hours: Some Precipitation

8 The temperature the last 48 hours has been: Below Freezing

Frog & Toad Observation

<http://frogwatch.fieldscope.org/v3/data>

FROG
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Enter Frog & Toad Observations

Frog & Toad Observation

1 Species: No Species Heard 3

2 Call Intensity: 0 - No frogs or toads can be heard calling.

Notes

Frog & Toad Observations

Species Name	Calling Intensity
No Species Heard 1	<input checked="" type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 2
3	<input type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3
	<input type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3
	<input type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3
	<input type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3
	<input type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3
	<input type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3
	<input type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3

1. Type the first letter or use the drop-down to select the species
 - “No Species Heard” is at the top
 - Otherwise, the list is alphabetized
2. Type the number or use the drop-down to enter the call intensity
 - This field is required and “0 - no frogs or toads can be heard calling” must be entered when “No Species Heard” is selected above
3. Use the plus to add more species.
 - The minus will remove a species.

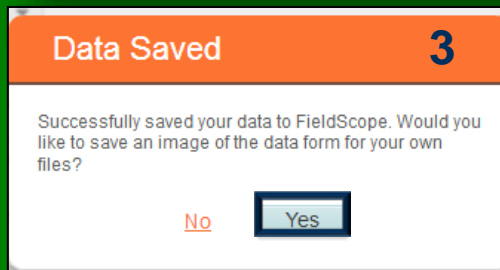
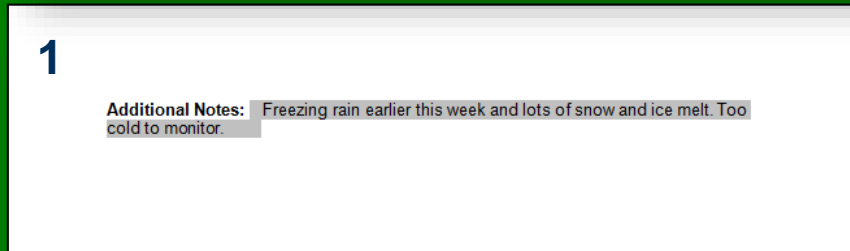
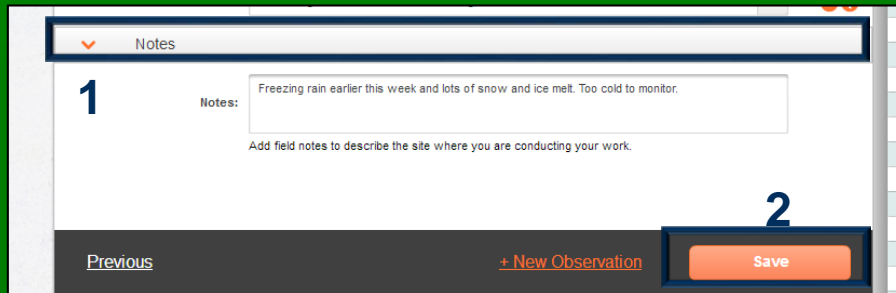


<http://frogwatch.fieldscope.org/v3/data>



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Include Notes & Save



1. Enter any notes about your site conditions or monitoring visit.
 - This can include species heard outside the 3 minute listening period.
2. Click the Save Button
3. Save a copy of your site registration for your records and to cross reference with the information you entered.
 - You are strongly encouraged to share a copy with your chapter coordinator.



FROG | **USA**
WATCH

**SANTA
BARBARA**
ZOO
CONSERVATION
PROGRAMS

A horizontal strip of four black and white photographs of frogs. From left to right: 1. A dark-colored frog with a prominent light-colored stripe running along its side and back. 2. A frog with a light background and numerous dark, irregular spots and blotches. 3. A light-colored frog with a dark stripe running along its side. 4. A frog with a light background and dark spots, shown in a naturalistic setting with dry grass or reeds.

- 
- The logo for Frog Watch USA. The word "FROG" is in large, bold, green capital letters. Below it, the word "WATCH" is in large, bold, dark green capital letters. To the right of "WATCH" is a vertical red bar. To the right of the red bar, the letters "USA" are written vertically in dark green capital letters, with a small trademark symbol (TM) at the bottom.

Review & Edit Your Site & Observation Data

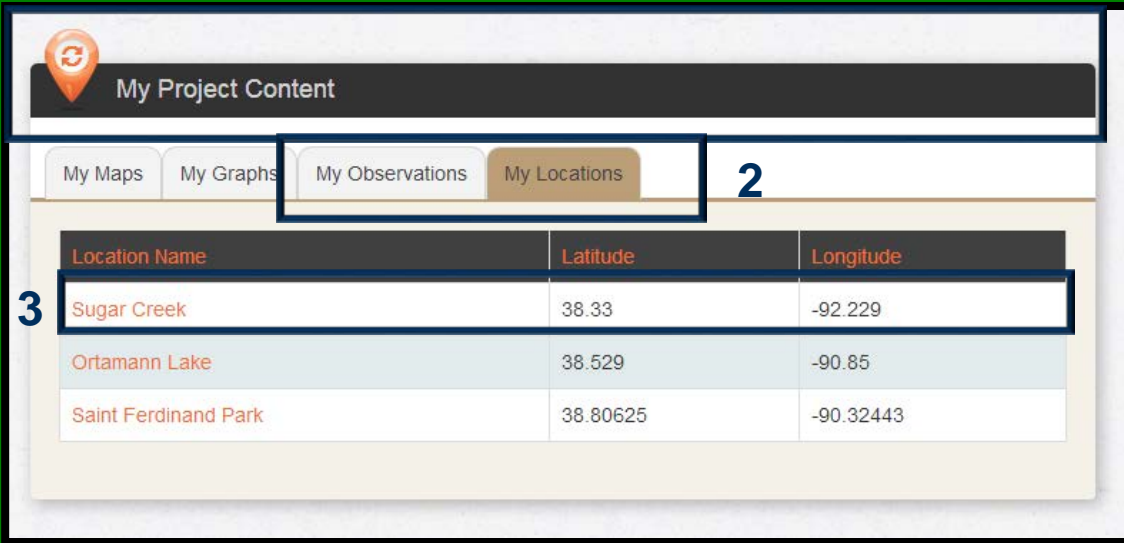


FROG | **USA**
WATCH TM

Shortcuts for Reviewing Your Own Sites & Data



1

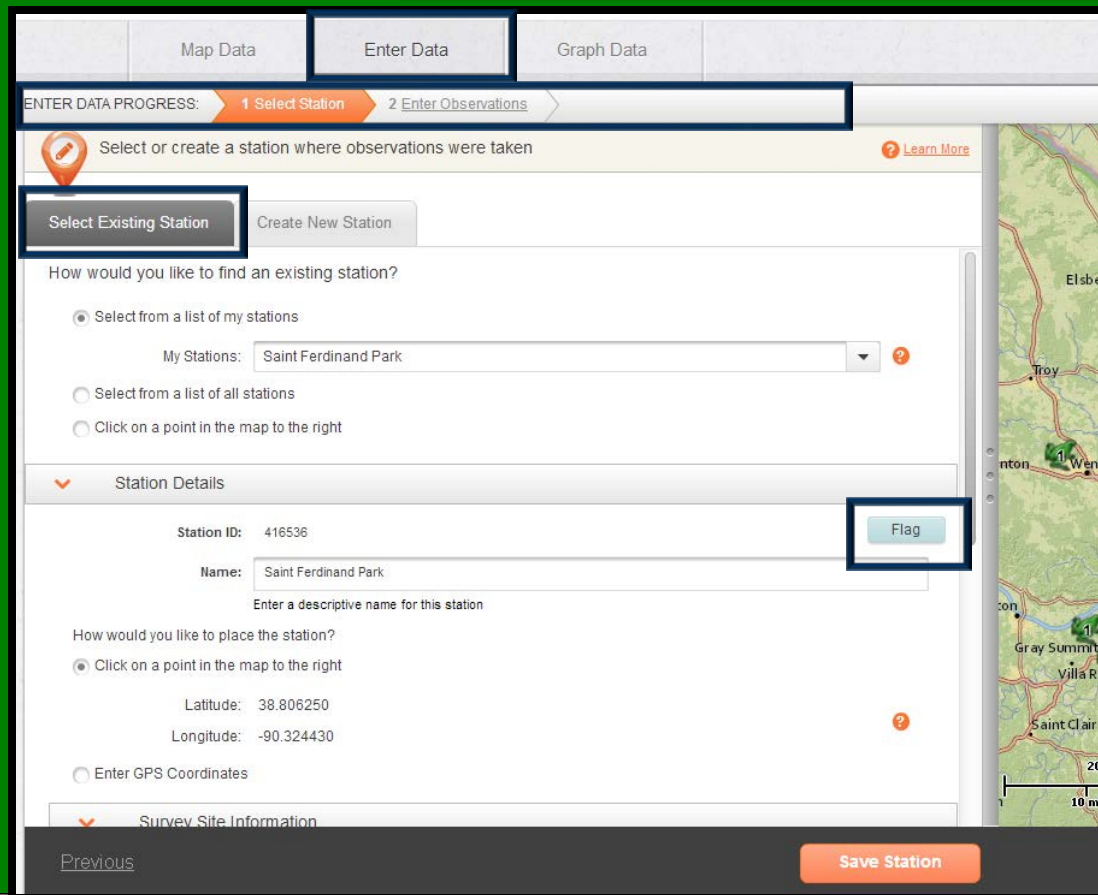


1. Scroll to “My Project Content” on the home screen
2. Click the “My Locations” or “My Observations Tab” to view recent entries made by you
3. Click on a location name or observation date



FROG | **USA**
WATCH TM

Edit an Existing Site

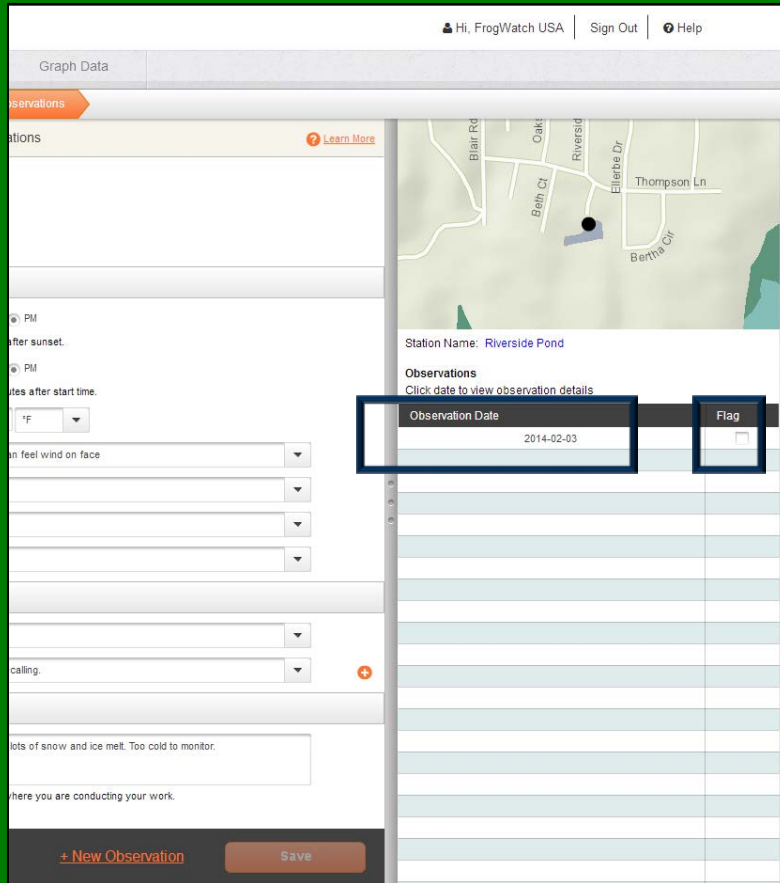


1. If you registered the site, you can make updates & changes as needed.
 - Click “Save Station” button
 - Save a copy for your records
2. To update a site not registered by you:
 - Flag the site & provide details in the comments
 - AZA will review & update
3. If a site should be deleted:
 - Flag with comment for AZA



FROG | **USA**
WATCH

Edit an Observation

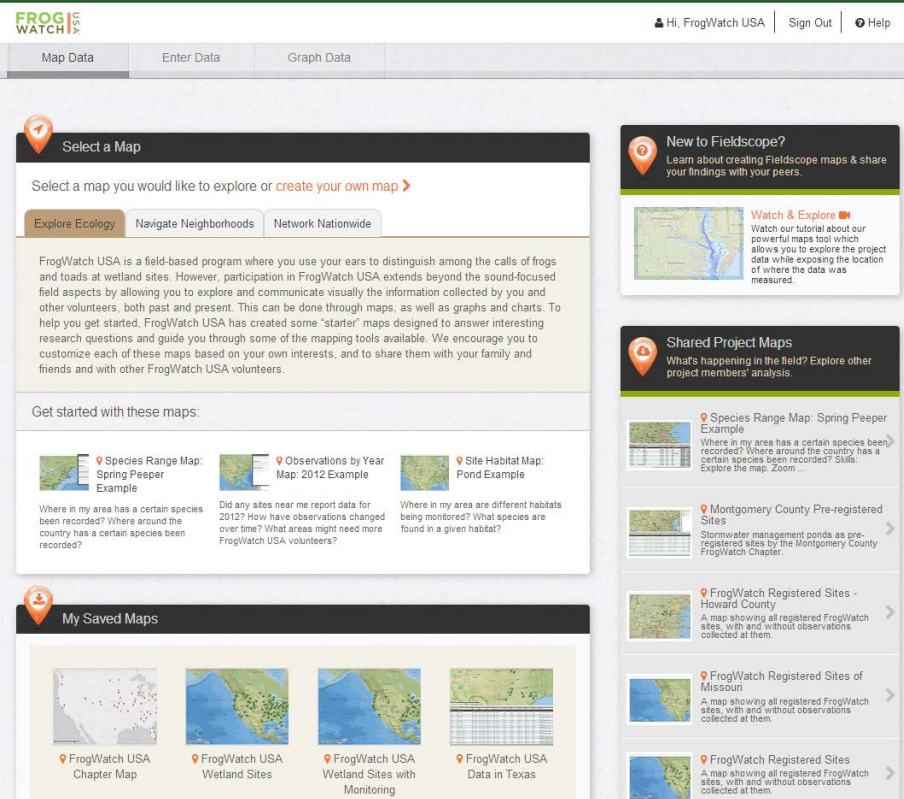


- If you entered the observation you can make updates & changes as needed.
 - Click on the date in the right-hand window.
 - Click Save button.
 - Save a copy for your records.
- To update an observation not entered by you:
 - Flag the observation date & provide details in the comments.
 - AZA will review & update.
- If an observation should be deleted:
 - Flag with comment for AZA



FROG | **USA**
WATCH

Keep Going!



FROG WATCH USA Hi, FrogWatch USA | Sign Out | Help

Map Data | Enter Data | Graph Data

Select a Map

Select a map you would like to explore or [create your own map](#)

Explore Ecology | Navigate Neighborhoods | Network Nationwide

FrogWatch USA is a field-based program where you use your ears to distinguish among the calls of frogs and toads at wetland sites. However, participation in FrogWatch USA extends beyond the sound-focused field aspects by allowing you to explore and communicate visually the information collected by you and other volunteers, both past and present. This can be done through maps, as well as graphs and charts. To help you get started, FrogWatch USA has created some "starter" maps designed to answer interesting research questions and guide you through some of the mapping tools available. We encourage you to customize each of these maps based on your own interests, and to share them with your family and friends and with other FrogWatch USA volunteers.

Get started with these maps:

- Species Range Map: Spring Peeper Example**
Where in my area has a certain species been recorded? Where around the country has a certain species been recorded?
- Observations by Year Map: 2012 Example**
Did any sites near me report data for 2012? How have observations changed over time? What areas might need more FrogWatch USA volunteers?
- Site Habitat Map: Pond Example**
Where in my area are different habitats being monitored? What species are found in a given habitat?

My Saved Maps

- FrogWatch USA Chapter Map
- FrogWatch USA Wetland Sites
- FrogWatch USA Wetland Sites with Monitoring
- FrogWatch USA Data in Texas

New to Fieldscope?

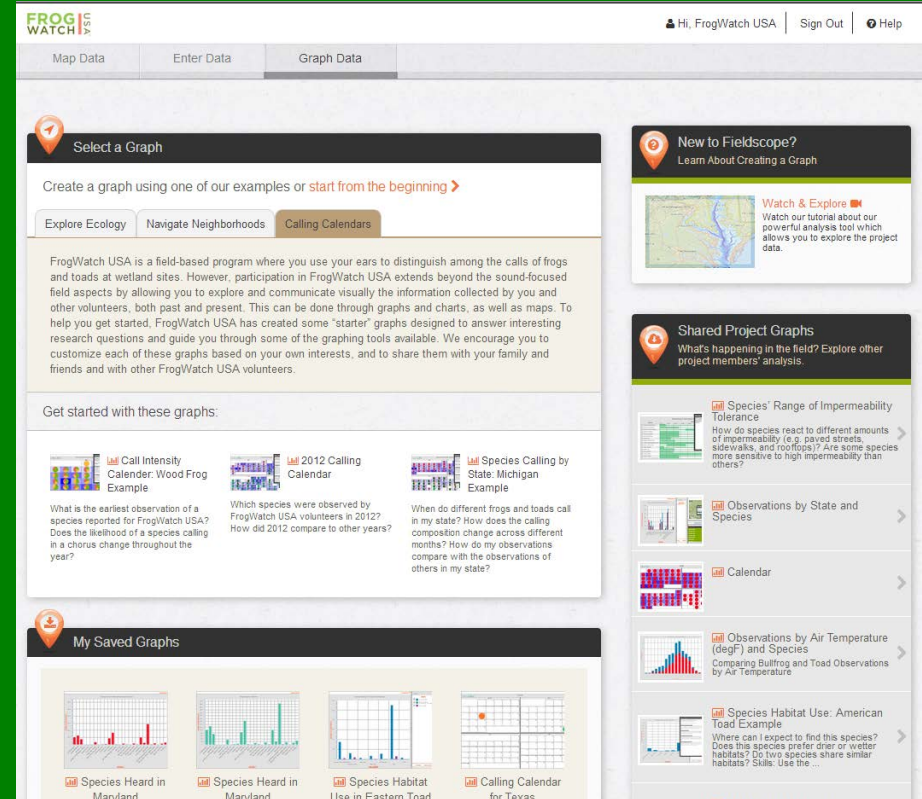
Learn about creating Fieldscope maps & share your findings with your peers.

Watch & Explore
Watch our tutorial about our powerful maps tool which allows you to explore the project data while exposing the location of where the data was measured.

Shared Project Maps

What's happening in the field? Explore other project members' analysis.

- Species Range Map: Spring Peeper Example**
Where in my area has a certain species been recorded? Where around the country has a certain species been recorded? Suits. Explore the map. Zoom...
- Montgomery County Pre-registered Sites**
Stormwater management ponds as pre-registered sites by the Montgomery County FrogWatch Chapter.
- FrogWatch Registered Sites - Howard County**
A map showing all registered FrogWatch sites, with and without observations collected at them.
- FrogWatch Registered Sites of Missouri**
A map showing all registered FrogWatch sites, with and without observations collected at them.
- FrogWatch Registered Sites**
A map showing all registered FrogWatch sites, with and without observations collected at them.



FROG WATCH USA Hi, FrogWatch USA | Sign Out | Help

Map Data | Enter Data | Graph Data

Select a Graph

Create a graph using one of our examples or [start from the beginning](#)

Explore Ecology | Navigate Neighborhoods | Calling Calendars

FrogWatch USA is a field-based program where you use your ears to distinguish among the calls of frogs and toads at wetland sites. However, participation in FrogWatch USA extends beyond the sound-focused field aspects by allowing you to explore and communicate visually the information collected by you and other volunteers, both past and present. This can be done through graphs and charts, as well as maps. To help you get started, FrogWatch USA has created some "starter" graphs designed to answer interesting research questions and guide you through some of the graphing tools available. We encourage you to customize each of these graphs based on your own interests, and to share them with your family and friends and with other FrogWatch USA volunteers.

Get started with these graphs:

- Call Intensity Calendar: Wood Frog Example**
What is the earliest observation of a species reported for FrogWatch USA? Does the likelihood of a species calling in a chorus change throughout the year?
- 2012 Calling Calendar**
Which species were observed by FrogWatch USA volunteers in 2012? How did 2012 compare to other years?
- Species Calling by State: Michigan Example**
When do different frogs and toads call in my state? How does the calling composition change across different months? How do my observations compare with the observations of others in my state?

My Saved Graphs

- Species Heard in Maryland
- Species Heard in Maryland
- Species Habitat Use in Eastern Toad
- Calling Calendar for Texas

New to Fieldscope?

Learn About Creating a Graph

Watch & Explore
Watch our tutorial about our powerful analysis tool which allows you to explore the project data.

Shared Project Graphs

What's happening in the field? Explore other project members' analysis.

- Species' Range of Impermeability Tolerance**
How do species react to different amounts of impermeability (e.g. paved streets, sidewalks, and rooftops)? Are some species more sensitive to high impermeability than others?
- Observations by State and Species**
- Calendar**
- Observations by Air Temperature (degF) and Species**
Comparing Bullfrog and Toad Observations by Air Temperature
- Species Habitat Use: American Toad Example**
Where can I expect to find this species? Does this species prefer drier or wetter habitats? Do two species share similar habitats? Suits. Use the ...



FROG WATCH USA

Questions???



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