



# Instruction manual



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# How to Deploy a Temperature Logger

Thanks for joining in, it's super simple! Let's go step by step:

## 1. Pick a Spot:

Choose a safe place **over 1 meter deep, away from boats**, and where you can securely tie the logger.

## 2. Take a Picture:

Take a picture of the logger **at the deployment site**, this helps track when and where it was placed.

📷 *Please share this with us!*

## 3. Secure the Logger:

Tie it firmly with a **knot**, then use the **cable tie** to keep it extra secure.

📺 Prefer a video? [https://pansch-research.com/?page\\_id=1769](https://pansch-research.com/?page_id=1769)



If you have issues, please reach out:

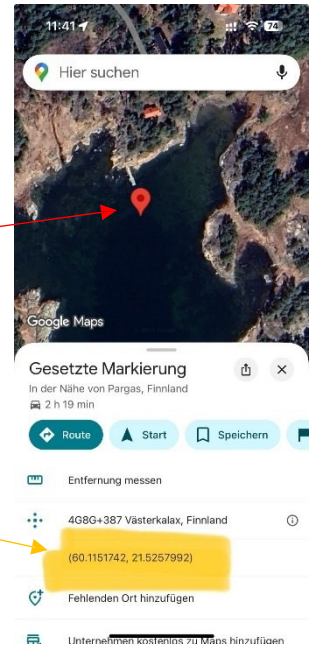
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# Taking GPS coordinates on a Mobile Phone

1. **Open the Google Maps app.**
2. **Find the location:**  
Use the search bar to type in a location or zoom in manually on the map.
3. **Drop a pin:**  
Tap and **hold your finger** on the spot on the map. A red pin will appear.
4. **Get the coordinates:**  
The coordinates will appear in the **search bar** at the top or in a **pop-up box** at the bottom of the screen.
5. **Copy the coordinates:**  
Tap on the coordinates to open more details and then **tap and hold** to copy them.



**Alternative take a screenshot.**

6. **Share the coordinates:**  
Please send the coordinates [through this form](#) ( or to me per email/SMS/whatsapp), including the number of your logger 😊

## **CONTACT Details:**

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# Taking GPS coordinates on a Desktop (Laptop or PC)

## 1. Open Google Maps:

Go to <https://maps.google.com>

## 2. Find your location:

Type an address or place name into the search bar and press **Enter**.

## 3. Drop a pin:

**left-click directly** on that location.

## 4. Click on the coordinates:

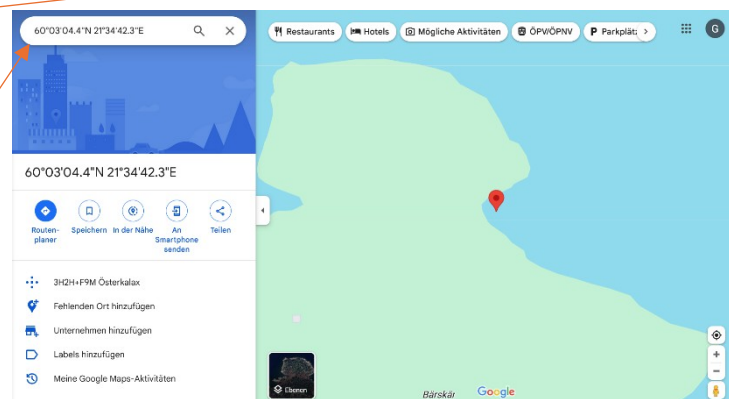
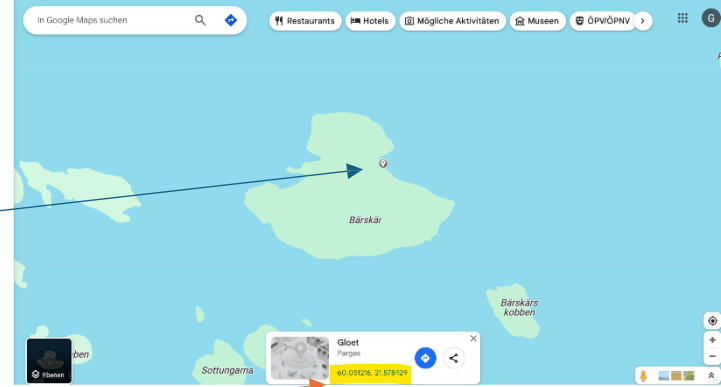
- After left-clicking, a small menu appears- a set of numbers like 60.4518, 22.2666 — **these are the GPS coordinates**.
- Click on them, and they'll appear in the search bar at the top.

## 5. Copy the coordinates:

You can now copy them from the search bar or from the left panel.

## 6. Share the coordinates:

Please send the coordinates [through this form](#) ( or email/ sms/ whatsapp), including the number of your logger 😊



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# How to Return the Temperature Logger

Thanks for helping us collect valuable data! Here's how to send the logger back:

**1. Take the logger out of the water:**

Hold it in your hands or place it somewhere **safe** (like the pier) so it doesn't fall back in.

**2. Remove the attachment:**

**3. Cut the cable tie and untie the knot.**

**4. Document – Take a photo**

 Please share this with us!

*It helps us document the deployment and recovery of the logger.*

**5. No need to clean**

There is no need to clean the logger.

Please only cut off the float and rope from the logger. You are welcome to reuse them for something else or dispose of them if you prefer.

**6. Pack it up**

Place the logger into the ziplock bag and seal it carefully.

**7. Prepare for mailing**

Put the sealed ziplock bag into the pre-addressed, stamped envelope (already provided), together with the registration form (**Alternatively, you may register your [logger online.](#)**)

Close the envelope securely.

**8. Send it back**

*Drop the envelope off at your nearest post box.*

Register your Logger:



Please Register your logger (online or by filling this form), so we know where the logger you receive was placed in the water and for how long. This information is essential, without it, the logger data cannot be used.



NAME \_\_\_\_\_  
EMAIL \_\_\_\_\_  
LOGGER\_NUMBER: \_\_\_\_\_  
LOGGER\_COORDINATES \_\_\_\_\_

LOGGER into WATER\_ \_\_\_\_\_  
DATE: \_\_\_\_\_  
TIME: \_\_\_\_\_

LOGGER out of WATER\_ \_\_\_\_\_  
DATE: \_\_\_\_\_  
TIME: \_\_\_\_\_

I agree to be part of a mailing list and be contacted with information regarding the project.  
SIGNATURE \_\_\_\_\_

**Thank you!**

**We will get back to you with a plot of the data you collected.**

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[www.abo.fi/sos](http://www.abo.fi/sos)

