

# Hydrophones

Our hydrophones are a powerful tool for figuring out where we are in the water. Using 4 hydrophones, we can calculate our bearing to the pinger. For details, see [Pinger Bearing](#).

## Testing Procedure

Materials:

```
1 tub of water  
1 pinger  
Hydrophone Test Rig
```

Test Rig: Pinger at one end of tub hydrophones at other end of tub If lots of noise in readings observed, can place towels around tub

Procedure:

```
1- ssh into the sub  
2- roslaunch robosub cobalt.launch  
3- rosrn robosub pinger_bearing  
4- rostopic echo /hydrophones/bearing  
5- Manipulate hydrophones & Observe bearing readings
```

From:

<https://robosub.eecs.wsu.edu/wiki/> - **Palouse RoboSub Technical Documentation**

Permanent link:

<https://robosub.eecs.wsu.edu/wiki/cs/hydrophones/start?rev=1550806290>

Last update: **2019/02/21 19:31**

