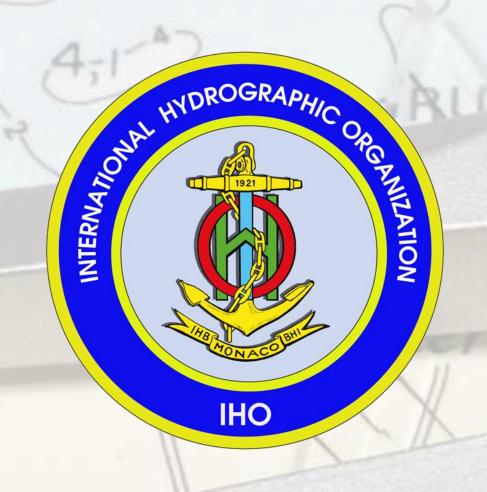


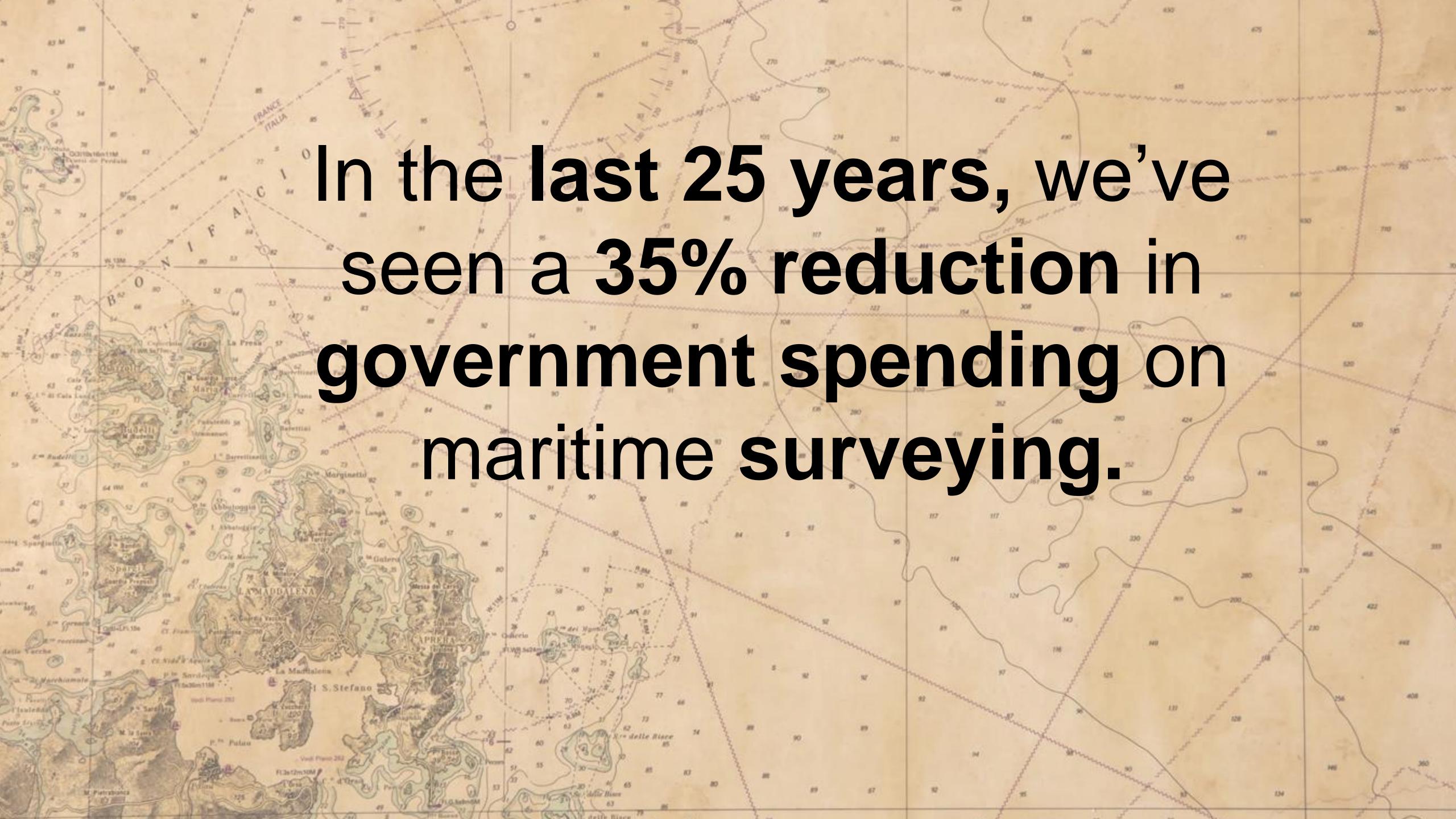


Imperial Trans-Antarctic Expedition MEN WANTED for hazardous journey, small wases, bitter cold, long months of complete darkness, constant danger, safe return doubtful, honor and recognition in case of success. Ernest Shackleton

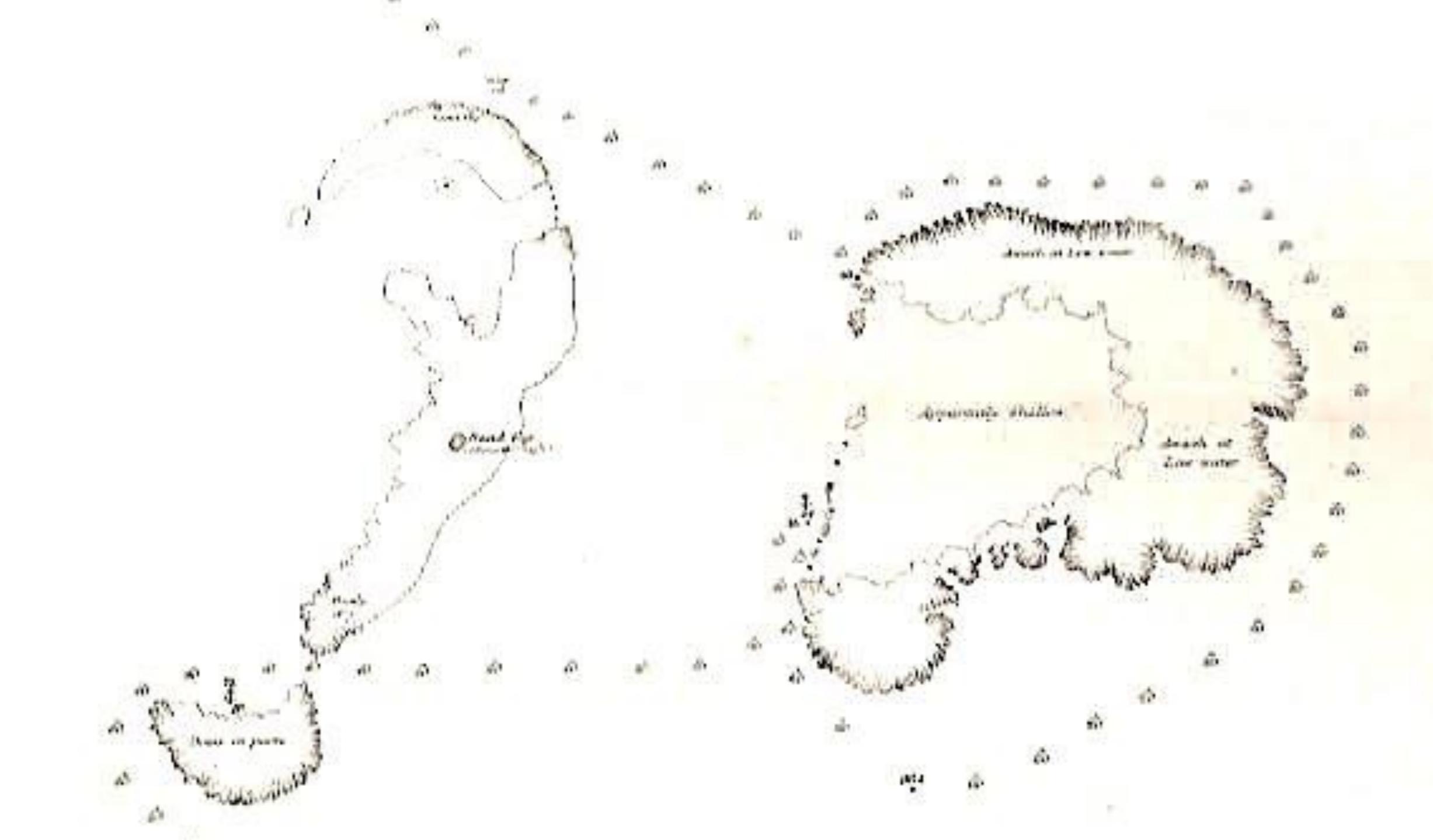


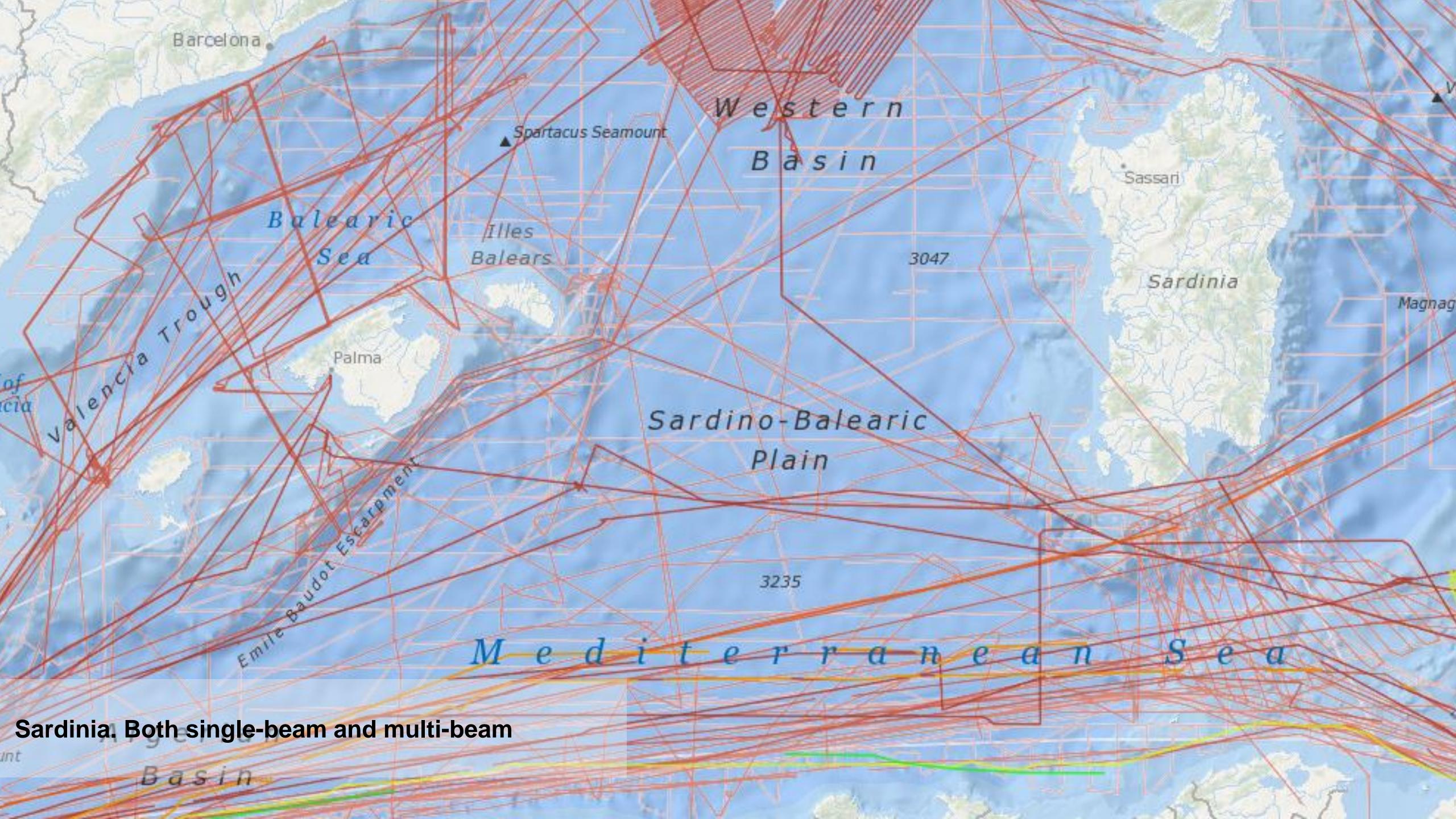
#### Missing data from 0 to 200 meters

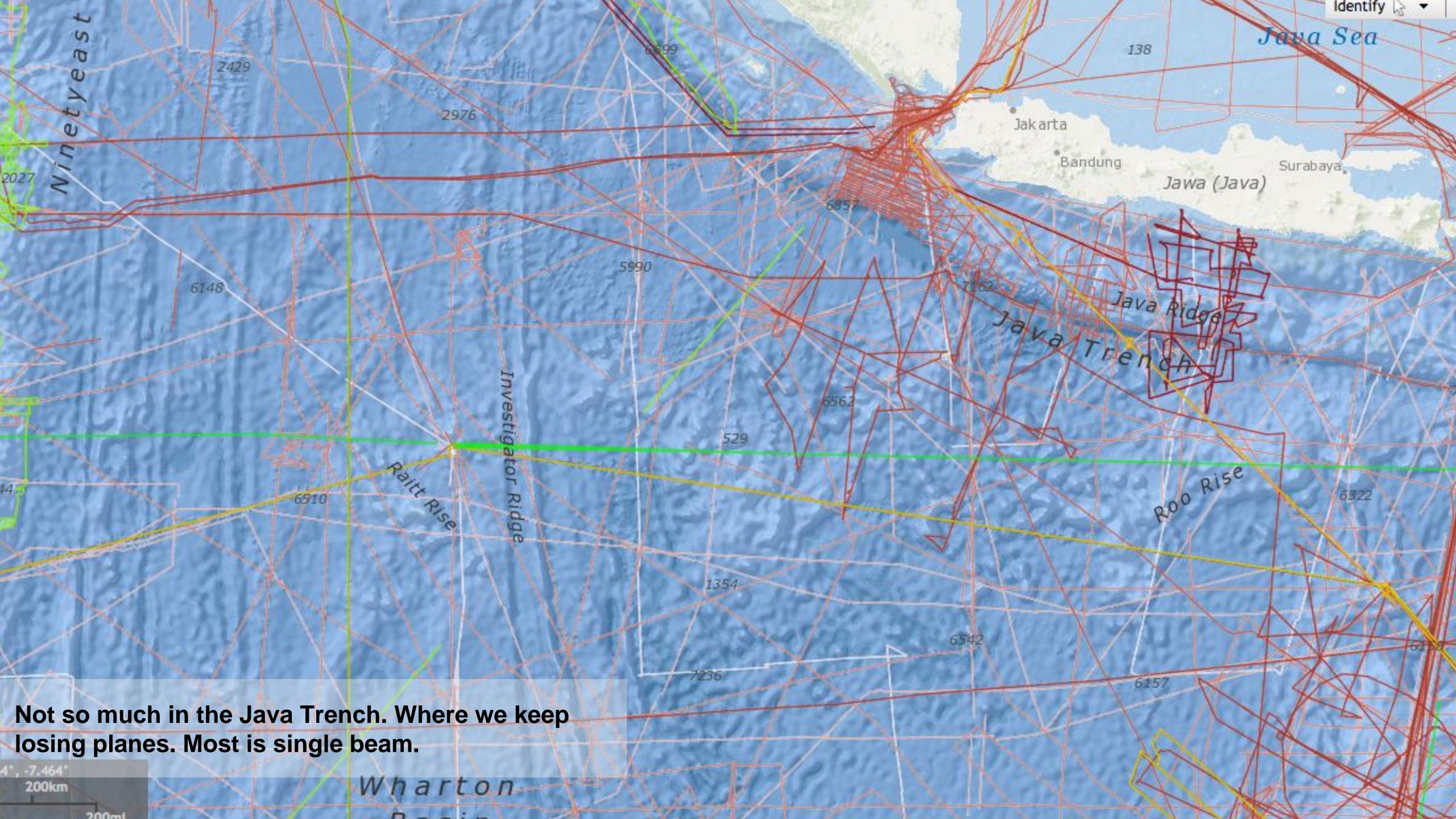
Southwest Pacific	> 95%
Polar regions	> 95%
West Africa	> 80%
Caribbean	> 80%
Australia	3,765%
Greece	65%
United States of America	3 <sub>4</sub> ~ 40%
United Kingdom	30%
France	19%



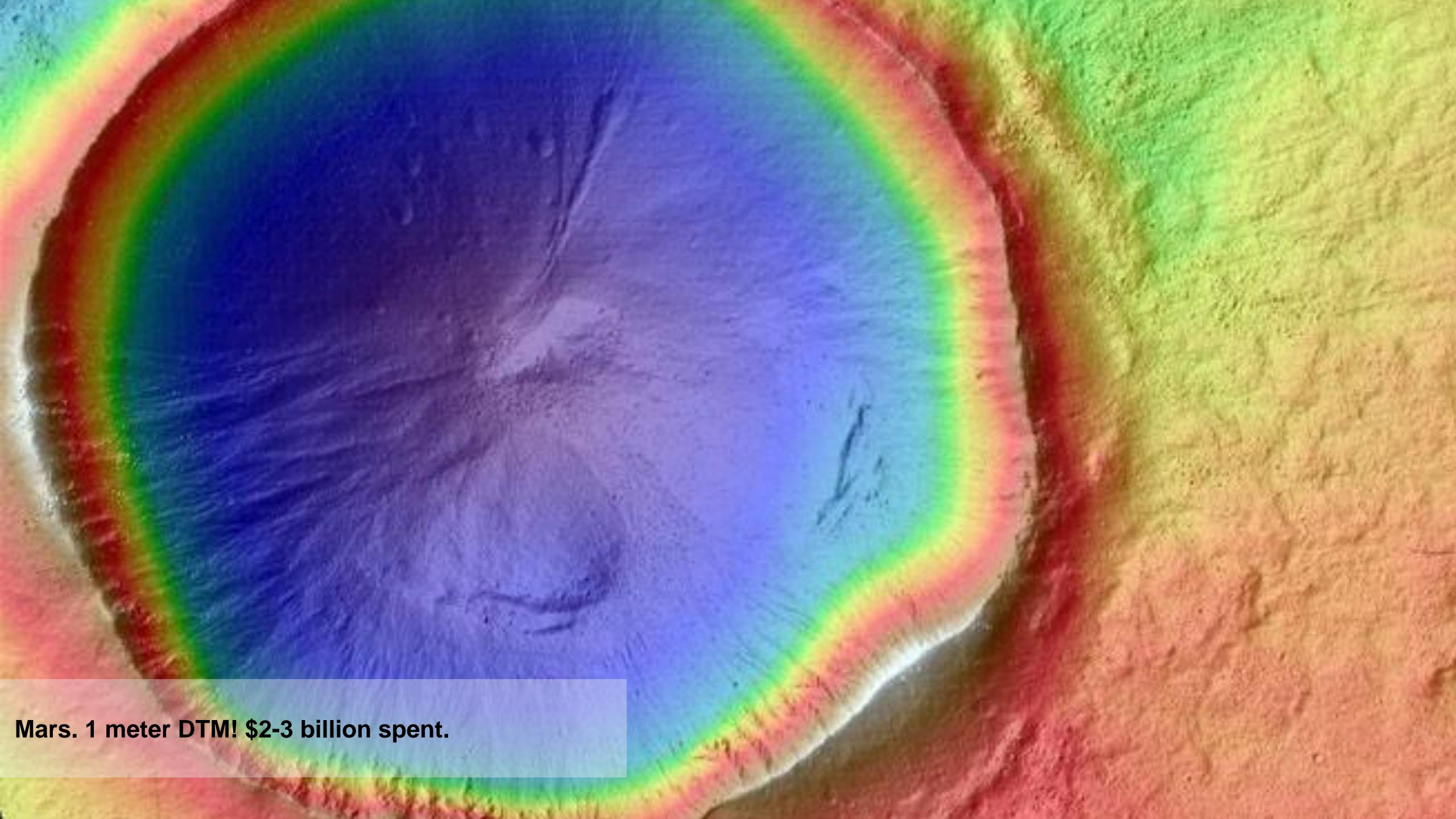








### "We have better maps of the Moon and Mars than of the ocean."

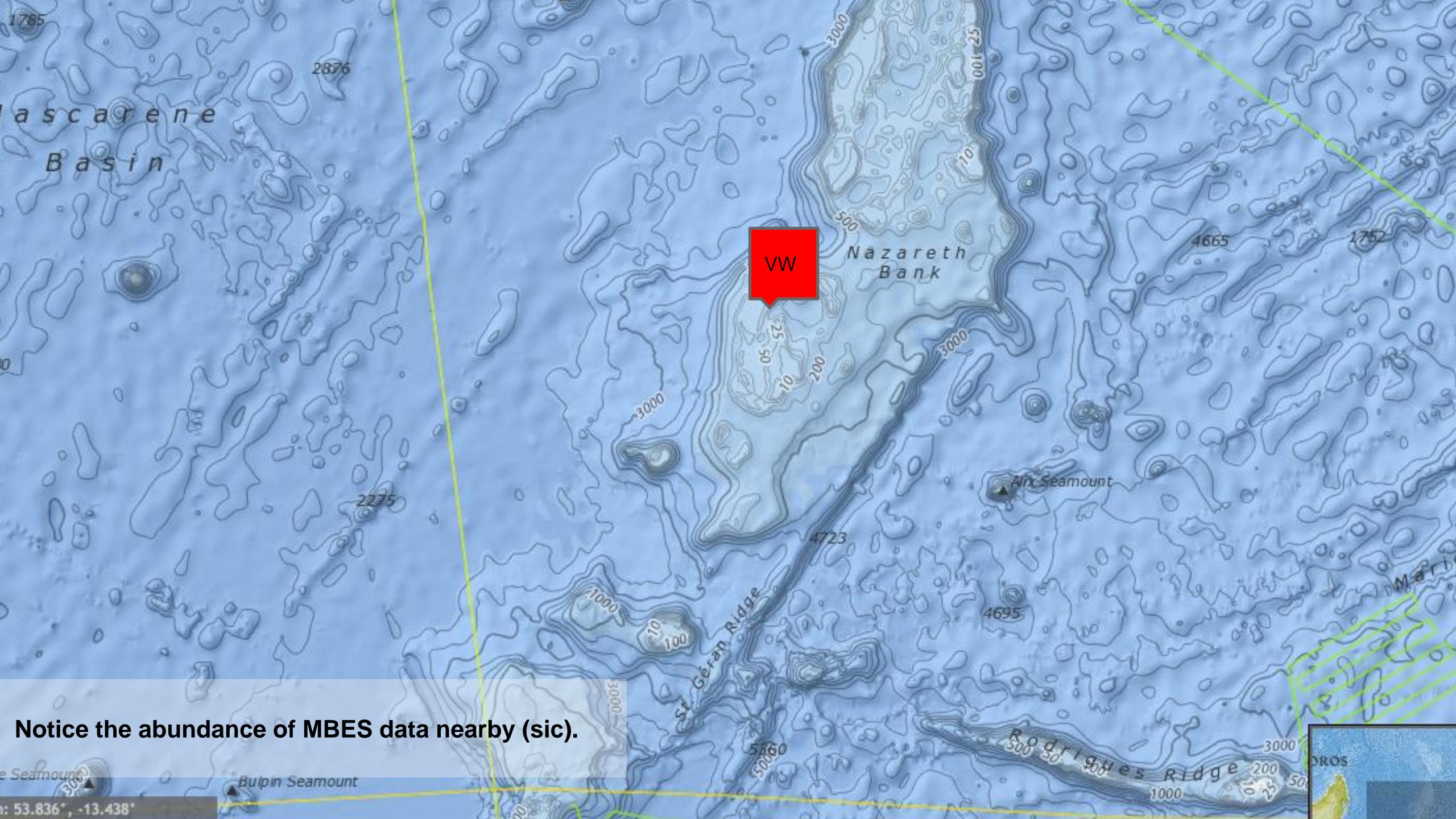


Crowdsourcing represents the act of a company or institution taking a function once performed by employees and outsourcing it to an undefined (and generally large) network of people in the form of an open call.

Jeff Howe, Wired, 2005

### But surely what we've got is good enough, right?



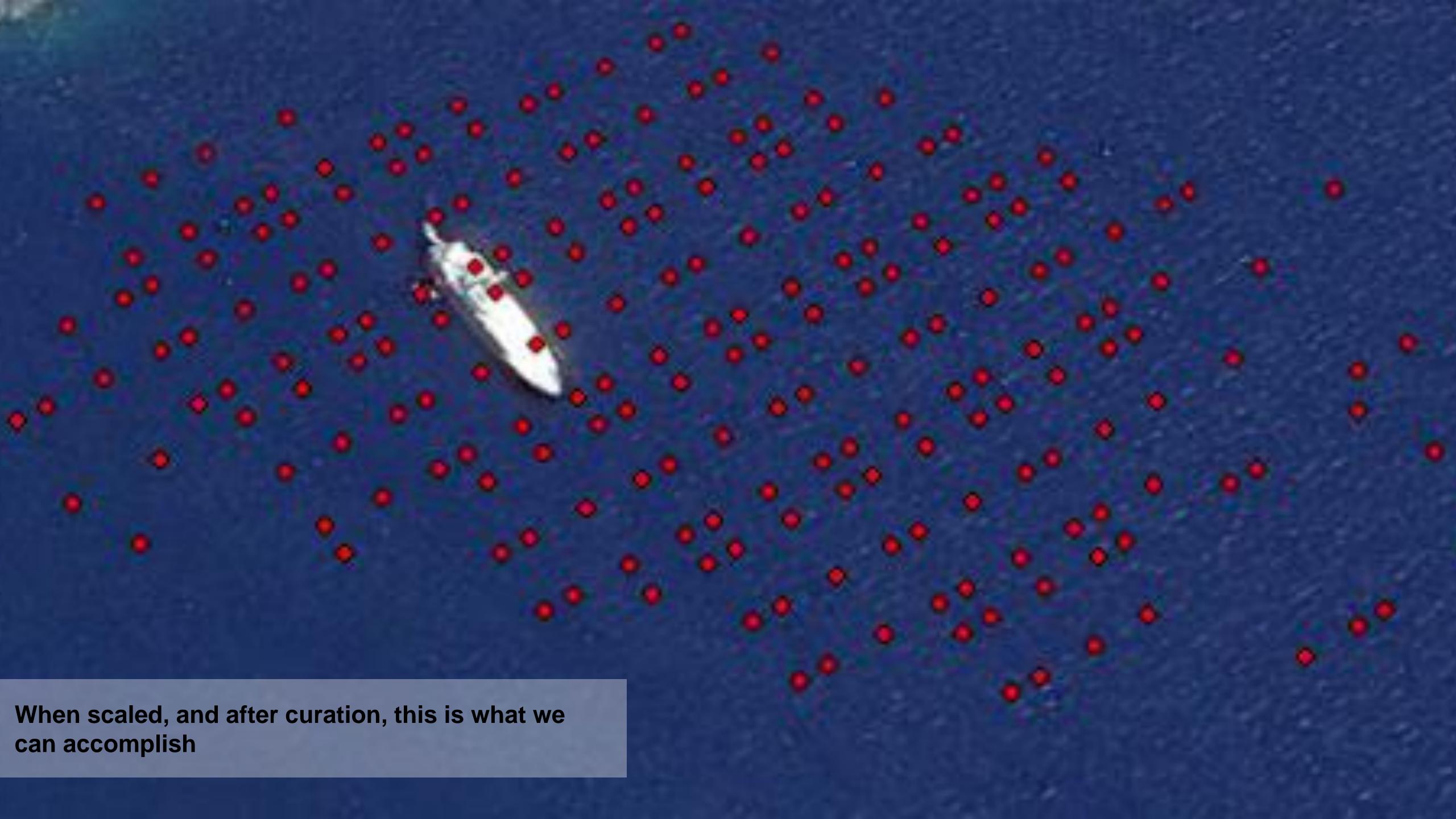


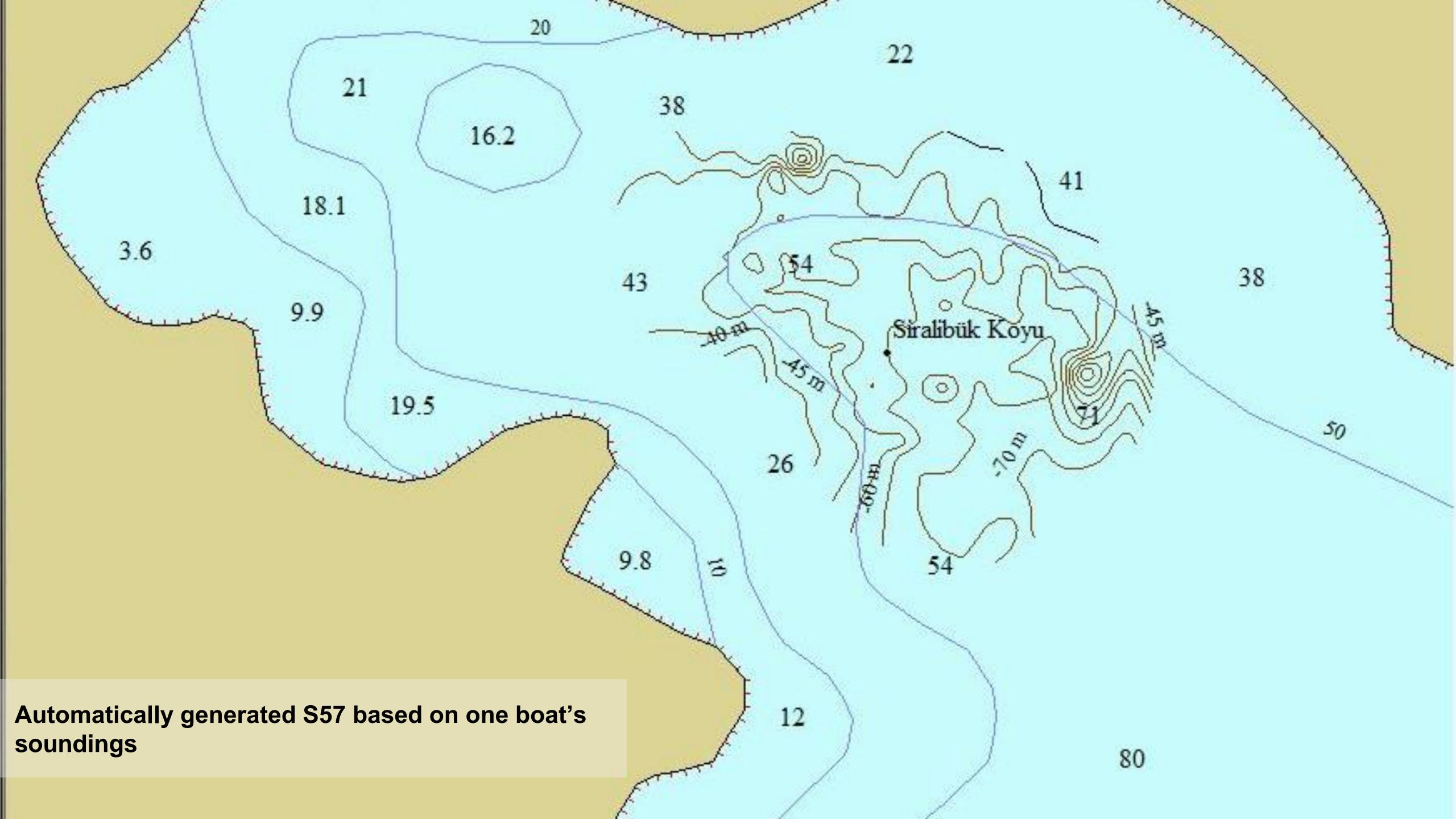
## So what can Crowd Sourcing deliver?

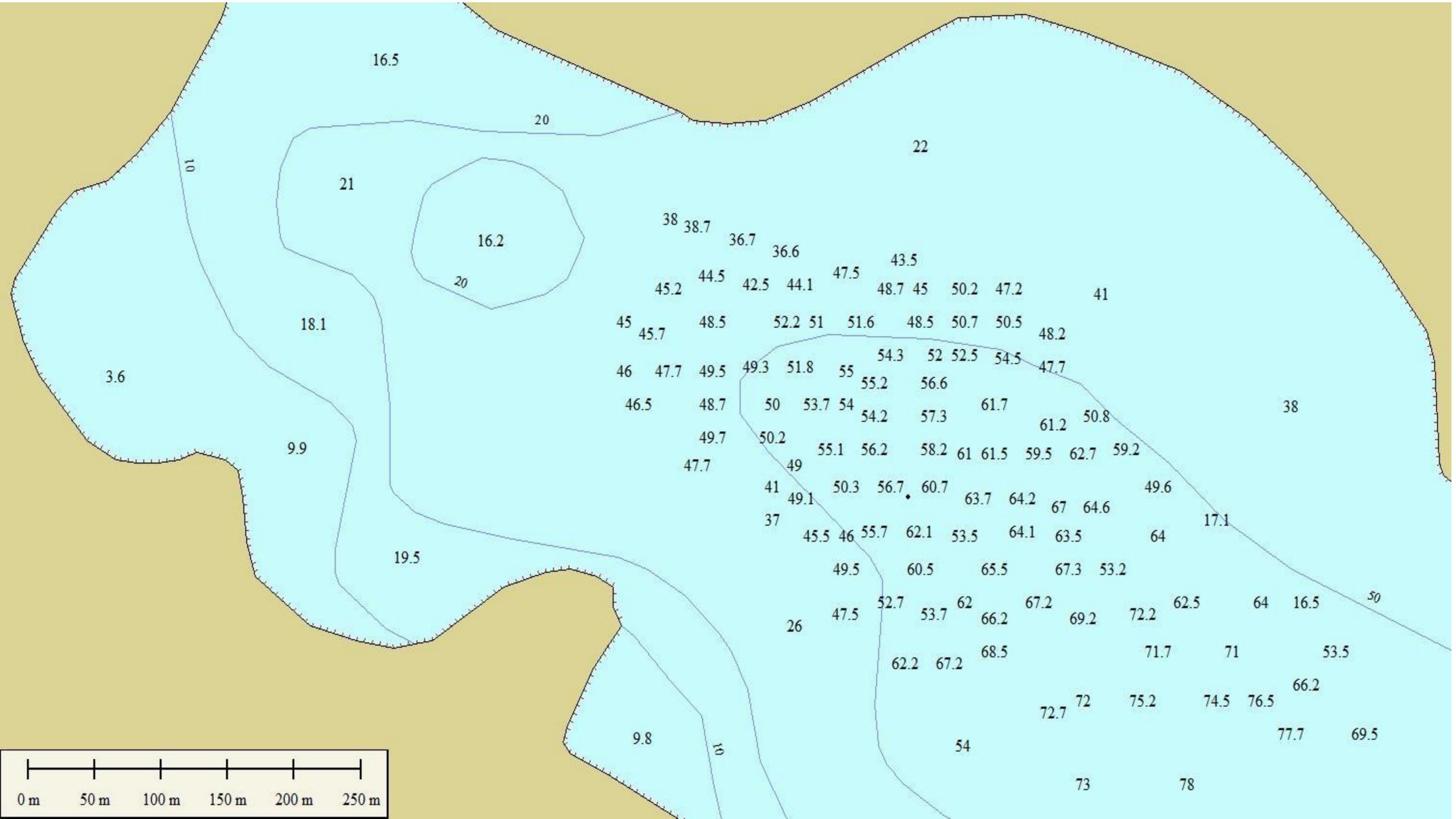


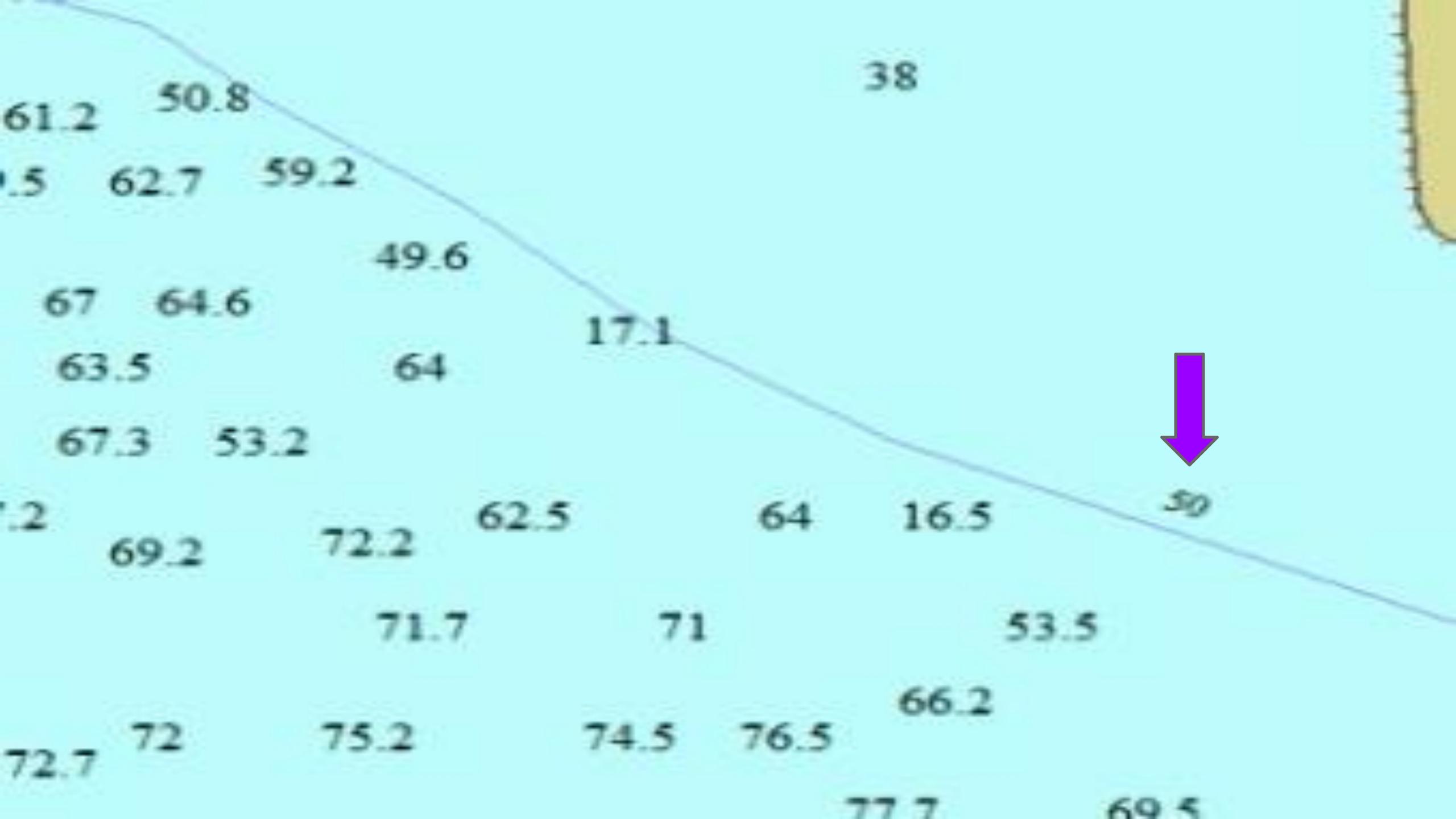
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                    7.88,M,
                              4.3,1
$SDDBT,
                              4.3,F
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$SDDBT,
          26.1,f,
                    7.96,M,
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                    7.88,M,
                              4.3,F
SSDDBT,
          26.0,f,
                    7.92,M,
                              4.3,F
SSDDBT,
          26.1,f,
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                    8.00,M,
                              4.4,F
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                              4.4,F
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                    7.92,M,
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                    7.96,M,
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SSDDBT
$SDDBT, 26.2,f, 8.00,M, 4.4,F
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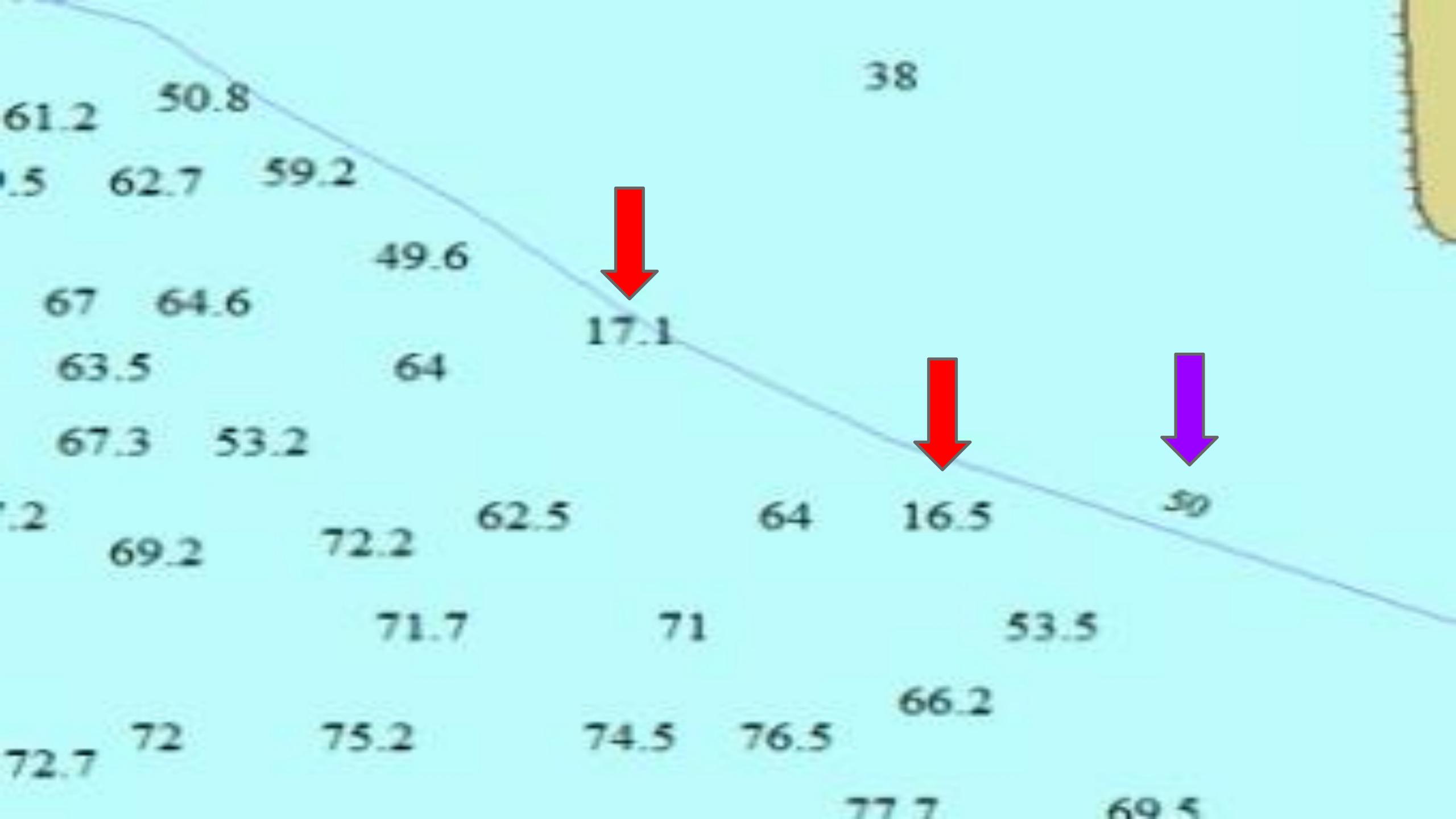


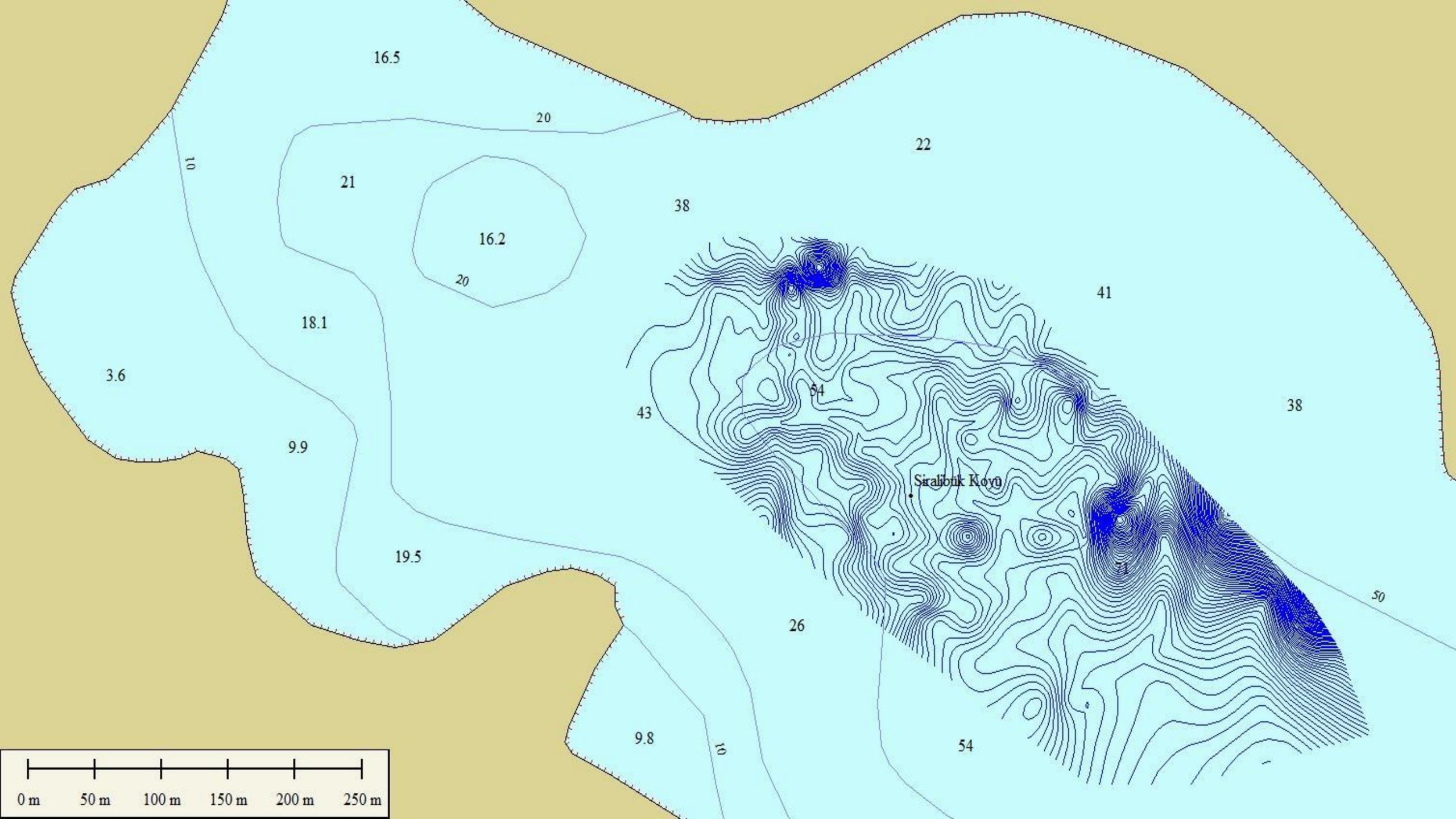








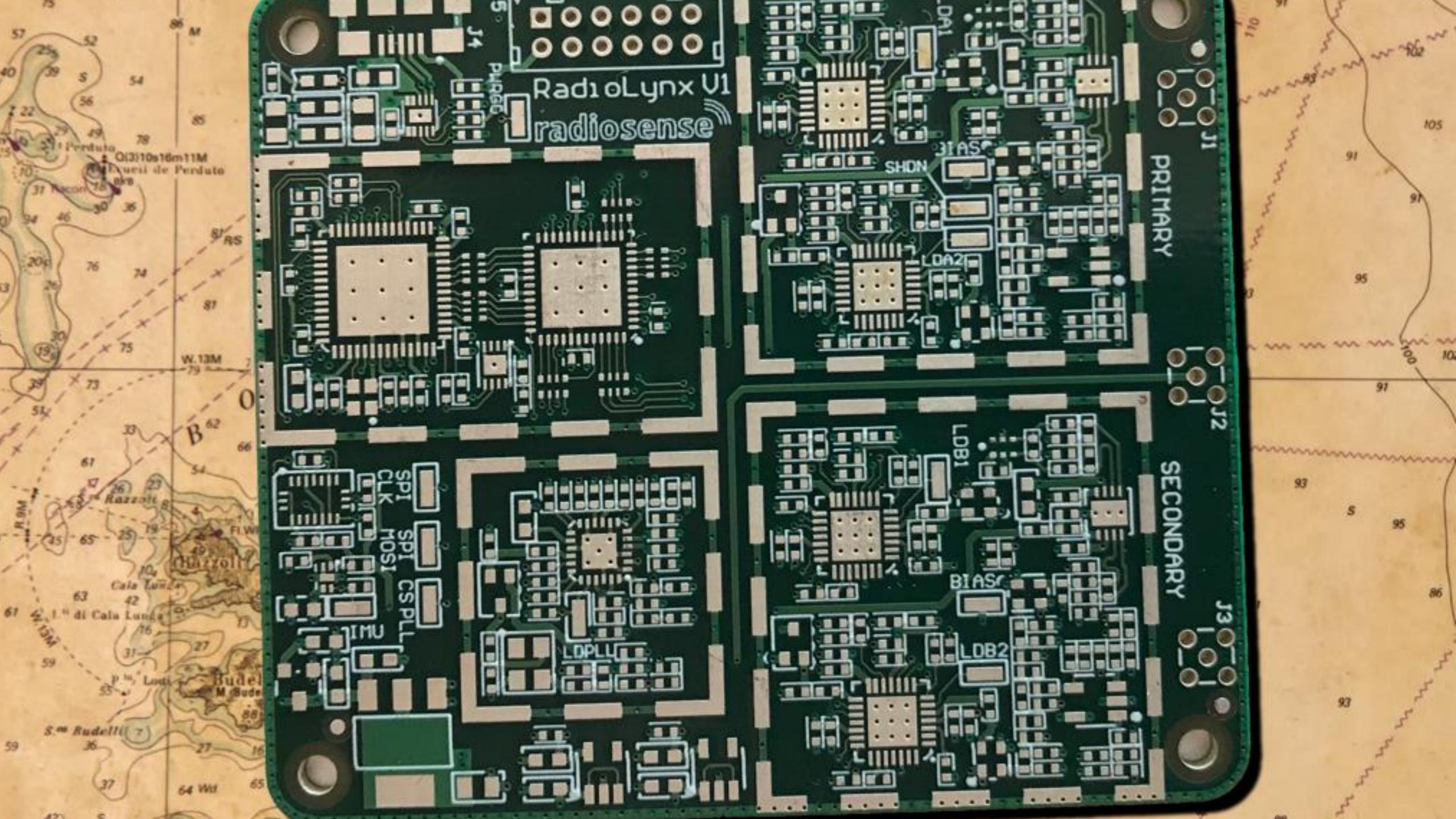




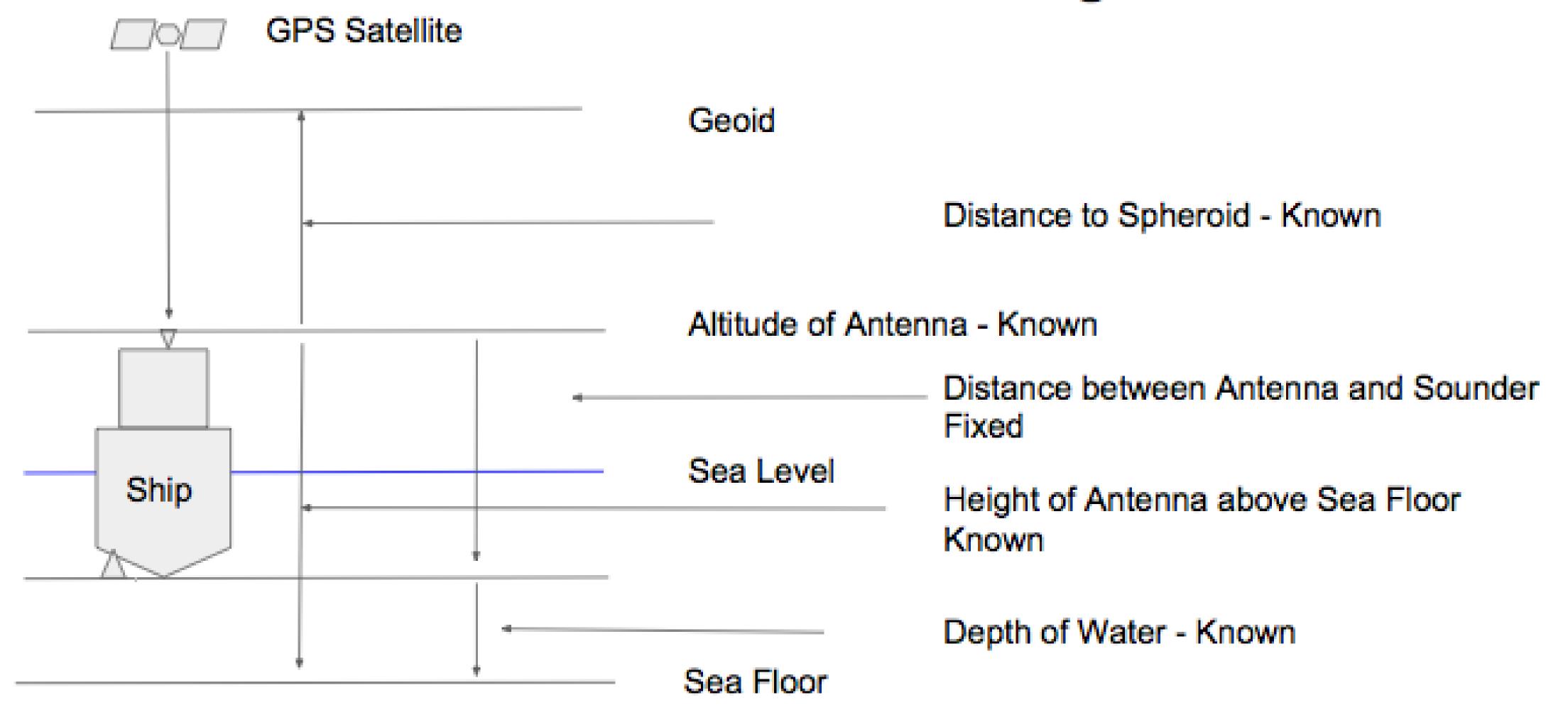
# 6 Yachts 34 million soundings 26000 nautical miles traveled

### The Next Step

### PIECISE Positioning

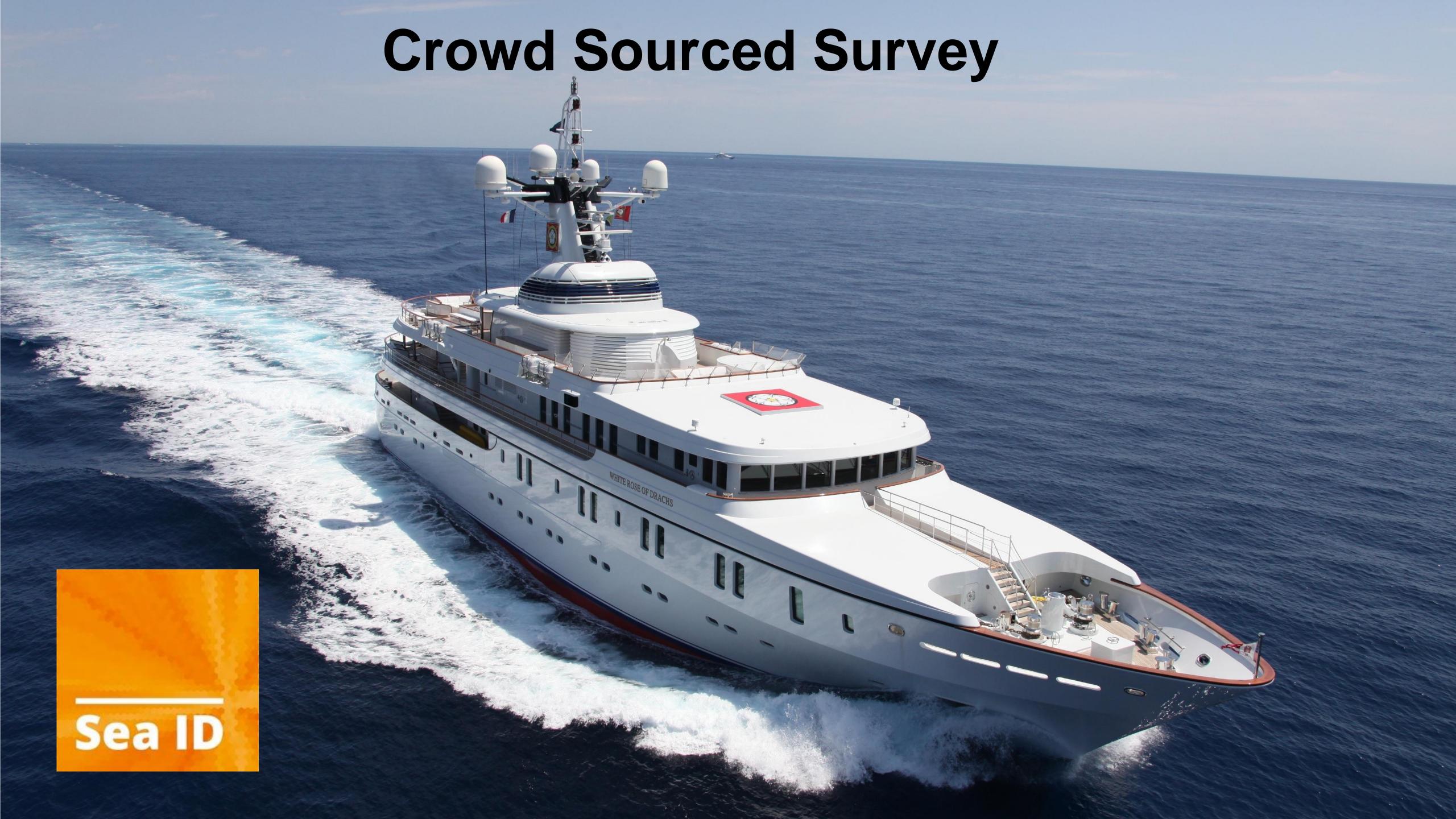


#### Precise Point Positioning



#### Get one of these!











### Navigational Note llegal Survey?

#### Crowd Sourced Bathymetry



Environmental
Ocean Resource Management
Blue Economy
Moral Imperative

