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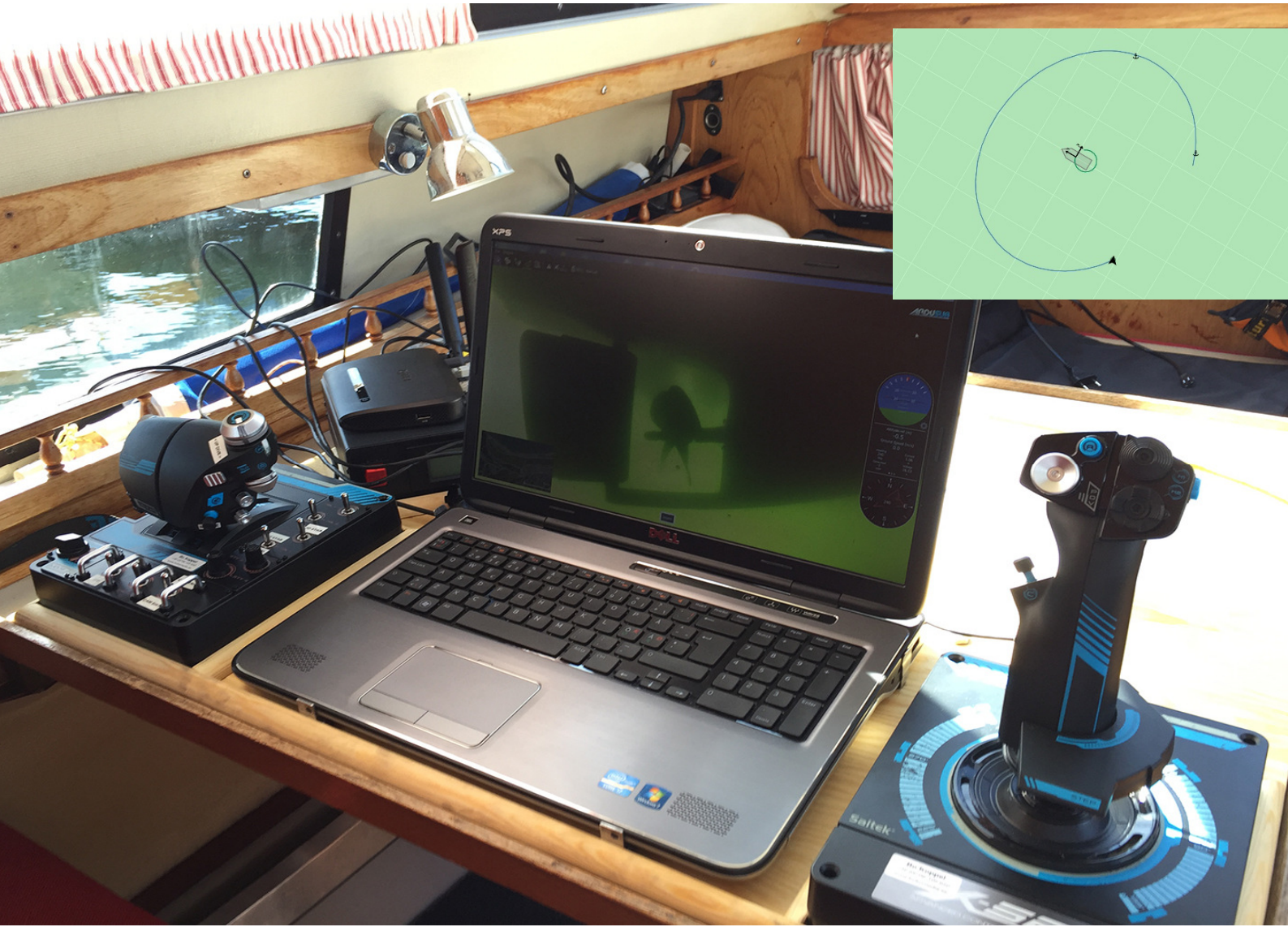
ROV, Remote Operated Vehicle

Surveys, identification, inspection, sampling, recovery, filming
Perfect to investigate Sidescan findings



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Specifikation ROV
Max workdepth 400 meters
Camera Full HD 1080x1920 with recording
Manipulator/gripper
Instruments: Scanning Sonar, INS, Accelerometers, Depthmeter, tempmeter

Underwater positioning, SBL system to position the ROV within 1 meter:
Get position of ROV, Move ROV to position, move ship after ROV

Vectorized power; moves all directions. Usage: Currents, rotation around object
Thruster power 14 kg, Speed over 2 knots
Weight 11 kg, Length 500mm
Lights 2 x 1 500 lumens, with dimmer
Control modes: manual, heading, depth, stabilized
Electric power: 240 V AC from surface, or LiPo acc onboard

ROV clip on Youtube https://youtu.be/-A7jFV_O6kQ

Basic Hydrograhic survey

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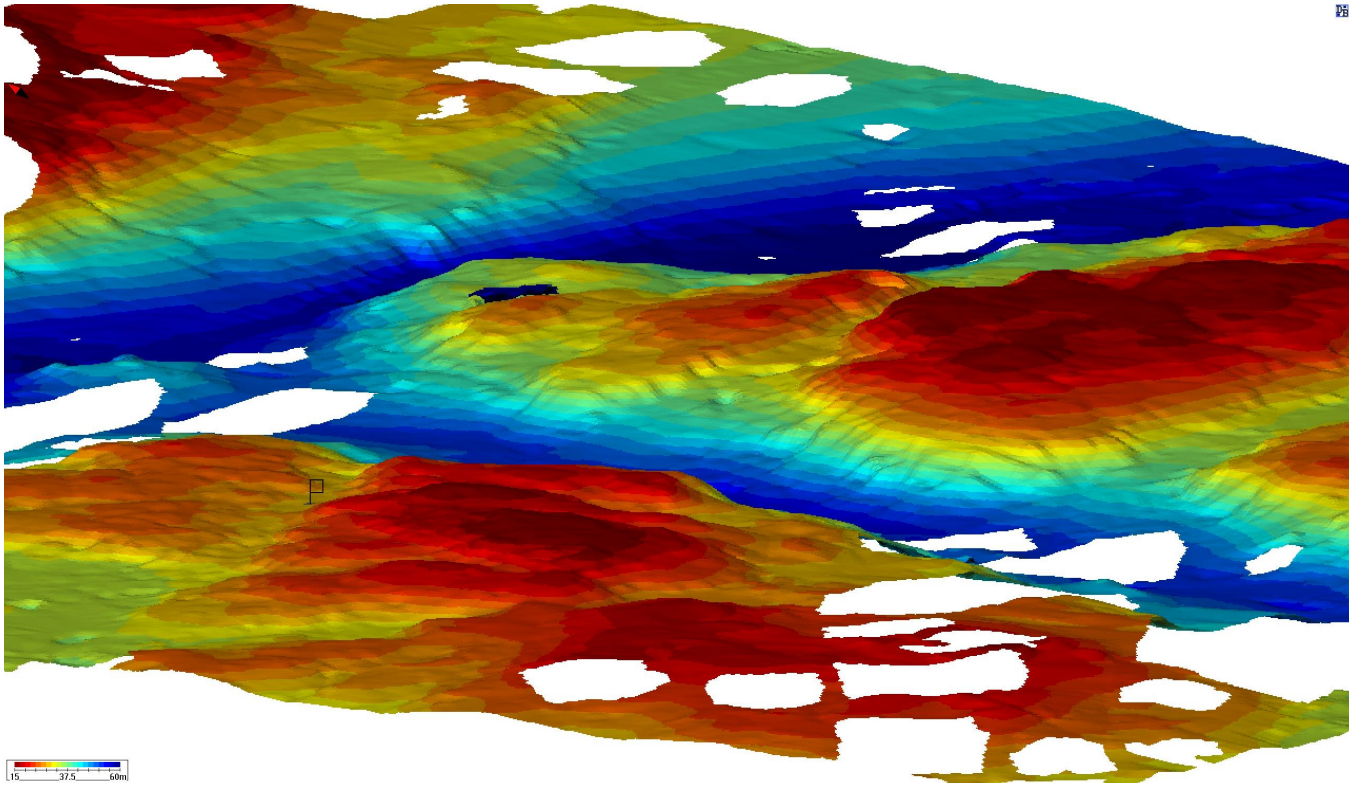

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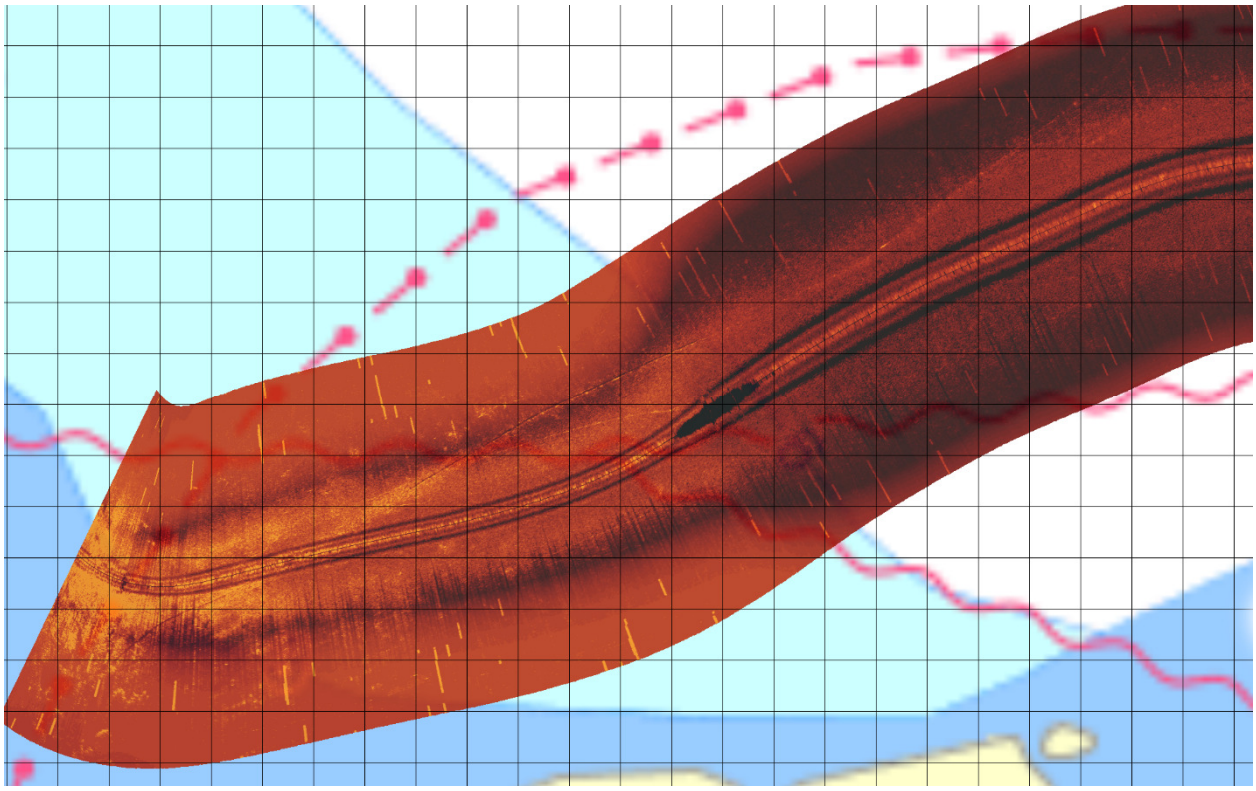
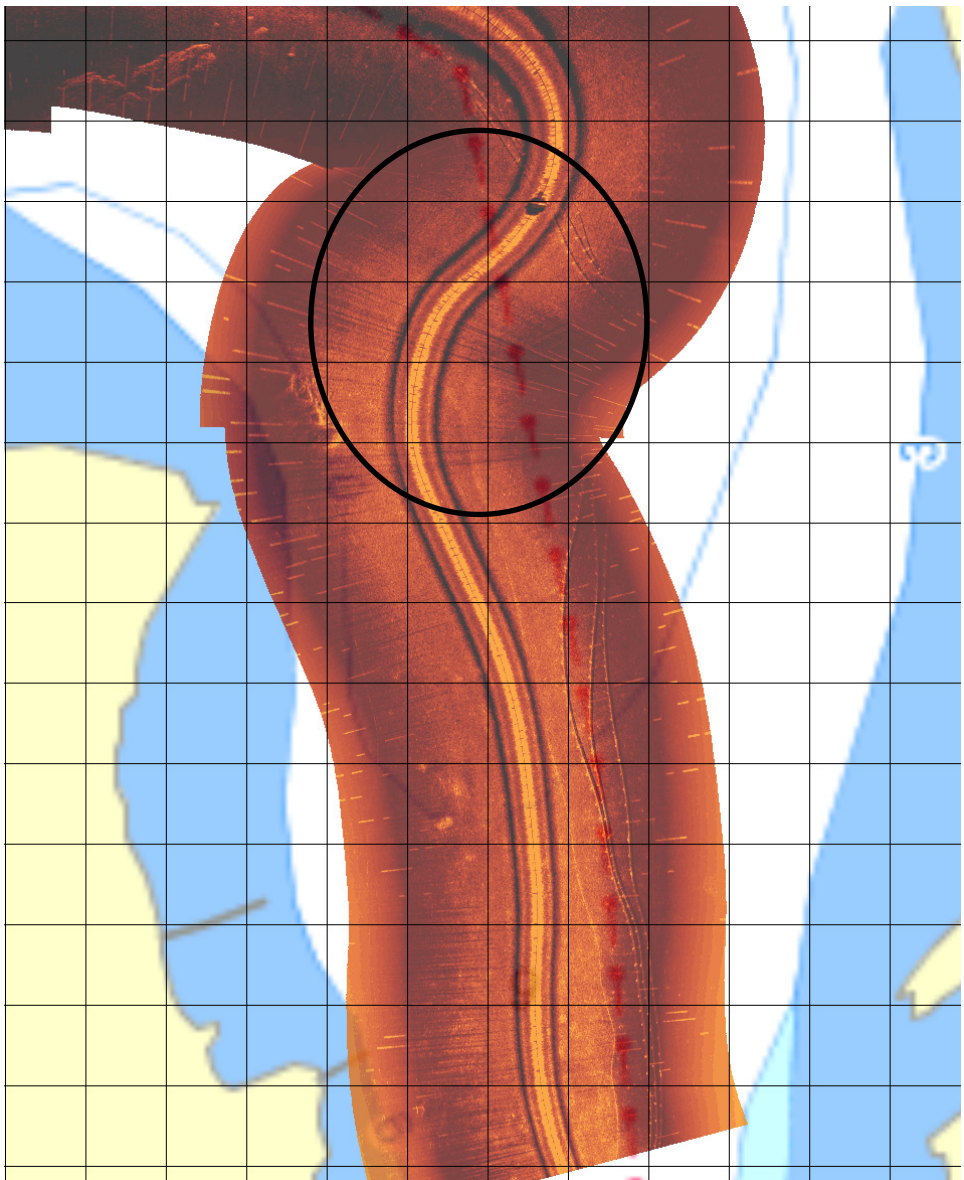
How Sidescan from seabed can look

Pipes is not accurate on navchart:





Quick Eeelgrass survey with Air Drone and ROV

Check with Sidescan, Eelgrass ends where seabed deepens

Verifying with ROV

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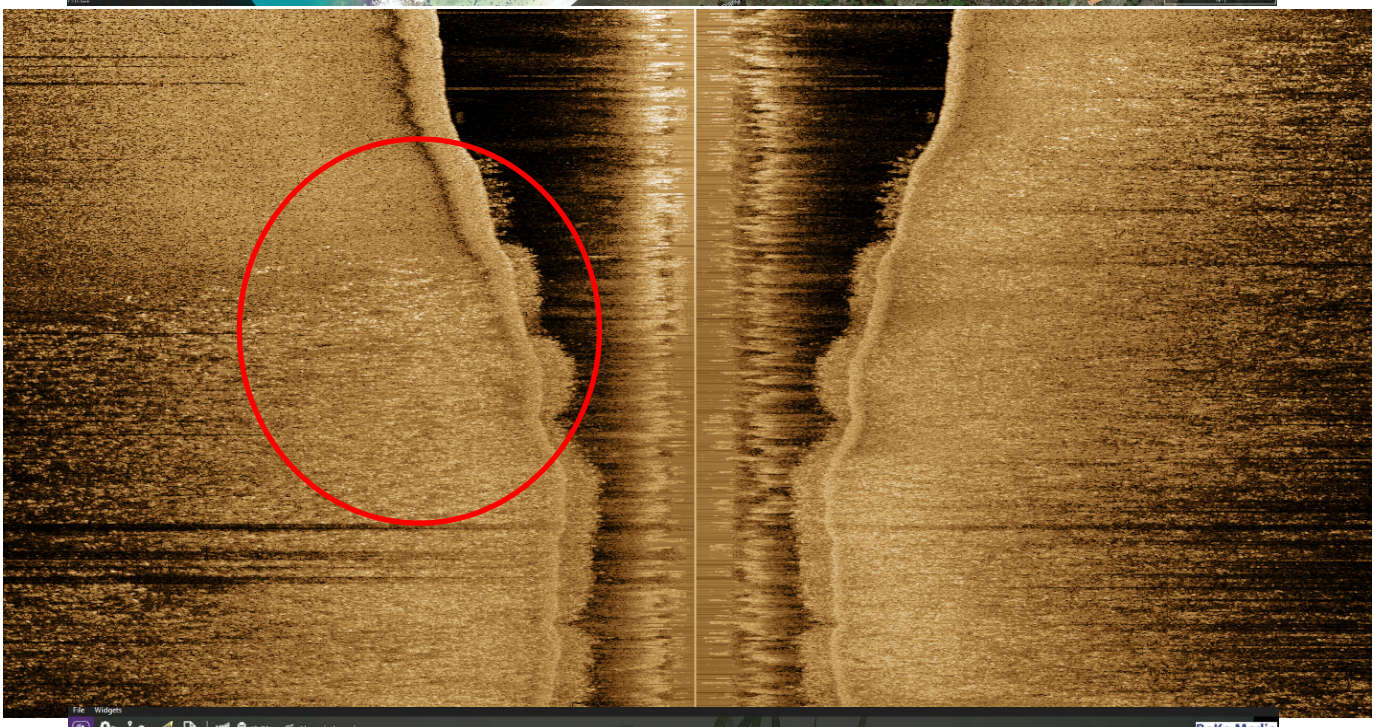

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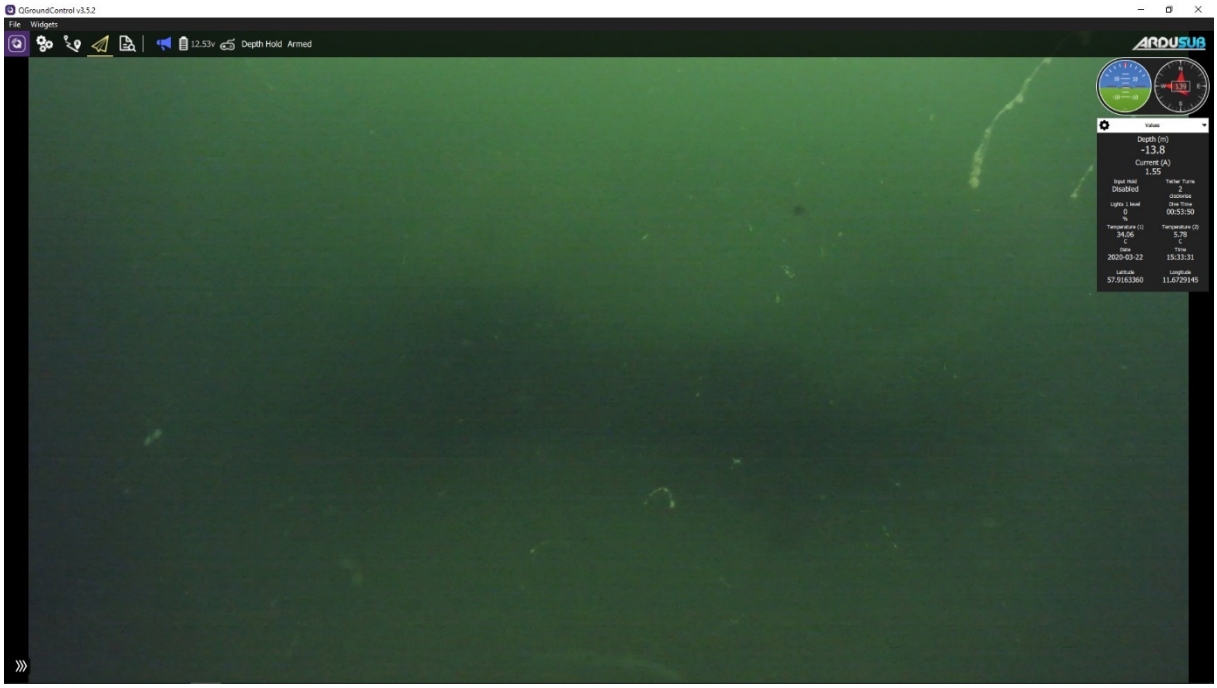
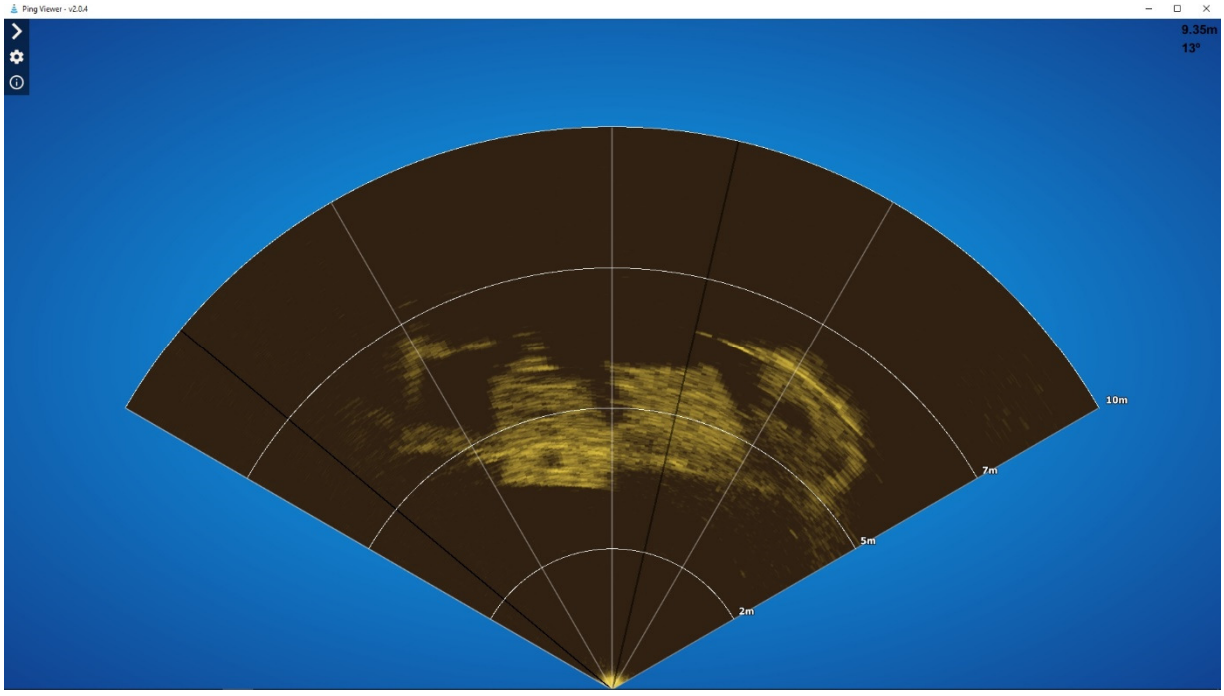
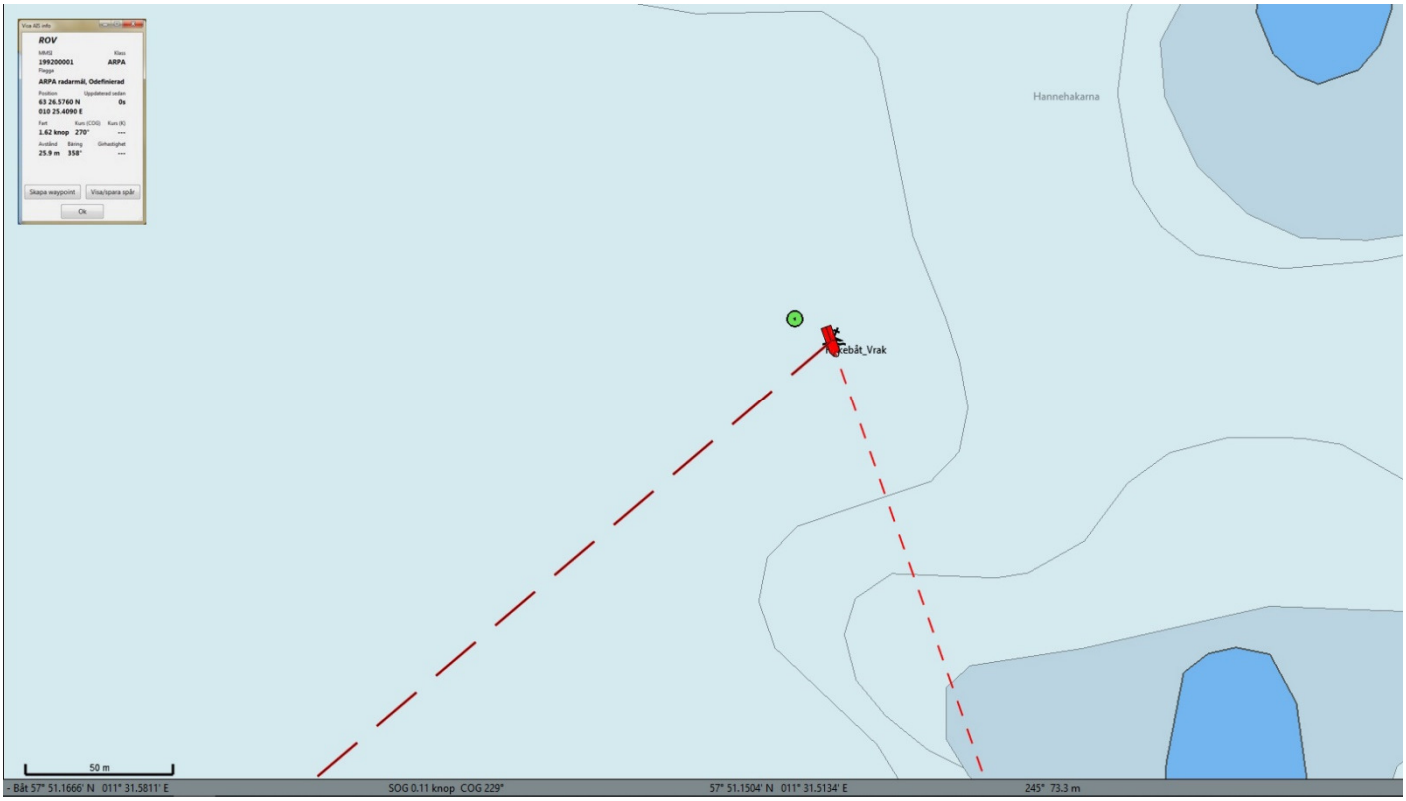
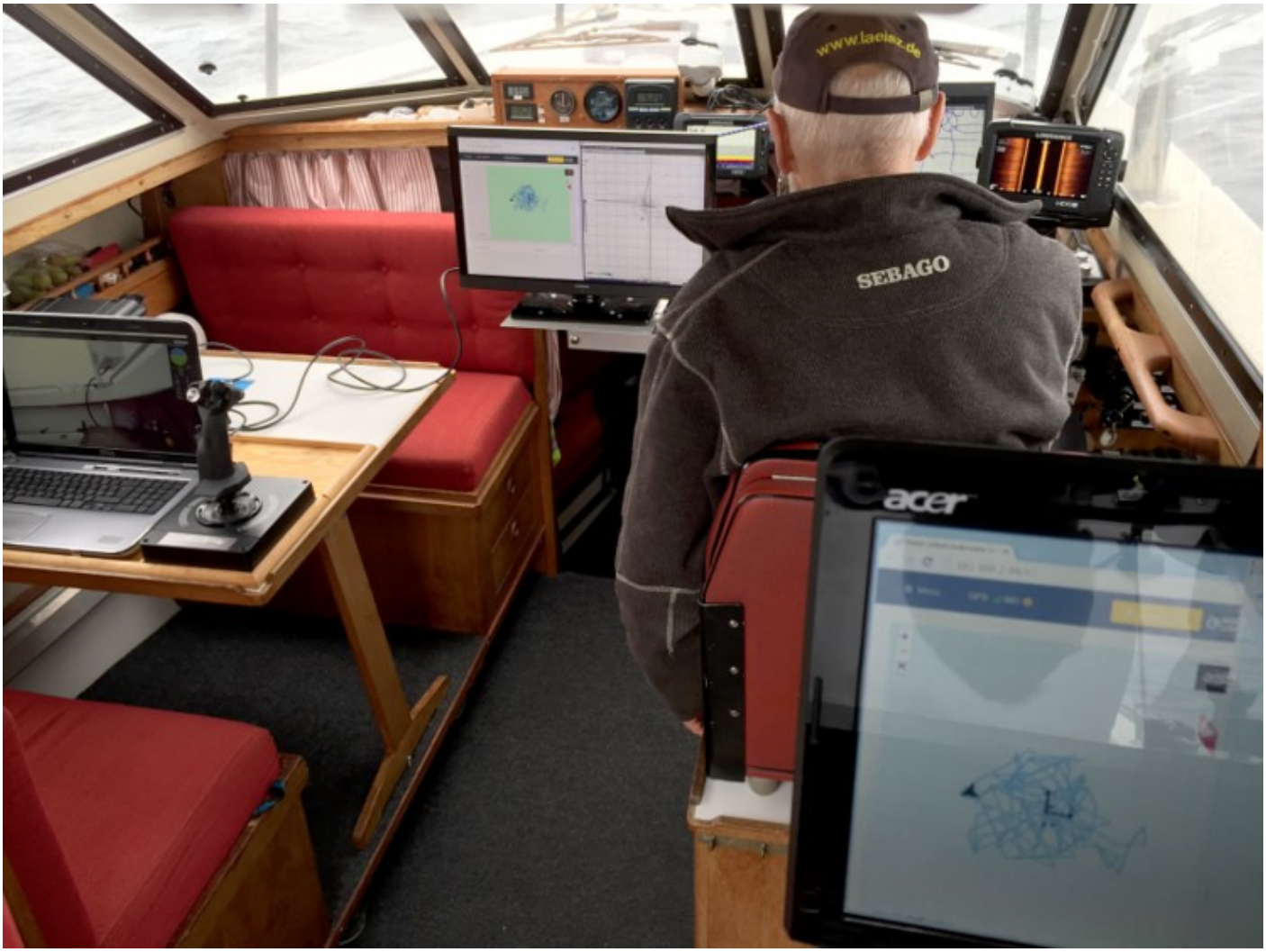
Navigating to object with ROV

In bad visibility sonar is a good help to navigate
In this case to an 8 meter wreck






ROV
Hannehakarna
50 m
SOG 0.11 knop COG 229°
245° 73.3 m


SEBAGO
acer

Steamer sunk in Swedish waters 1940

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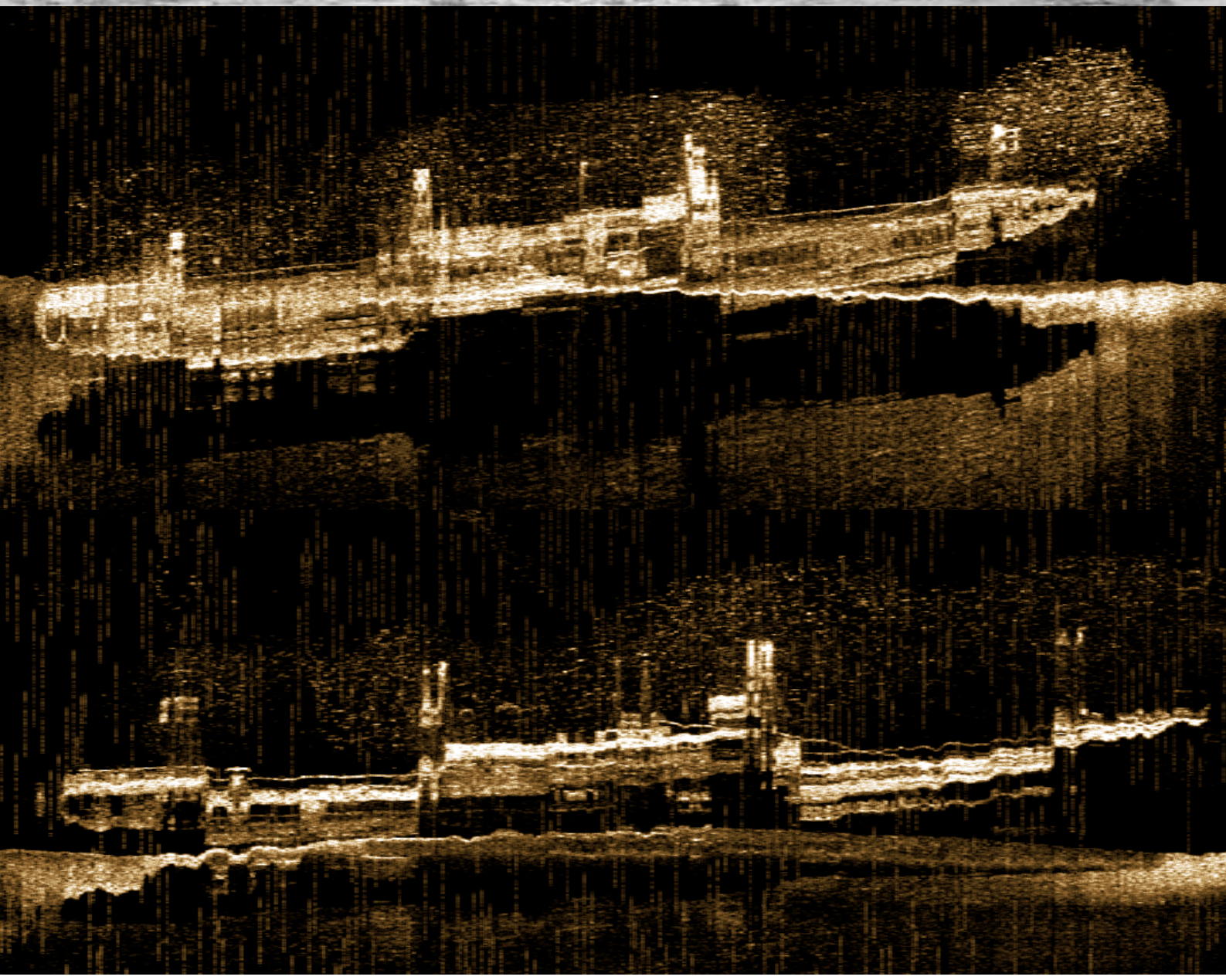

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Picture page above from towfish Sidescan
Picture below hullmounted Lowrance LSS-2 swinger

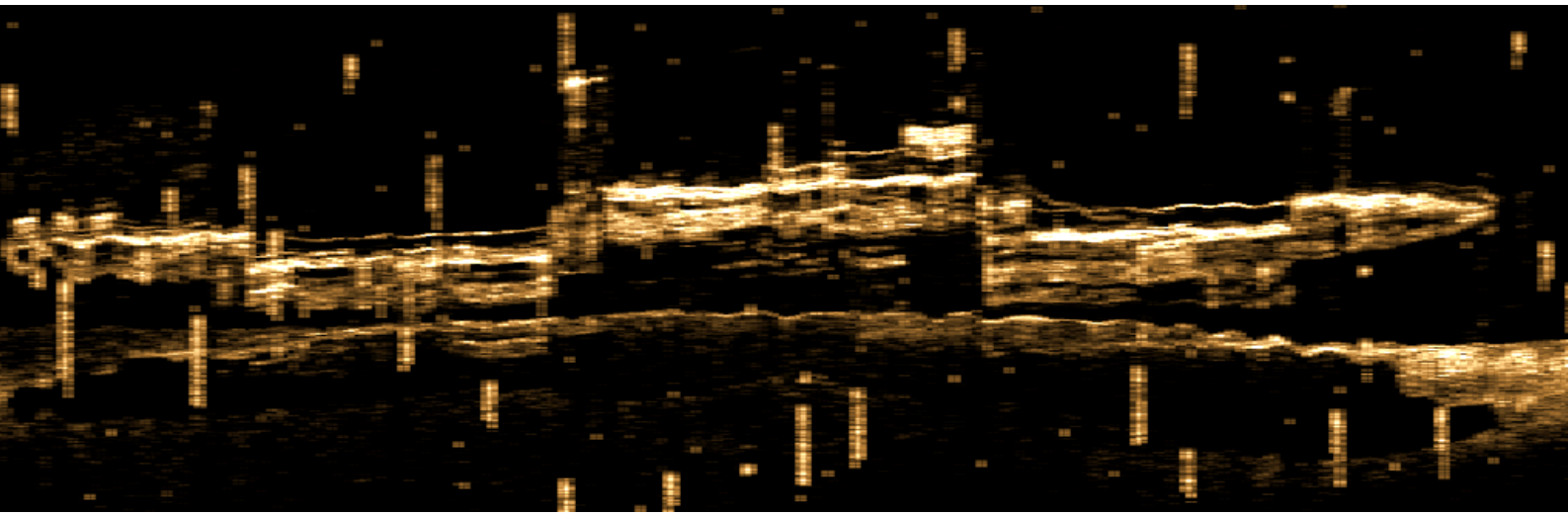
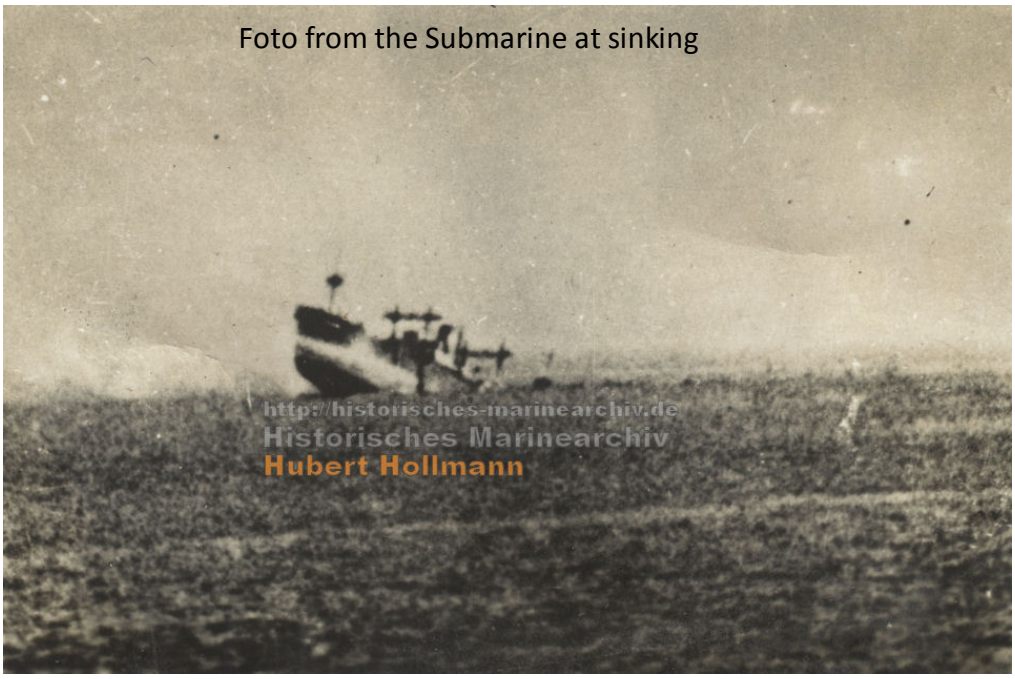
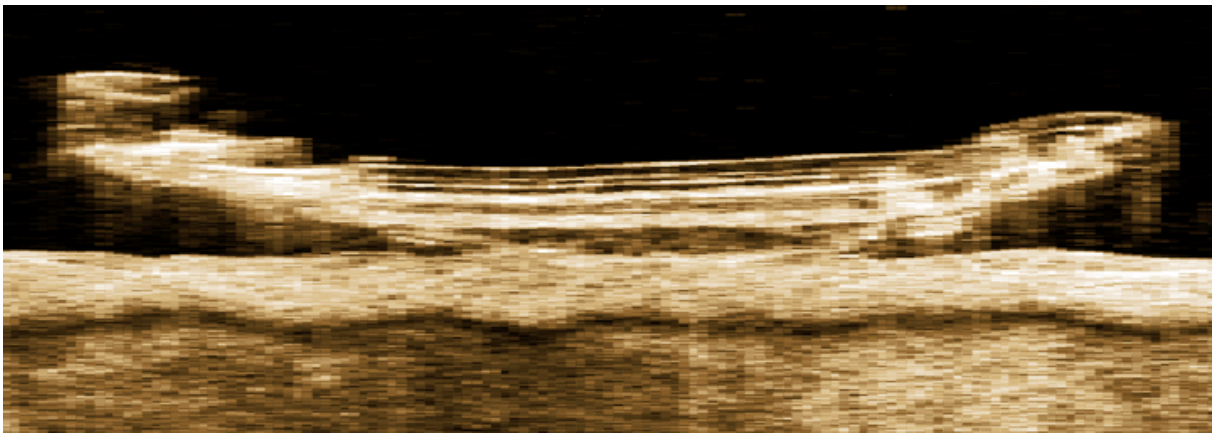
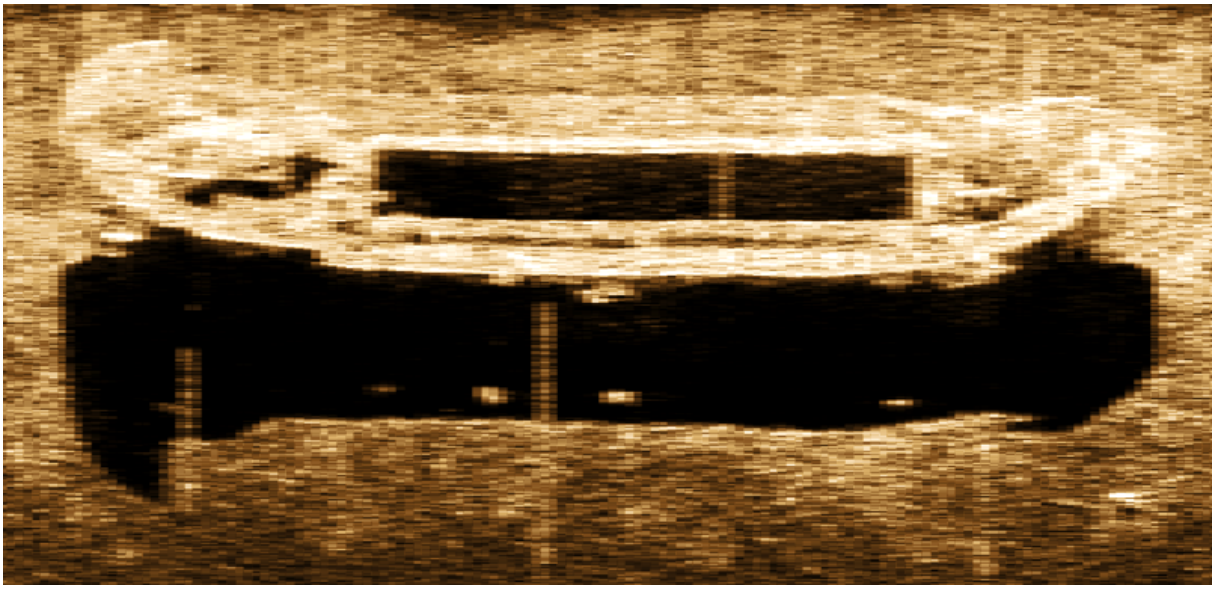


Foto from the Submarine at sinking

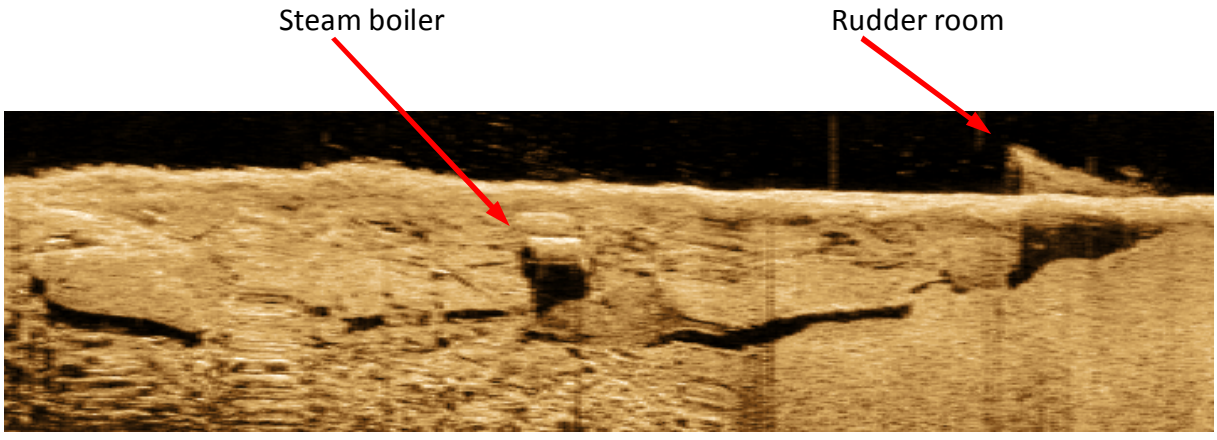


Wreck Denia NO Rörö, 17 meters depth
Sank 1967 loaded with paper pulp

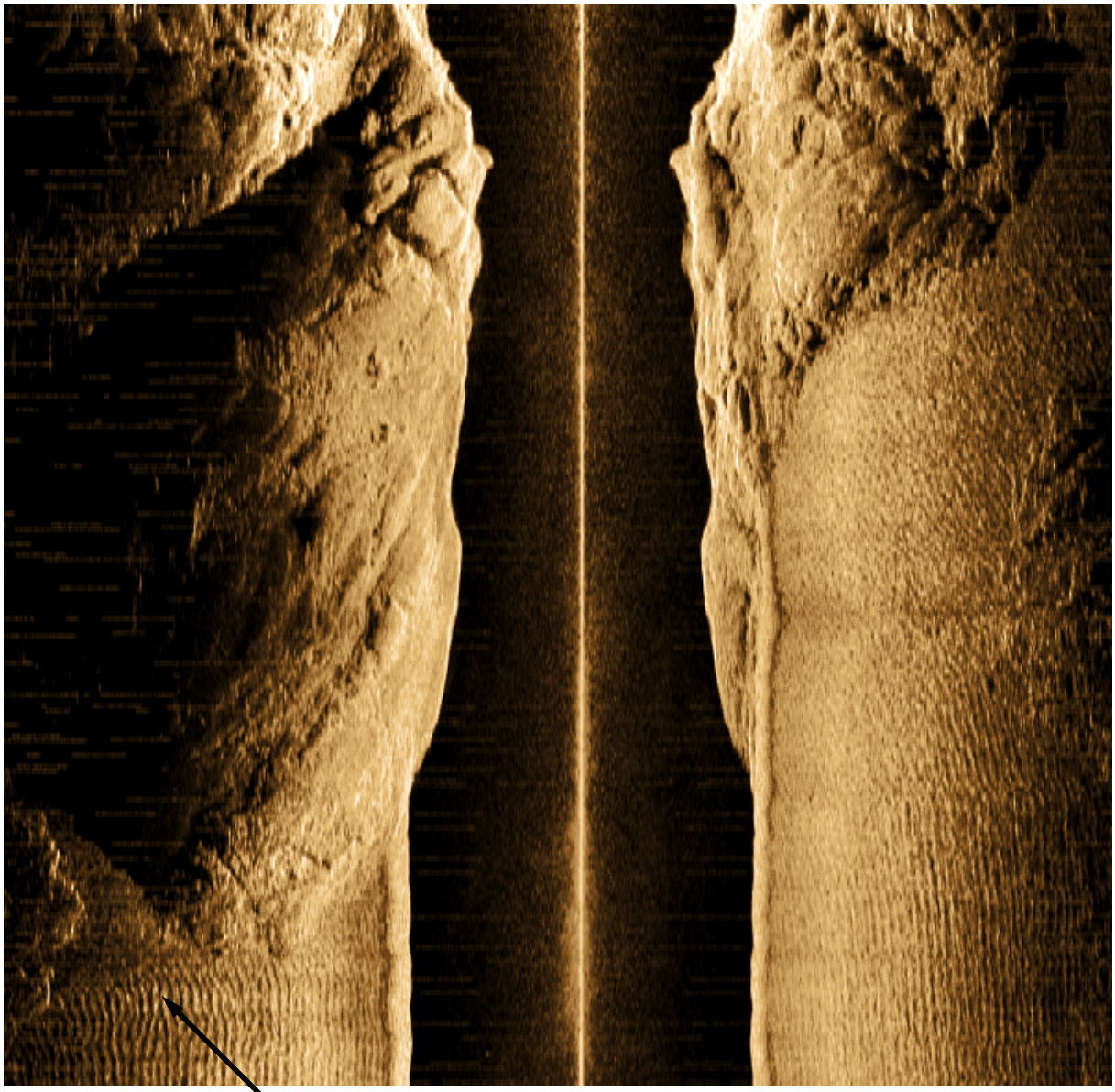




Wreck Ardennia outside Ussholmen, Marstrand, depth 14 meters
Sank 1934, later scrapped for metal reuse



Rock ridges with sand between



Wave pattern in the sand

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