



## MODULE 3, LESSON 1

### MSR TECHNOLOGIES AND TECHNIQUES (OFFSHORE AND LAB-BASED)

#### READING LIST

##### REQUIRED READING

Multibeam echosounding:

[https://www.kongsberg.com/globalassets/maritime/km-products/product-documents/306105\\_em122\\_product\\_specification.pdf](https://www.kongsberg.com/globalassets/maritime/km-products/product-documents/306105_em122_product_specification.pdf)

<https://www.bing.com/videos/riverview/relatedvideo?&q=acoustic+mapping+multibeam+EM2040&&mid=1993CFAC81A801B39CF51993CFAC81A801B39CF5&&FORM=VRDGAR>

ROV:

<https://www.ropos.com/>

<https://reachrobotics.com/blog/what-is-an-underwater-rov/>

<https://www.bing.com/videos/riverview/relatedvideo?q=remotely%20operated%20vehicle&mid=F3186FB967A298D9BAF0F3186FB967A298D9BAF0&ajaxhist=0>

AUV:

<https://www.kongsberg.com/discovery/autonomous-and-uncrewed-solutions/hugin/>

Box core:

<https://www.bing.com/videos/riverview/relatedvideo?&q=box+core+&&mid=00776A2E2F3D8BD3A02C00776A2E2F3D8BD3A02C&&FORM=VRDGAR>

Multicore:

<https://www.bing.com/videos/riverview/relatedvideo?&q=multicorer+seafloor+sampling&&mid=62CE6644378462ED714F62CE6644378462ED714F&&FORM=VRDGAR>

Drilling:

<https://www.bing.com/videos/riverview/relatedvideo?&q=biological+sampling+in+the+deep+sea&&mid=E6349D2F8E4EB69EE150E6349D2F8E4EB69EE150&&FORM=VRDGAR>

CTD/rosette:

<https://www.youtube.com/watch?v=7N2UsPDczTw>

Sampling deep-sea life:

<https://www.bing.com/videos/riverview/relatedvideo?&q=biological+sampling+in+the+deep+sea&&mid=60B75C0A7E309C9ADA7860B75C0A7E309C9ADA78&&FORM=VRDGAR>

ADCP Mooring deployment & recovery:

<https://deepwaterbuoyancy.com/product/spherical-adcp-buoys/>

Plankton net:

<https://www.bing.com/videos/riverview/relatedvideo?&q=zooplankton+mocness&&mid=D692467E5F49BEDC871DD692467E5F49BEDC871D&&FORM=VRDGAR>