

## VISUAL MATURITY SCALE

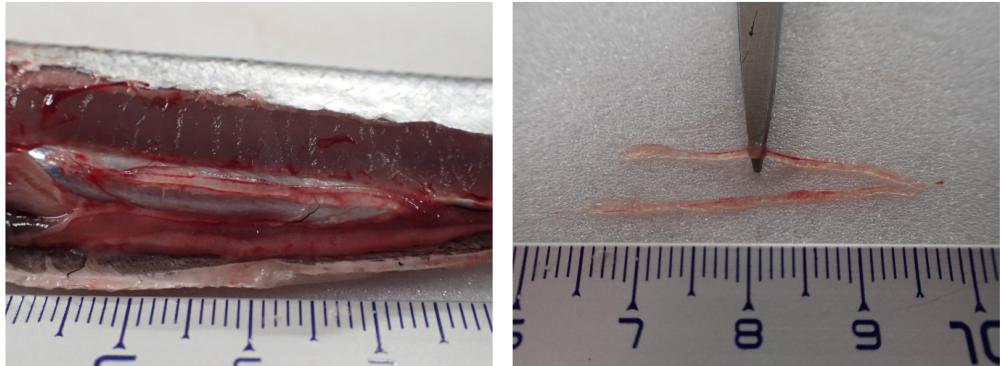
### Herring / *Clupea clupea*

Picture	Sex	Species	First maturity size
	♂	<i>Clupea clupea</i>	15 - 21 cm

### A - IMMATURE

FILIFORM and flattened knife-shaped surface

TRANSPARENT TO TRANSLUCID GONADS



### B - DEVELOPING

NON-FLOWING GONADS

TRANSLUCID TO WHITISH OPAQUE



### C - SPAWNING

OPAQUE AND WHITISH GONADS

FLOWING GONADS



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## D - REGRESSION/REGENERATION

BLOOD RESIDUE IN  
TISSUES

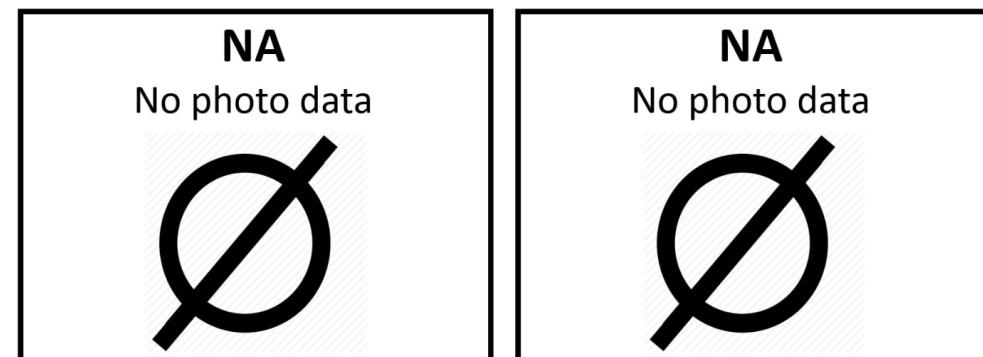
FLABBY, EMPTY



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## E - OMITTED SPAWNING

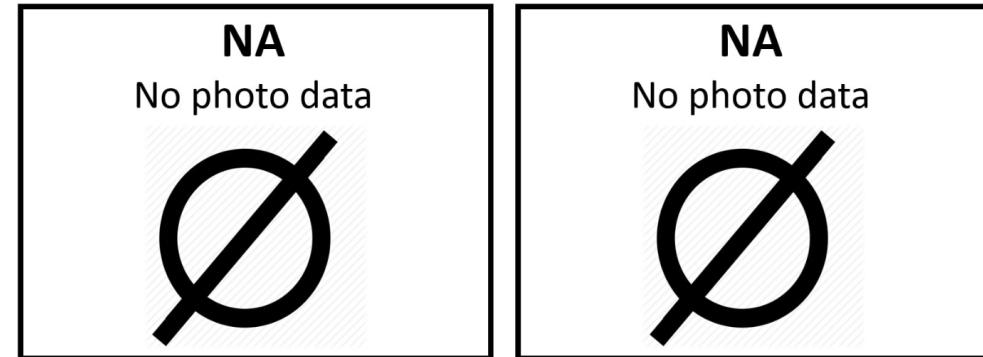
NOT DETERMINABLE BY  
THE EYE



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## F - ABNORMAL

NECROSIS, SCLEROSIS  
OR INTERSEX



### References/Photos :

ICES (WKASMSF 2018 & WKMATCH 2012),  
IFREMER