

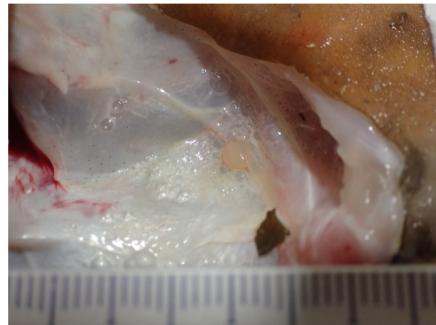
# American whitespotted filefish / *Cantherhines macrocerus*



## A - IMMATURE

TRANSPARENT TO  
TRANSLUCID GONADS

WITHOUT EGGS



## B - DEVELOPING

non-hydrated eggs  
SOMETIMES visible

OPAQUE GONADS



## C - SPAWNING

AT LEAST 1 VISIBLE  
HYDRATED EGG



## D - REGRESSION/REGENERATION

FEW HYDRATED  
EGGS STILL PRESENT

FLABBY GONADS AND  
THICK INNER LAYER

General aspect  
"stunted"



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## E - OMITTED SPAWNING

UNDETERMINABLE WITH THE NAKED EYE

## F - ABNORMAL

NECROSIS,  
SCLEROSIS OR  
INTERSEX



Picture	Sex	Species	First maturity size
		Cantherhines macrocerus	NA

### References/Photos :

ICES (WKASMSF 2018 & WKMATCH 2012),

IFREMER,

Quéro J-C. et Vayne J-J.2008. Les poissons de mer des pêches françaises : delachaux et niestlé, 304

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