

TABLE 1: AVAILABLE DATA

**COMMON  
NAME:**

## GOLDEN REDFISH

**SPECIES:**

*Sebastes marinus*

AREA*i*

NORTHWEST ATLANTIC

**STOCK:**

**FLEMISH CAP  
(NAFO DIV. 3M)**

CREATED BY:

FRAN SABORIDO  
2001-05-30

UPDATED BY:

DON POWER  
2001-09-25

<b>Data status</b>									
<b>Year</b>	<b>Stock size</b>	<b>Stock composition</b>	<b>Age</b>	<b>Sex ratio</b>	<b>Maturity</b>	<b>Fecundity</b>	<b>Weight</b>	<b>Condition</b>	<b>Additional data</b>
1978	(✓)								
1977									
1976									
1975									
1974									
1973									
1972									
1971									
1970									
1969				(✓)	(✓)				
1968				(✓)	(✓)				
1967				(✓)	(✓)				
1966				(✓)	(✓)				
1965				(✓)	(✓)				
1964				(✓)	(✓)				
1963				(✓)	(✓)				
1962				(✓)	(✓)				
1961				(✓)	(✓)				
1960				(✓)	(✓)				
1959				(✓)	(✓)				
1958				(✓)	(✓)				
1957				(✓)	(✓)				

**TABLE 2: DATA BASIS, FORMAT AND QUALITY**

<b>COMMON NAME:</b>	GOLDEN REDFISH	
<b>AREA:</b>	NORTHWEST ATLANTIC	
<b>STOCK:</b>	FLEMISH CAP (NAFO DIV. 3M)	
<b>REPRODUCTIVE STRATEGY:</b>	DETERMINATE SPAWNER	<b>REF. NO.:</b>
<b>TIMING OF SPAWNING:</b>	APRIL-JUNE	<b>REF. NO.:</b> 1,2
<b>OPTIMAL TIME FOR MATURITY SAMPLING:</b>	FEBRUARY-APRIL	<b>REF. NO.:</b> 1,2

<b>Data basis, format and quality</b>						
<b>Variables</b>	<b>Year range</b>	<b>Data basis (A/L/W)</b>	<b>Data origin</b>	<b>Sampling frequency</b>	<b>Notes on data, methods and contents</b>	<b>Ref. No.</b>
A. Commercial fisheries data						
B. Survey data	1988-2000	A,L	S	Y	Individual fish weights	3
C. Other						
<b>Condition:</b>						
A. Fulton						
B. HSI						
C. Energy						
D. Other						
<b>Egg viability:</b>						
A. Egg quality						
B. Fertilisation success						
C. Egg mortality						
D. Other						
<b>Larval viability:</b>						
A. Hatching success						
B. Larvae quality						
C. Mortality						
D. Other						
<b>Spawning time</b>						
<b>Contamination</b>						
<b>Environmental key factors</b>	Temperature		S	Y	Summer values	2,7
<b>Other factors or parameters</b>						

**TABLE 3: STUDIES OF REPRODUCTIVE POTENTIAL**

<b>COMMON NAME:</b>	GOLDEN REDFISH
<b>AREA:</b>	NORTHWEST ATLANTIC
<b>STOCK:</b>	FLEMISH CAP (NAFO DIV. 3M)

<b>Estimation of reproductive potential</b>			
<b>Subject</b>	<b>Brief description</b>	<b>Year range</b>	<b>Ref. No.</b>
Potential or realised egg production			
Viable egg and larvae production			
Critical life stages			
Environmental influences			
Stock recruitment relations	Spawning stock biomass vs age 5 recruits	1992-2000	2
Other studies			

**TABLE 4: DATA SOURCES**

<b>COMMON NAME:</b>	GOLDEN REDFISH
<b>AREA:</b>	NORTHWEST ATLANTIC
<b>STOCK:</b>	FLEMISH CAP (NAFO DIV. 3M)

<b>Data sources (literature reference or contact person)</b>	
1.	SABORIDO-REY, F. 1994. Genus <i>Sebastodes</i> Cuvier, 1829 (Pisces, Scorpaenidae) in the North Atlantic: Identification of species and populations using morphometric methods; Growth and reproduction of the Flemish Cap populations. Ph. D Thesis. Autonomous University of Madrid.
2.	SABORIDO-REY, F. Institute of Marine Research. C/ Eduardo Cabello, 6. 36208, Vigo, Spain. (fran@iim.csic.es).
3.	SABORIDO-REY, F. and A. VÁZQUEZ. MS 2001. Results from Bottom Trawl Survey on Flemish Cap of July 2000. <i>NAFO SCR Doc.</i> , No. 22, 56 p.
4.	ÁVILA DE MELO, A., R. ALPOIM, and F. SABORIDO-REY. MS 2001. A Comparative Assessment and Medium Term Projections of Redfish ( <i>S. mentella</i> and <i>S. fasciatus</i> ) in NAFO Division 3M. <i>NAFO SCR Doc.</i> , No. 45.
5.	SABORIDO REY, F. MS 1995. Age and growth of redfish in Flemish Cap (Div. 3M). 1995. <i>NAFO SCR Doc.</i> , No. 31, 16 p.
6.	ICES. 1996. Report of the workshop on age reading of <i>Sebastodes</i> spp. <i>ICES C.M. Doc.</i> , No. G:1
7.	CERVIÑO, S. MS 2001. Hydrographic Conditions on Flemish Cap in July 2000 and Comparison with those Observed in 1999. <i>NAFO SCR Doc.</i> , No. 24.
8.	POWER, D. Redfish Assessment Biologist. Aquatic Resources Division. Department of Fisheries and Oceans, P. O. Box 5667, St. John's, NF, Canada, A1C 5X1 (PowerD@dfo-mpo.gc.ca).
9.	NI, I-H., and E. J. SANDEMAN. 1984. Size at maturity for Northwest Atlantic redfishes ( <i>Sebastodes</i> ). <i>Can. J. Fish. Aquat. Sci.</i> , 41: 1753-1762.
10.	NI, I-H., and W. TEMPLEMAN. 1985. Reproductive cycles of redfishes ( <i>Sebastodes</i> ) in southern Newfoundland waters. <i>J. Northw. Atl. Fish. Sci.</i> , 6: 57-63.