

TABLE 1: AVAILABLE DATA

COMMON NAME:	ACADIAN REDFISH	SPECIES:	<i>Sebastes fasciatus</i>
AREA:	NORTHWEST ATLANTIC	STOCK:	FLEMISH CAP (NAFO DIV. 3M)
CREATED BY:	FRAN SABORIDO-REY 2001-05-30	UPDATED BY:	

Data status									
Year	Stock size	Stock composition	Age	Sex ratio	Maturity	Fecundity	Weight	Condition	Additional data
2001	(√)	(√)	(√)	(√)	(√)		(√)	(√)	
2000	√	√	√	√	(√)		√	√	
1999	√	√	√	√	√		√	√	
1998	√	√	√	√	√		√	√	
1997	√	√	√	√	√		√	√	
1996	√	√	√	√	√		√	√	
1995	√	√	√	√	√		√	√	
1994	√	√	√	√	√		√	√	
1993	√	√	√	√	√		√	√	
1992	√	√	√	√	√		√	√	
1991	√	√	√	√			√	√	

TABLE 2: DATA BASIS, FORMAT AND QUALITY

COMMON NAME:	ACADIAN REDFISH		
AREA:	NORTHWEST ATLANTIC		
STOCK:	FLEMISH CAP (NAFO DIV. 3M)		
REPRODUCTIVE STRATEGY:	DETERMINATE SPAWNER	REF. NO.:	
TIMING OF SPAWNING:	JUNE-JULY	REF. NO.:	1,2
OPTIMAL TIME FOR MATURITY SAMPLING:	MAY-JUNE	REF. NO.:	1,2

Data basis, format and quality						
Variables	Year range	Data basis (A/L/W)	Data origin	Sampling frequency	Notes on data, methods and contents	Ref. No.
Stock size	1991-2000	A	S	Y	Relative abundance, VPA	2,3,4
Stock composition	1991-2000	A,L,W	S	Y		2,3,4
Age determination	1991-2000		S	Y		2,5,6
Sex ratio	1991-2000	A,L	S	Y		2,3,4
Maturity:						
A. Ogives (E)	1992-2000	A,L	S	Y	Microscopic observations	1,2
B. Skip of spawning						
C. Spawning probability	1992-2000	A,L	S	Y	Microscopic observations	1,2
D. Other						
Fecundity:						
A. Estimation						
B. First time vs. repeat spawners						
C. Atresia						
D. Other						
Weight:						
A. Commercial fisheries data						
B. Survey data	1991-2000	A,L	S	Y	Individual fish weights	2, 3
C. Other						
Condition:						
A. Fulton						

Data basis, format and quality						
Variables	Year range	Data basis (A/L/W)	Data origin	Sampling frequency	Notes on data, methods and contents	Ref. No.
B. HSI						
C. Energy						
D. Other						
Egg viability:						
A. Egg quality						
B. Fertilisation success						
C. Egg mortality						
D. Other						
Larval viability:						
A. Hatching success						
B. Larvae quality	1978-1986		S			7
C. Mortality						
D. Other						
Spawning time						
Contamination						
Environmental key factors	Temperatu re; salinity		S	Y	Summer values	2
Other factors or parameters						

TABLE 3: STUDIES OF REPRODUCTIVE POTENTIAL

COMMON NAME:	ACADIAN REDFISH
AREA:	NORTHWEST ATLANTIC
STOCK:	FLEMISH CAP (NAFO DIV. 3M)

Estimation of reproductive potential			
Subject	Brief description	Year range	Ref. No.
Potential or realised egg production			
Viable egg and larvae production	Variations in larval abundance	1978-1986	8
Critical life stages			
Environmental influences			
Stock recruitment relations	Spawning stock biomass vs age 5 recruits	1992-2000	2
Other studies			

TABLE 4: DATA SOURCES

COMMON NAME:	ACADIAN REDFISH
AREA:	NORTHWEST ATLANTIC
STOCK:	FLEMISH CAP (NAFO DIV. 3M)

Data sources (literature reference or contact person)	
1. SABORIDO-REY, F. 1994. Genus <i>Sebastes</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. F. Saborido-Rey and A. Vázquez. 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. 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, 66 p.	
5. SABORIDO REY, F. 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>Sebastes</i> spp. <i>ICES C.M. Doc.</i> , No. G:1.	
7. ANDERSON, J. T. 1994. Feeding ecology and condition of larval and pelagic juvenile redfish <i>Sebastes</i> spp. <i>Mar. Ecol. Prog. Ser.</i> , Vol. 104, No. 3, pp. 211-226.	
8. PEPIN, P, J. T. ANDERSON. 1997. Scale-dependent variations in the precision of larval fish abundance estimates: A case study of <i>Sebastes</i> sp. on Flemish Cap <i>Can. J. Fish. Aquat. Sci.</i> , Vol. 54, No. 5, p. 1111-1120.	

