

Data status									
Year	Stock size	Stock composition	Age	Sex ratio	Maturity	Fecundity	Weight	Condition	Additional data
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

COMMON NAME:	REDFISH		
AREA:	NORTHWEST ATLANTIC		
STOCK:	FLEMISH CAP (NAFO DIV. 3M)		
REPRODUCTIVE STRATEGY:	DETERMINATE SPAWNER	REF. NO.:	
TIMING OF SPAWNING:	SPRING(F)AUTUMN(M)	REF. NO.:	5,6
OPTIMAL TIME FOR MATURITY SAMPLING:		REF. NO.:	

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	1978-1985	W	S	Y	Relative abundance	7
	1988-1990	A	S	Y		1,2,7
Stock composition	1988-1990	A,L,W	S	Y		1,2
Age determination	1978-1985	A	S	Y	for a number of areas	8
	1988-1990	A	S	Y		1,3,4
Sex ratio	1957-1969	L	S	Y		5,6
	1978-1985	L	S	Y		8
	1988-1990	A,L	S	Y		1,2
Maturity:						
A. Ogives (E)	1957-1969	L	S	Y	Ogives for a number of NAFO areas	5,6
B. Skip of spawning						
C. Spawning probability						
D. Other						
Fecundity:						
A. Estimation						
B. First time vs. repeat spawners						
C. Atresia						
D. Other						
Weight:						
A. Commercial fisheries data						
B. Survey data	1978-1985	W	S	Y	Individual fish weights	8
	1988-1990	A,L	S	Y		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.
C. Other						
Condition:						
A. Fulton						
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						
C. Mortality						
D. Other						
Spawning time	1957-1969	L	S			5,6
Contamination						
Environmental key factors	Temperature		S	Y	Summer values	1
Other factors or parameters						

TABLE 4: DATA SOURCES

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

Data sources (literature reference or contact person)
1. SABORIDO-REY, F. Institute of Marine Research. C/ Eduardo Cabello, 6. 36208, Vigo, Spain. (fran@iim.csic.es).
2. SABORIDO-REY, 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.
3. 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.
4. ICES. 1996. Report of the workshop on age reading of <i>Sebastes</i> spp. <i>ICES C.M. Doc.</i> , G:1.
5. NI, I-H., and E. J. SANDEMAN. 1984. Size at maturity for Northwest Atlantic redfishes (<i>Sebastes</i>). <i>Can. J. Fish. Aquat. Sci.</i> , 41 : 1753-1762.
6. NI, I-H., and W. TEMPLEMAN. 1985. Reproductive cycles of redfishes (<i>Sebastes</i>) in southern Newfoundland waters. <i>J. Northw. Atl. Fish. Sci.</i> , 6 : 57-63.
7. ATKINSON, D. B. MS 1985. The Redfish of NAFO Div. 3M. <i>NAFO SCR Doc.</i> , No. 48, Serial No. N997, 10 p.
8. POWER, D. Redfish Assessment Biologist, Aquatic Resources Division, Department of Fisheries and Oceans, P. O. Box 5667, St. John's, NF, Canada, A1C (PowerD@dfo-mpo.gc.ca).

