

TABLE 1: AVAILABLE DATA**COMMON
NAME:**

REDFISH

SPECIES:*Sebastes spp.***AREA:**

NORTHWEST ATLANTIC

STOCK:

NAFO DIV. 3LN

CREATED BY:

JOANNE MORGAN

UPDATED BY:

JOANNE MORGAN 2002-03-25

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	(√)	√	√	(√)	(√)		(√)	(√)	
1990	(√)	√	√	(√)	(√)		(√)	(√)	
1989			√				(√)		
1988			√				(√)		
1987			√				(√)		
1986			√				(√)		
1985			√				(√)		
1984			√				(√)		
1983			√				(√)		
1982			√				(√)		
1981			√				(√)		
1980			√				(√)		
1979			√				(√)		
1978			√				(√)		

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

COMMON NAME:	REDFISH	
AREA:	NORTHWEST ATLANTIC	
STOCK:	NAFO DIV. 3LN	
REPRODUCTIVE STRATEGY:	OVOVIVIPAROUS	REF. NO.: 5
TIMING OF SPAWNING:	UNKNOWN	REF. NO.:
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	1990-2000	L	S	B		1
Stock composition	1968-1990	A,L	CC,CL	Q,Q	Based on scales otoliths collected but not aged since 1996	1,2,4
	1990-1996	A,L	S	B		1,2
	1997-2000	L	S	B		2
Age determination	1968-1990	A	CC,CL	Q,Q	Based on scales otoliths collected but not aged since 1996	1,2,4
	1990-1996	A	S	B		1,2
	1997-2000	A	S	B		2
Sex ratio	1969	L	S	Not given	Data from 1957-1969 combined	3
	1990-2000	L	S	B		2
Maturity:						
A. Ogives (E)	1969	L	S	NOT GIVEN	Data from 1957-1969 combined	3
	1990-2000	L	S	Y		2
B. Skip of spawning						
C. Spawning probability						
D. Other						
Fecundity:						
A. Estimation						
B. First time vs. repeat spawners						
C. Atresia						
D. Other						

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.
Weight:						
A. Commercial fisheries data	1968-1990		CC,CL	Q,Q	unclear how weight at age derived	4
B. Survey data	1990-2000	L	S	B		2
C. Other						
Condition:						
A. Fulton	1990-2000	L	S	B		2
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						
Contamination						
Environmental key factors						
Other factors or parameters						

TABLE 4: DATA SOURCES

COMMON NAME:	REDFISH
AREA:	NORTHWEST ATLANTIC
STOCK:	NAFO DIV. 3LN

Data sources (literature reference or contact person)
1. POWER, D. MS 2000. A stock status update of redfish in NAFO Divisions 3LN. <i>NAFO SCR Doc.</i> , No. 52, 18 p.
2. UNPUBL. DATA: D. Power, DFO, P. O. Box 5667, St. John's NF, A1C 5X1, Canada (powerd@dfo-mpo.gc.ca).
3. NI, I-H. and E. J. SANDEMAN. MS 1982. The logistic model for determining size at maturity in species differentiation and stock discrimination for northwest Atlantic redfishes. <i>NAFO SCR Doc.</i> , No. IX/88, 13 p.
4. VASKOV, A. A. and I. A. OGANIN. MS 1991. Status of Redfish Stock in Divisions 3LN. <i>NAFO SCR Doc.</i> , No. 6, Serial No. N1878, 8 p.
5. SCOTT, W. B. and M. G. SCOTT. 1988. Atlantic Fishes of Canada. <i>Can. Bull. Fish. Aquat. Sci.</i> , 219 : 731 p.

