

Sebastes spp.

UNIT 2 (NAFO SUBDIV. 3Ps 4Vs
4Wfgj+3Pn 4Vn (JUN-DEC))

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[illegible]

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:	UNIT 2 (NAFO SUBDIV. 3Ps 4Vs 4Wfgj+3Pn 4Vn (JUN-DEC))	
REPRODUCTIVE STRATEGY:	OVOVIVIPAROUS	REF. NO.: 7
TIMING OF SPAWNING:	MID MAR-MID JUNE	REF. NO.: 4
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	1994-1996	L	S	Y	Stock area changed in 1993	1
	1997	L	S	B		1,5
	1998-1999	L	S	Y		1,5
	2000	L	S	B		1,5
Stock composition	1994-1996	A,L	CC,CL,S	Q,Q,Y		1
	1997	A,L	CC,CL,S	Q,Q,B		1,5
	1998-1999	A,L	CC,CL,S	Q,Q,Y		1,5
	2000	A,L	CC,CL,S	Q,Q,B		1,5
Age determination	1994-1997	A	CC,CL,S	Q,Q,Y	Commercial otoliths not aged otoliths not yet aged	2
	1998-1999	A	CC,CL,S	Q,Q,Y		2
	2000	A	CC,CL,S	Q,Q,Y		2
Sex ratio	1969	L	S	NOT GIVEN	data from 1957-1969 combined	3,4
	1994-1999	L	CC,CL,S	Q,Q,Y		1
	2000	L	CC,CL,S	Q,Q,Y		2
Maturity:						
A. Ogives (E)	1969	L	S	NOT GIVEN	Data from 1957-1969 combined	3,4
	1					
	994-1997,2000	L	S	Y	data from 1972-1997 combined	2
	1998	L	S	Y		6
B. Skip of spawning						
C. Spawning probability						
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.
Fecundity:						
A. Estimation						
B. First time vs. repeat spawners						
C. Atresia						
D. Other						
Weight:						
A. Commercial fisheries data	1994-2000	L	CC,CL	Q,Q	Invariant length weight relationship	1
B. Survey data	1994-1996	A,L	S	Y		1
	1997	A,L	S	B		1,5
	1998-1999	L	S	Y		1,5
	2000	A,L	S	B		1,5
C. Other						
Condition:						
A. Fulton	1994-1997,2000	A,L	S	Y		2
B. HSI						
C. Energy						
D. Other	1969		S	NOT GIVEN	GSI, data from 1957-1969 combined	4
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	1969		S	NOT GIVEN	Data from 1957-1969 combined	4
Contamination						
Environmental key factors						
Other factors or parameters						

TABLE 4: DATA SOURCES

COMMON NAME:	REDFISH
AREA:	NORTHWEST ATLANTIC
STOCK:	UNIT 2 (NAFO SUBDIV. 3Ps 4Vs 4Wfgj+3Pn 4Vn (JUN-DEC))

Data sources (literature reference or contact person)
1. POWER, D. and F. MOWBRAY. MS 2000. The status of redfish in Unit 2. <i>DFO, Can. Stock Assess. Sec. Res. Doc.</i> , No. 136.
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. NI, I-H. and W. TEMPLEMAN. 1985. Reproductive cycles of redfishes (Sebastes) in southern Newfoundland waters. <i>J. Northw. Atl. Fish. Sci.</i> , 6 : 57-63.
5. MCCLINTOCK, J. MS 2000. Summer 2000 Unit 2 survey for redfish. <i>DFO, Can. Stock Assess. Sec. Res. Doc.</i> , No. 133.
6. POWER, D. and D. B. ATKINSON. MS 1998. The status of redfish in Unit 2 (Laurentian Channel Management Unit). <i>DFO, Can. Stock Assess. Sec. Res. Doc.</i> , No. 21.
7. SCOTT, W. B. and M. G. SCOTT. 1988. Atlantic Fishes of Canada. <i>Can. Bull. Fish. Aquat. Sci.</i> , 219 : 731 p.

