

TABLE 1: AVAILABLE DATA

COMMON NAME:	ROUNDOSE GRENADIER	SPECIES:	<i>Coryphaenoides rupestris</i>
AREA:	NORTHWEST ATLANTIC	STOCK:	NAFO SUBAREAS 2+3
CREATED BY:	HILARIO MURUA 2001-11-12	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	√	√	√	√			(√)		
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	(√)	(√)							

TABLE 2: DATA BASIS, FORMAT AND QUALITY

COMMON NAME:	ROUNDNOSE GRENADIER	
AREA:	NORTHWEST ATLANTIC	
STOCK:	NAFO SUBAREAS 2+3	
REPRODUCTIVE STRATEGY:	DETERMINATE	REF. NO.:
TIMING OF SPAWNING:	SPRING	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	1956-1973	L/W	S	Y	250->1250 m, 2+3	1
	1974-1986	L/W	S	Y	250->1250 m, 2+3	5
	1971-1992	L/W	S	Y	<1460 m, 3K, 0B, 2GH	6, 11
	1983-1992	A	S	Y	and Flemish Pass	6
	1988-2001	W	S	Y	201-720 m, 3M	12
	1991	L/W	S	Y	up to 1500 m, 3KLM	7
	1994	L/W	S	Y	up to 1500 m, 3KLMN	7
	1995	L/W	S	Y	up to 1500 m, 3KLMN	7
	1996	L/W	S	Y	up to 1500 m, 2HJ3K	8
	1997	L/W	S	Y	up to 1500 m, 2HJ3K	9, 10
Stock composition	1956-1973	L/W	S	Y	250->1250 m, 2+3	1
	1974-1986	L/W	S	Y	250->1250 m, 2+3	5
	1971-1992	L/W	S	Y	<1460 m, 3K, 0B, 2GH	6, 11
	1983-1992	A	S	Y	and Flemish Pass	6
	1988-2001	W	S	Y	201-720 m, 3M	12
	1991	L/W	S	Y	up to 1500 m, 3KLM	7
	1994	L/W	S	Y	up to 1500 m, 3KLMN	7
	1995	L/W	S	Y	up to 1500 m, 3KLMN	7
	1996	L/W	S	Y	up to 1500 m, 2HJ3K	8
	1997	L/W	S	Y	up to 1500 m, 2HJ3K	9, 10
Age determination	1983-1992	A	S	Y	<1460 m, 3K, 0B, 2GH and Flemish Pass	6

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.
Sex ratio	1974-1986	L/W	S	Y	250->1250 m, 2+3	5
	1965-1969	L/W	S	Y		2,
	1975	L/W	S	Y	July - August	4
	1971-1992	L/W	S	Y	<1460 m, 3K, 0B, 2GH	6, 11
	1983-1992	A	S	Y	and Flemish Pass	6
	1991	L/W	S	Y	up to 1500 m, 3KLM	7
	1994	L/W	S	Y	up to 1500 m, 3KLMN	7
	1995	L/W	S	Y	up to 1500 m, 3KLMN	7
	1996	L/W	S	Y	up to 1500 m, 2HJ3K	8
	1997	L/W	S	Y	up to 1500 m, 2HJ3K	9, 10
Maturity:						
A. Ogives (E)	1975	L/W	S	Y	Few individuals	4
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	1956-1973	L/W	S	Y	250->1250 m, 2+3	1
	1974-1986	L/W	S	Y	250->1250 m, 2+3	5
	1971-1992	L/W	S	Y	<1460 m, 3K, 0B, 2GH	6, 11
	1983-1992	A	S	Y	and Flemish Pass	6
	1988-2001	W	S	Y	201-720 m, 3M	12
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	1996	L/W	S	Y	up to 1500 m, 2HJ3K	8
	1997	L/W	S	Y	up to 1500 m, 2HJ3K	9, 10
C. Other						
Condition:						
A. Fulton						
B. HSI						
C. Energy						
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.
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	1975	L/W	S	Y	Few specimens	4
Contamination						
Environmental key factors						
Other factors or parameters						

TABLE 4: DATA SOURCES

COMMON NAME:	ROUNDNOSE GRENADIER
AREA:	NORTHWEST ATLANTIC
STOCK:	NAFO SUBAREAS 2+3

Data sources (literature reference or contact person)
1. PARSONS, L. S. MS 1976. Distribution and relative abundance of roundnose, roughhead and common grenadiers in the Northwest Atlantic. <i>ICNAF Sel. Papers</i> , 1: 73-88.
2. SAVVATIMSKY, P. I. 1969. The grenadier of the North Atlantic. <i>Trudy PINRO, Fish Res. Board, Can. Trans, Ser. No. 2879</i> , 72 p.
3. SAVVATIMSKY, P. I. 1972. The age of the rock grenadier in the Northwest Atlantic and a possible influence of fisheries on its population numbers. <i>Fish Res. Board Can. Trans.</i> , Serial No. 2879, <i>Trudy PINRO</i> , 28: 116-127.
4. GEISTDOERFER, P. 1979. New data on the reproduction of Macrourids (Teleostei, Gadiformes). <i>Sarsia</i> , 64: 109-112.
5. ATKINSON, D. B. and D. POWER. MS 1987. Distribution of Roughhead and Roundnose Grenadiers in the Northwest Atlantic. <i>NAFO SCR Doc.</i> , No. 94, Serial No. N1398, 28 p.
6. SAVVATIMSKY, P. I. MS 1993. Results of investigations of Roundnose grenadier in NAFO Subarea 0, 2 and Div. 3K in 1971-1992. <i>NAFO SCR Doc.</i> , No. 12, Serial No. N2189, 8 p.
7. BOWERING, W. R., D. POWER, and M. J. MORGAN. MS 1995. Distribution and abundance of five major groundfish species at the continental slope of Divisions 3KLMN based upon Canadian Deepwater Surveys in 1991, 1994 and 1995. <i>NAFO SCR Doc.</i> , No. 51, Serial No. N2562, 26 p.
8. POWER, D. MS 1997. Roundnose grenadier (<i>Coryphaenoides rupestris</i>) in NAFO Subareas 2+3. <i>NAFO SCR Doc.</i> , No. 74, Serial No. N2908, 8 p.
9. YOKAWA, K. and M. SATANI. 1997. Results of a stratified random bottom trawl survey in NAFO Divisions 2GH in 1996. <i>NAFO SCR Doc.</i> , No. 23, Serial No. N2853, 19 p.
10. POWER, D. and D. MADDOCK PARSONS. MS 1998. An assessment of Roundnose grenadier (<i>Coryphaenoides rupestris</i>) in NAFO Subareas 2+3 and catch information on roughhead grenadier (<i>Macrourus berglax</i>). <i>NAFO SCR Doc.</i> , No. 57, Serial No. N3049, 11 p.
11. SAVVATIMSKY, P. I. MS 1998. Results from the assessment of roundnose grenadier stocks in NAFO divisions 2G and 2H by the data from Russian trawl surveys in 1987-1992. <i>NAFO SCR Doc.</i> , No. 14, Serial No. N2993, 9 p.
12. 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.