

TABLE 1: AVAILABLE DATA

COMMON NAME:	THORNY SKATE	SPECIES:	<i>Raja radiata</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	√	√					√	√	
1990	√	√					√	√	
1989	√	√					√	√	
1988	√	√					√	√	

TABLE 2: DATA BASIS, FORMAT AND QUALITY

COMMON NAME:	THORNY SKATE	
AREA:	NORTHWEST ATLANTIC	
STOCK:	FLEMISH CAP (NAFO DIV. 3M)	
REPRODUCTIVE STRATEGY:		REF. NO.:
TIMING OF SPAWNING:		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	1988-2000	L	S	Y	Relative abundance	1
Stock composition	1988-2000	L,W	S	Y		1
Age determination						
Sex ratio	1992-2000	L	S	Y		1
Maturity:						
A. Ogives (E)						
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	1988-2000	A,L	S	Y	Individual fish weights	1

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	1988-2000	L,W	S	Y	Summer values	1
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	Temperature		S	Y	Summer values	1
Other factors or parameters						

DATA ON REPRODUCTIVE POTENTIAL**TABLE 4: DATA SOURCES**

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

Data sources (literature reference or contact person)
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