

TABLE 1: AVAILABLE DATA

COMMON NAME:	AMERICAN PLAICE	SPECIES:	<i>Hippoglossoides platessoides</i>
AREA:	NORTHWEST ATLANTIC	STOCK:	NAFO SUBDIV. 3Ps
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									
1953					√				
1950					(√)				

TABLE 2: DATA BASIS, FORMAT AND QUALITY

COMMON NAME:	AMERICAN PLAICE	
AREA:	NORTHWEST ATLANTIC	
STOCK:	NAFO SUBDIV. 3Ps	
REPRODUCTIVE STRATEGY:	DETERMINATE BATCH SPAWNER	REF. NO.: 9,10
TIMING OF SPAWNING:	APRIL-MAY	REF. NO.: 6,7
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	1972-1997	A,L	S	Y	Survey coverage poor prior to 1980	1
	1998-2000	A,L	S	B		1,2,11
Stock composition	1972	L	S	Y		2
	1973	A,L	S	Y		3
	1974-1982	A,L	CC,CL,S	Q,Q,Y		3,4
	1983-1992	A,L	CC,CL,S	Q,Q,Y		1,3
	1993-1997	A,L	S	Y		1
	1998-2000	A,L	S	Y		1,2,11
Age determination	1973	A	S	Y		3
	1974-1982	A	CC,CL,S	Q,Q,Y		3,4
	1983-1992	A	CC,CL,S	Q,Q,Y		1,3
	1993-1998	A	S	Y		1
	1999-2000	A	S	Y		2
Sex ratio	1972	L	S	Y		2
	1973-1982	A,L	S	Y		2
	1983-2000	A,L	S	Y		2
Maturity:						
A. Ogives (E)	1963-1989	A,L	S	Y	By cohort annual data from 1950 and 1953 combined	5,2
	1983-2000	A	S	Y		1,2
	1973-2000	L	S	Y		1,2
	1953	A,L	S	Mar,Jun		6
B. Skip of spawning						
C. Spawning probability						

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.
D. Other						
Fecundity:						
A. Estimation	1993-1998	A,L,W	S	Y		2
B. First time vs. repeat spawners						
C. Atresia						
D. Other						
Weight:						
A. Commercial fisheries data	1974-1992	A,L	CC,CL	Q,Q	Invariant length weight relationship	7,8
B. Survey data	1990-1998	A,L	S	Y		1
	1999-2000	A,L	S	Y		2
C. Other						
Condition:						
A. Fulton	1990-2000	L	S	Y		2
B. HSI	1990-2000	L	S	Y		2
C. Energy						
D. Other	1990-2000	L	S	Y	GSI	2
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	1950,1953	A,L	S	MAR,JUN	all data combined	6
	1959-1970		S	VARIOUS		7
Contamination						
Environmental key factors						
Other factors or parameters						

TABLE 4: DATA SOURCES

COMMON NAME:	AMERICAN PLAICE
AREA:	NORTHWEST ATLANTIC
STOCK:	NAFO SUBDIV. 3Ps

Data sources (literature reference or contact person)
1. MORGAN, M. J., W. B. BRODIE, and D. POWER. MS 1999. An assessment of American plaice in Subdivision 3Ps. <i>Can. Stock Ass. Sec. Res. Doc.</i> , No. 145.
2. UNPUBL. DATA: M. J. MORGAN. DFO, P.O. Box 5667, St. John's, NF, A1C 5X1, Canada (morganj@dfo-mpo.gc.ca).
3. BOWERING, W. R., W. B. BRODIE, and M. J. MORGAN. 1996. Changes in abundance and certain population parameters of American plaice on St. Pierre Bank off Newfoundland during 1972-1994, with implications for fisheries management. <i>North Amer. J. Fish. Manag.</i> , 16 : 747-769.
4. MORGAN, M. J., W. B. BRODIE, and G. T. EVANS. MS 1995. Assessment of the American plaice stock in NAFO Subdiv. 3Ps. <i>DFO Atl. Fish. Res. Doc.</i> , No. 36.
5. MORGAN, M. J. and E. B. COLBOURNE. 1999. Variation in maturity-at-age and size in three populations of American plaice. <i>ICES J. Mar. Sci.</i> , 56 : 673-688.
6. PITT, T. K. 1966. Sexual maturity and spawning of the American plaice, <i>Hippoglossoides platessoides</i> (Fabricius), from Newfoundland and Grand Bank areas. <i>J. Fish. Res. Board Canada</i> , 23 : 651-672.
7. BRODIE, W. B., D. POWER, and W. R. BOWERING. MS 1993. Assessment of the American plaice stock in NAFO Subdiv. 3Ps. <i>DFO Atl. Fish. Res. Doc.</i> , No. 24.
8. BRODIE, W.B. MS 1985. An assessment update of the American plaice stock in NAFO Div. 3LNO. <i>NAFO SCR Doc.</i> , No. 51.
9. ZAMARRO, J. 1992. Determination of fecundity in American plaice (<i>Hippoglossoides platessoides</i>) and its variation from 1987 to 1989 on the tail of the Grand Bank. <i>Neth. J. Sea Res.</i> , 29 : 205-209.
10. MADDOCK, D. M. and M. P. M. BURTON. 1999. Gross and histological observations of ovarian development and related condition changes in American plaice. <i>J. Fish. Biol.</i> , 53 : 928-944.
11. MCCLINTOCK, J. MS 2001. American plaice catch results from fall 2000 GEAC survey in NAFO Division 3Ps. <i>Can. Stock Ass. Sec. Res. Doc.</i> , No. 25.

