

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

AMERICAN PLAICE

SPECIES:*Hippoglossoides platessoides***AREA:**

NORTHWEST ATLANTIC

STOCK:

NAFO SUBAREA 2+DIV. 3K

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				(√)	(√)				

TABLE 2: DATA BASIS, FORMAT AND QUALITY

COMMON NAME:	AMERICAN PLAICE	
AREA:	NORTHWEST ATLANTIC	
STOCK:	NAFO SUBAREA 2+DIV. 3K	
REPRODUCTIVE STRATEGY:	DETERMINE BATCH SPAWNER	REF. NO.: 8,9
TIMING OF SPAWNING:	JAN-JUNE	REF. NO.: 4,5
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	1978-1999	A,L	S	Y		1
	2000	A,L	S	Y		2
Stock composition	1978-1983	A,L	S	Y		1
	1984-1990	A,L	CC,CL,S	Q,Q,Y		1,2
	1991-1999	A,L	S	Y		1
	2000	A,L	S	Y		2
Age determination	1976-1977	A	CL	Q		6
	1978-1982	A	CC,CL,S	Q,Q,Y		1,6
	1983	A	S	Y		1
	1984-1990	A	CC,CL,S	Q,Q,Y		1,2
	1991-1999	A	S	Y		1
	2000	A	S	Y		2
Sex ratio	1978-2000	A,L	S	Y		2
	1964	A,L	S	Apr-June	data from 1963-1964 combined	10
Maturity:						
A. Ogives (E)	1967-2000	A,L	S	Y	By cohort	1,2,3
	1964	A,L	S	Apr-June	data from 1963-1964 combined	10
B. Skip of spawning						
C. Spawning probability						
D. Other						
Fecundity:						
A. Estimation						

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.
B. First time vs. repeat spawners						
C. Atresia						
D. Other						
Weight:						
A. Commercial fisheries data	1976-1982	L	CC,CL	Q,Q	Invariant length weight relationship	6,7
B. Survey data	1990-1999	A,L	S	Y		1
	2000	A,L	S	Y		2
C. Other						
Condition:						
A. Fulton	1990-2000	A,L	S	Y		2
B. HSI	1990-2000	A,L	S	Y		2
C. Energy						
D. Other	1990-2000	A,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	4
	1959-1970		S	VARIOUS		5
Contamination						
Environmental key factors						
Other factors or parameters						

TABLE 4: DATA SOURCES

COMMON NAME:	AMERICAN PLAICE
AREA:	NORTHWEST ATLANTIC
STOCK:	NAFO SUBAREA 2+DIV. 3K

Data sources (literature reference or contact person)	
1. BRODIE, W. B. and M. J. MORGAN. MS 2000. An assessment of the American plaice stock in NAFO Subarea 2 and Division 3K. <i>DFO Can. Stock Ass. Res. Doc.</i> , No. 130.	
2. UNPUBL. DATA. W. B. BRODIE, DFO, PO Box 5667, St. John's, NF, A1C 5X1, Canada (brodieb@dfo-mpo.gc.ca)	
3. 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.	
4. 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.	
5. NEVINSKY, M. M. and V. P. SEREBRYAKOV. 1973. American plaice, <i>Hippoglossoides platessoides</i> Fabr., spawning in the northwest Atlantic area. <i>ICNAF Res. Bull.</i> , 10 : 23-36.	
6. BRODIE, W. B. MS 1984. American plaice in NAFO Subarea 2 + Div. 3K – an assessment update. <i>DFO CAFSAC Res. Doc.</i> , No. 50.	
7. BRODIE, W. B. MS 1985. An assessment update of the American plaice stock in NAFO Divisions 3LNO. <i>NAFO SCR Doc.</i> , No. 51.	
8. 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.	
9. 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.	
10. 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.	

