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#C #####
#C # Halibut data file for 2019
#C # Areas-as-fleets long time-series model
#C # Survey and fishery are partitioned by Region
#C #####
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# Global settings
1888 # Start year
2019 # End year
1 # Number of seasons
12 # Months per season
2 # Number of subseasons for calculations
1 # Spawning month
2 # Number of sexes
30 # Number of ages
1 # Number of areas
12 # Number of fleets
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#C ### Fleet definitions
# fleettype timing area catchunits catchmult fleetname
1 -1 1 1 0 R2Commercial
1 -1 1 1 0 R3Commercial
1 -1 1 1 0 R4Commercial
1 -1 1 1 0 R4BCommercial
1 -1 1 1 0 Discards
1 -1 1 1 0 Non_directed_discards
1 -1 1 1 0 Recreational
1 -1 1 1 0 Subsistence
3 1 1 2 0 R2Survey
3 1 1 2 0 R3Survey
3 1 1 2 0 R4Survey
3 1 1 2 0 R4BSurvey
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#C ### Catch section ###
#C # Halibut catch in thousands of lbs - this is NOT metric tons!!
# Mortality updated 2019
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# Year season fleet catch catchSE # name
1888 1 1 1466 0.01 # R2Commercial
1889 1 1 1290 0.01 # R2Commercial
1890 1 1 1373 0.01 # R2Commercial
1891 1 1 2131 0.01 # R2Commercial
1892 1 1 2768 0.01 # R2Commercial
1893 1 1 3215 0.01 # R2Commercial
1894 1 1 3756 0.01 # R2Commercial
1895 1 1 4251 0.01 # R2Commercial
1896 1 1 5423 0.01 # R2Commercial
1897 1 1 6594 0.01 # R2Commercial
1898 1 1 7765 0.01 # R2Commercial
1899 1 1 8936 0.01 # R2Commercial
1900 1 1 13405 0.01 # R2Commercial
1901 1 1 17874 0.01 # R2Commercial
1902 1 1 22343 0.01 # R2Commercial
1903 1 1 25210 0.01 # R2Commercial
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1906	1	1	36000	0.01	#	R2Commercial
1907	1	1	50000	0.01	#	R2Commercial
1908	1	1	50617	0.01	#	R2Commercial
1909	1	1	51233	0.01	#	R2Commercial
1910	1	1	51850	0.01	#	R2Commercial
1911	1	1	56931	0.01	#	R2Commercial
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1919	1	1	26603	0.01	#	R2Commercial
1920	1	1	32358	0.01	#	R2Commercial
1921	1	1	36984	0.01	#	R2Commercial
1922	1	1	30845	0.01	#	R2Commercial
1923	1	1	29055	0.01	#	R2Commercial
1924	1	1	26814	0.01	#	R2Commercial
1925	1	1	23841	0.01	#	R2Commercial
1926	1	1	25608	0.01	#	R2Commercial
1927	1	1	24127	0.01	#	R2Commercial
1928	1	1	26477	0.01	#	R2Commercial
1929	1	1	25791	0.01	#	R2Commercial
1930	1	1	22230	0.01	#	R2Commercial
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1932	1	1	22890	0.01	#	R2Commercial
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1937	1	1	24073	0.01	#	R2Commercial
1938	1	1	24109	0.01	#	R2Commercial
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1947	1	1	27739	0.01	#	R2Commercial
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2019	1	2	10471	0.01	#	R3Commercial
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1981	1	3	804	0.01	#	R4Commercial
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1993	1	4	1995	0.01	#	R4BCommercial
1994	1	4	2057	0.01	#	R4BCommercial
1995	1	4	1697	0.01	#	R4BCommercial
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1997	1	4	3362	0.01	#	R4BCommercial
1998	1	4	2919	0.01	#	R4BCommercial
1999	1	4	3612	0.01	#	R4BCommercial
2000	1	4	4745	0.01	#	R4BCommercial
2001	1	4	4510	0.01	#	R4BCommercial
2002	1	4	4124	0.01	#	R4BCommercial
2003	1	4	3883	0.01	#	R4BCommercial
2004	1	4	2738	0.01	#	R4BCommercial
2005	1	4	1988	0.01	#	R4BCommercial

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2007	1	4	1429	0.01	#	R4BCommercial
2008	1	4	1787	0.01	#	R4BCommercial
2009	1	4	1627	0.01	#	R4BCommercial
2010	1	4	1843	0.01	#	R4BCommercial
2011	1	4	2075	0.01	#	R4BCommercial
2012	1	4	1747	0.01	#	R4BCommercial
2013	1	4	1257	0.01	#	R4BCommercial
2014	1	4	1128	0.01	#	R4BCommercial
2015	1	4	1113	0.01	#	R4BCommercial
2016	1	4	1115	0.01	#	R4BCommercial
2017	1	4	1098	0.01	#	R4BCommercial
2018	1	4	1073	0.01	#	R4BCommercial
2019	1	4	1002	0.01	#	R4BCommercial
1974	1	5	201	0.01	#	Discards
1975	1	5	309	0.01	#	Discards
1976	1	5	344	0.01	#	Discards
1977	1	5	292	0.01	#	Discards
1978	1	5	283	0.01	#	Discards
1979	1	5	297	0.01	#	Discards
1980	1	5	302	0.01	#	Discards
1981	1	5	351	0.01	#	Discards
1982	1	5	401	0.01	#	Discards
1983	1	5	526	0.01	#	Discards
1984	1	5	724	0.01	#	Discards
1985	1	5	1104	0.01	#	Discards
1986	1	5	1458	0.01	#	Discards
1987	1	5	1483	0.01	#	Discards
1988	1	5	1541	0.01	#	Discards
1989	1	5	1441	0.01	#	Discards
1990	1	5	1378	0.01	#	Discards
1991	1	5	1240	0.01	#	Discards
1992	1	5	1253	0.01	#	Discards
1993	1	5	1233	0.01	#	Discards
1994	1	5	1218	0.01	#	Discards
1995	1	5	677	0.01	#	Discards
1996	1	5	821	0.01	#	Discards
1997	1	5	1233	0.01	#	Discards
1998	1	5	1376	0.01	#	Discards
1999	1	5	1257	0.01	#	Discards
2000	1	5	1205	0.01	#	Discards
2001	1	5	1434	0.01	#	Discards
2002	1	5	1446	0.01	#	Discards
2003	1	5	1882	0.01	#	Discards
2004	1	5	2147	0.01	#	Discards
2005	1	5	1940	0.01	#	Discards
2006	1	5	2354	0.01	#	Discards
2007	1	5	2462	0.01	#	Discards
2008	1	5	2652	0.01	#	Discards
2009	1	5	2862	0.01	#	Discards
2010	1	5	3158	0.01	#	Discards
2011	1	5	2386	0.01	#	Discards
2012	1	5	1623	0.01	#	Discards
2013	1	5	1374	0.01	#	Discards

2014	1	5	1263	0.01	#	Discards
2015	1	5	1264	0.01	#	Discards
2016	1	5	1151	0.01	#	Discards
2017	1	5	969	0.01	#	Discards
2018	1	5	782	0.01	#	Discards
2019	1	5	898	0.01	#	Discards
1962	1	6	8609	0.01	#	Non-directed discards
1963	1	6	9423	0.01	#	Non-directed discards
1964	1	6	15914	0.01	#	Non-directed discards
1965	1	6	21361	0.01	#	Non-directed discards
1966	1	6	17774	0.01	#	Non-directed discards
1967	1	6	16337	0.01	#	Non-directed discards
1968	1	6	15216	0.01	#	Non-directed discards
1969	1	6	15230	0.01	#	Non-directed discards
1970	1	6	16290	0.01	#	Non-directed discards
1971	1	6	19720	0.01	#	Non-directed discards
1972	1	6	19280	0.01	#	Non-directed discards
1973	1	6	17533	0.01	#	Non-directed discards
1974	1	6	19025	0.01	#	Non-directed discards
1975	1	6	11906	0.01	#	Non-directed discards
1976	1	6	13750	0.01	#	Non-directed discards
1977	1	6	11776	0.01	#	Non-directed discards
1978	1	6	12243	0.01	#	Non-directed discards
1979	1	6	15284	0.01	#	Non-directed discards
1980	1	6	18702	0.01	#	Non-directed discards
1981	1	6	14861	0.01	#	Non-directed discards
1982	1	6	12372	0.01	#	Non-directed discards
1983	1	6	10884	0.01	#	Non-directed discards
1984	1	6	10190	0.01	#	Non-directed discards
1985	1	6	7701	0.01	#	Non-directed discards
1986	1	6	8762	0.01	#	Non-directed discards
1987	1	6	11280	0.01	#	Non-directed discards
1988	1	6	14662	0.01	#	Non-directed discards
1989	1	6	13645	0.01	#	Non-directed discards
1990	1	6	17682	0.01	#	Non-directed discards
1991	1	6	19670	0.01	#	Non-directed discards
1992	1	6	20293	0.01	#	Non-directed discards
1993	1	6	15964	0.01	#	Non-directed discards
1994	1	6	16952	0.01	#	Non-directed discards
1995	1	6	15932	0.01	#	Non-directed discards
1996	1	6	14464	0.01	#	Non-directed discards
1997	1	6	13513	0.01	#	Non-directed discards
1998	1	6	13158	0.01	#	Non-directed discards
1999	1	6	13544	0.01	#	Non-directed discards
2000	1	6	13022	0.01	#	Non-directed discards
2001	1	6	12875	0.01	#	Non-directed discards
2002	1	6	12086	0.01	#	Non-directed discards
2003	1	6	12069	0.01	#	Non-directed discards
2004	1	6	12050	0.01	#	Non-directed discards
2005	1	6	12736	0.01	#	Non-directed discards
2006	1	6	11508	0.01	#	Non-directed discards
2007	1	6	11358	0.01	#	Non-directed discards
2008	1	6	10911	0.01	#	Non-directed discards
2009	1	6	10588	0.01	#	Non-directed discards

2010	1	6	9747	0.01 #	Non-directed discards
2011	1	6	8501	0.01 #	Non-directed discards
2012	1	6	9293	0.01 #	Non-directed discards
2013	1	6	8926	0.01 #	Non-directed discards
2014	1	6	9080	0.01 #	Non-directed discards
2015	1	6	7607	0.01 #	Non-directed discards
2016	1	6	7159	0.01 #	Non-directed discards
2017	1	6	6213	0.01 #	Non-directed discards
2018	1	6	6109	0.01 #	Non-directed discards
2019	1	6	6436	0.01 #	Non-directed discards
1977	1	7	289	0.01 #	Recreational
1978	1	7	378	0.01 #	Recreational
1979	1	7	563	0.01 #	Recreational
1980	1	7	845	0.01 #	Recreational
1981	1	7	1112	0.01 #	Recreational
1982	1	7	1299	0.01 #	Recreational
1983	1	7	1616	0.01 #	Recreational
1984	1	7	1840	0.01 #	Recreational
1985	1	7	2355	0.01 #	Recreational
1986	1	7	3177	0.01 #	Recreational
1987	1	7	3509	0.01 #	Recreational
1988	1	7	4877	0.01 #	Recreational
1989	1	7	5233	0.01 #	Recreational
1990	1	7	5586	0.01 #	Recreational
1991	1	7	6509	0.01 #	Recreational
1992	1	7	6179	0.01 #	Recreational
1993	1	7	7725	0.01 #	Recreational
1994	1	7	7065	0.01 #	Recreational
1995	1	7	7462	0.01 #	Recreational
1996	1	7	8083	0.01 #	Recreational
1997	1	7	9025	0.01 #	Recreational
1998	1	7	8586	0.01 #	Recreational
1999	1	7	7379	0.01 #	Recreational
2000	1	7	9009	0.01 #	Recreational
2001	1	7	8104	0.01 #	Recreational
2002	1	7	8012	0.01 #	Recreational
2003	1	7	9347	0.01 #	Recreational
2004	1	7	10707	0.01 #	Recreational
2005	1	7	10863	0.01 #	Recreational
2006	1	7	10196	0.01 #	Recreational
2007	1	7	11465	0.01 #	Recreational
2008	1	7	10679	0.01 #	Recreational
2009	1	7	8791	0.01 #	Recreational
2010	1	7	7853	0.01 #	Recreational
2011	1	7	7104	0.01 #	Recreational
2012	1	7	6784	0.01 #	Recreational
2013	1	7	7633	0.01 #	Recreational
2014	1	7	7184	0.01 #	Recreational
2015	1	7	7456	0.01 #	Recreational
2016	1	7	7376	0.01 #	Recreational
2017	1	7	7596	0.01 #	Recreational
2018	1	7	6923	0.01 #	Recreational
2019	1	7	6921	0.01 #	Recreational
1991	1	8	2010	0.01 #	Subsistence

1992	1	8	1114	0.01 #	Subsistence
1993	1	8	932	0.01 #	Subsistence
1994	1	8	927	0.01 #	Subsistence
1995	1	8	650	0.01 #	Subsistence
1996	1	8	651	0.01 #	Subsistence
1997	1	8	713	0.01 #	Subsistence
1998	1	8	740	0.01 #	Subsistence
1999	1	8	744	0.01 #	Subsistence
2000	1	8	756	0.01 #	Subsistence
2001	1	8	772	0.01 #	Subsistence
2002	1	8	771	0.01 #	Subsistence
2003	1	8	1375	0.01 #	Subsistence
2004	1	8	1547	0.01 #	Subsistence
2005	1	8	1537	0.01 #	Subsistence
2006	1	8	1478	0.01 #	Subsistence
2007	1	8	1486	0.01 #	Subsistence
2008	1	8	1343	0.01 #	Subsistence
2009	1	8	1307	0.01 #	Subsistence
2010	1	8	1238	0.01 #	Subsistence
2011	1	8	1144	0.01 #	Subsistence
2012	1	8	1144	0.01 #	Subsistence
2013	1	8	1131	0.01 #	Subsistence
2014	1	8	1203	0.01 #	Subsistence
2015	1	8	1204	0.01 #	Subsistence
2016	1	8	1167	0.01 #	Subsistence
2017	1	8	1167	0.01 #	Subsistence
2018	1	8	1059	0.01 #	Subsistence
2019	1	8	1056	0.01 #	Subsistence
-9999	0	0	0	#	End catch data

#C Survey and CPUE setup

Units: 0 = numbers, 1 = biomass, 2 = F, >=30 special types

Error distribution: -1 = normal, 0 = lognormal, >0 = T-with DF

SD report: 0=don't report, 1=report variance on predictions

Fleet Units Errordist SDrep # Name

1	1	0	1	#	R2Commercial
2	1	0	1	#	R3Commercial
3	1	0	1	#	R4Commercial
4	1	0	1	#	R4BCommercial
5	1	0	0	#	Discards
6	1	0	0	#	Non-directed discards
7	1	0	0	#	Recreational
8	1	0	0	#	Subsistence
9	0	0	1	#	R2Survey
10	0	0	1	#	R3Survey
11	0	0	1	#	R4Survey
12	0	0	1	#	R4BSurvey

Survey and CPUE observations

Yr Month Fleet Obs log(SE) # Name

Region 2 Commercial updated 2019

1907	1007	1	280	0.1	# R2Commercial
1910	1007	1	271	0.1	# R2Commercial
1911	1007	1	237	0.1	# R2Commercial

1912	1007	1	176.0	0.1	# R2Commercial
1913	1007	1	128.94	0.1	# R2Commercial
1914	1007	1	124.13	0.1	# R2Commercial
1915	1007	1	118.02	0.1	# R2Commercial
1916	1007	1	114.60	0.1	# R2Commercial
1917	1007	1	81.80	0.1	# R2Commercial
1918	1007	1	87.50	0.1	# R2Commercial
1919	1007	1	82.30	0.1	# R2Commercial
1920	1007	1	84.10	0.1	# R2Commercial
1921	1007	1	76.46	0.1	# R2Commercial
1922	1007	1	62.44	0.1	# R2Commercial
1923	1007	1	56.68	0.1	# R2Commercial
1924	1007	1	55.39	0.1	# R2Commercial
1925	1007	1	51.21	0.1	# R2Commercial
1926	1007	1	51.67	0.1	# R2Commercial
1927	1007	1	48.83	0.1	# R2Commercial
1928	1007	1	47.27	0.1	# R2Commercial
1929	1007	1	38.55	0.1	# R2Commercial
1930	1007	1	34.44	0.1	# R2Commercial
1931	1007	1	38.48	0.1	# R2Commercial
1932	1007	1	47.50	0.1	# R2Commercial
1933	1007	1	50.16	0.1	# R2Commercial
1934	1007	1	54.07	0.1	# R2Commercial
1935	1007	1	61.77	0.1	# R2Commercial
1936	1007	1	54.66	0.1	# R2Commercial
1937	1007	1	61.48	0.1	# R2Commercial
1938	1007	1	70.33	0.1	# R2Commercial
1939	1007	1	61.90	0.1	# R2Commercial
1940	1007	1	61.71	0.1	# R2Commercial
1941	1007	1	62.54	0.1	# R2Commercial
1942	1007	1	65.43	0.1	# R2Commercial
1943	1007	1	72.24	0.1	# R2Commercial
1944	1007	1	86.84	0.1	# R2Commercial
1945	1007	1	79.69	0.1	# R2Commercial
1946	1007	1	83.78	0.1	# R2Commercial
1947	1007	1	86.30	0.1	# R2Commercial
1948	1007	1	88.61	0.1	# R2Commercial
1949	1007	1	85.01	0.1	# R2Commercial
1950	1007	1	87.66	0.1	# R2Commercial
1951	1007	1	87.63	0.1	# R2Commercial
1952	1007	1	95.58	0.1	# R2Commercial
1953	1007	1	128.65	0.1	# R2Commercial
1954	1007	1	137.97	0.1	# R2Commercial
1955	1007	1	122.20	0.1	# R2Commercial
1956	1007	1	132.02	0.1	# R2Commercial
1957	1007	1	100.95	0.1	# R2Commercial
1958	1007	1	101.96	0.1	# R2Commercial
1959	1007	1	98.67	0.1	# R2Commercial
1960	1007	1	105.02	0.1	# R2Commercial
1961	1007	1	96.00	0.1	# R2Commercial
1962	1007	1	84.76	0.1	# R2Commercial
1963	1007	1	77.73	0.1	# R2Commercial
1964	1007	1	75.27	0.1	# R2Commercial
1965	1007	1	86.47	0.1	# R2Commercial

1966	1007	1	82.59	0.1	# R2Commercial
1967	1007	1	81.44	0.1	# R2Commercial
1968	1007	1	86.58	0.1	# R2Commercial
1969	1007	1	81.53	0.1	# R2Commercial
1970	1007	1	73.62	0.1	# R2Commercial
1971	1007	1	76.05	0.1	# R2Commercial
1972	1007	1	69.47	0.1	# R2Commercial
1973	1007	1	64.41	0.1	# R2Commercial
1974	1007	1	60.89	0.1	# R2Commercial
1975	1007	1	61.87	0.1	# R2Commercial
1976	1007	1	44.39	0.1	# R2Commercial
1977	1007	1	64.17	0.1	# R2Commercial
1978	1007	1	54.06	0.1	# R2Commercial
1979	1007	1	55.80	0.1	# R2Commercial
1980	1007	1	59.54	0.1	# R2Commercial
1981	1007	1	73.84	0.1	# R2Commercial
1982	1007	1	71.85	0.1	# R2Commercial
1984	1007	1	151.95	0.045	# R2Commercial
1985	1007	1	161.59	0.051	# R2Commercial
1986	1007	1	137.26	0.035	# R2Commercial
1987	1007	1	135.53	0.027	# R2Commercial
1988	1007	1	168.40	0.054	# R2Commercial
1989	1007	1	154.92	0.042	# R2Commercial
1990	1007	1	194.64	0.043	# R2Commercial
1991	1007	1	170.62	0.039	# R2Commercial
1992	1007	1	167.66	0.04	# R2Commercial
1993	1007	1	200.04	0.031	# R2Commercial
1994	1007	1	175.74	0.027	# R2Commercial
1995	1007	1	190.73	0.025	# R2Commercial
1996	1007	1	208.81	0.042	# R2Commercial
1997	1007	1	237.52	0.035	# R2Commercial
1998	1007	1	221.23	0.029	# R2Commercial
1999	1007	1	249.48	0.079	# R2Commercial
2000	1007	1	230.01	0.036	# R2Commercial
2001	1007	1	202.84	0.039	# R2Commercial
2002	1007	1	214.81	0.032	# R2Commercial
2003	1007	1	208.95	0.018	# R2Commercial
2004	1007	1	192.88	0.028	# R2Commercial
2005	1007	1	178.98	0.024	# R2Commercial
2006	1007	1	180.22	0.024	# R2Commercial
2007	1007	1	158.14	0.023	# R2Commercial
2008	1007	1	138.83	0.02	# R2Commercial
2009	1007	1	152.95	0.02	# R2Commercial
2010	1007	1	185.21	0.037	# R2Commercial
2011	1007	1	179.95	0.019	# R2Commercial
2012	1007	1	193.96	0.02	# R2Commercial
2013	1007	1	192.78	0.026	# R2Commercial
2014	1007	1	210.44	0.026	# R2Commercial
2015	1007	1	217.37	0.024	# R2Commercial
2016	1007	1	212.66	0.019	# R2Commercial
2017	1007	1	213.49	0.02	# R2Commercial
2018	1007	1	197.07	0.026	# R2Commercial
2019	1007	1	191.04	0.063	# R2Commercial

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1915 1007	2	266.1	0.1	# R3Commercial
1916 1007	2	202.8	0.1	# R3Commercial
1917 1007	2	157.9	0.1	# R3Commercial
1918 1007	2	125.4	0.1	# R3Commercial
1919 1007	2	129.9	0.1	# R3Commercial
1920 1007	2	147.9	0.1	# R3Commercial
1921 1007	2	141.17	0.1	# R3Commercial
1922 1007	2	133.79	0.1	# R3Commercial
1923 1007	2	149.97	0.1	# R3Commercial
1924 1007	2	109.13	0.1	# R3Commercial
1925 1007	2	94.63	0.1	# R3Commercial
1926 1007	2	93.73	0.1	# R3Commercial
1927 1007	2	86.32	0.1	# R3Commercial
1928 1007	2	72.34	0.1	# R3Commercial
1929 1007	2	70.79	0.1	# R3Commercial
1930 1007	2	65.91	0.1	# R3Commercial
1931 1007	2	76.17	0.1	# R3Commercial
1932 1007	2	83.49	0.1	# R3Commercial
1933 1007	2	83.99	0.1	# R3Commercial
1934 1007	2	74.97	0.1	# R3Commercial
1935 1007	2	97.57	0.1	# R3Commercial
1936 1007	2	96.7	0.1	# R3Commercial
1937 1007	2	109.99	0.1	# R3Commercial
1938 1007	2	114.29	0.1	# R3Commercial
1939 1007	2	112.21	0.1	# R3Commercial
1940 1007	2	116.38	0.1	# R3Commercial
1941 1007	2	122.26	0.1	# R3Commercial
1942 1007	2	132.54	0.1	# R3Commercial
1943 1007	2	131.27	0.1	# R3Commercial
1944 1007	2	149.23	0.1	# R3Commercial
1945 1007	2	130.86	0.1	# R3Commercial
1946 1007	2	123.82	0.1	# R3Commercial
1947 1007	2	114.56	0.1	# R3Commercial
1948 1007	2	112.2	0.1	# R3Commercial
1949 1007	2	105.89	0.1	# R3Commercial
1950 1007	2	103.6	0.1	# R3Commercial
1951 1007	2	108.93	0.1	# R3Commercial
1952 1007	2	128.86	0.1	# R3Commercial
1953 1007	2	134.32	0.1	# R3Commercial
1954 1007	2	127.43	0.1	# R3Commercial
1955 1007	2	116.32	0.1	# R3Commercial
1956 1007	2	126.05	0.1	# R3Commercial
1957 1007	2	119.84	0.1	# R3Commercial
1958 1007	2	139.96	0.1	# R3Commercial
1959 1007	2	160.62	0.1	# R3Commercial
1960 1007	2	156.08	0.1	# R3Commercial
1961 1007	2	159.79	0.1	# R3Commercial
1962 1007	2	136.89	0.1	# R3Commercial
1963 1007	2	123.89	0.1	# R3Commercial
1964 1007	2	120.1	0.1	# R3Commercial
1965 1007	2	107.07	0.1	# R3Commercial
1966 1007	2	112.72	0.1	# R3Commercial
1967 1007	2	113	0.1	# R3Commercial
1968 1007	2	111.62	0.1	# R3Commercial

1969	1007	2	105.07	0.1	# R3Commercial
1970	1007	2	103.67	0.1	# R3Commercial
1971	1007	2	96.31	0.1	# R3Commercial
1972	1007	2	82.87	0.1	# R3Commercial
1973	1007	2	62.13	0.1	# R3Commercial
1974	1007	2	61.95	0.1	# R3Commercial
1975	1007	2	66.76	0.1	# R3Commercial
1976	1007	2	61.91	0.1	# R3Commercial
1977	1007	2	65.57	0.1	# R3Commercial
1978	1007	2	68.47	0.1	# R3Commercial
1979	1007	2	67.33	0.1	# R3Commercial
1980	1007	2	116.09	0.1	# R3Commercial
1981	1007	2	148.86	0.1	# R3Commercial
1982	1007	2	181.34	0.1	# R3Commercial
1984	1007	2	491.33	0.046	# R3Commercial
1985	1007	2	535.06	0.039	# R3Commercial
1986	1007	2	506	0.042	# R3Commercial
1987	1007	2	490.38	0.036	# R3Commercial
1988	1007	2	560.55	0.042	# R3Commercial
1989	1007	2	507.69	0.031	# R3Commercial
1990	1007	2	403.54	0.036	# R3Commercial
1991	1007	2	375.02	0.041	# R3Commercial
1992	1007	2	413.39	0.048	# R3Commercial
1993	1007	2	439.11	0.096	# R3Commercial
1994	1007	2	362.77	0.049	# R3Commercial
1995	1007	2	439.48	0.043	# R3Commercial
1996	1007	2	505.01	0.046	# R3Commercial
1997	1007	2	498.02	0.026	# R3Commercial
1998	1007	2	512.59	0.036	# R3Commercial
1999	1007	2	475.49	0.024	# R3Commercial
2000	1007	2	494.83	0.026	# R3Commercial
2001	1007	2	454.52	0.029	# R3Commercial
2002	1007	2	466.46	0.025	# R3Commercial
2003	1007	2	439.27	0.024	# R3Commercial
2004	1007	2	425.79	0.026	# R3Commercial
2005	1007	2	387.69	0.023	# R3Commercial
2006	1007	2	360.70	0.022	# R3Commercial
2007	1007	2	344.27	0.026	# R3Commercial
2008	1007	2	318.17	0.024	# R3Commercial
2009	1007	2	277.22	0.02	# R3Commercial
2010	1007	2	242.32	0.024	# R3Commercial
2011	1007	2	226.65	0.025	# R3Commercial
2012	1007	2	213.46	0.032	# R3Commercial
2013	1007	2	189.98	0.033	# R3Commercial
2014	1007	2	182.93	0.039	# R3Commercial
2015	1007	2	224.46	0.045	# R3Commercial
2016	1007	2	216.22	0.044	# R3Commercial
2017	1007	2	219.60	0.037	# R3Commercial
2018	1007	2	190.74	0.056	# R3Commercial
2019	1007	2	217.55	0.083	# R3Commercial

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1981	1007	3	136.84	0.1	# R4Commercial
1982	1007	3	98.68	0.1	# R4Commercial
1984	1007	3	386.9	0.1	# R4Commercial

1985	1007	3	456.18	0.099	# R4Commercial
1986	1007	3	308.7	0.062	# R4Commercial
1987	1007	3	360.93	0.159	# R4Commercial
1988	1007	3	405.68	0.105	# R4Commercial
1989	1007	3	387.41	0.078	# R4Commercial
1990	1007	3	370.26	0.095	# R4Commercial
1991	1007	3	367.06	0.157	# R4Commercial
1992	1007	3	324.01	0.117	# R4Commercial
1993	1007	3	399.87	0.448	# R4Commercial
1994	1007	3	343.14	0.333	# R4Commercial
1995	1007	3	330.22	0.1	# R4Commercial
1996	1007	3	427.58	0.138	# R4Commercial
1997	1007	3	417.44	0.107	# R4Commercial
1998	1007	3	411.86	0.089	# R4Commercial
1999	1007	3	385.64	0.061	# R4Commercial
2000	1007	3	406.43	0.084	# R4Commercial
2001	1007	3	363	0.213	# R4Commercial
2002	1007	3	296.56	0.082	# R4Commercial
2003	1007	3	251.12	0.072	# R4Commercial
2004	1007	3	235.23	0.072	# R4Commercial
2005	1007	3	219.59	0.063	# R4Commercial
2006	1007	3	178.26	0.064	# R4Commercial
2007	1007	3	154.65	0.055	# R4Commercial
2008	1007	3	162.55	0.071	# R4Commercial
2009	1007	3	174.43	0.055	# R4Commercial
2010	1007	3	143.97	0.08	# R4Commercial
2011	1007	3	143.25	0.056	# R4Commercial
2012	1007	3	139.17	0.08	# R4Commercial
2013	1007	3	122.7	0.072	# R4Commercial
2014	1007	3	116.04	0.092	# R4Commercial
2015	1007	3	136.04	0.065	# R4Commercial
2016	1007	3	128.3	0.066	# R4Commercial
2017	1007	3	126.95	0.079	# R4Commercial
2018	1007	3	115.66	0.058	# R4Commercial
2019	1007	3	105.19	0.231	# R4Commercial

Region 4B Commercial Updated 2019

1981	1007	4	99	0.078	# R4BCommercial
1984	1007	4	161	0.103	# R4BCommercial
1985	1007	4	234	0.16	# R4BCommercial
1986	1007	4	238	0.372	# R4BCommercial
1987	1007	4	220	0.111	# R4BCommercial
1988	1007	4	224	0.122	# R4BCommercial
1989	1007	4	268	0.094	# R4BCommercial
1990	1007	4	209	0.103	# R4BCommercial
1991	1007	4	329	0.085	# R4BCommercial
1992	1007	4	280	0.095	# R4BCommercial
1993	1007	4	218	0.22	# R4BCommercial
1994	1007	4	197	0.101	# R4BCommercial
1995	1007	4	189	0.336	# R4BCommercial
1996	1007	4	269	0.185	# R4BCommercial
1997	1007	4	275	0.064	# R4BCommercial
1998	1007	4	287	0.058	# R4BCommercial
1999	1007	4	310	0.045	# R4BCommercial
2000	1007	4	320	0.048	# R4BCommercial

2001	1007	4	270	0.076	# R4BCommercial
2002	1007	4	245	0.081	# R4BCommercial
2003	1007	4	196	0.068	# R4BCommercial
2004	1007	4	202	0.061	# R4BCommercial
2005	1007	4	238	0.093	# R4BCommercial
2006	1007	4	218	0.111	# R4BCommercial
2007	1007	4	230	0.108	# R4BCommercial
2008	1007	4	193	0.069	# R4BCommercial
2009	1007	4	189	0.097	# R4BCommercial
2010	1007	4	142	0.063	# R4BCommercial
2011	1007	4	165	0.103	# R4BCommercial
2012	1007	4	149	0.066	# R4BCommercial
2013	1007	4	127	0.064	# R4BCommercial
2014	1007	4	146	0.07	# R4BCommercial
2015	1007	4	149	0.076	# R4BCommercial
2016	1007	4	123	0.083	# R4BCommercial
2017	1007	4	120	0.082	# R4BCommercial
2018	1007	4	134	0.071	# R4BCommercial
2019	1007	4	120	0.232	# R4BCommercial

Region 2 survey NPUE updated October 2019

1977	7	9	0.6	0.112	# R2Survey
1978	7	9	0.8	0.112	# R2Survey
1980	7	9	1.2	0.112	# R2Survey
1981	7	9	0.8	0.112	# R2Survey
1982	7	9	1.84	0.112	# R2Survey
1983	7	9	2.3	0.112	# R2Survey
1984	7	9	6.74	0.112	# R2Survey
1985	7	9	5.65	0.112	# R2Survey
1986	7	9	4.54	0.112	# R2Survey
1993	7	9	6.26	0.095	# R2Survey
1994	7	9	7.39	0.102	# R2Survey
1995	7	9	8.7	0.072	# R2Survey
1996	7	9	7.77	0.058	# R2Survey
1997	7	9	7.18	0.055	# R2Survey
1998	7	9	6.13	0.057	# R2Survey
1999	7	9	5.12	0.055	# R2Survey
2000	7	9	5.62	0.055	# R2Survey
2001	7	9	6.5	0.051	# R2Survey
2002	7	9	6.46	0.052	# R2Survey
2003	7	9	5.56	0.054	# R2Survey
2004	7	9	5.14	0.053	# R2Survey
2005	7	9	5.59	0.052	# R2Survey
2006	7	9	5.54	0.054	# R2Survey
2007	7	9	6.14	0.053	# R2Survey
2008	7	9	6.15	0.052	# R2Survey
2009	7	9	6.26	0.052	# R2Survey
2010	7	9	6.26	0.051	# R2Survey
2011	7	9	6.27	0.05	# R2Survey
2012	7	9	7.27	0.05	# R2Survey
2013	7	9	7.08	0.05	# R2Survey
2014	7	9	7.32	0.048	# R2Survey
2015	7	9	8.08	0.047	# R2Survey
2016	7	9	8.18	0.048	# R2Survey
2017	7	9	5.95	0.048	# R2Survey

2018 7	9	5.23	0.045	# R2Survey
2019 7	9	5.47	0.048	# R2Survey
### Region 3 survey NPUE updated October 2019				
1977 7	10	2.00	0.115	# R3Survey
1978 7	10	1.30	0.115	# R3Survey
1979 7	10	1.90	0.115	# R3Survey
1980 7	10	2.50	0.115	# R3Survey
1981 7	10	3.80	0.115	# R3Survey
1982 7	10	3.80	0.115	# R3Survey
1983 7	10	3.40	0.115	# R3Survey
1984 7	10	11.6	0.115	# R3Survey
1985 7	10	11.9	0.115	# R3Survey
1986 7	10	7.80	0.115	# R3Survey
1993 7	10	24.1	0.124	# R3Survey
1994 7	10	23.9	0.097	# R3Survey
1995 7	10	25.51	0.089	# R3Survey
1996 7	10	26.22	0.062	# R3Survey
1997 7	10	28.26	0.058	# R3Survey
1998 7	10	24.41	0.061	# R3Survey
1999 7	10	23.82	0.061	# R3Survey
2000 7	10	25.75	0.055	# R3Survey
2001 7	10	22.50	0.055	# R3Survey
2002 7	10	24.89	0.05	# R3Survey
2003 7	10	24.59	0.054	# R3Survey
2004 7	10	27.56	0.052	# R3Survey
2005 7	10	23.29	0.051	# R3Survey
2006 7	10	21.98	0.051	# R3Survey
2007 7	10	23.54	0.052	# R3Survey
2008 7	10	21.36	0.053	# R3Survey
2009 7	10	20.06	0.054	# R3Survey
2010 7	10	20.19	0.052	# R3Survey
2011 7	10	20.61	0.051	# R3Survey
2012 7	10	21.01	0.049	# R3Survey
2013 7	10	16.23	0.049	# R3Survey
2014 7	10	19.14	0.046	# R3Survey
2015 7	10	19.46	0.047	# R3Survey
2016 7	10	19.53	0.047	# R3Survey
2017 7	10	13.90	0.045	# R3Survey
2018 7	10	12.84	0.044	# R3Survey
2019 7	10	11.55	0.049	# R3Survey

### Region 4 survey NPUE updated October 2019				
1993 7	11	1.80	0.153	# R4Survey
1994 7	11	2.07	0.126	# R4Survey
1995 7	11	2.10	0.122	# R4Survey
1996 7	11	2.37	0.101	# R4Survey
1997 7	11	2.63	0.066	# R4Survey
1998 7	11	2.73	0.067	# R4Survey
1999 7	11	2.36	0.07	# R4Survey
2000 7	11	2.50	0.066	# R4Survey
2001 7	11	2.31	0.066	# R4Survey
2002 7	11	2.21	0.068	# R4Survey
2003 7	11	2.06	0.068	# R4Survey
2004 7	11	2.03	0.067	# R4Survey
2005 7	11	2.06	0.07	# R4Survey

2006 7	11	2.10	0.062	# R4Survey
2007 7	11	2.06	0.064	# R4Survey
2008 7	11	2.41	0.068	# R4Survey
2009 7	11	2.41	0.065	# R4Survey
2010 7	11	2.26	0.06	# R4Survey
2011 7	11	2.16	0.061	# R4Survey
2012 7	11	2.19	0.055	# R4Survey
2013 7	11	1.96	0.054	# R4Survey
2014 7	11	2.03	0.05	# R4Survey
2015 7	11	2.03	0.054	# R4Survey
2016 7	11	1.86	0.059	# R4Survey
2017 7	11	1.72	0.061	# R4Survey
2018 7	11	1.60	0.064	# R4Survey
2019 7	11	1.64	0.075	# R4Survey

Region 4B survey NPUE updated October 2019

1993 7	12	9.91	0.313	# R4BSurvey
1994 7	12	10.13	0.281	# R4BSurvey
1995 7	12	10.4	0.235	# R4BSurvey
1996 7	12	10.66	0.183	# R4BSurvey
1997 7	12	10.91	0.107	# R4BSurvey
1998 7	12	11.02	0.116	# R4BSurvey
1999 7	12	9.42	0.137	# R4BSurvey
2000 7	12	8.63	0.17	# R4BSurvey
2001 7	12	6.71	0.172	# R4BSurvey
2002 7	12	4.87	0.21	# R4BSurvey
2003 7	12	4.01	0.22	# R4BSurvey
2004 7	12	3.71	0.21	# R4BSurvey
2005 7	12	3.56	0.208	# R4BSurvey
2006 7	12	4.15	0.191	# R4BSurvey
2007 7	12	5.29	0.18	# R4BSurvey
2008 7	12	5.12	0.175	# R4BSurvey
2009 7	12	4.33	0.192	# R4BSurvey
2010 7	12	4.05	0.199	# R4BSurvey
2011 7	12	4.07	0.184	# R4BSurvey
2012 7	12	3.68	0.181	# R4BSurvey
2013 7	12	4.99	0.144	# R4BSurvey
2014 7	12	4.47	0.152	# R4BSurvey
2015 7	12	4.45	0.157	# R4BSurvey
2016 7	12	4.96	0.138	# R4BSurvey
2017 7	12	3.97	0.091	# R4BSurvey
2018 7	12	4.10	0.146	# R4BSurvey
2019 7	12	4.20	0.197	# R4BSurvey

-9999 1 1 1 1 # End of CPUE data marker

Data setup

0 # Number of fleets with discard data

0 # Use mean body weight obs: 0=no, 1=yes

2 # Length bin method: 1=use databins, 2=generate from binwidth,min,max below, 3=read vector

10 # Bin width for population size comp

10 # Minimum size in the population (lower edge of first bin and size at age 0.00)

250 # Maximum size in the population (lower edge of last bin)

0 # Use length composition data: 0=no, 1=yes

Age composition data setup

```

24 # Number of age data bins
# age data bins
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25
2 # Number of ageing error definitions
# Ageing error definitions
# 1 - Break-and-bake
0.50 1.50 2.50 3.50 4.50 5.50 6.50 7.50 8.50 9.50 10.50 11.50 12.50 13.50 14.50 15.50 16.50
17.50 18.50 19.50 20.50 21.50 22.50 23.50 24.50 25.50 26.50 27.50 28.50
29.50 30.50
0.00 0.00 0.00 0.00 0.19 0.29 0.38 0.47 0.55 0.62 0.68 0.74 0.79 0.84 0.88 0.92 0.95 0.98 1.01 1.04 1.06 1.08 1.10 1.12
1.13 1.15 1.16 1.17 1.18 1.19 1.20
# 2 - Surface from re-ageing
0.50 1.50 2.50 3.50 4.40 5.30 6.26 7.30 8.32 9.32 10.28 11.23 12.15 13.04 13.91 14.77 15.59
16.40 17.19 17.96 18.70 19.43 20.14 20.83 21.51 22.16 22.80 23.43 24.03
24.63 25.20
0.03 0.03 0.03 0.03 0.03 0.33 0.35 0.37 0.39 0.42 0.56 0.70 0.83 0.95 1.09 1.23 1.38 1.54 1.72 1.90 2.10 2.30 2.50 2.71
2.92 3.13 3.33 3.54 3.74 3.94 4.13

```

```

# Bin compression and error structure for age data by fleet
# tailcomp constadded combineMF compressbins errordist Dirparnum minsampsize

```

```

0.001 0.0001 0 0 0 0 1 # R2Commercial
0.001 0.0001 0 0 0 0 1 # R3Commercial
0.001 0.0001 0 0 0 0 1 # R4Commercial
0.001 0.0001 0 0 0 0 1 # R4BCommercial
0.001 0.0001 0 0 0 0 1 # Discards
0.001 0.0001 0 0 0 0 1 # Non-directed discards
0.001 0.0001 0 0 0 0 1 # Recreational
0.001 0.0001 0 0 0 0 1 # Subsistence
0.001 0.0001 0 0 0 0 1 # R2Survey
0.001 0.0001 0 0 0 0 1 # R3Survey
0.001 0.0001 0 0 0 0 1 # R4Survey
0.001 0.0001 0 0 0 0 1 # R4BSurvey

```

```

1 # Length bins for age data method: 1=poplenbins; 2=datalenbins; 3=raw lengths

```

```

#### Age composition data ####

```

```

# Yr Month Flt Sex Part Ageerr Lbin_lo Lbin_hi Nsamp datavector(female-male)
# Region 2 Commercial fishery sexes-aggregated updated 2019
1935 1007 1 0 0 2 -1 -1 50 0 0.0033 0.0137 0.0146 0.1279 0.23 0.1801 0.2093 0.154 0.0364 0.0153 0.0046 0.0048
0.0019 0.003 2e-04 3e-04 4e-04 4e-04 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
1936 1007 1 0 0 2 -1 -1 50 0 0.0105 0.0185 0.018 0.0653 0.2034 0.1575 0.13 0.1447 0.0966 0.0567 0.04 0.021 0.0108
0.0106 0.007 0.0037 0.0023 0.0033 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
1937 1007 1 0 0 2 -1 -1 50 0 0.0026 0.0416 0.0348 0.0411 0.1518 0.2372 0.126 0.0912 0.0967 0.0705 0.0385 0.0152
0.0233 0.0062 0.0059 0.0049 0.0048 0.0076 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
1938 1007 1 0 0 2 -1 -1 50 0 0.0015 0.0293 0.0661 0.077 0.1682 0.2274 0.1847 0.0622 0.0464 0.0478 0.031 0.0253
0.0116 0.0076 0.0052 0.0026 0.0025 0.0039 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
1939 1007 1 0 0 2 -1 -1 50 0 0.0236 0.0451 0.0697 0.1313 0.2045 0.1622 0.1411 0.0573 0.0539 0.0411 0.0304 0.0157
0.0123 0.0051 0.0031 0.0014 0.0021 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
1940 1007 1 0 0 2 -1 -1 50 0 0.0179 0.102 0.0928 0.1217 0.128 0.1455 0.1442 0.095 0.0479 0.0288 0.0274 0.0246
0.01 0.0068 0.004 9e-04 0.0025 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
1941 1007 1 0 0 2 -1 -1 50 0 0.0219 0.0496 0.1292 0.1156 0.1939 0.1348 0.135 0.072 0.0767 0.0255 0.0148 0.0223
0.0034 0.0035 5e-04 5e-04 8e-04 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
1942 1007 1 0 0 2 -1 -1 50 0 0.001 0.0253 0.037 0.0854 0.2257 0.1022 0.1304 0.1036 0.0791 0.0596 0.0615 0.0261
0.0156 0.0179 0.0088 0.0101 0.0049 0.0059 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
1943 1007 1 0 0 2 -1 -1 50 0 8e-04 0.0056 0.0308 0.111 0.2667 0.2487 0.0875 0.0602 0.0473 0.047 0.0407 0.0211

```


2017 1007 2 3 0 1 -1 -1 152 0 0 0 0 0.0026 0.005 0.0053 0.0193 0.0244 0.0417 0.0785 0.0618 0.042 0.0309 0.0198
0.0154 0.0104 0.0059 0.0045 9e-04 9e-04 9e-04 6e-04 6e-04 0 0 0 0 1e-04 3e-04 0 0.0011 0.0015 0.0024 0.0034 0.0057
0.0063 0.0081 0.007 0.0102 0.0089 0.0039 0.0078 0.002 0.0037 0.0016 0.0027 0.005
2018 1007 2 3 0 1 -1 -1 178 0 0 0 0 0.0034 0.0079 0.0099 0.0122 0.0207 0.0316 0.0598 0.0805 0.0661 0.0598 0.0265
0.0154 0.0138 0.0081 0.005 0.0023 0.001 7e-04 6e-04 9e-04 0 0 0 0 9e-04 0.0021 0.0014 0.0021 0.0011 0.0047
0.0083 0.0063 0.0136 0.0117 0.0112 0.0138 0.0094 0.0143 0.005 0.0046 0.0032 0.002 0.0049
Region 4 Commercial fishery sexes-aggregated updated 2019
1945 1007 3 0 0 2 -1 -1 5 0 0 0 0 0.0091 0.0259 0.0863 0.109 0.1377 0.1285 0.1341 0.1463 0.0842 0.0502 0.0337
0.0237 0.0106 0.01 0.0107 0
1946 1007 3 0 0 2 -1 -1 5 0 0 0 0 0.0091 0.0259 0.0863 0.109 0.1377 0.1285 0.1341 0.1463 0.0842 0.0502 0.0337
0.0237 0.0106 0.01 0.0107 0
1947 1007 3 0 0 2 -1 -1 5 0 0 0 0 0.0091 0.0259 0.0863 0.109 0.1377 0.1285 0.1341 0.1463 0.0842 0.0502 0.0337
0.0237 0.0106 0.01 0.0107 0
1948 1007 3 0 0 2 -1 -1 5 0 0 0 0 0.0091 0.0259 0.0863 0.109 0.1377 0.1285 0.1341 0.1463 0.0842 0.0502 0.0337
0.0237 0.0106 0.01 0.0107 0
1949 1007 3 0 0 2 -1 -1 5 0 0 0 0 0.0073 0.0209 0.0804 0.1077 0.1378 0.1296 0.1318 0.1521 0.0811 0.0498 0.0357
0.0292 0.0148 0.0096 0.0121 0
1950 1007 3 0 0 2 -1 -1 5 0 0 0 0 0.0069 0.0096 0.0503 0.1238 0.1529 0.1872 0.1335 0.1178 0.1022 0.0365 0.0257
0.0272 0.0088 0.0062 0.0113 0
1951 1007 3 0 0 2 -1 -1 5 0 0 0 0 0.003 0.01 0.066 0.115 0.164 0.156 0.136 0.139 0.071 0.077 0.028 0.017 0.01 0 0.008
0
1952 1007 3 0 0 2 -1 -1 5 0 0 0 0 0.0036 0.0195 0.1731 0.1387 0.2012 0.1538 0.1235 0.0724 0.0485 0.0281 0.0123
0.0058 0.0047 0.0065 0.0082 0
1953 1007 3 0 0 2 -1 -1 5 0 0 0 0 0.0038 0.0499 0.0479 0.1893 0.1655 0.1946 0.1321 0.086 0.0761 0.0218 0.0077
0.0128 0.0089 0 0.0036 0
1954 1007 3 0 0 2 -1 -1 5 0 0 0 0 0.0087 0.0684 0.0485 0.2779 0.1351 0.1792 0.0987 0.0771 0.0381 0.0208 0.0225
0.0043 0.0043 0.0164 0
1955 1007 3 0 0 2 -1 -1 5 0 0 0 0 0.0118 0.0271 0.0578 0.1238 0.0943 0.1969 0.1179 0.1038 0.0778 0.0649 0.0436
0.033 0.0189 0.0118 0.0165 0
1956 1007 3 0 0 2 -1 -1 5 0 0 0 7e-04 0.0028 0.0092 0.0258 0.03 0.0808 0.0629 0.1718 0.1095 0.1169 0.0796 0.0572
0.0511 0.0604 0.0413 0.1001 0
1957 1007 3 0 0 2 -1 -1 5 0 0 0 0 0.0014 0.0054 0.0095 0.0135 0.0244 0.0663 0.1245 0.0704 0.1123 0.0798 0.1056
0.0866 0.0825 0.2179 0
1958 1007 3 0 0 2 -1 -1 5 0 0 0 4e-04 0.0151 0.0586 0.0859 0.1385 0.09 0.1294 0.0788 0.1001 0.0556 0.0445 0.0414
0.0384 0.0384 0.0848 0
1959 1007 3 0 0 2 -1 -1 5 0 0 0 1e-04 0.0029 0.0398 0.1886 0.2392 0.1767 0.1281 0.0519 0.0444 0.021 0.0188 0.0128
0.0203 0.0184 0.0126 0.0245 0
1960 1007 3 0 0 2 -1 -1 5 0 0 0 0 0.0087 0.04 0.1054 0.2999 0.2406 0.1215 0.0611 0.0364 0.0239 0.019 0.0086 0.01
0.0061 0.0084 0.0105 0
1961 1007 3 0 0 2 -1 -1 5 0 0 0 0 0.0057 0.0365 0.0772 0.1179 0.348 0.1968 0.0843 0.0344 0.0184 0.0059 0.0133
0.0102 0.0109 0.0144 0.026 0
1962 1007 3 0 0 2 -1 -1 5 0 0 0 6e-04 0.06 0.0961 0.1307 0.1734 0.31 0.1044 0.0326 0.0238 0.0151 0.0096 0.0096
0.0073 0.0071 0.0197 0
1963 1007 3 0 0 2 -1 -1 5 0 0 0 0 0.0053 0.0278 0.1897 0.1607 0.1459 0.1281 0.1699 0.0609 0.0234 0.017 0.0203
0.0117 0.0058 0.0083 0.0252 0
1964 1007 3 0 0 2 -1 -1 14 0 0 0 0 0.0076 0.0226 0.0488 0.2612 0.1705 0.1484 0.1024 0.1277 0.0386 0.0167 0.0127
0.0154 0.0063 0.0031 0.0181 0
1965 1007 3 0 0 2 -1 -1 12 0 0 0 0 0.0068 0.0725 0.1108 0.0804 0.2581 0.0882 0.0671 0.0543 0.0575 0.0361 0.0304
0.0326 0.0293 0.0162 0.0596 0
1966 1007 3 0 0 2 -1 -1 12 0 0 0 0 0.0057 0.0069 0.0233 0.1475 0.1619 0.0787 0.2183 0.0593 0.0579 0.0341 0.0564
0.0419 0.0442 0.0266 0.0064 0.0308 0
1967 1007 3 0 0 2 -1 -1 20 0 0 0 2e-04 0.023 0.0241 0.0564 0.2517 0.1652 0.0708 0.1289 0.0431 0.0397 0.0373 0.0393
0.0323 0.0306 0.0204 0.0371 0
1968 1007 3 0 0 2 -1 -1 14 0 0 0 0 0.0045 0.0825 0.039 0.0716 0.2514 0.1383 0.0717 0.1137 0.0415 0.0418 0.0328

2017 1007 4 3 0 1 -1 -1 15 0 0 0 0 0 4e-04 4e-04 0.0077 0.0169 0.0473 0.094 0.0763 0.0429 0.0206 0.011 0.0114
0.0066 0.0022 0.0018 0.0018 0.0018 0.0015 0.0026 0.0121 0 0 0 4e-04 0 0 0 4e-04 0.0018 0.007 0.0136 0.0213 0.0242
0.0195 0.0209 0.0161 0.0121 0.0088 0.0051 0.0051 0.004 0.004 0.0055 0.0206
2018 1007 4 3 0 1 -1 -1 17 0 0 0 0 0 0.0023 0.0042 0.0139 0.0235 0.049 0.0594 0.0451 0.0324 0.0181 0.0116 0.0085
0.0042 0.0054 0.0023 0.0012 0.0019 0.0019 0.0058 0 0 0 0 0 8e-04 0.0012 8e-04 0.0039 0.0031 0.0069 0.0108 0.0204
0.0228 0.0177 0.0135 0.0123 0.0054 0.0081 0.005 0.0027 0.0046 4e-04 0.0189
Sub-legal survey proportions at age by sex (proxy for discards) updated 2019
1997 1007 5 3 0 2 -1 -1 710 0 0 0 0.0036 0.0098 0.0341 0.0463 0.0994 0.1523 0.0418 0.0066 0.0022 0.0023 4e-04 0
0.0012 0 6e-04 0 0 0 0 0 0 0.0024 0.0064 0.0209 0.0497 0.109 0.2136 0.0632 0.0517 0.0389 0.0269 0.0117 0.0035
0.0015 0 0 0 0 0 0 0
1998 1007 5 3 0 1 -1 -1 458 0 0 0 0.0045 0.026 0.0391 0.0515 0.0546 0.0564 0.0802 0.0185 0.0087 0.0035 3e-04 0
0.0034 0 0 0 0 0 0 0 0.0018 0.0119 0.0146 0.0241 0.0553 0.1087 0.1848 0.0842 0.0409 0.0543 0.0347 0.0203
0.0121 0.0017 0.0017 0.0024 0 0 0 0
1999 1007 5 3 0 2 -1 -1 672 0 0 0 0.0058 0.0161 0.0393 0.0505 0.0558 0.0498 0.0461 0.0301 0.0054 1e-04 0 0 6e-04 0
0 0 0 0 0 0 0 0.0051 0.0098 0.0242 0.0402 0.072 0.0891 0.1569 0.1784 0.0527 0.034 0.0175 0.0116 0.004 0.0029
0.0018 0 0 0 0 0
2000 1007 5 3 0 2 -1 -1 719 0 0 0 0.0078 0.0265 0.0336 0.0554 0.0645 0.0429 0.0356 0.0317 0.0132 0.0022 6e-04 5e-
04 0 0 0 0 0 0 0 0.0056 0.0162 0.0211 0.0501 0.0597 0.084 0.1046 0.1406 0.1268 0.0364 0.0188 0.0137
0.0051 0.0016 1e-04 0.001 0 0 0 0
2001 1007 5 3 0 2 -1 -1 716 0 0 0 0.0075 0.0197 0.0418 0.0508 0.0515 0.054 0.0438 0.0227 0.0154 0.0082 0.0015 9e-
04 0 0 0.0011 0 0 0 0 0 0 0.0057 0.0165 0.039 0.0359 0.0549 0.0618 0.0766 0.1108 0.1179 0.0925 0.0365 0.0214
0.0054 0.0046 5e-04 0.0011 0 0 0 0
2002 1007 5 3 0 1 -1 -1 774 0 0 0 0.0051 0.0248 0.0755 0.0849 0.0422 0.0345 0.0339 0.0236 0.006 0.0044 0.0042 1e-
04 0 0 1e-04 0 0 0 0 0 0 0.0064 0.0138 0.0409 0.0819 0.05 0.0582 0.0595 0.0667 0.0522 0.0618 0.0941 0.0319
0.018 0.008 0.0101 0.003 0.0031 0.001 0 0 0
2003 1007 5 3 0 1 -1 -1 767 0 0 0 0.0088 0.0299 0.0571 0.0763 0.0851 0.0493 0.0239 0.0245 0.0043 0.0067 0.0025 9e-
04 0 0 1e-04 0 0 0 0 0 0 0.0066 0.011 0.0386 0.0837 0.0761 0.0616 0.0435 0.0596 0.0484 0.0504 0.0513 0.0504
0.0247 0.0108 0.0052 0.0036 0.0027 7e-04 0.0011 5e-04 0
2004 1007 5 3 0 1 -1 -1 847 0 0 0 0.0185 0.0355 0.0499 0.0721 0.0834 0.0532 0.0162 0.0075 0.004 7e-04 8e-04 0.0016
1e-04 0 0 0 0 0 0 0 0.0087 0.0226 0.0332 0.0668 0.1121 0.0935 0.0451 0.0488 0.047 0.0394 0.0373 0.0333
0.0329 0.0156 0.0065 0.0068 0.0038 9e-04 0 9e-04 0.0011
2005 1007 5 3 0 1 -1 -1 759 0 0 0 0.0098 0.0486 0.069 0.0612 0.0562 0.0662 0.0399 0.0141 0.0052 0.003 0.0023
0.0019 0.0016 0.0016 5e-04 0 0 0 0 5e-04 0 0 0 0.0041 0.0206 0.0487 0.0444 0.0635 0.0906 0.0752 0.0465 0.0448
0.0272 0.0311 0.0315 0.0306 0.0279 0.0131 0.0077 0.0036 0.0038 0.0017 0.001 5e-04
2006 1007 5 3 0 1 -1 -1 919 0 0 0 0.0083 0.0554 0.1158 0.0953 0.057 0.0453 0.0293 0.0128 0.0048 0.002 0.0018
0.0016 4e-04 6e-04 3e-04 5e-04 0 0 0 0 0 0.004 0.0254 0.0595 0.0676 0.0554 0.0558 0.0749 0.0639 0.0339
0.0245 0.0288 0.0175 0.0148 0.0173 0.015 0.0052 0.0025 0.0012 7e-04 5e-04 0
2007 1007 5 3 0 1 -1 -1 928 0 0 0 0.0064 0.0262 0.1032 0.1368 0.0903 0.0434 0.0239 0.0155 0.0079 0.0015 4e-04 1e-
04 0 0 2e-04 0 0 0 0 2e-04 0 0 0 0.0036 0.0144 0.0563 0.0749 0.0772 0.0643 0.0581 0.0583 0.0446 0.0182 0.0157
0.0152 0.0133 0.01 0.0079 0.0072 0.0033 0.001 2e-04 0 1e-04
2008 1007 5 3 0 1 -1 -1 965 0 0 0 0.0012 0.0196 0.0496 0.1227 0.1283 0.0944 0.0403 0.0176 0.009 0.0027 0.0043 4e-
04 3e-04 1e-04 1e-04 0 0 3e-04 0 0 0 0 7e-04 0.0123 0.0274 0.0613 0.0851 0.0748 0.0528 0.0441 0.0466 0.0306
0.0208 0.0137 0.0086 0.008 0.0052 0.0068 0.0047 0.0026 0.0012 0.001 7e-04
2009 1007 5 3 0 1 -1 -1 972 0 0 0 0.0047 0.0234 0.0665 0.0926 0.1177 0.1139 0.0521 0.0183 0.0067 0.0017 0.0011 3e-
04 0 4e-04 0 0 4e-04 0 0 0 0 0 0.0013 0.0117 0.0403 0.0523 0.0724 0.0954 0.0692 0.039 0.0349 0.0294 0.0181
0.0127 0.0068 0.006 0.0023 0.0018 0.0019 0.0032 6e-04 3e-04 6e-04
2010 1007 5 3 0 1 -1 -1 900 0 0 0 0.0019 0.0138 0.0434 0.1011 0.095 0.0924 0.0716 0.0343 0.0106 0.0042 0.0021
0.0014 0 0 0 0 0 0 0 0.0019 0.0061 0.0238 0.0596 0.07 0.0838 0.088 0.0658 0.0332 0.0266 0.023 0.0218
0.0066 0.0068 0.0036 0.002 0.0018 0.0013 0.0018 7e-04 3e-04
2011 1007 5 3 0 1 -1 -1 987 0 0 0 8e-04 0.0128 0.0363 0.0791 0.1074 0.0917 0.0667 0.0465 0.0133 0.0061 0.0018
0.0011 3e-04 2e-04 2e-04 0 0 0 0 4e-04 0 0 0 0.0011 0.007 0.0177 0.0453 0.0813 0.0728 0.0768 0.0769 0.051 0.0302
0.0261 0.0199 0.0105 0.0073 0.0024 0.0028 0.001 0.0018 0.0014 6e-04 0.0013
2012 1007 5 3 0 1 -1 -1 937 0 0 0 0.0017 0.0127 0.0583 0.0844 0.0933 0.1041 0.0553 0.0372 0.0164 0.0082 0.002 5e-
04 2e-04 4e-04 0 0 0 0 0 0 0.001 0.0111 0.0243 0.041 0.0663 0.0817 0.0716 0.0762 0.0579 0.0315 0.02 0.0152

0.0134 0.0076 0.0028 0.0012 6e-04 2e-04 0.0012 0 6e-04
2013 1007 5 3 0 1 -1 -1 947 0 0 0 0.0012 0.0072 0.0268 0.0976 0.1121 0.0986 0.083 0.0339 0.0208 0.0094 0.0035
0.0022 0.0016 5e-04 0 0 0 0 0 0 0 0 0 0.0011 0.0028 0.0101 0.0344 0.0609 0.0716 0.0736 0.0576 0.0604 0.049 0.0283
0.0199 0.0119 0.0103 0.0053 0.001 0.0019 7e-04 2e-04 2e-04 7e-04
2014 1007 5 3 0 1 -1 -1 1098 0 0 0 7e-04 0.009 0.0211 0.0632 0.1372 0.1193 0.0766 0.0413 0.0171 0.0083 0.003
0.0011 2e-04 3e-04 0 0 0 0 0 0 0 0 0 6e-04 0.0043 0.0115 0.0313 0.0714 0.0777 0.0699 0.0639 0.0424 0.0431 0.0344
0.0192 0.0118 0.0093 0.0037 0.0025 0.0021 0.0014 7e-04 2e-04 3e-04
2015 1007 5 3 0 1 -1 -1 1066 0 0 0 0.0018 0.0072 0.036 0.0483 0.0922 0.1439 0.0768 0.0361 0.0171 0.0066 0.002
0.0015 3e-04 0 2e-04 0 0 0 0 0 2e-04 0 0 0 9e-04 0.0034 0.0184 0.0251 0.0544 0.0943 0.0878 0.0645 0.0486 0.0361
0.0396 0.03 0.0125 0.0059 0.0033 0.0026 9e-04 6e-04 5e-04 0 4e-04
2016 1007 5 3 0 1 -1 -1 1031 0 0 0 0.0046 0.0091 0.0125 0.0508 0.049 0.0665 0.101 0.0668 0.0238 0.0114 0.0072
0.0028 0.0014 9e-04 0 3e-04 0 0 0 0 0 0 0 0.0018 0.0034 0.0072 0.035 0.0374 0.0677 0.1194 0.1022 0.0614 0.0437
0.0382 0.0277 0.0245 0.0117 0.0045 0.0032 0.0015 6e-04 7e-04 0 3e-04
2017 1007 5 3 0 1 -1 -1 925 0 0 0 0.0111 0.0208 0.0241 0.0269 0.0692 0.06 0.054 0.061 0.0273 0.0099 0.0033 7e-04
0.0018 1e-04 0 1e-04 0 0 0 0 0 0 0 0.0017 0.009 0.0095 0.0201 0.0592 0.062 0.0792 0.1159 0.0847 0.0597 0.0432
0.024 0.0189 0.0224 0.0111 0.0055 0.0014 0.0013 9e-04 0 0
2018 1007 5 3 0 1 -1 -1 970 0 0 0 0.0077 0.0597 0.0658 0.04 0.0317 0.0495 0.042 0.0365 0.0269 0.0133 0.008 0.0014
0.0012 6e-04 2e-04 0 0 0 1e-04 0 0 0 0 0.0026 0.0198 0.0234 0.0252 0.0313 0.065 0.0577 0.0791 0.0981 0.0687
0.0526 0.0292 0.0207 0.0167 0.0117 0.0079 0.0023 0.0016 8e-04 3e-04 7e-04
2019 1007 5 3 0 1 -1 -1 1008 0 0 0 0.0139 0.031 0.1162 0.0831 0.041 0.0242 0.0259 0.0204 0.0114 0.0124 0.0057 8e-
04 0.0015 0.0013 5e-04 4e-04 0 0 0 0 0 0 0.0061 0.0168 0.0495 0.0372 0.0303 0.0368 0.058 0.0642 0.0661 0.0797
0.0611 0.0406 0.0252 0.0156 0.0106 0.0078 0.002 0.0016 0 4e-04 5e-04

Non-directed discard ages updated 2019

1974 1007 6 0 0 2 -1 -1 50 0.0202 0.0884 0.2512 0.2122 0.1383 0.0779 0.0472 0.0356 0.0247 0.0207 0.0174 0.013
0.0095 0.0435 0
1975 1007 6 0 0 2 -1 -1 50 0.0281 0.0801 0.2171 0.1887 0.1313 0.0828 0.0561 0.0456 0.0332 0.0283 0.0238 0.0176
0.0126 0.0546 0
1976 1007 6 0 0 2 -1 -1 50 0.0285 0.0819 0.2227 0.1925 0.1324 0.0823 0.0552 0.0448 0.0325 0.0274 0.0227 0.0166
0.0118 0.0487 0
1977 1007 6 0 0 2 -1 -1 50 0.0508 0.0559 0.1178 0.1136 0.1036 0.0921 0.0796 0.0738 0.058 0.0507 0.0437 0.0323
0.0235 0.1046 0
1978 1007 6 0 0 2 -1 -1 50 0.0331 0.0322 0.0789 0.1145 0.1235 0.1144 0.0947 0.0836 0.0631 0.0544 0.0464 0.0341
0.0241 0.1031 0
1979 1007 6 0 0 2 -1 -1 50 0.0178 0.0364 0.0883 0.1113 0.1176 0.1109 0.0949 0.0859 0.066 0.057 0.0482 0.0352
0.0251 0.1055 0
1980 1007 6 0 0 2 -1 -1 50 0.0178 0.1135 0.1515 0.1197 0.1039 0.0872 0.0709 0.0642 0.05 0.0446 0.0382 0.0287
0.0206 0.0891 0
1981 1007 6 0 0 2 -1 -1 50 0.0141 0.0589 0.1394 0.1353 0.1109 0.087 0.0704 0.0662 0.0542 0.0508 0.0447 0.0344
0.0251 0.1085 0
1982 1007 6 0 0 2 -1 -1 50 0.0105 0.0389 0.0945 0.1179 0.1191 0.1071 0.0888 0.0804 0.0625 0.0564 0.0487 0.0365
0.0265 0.1123 0
1983 1007 6 0 0 2 -1 -1 50 0.0057 0.0269 0.081 0.1172 0.1309 0.1249 0.1046 0.0911 0.0674 0.0565 0.0464 0.0334
0.0232 0.0908 0
1984 1007 6 0 0 2 -1 -1 50 0.0054 0.032 0.1008 0.131 0.1356 0.1233 0.1009 0.0865 0.0627 0.0516 0.0419 0.0297
0.0205 0.0782 0
1985 1007 6 0 0 2 -1 -1 50 0.0062 0.0533 0.0964 0.1064 0.1166 0.1151 0.1009 0.0911 0.0688 0.0574 0.047 0.0332
0.0228 0.0849 0
1986 1007 6 0 0 2 -1 -1 50 0.0127 0.0635 0.1372 0.1364 0.1233 0.1057 0.0874 0.0774 0.0579 0.0478 0.0388 0.0271
0.0184 0.0663 0
1987 1007 6 0 0 2 -1 -1 50 0.014 0.0992 0.1471 0.1384 0.1228 0.1011 0.0796 0.0685 0.0506 0.0422 0.0343 0.0243
0.0167 0.0614 0
1988 1007 6 0 0 2 -1 -1 50 0.0292 0.1403 0.2441 0.1882 0.1262 0.0752 0.0458 0.0344 0.0242 0.0207 0.0172 0.0125
0.0088 0.0332 0
1989 1007 6 0 0 2 -1 -1 50 0.0074 0.164 0.2978 0.1819 0.1095 0.0649 0.0431 0.0332 0.0227 0.0181 0.0145 0.0101

2014 1007	7	0	0	1	-1	-1	50	0.0000	0.0018	0.0129	0.0132	0.0611	0.0903	0.1574
0.1948	0.1543	0.1228	0.0503	0.0332	0.0359	0.0284	0.0225	0.0079	0.0036	0.0047	0.0039	0.0009	0.0000	0.0000
0.0000	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2015 1007	7	0	0	1	-1	-1	50	0.0000	0.0000	0.0081	0.0342	0.0293	0.0941	0.0857
0.1585	0.2006	0.1421	0.0822	0.0435	0.0494	0.0272	0.0270	0.0090	0.0037	0.0011	0.0020	0.0004	0.0019	0.0000
0.0004	0.0019	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2016 1007	7	0	0	1	-1	-1	50	0.0000	0.0008	0.0098	0.0490	0.0479	0.0491	0.1120
0.1031	0.1367	0.1780	0.1064	0.0598	0.0535	0.0336	0.0294	0.0180	0.0055	0.0057	0.0001	0.0016	0.0000	0.0000
0.0016	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2017 1007	7	0	0	1	-1	-1	50	0.0000	0.0000	0.0029	0.0484	0.1426	0.0817	0.0465
0.0798	0.1003	0.0810	0.1441	0.0903	0.0673	0.0504	0.0147	0.0147	0.0108	0.0117	0.0079	0.0010	0.0008	0.0024
0.0010	0.0008	0.0024	0.0000	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2018 1007	7	0	0	1	-1	-1	50	0.0000	0.0000	0.0224	0.0596	0.2520	0.1474	0.0750
0.0602	0.0796	0.0882	0.0622	0.0809	0.0347	0.0197	0.0084	0.0033	0.0033	0.0000	0.0000	0.0014	0.0000	0.0000
0.0014	0.0000	0.0000	0.0014	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Survey proportions at age for Region 2 by sex updated 2019

1965 7 9 3 0 2 -1 -1	121	0	0	0	0.0171	0.0231	0.0472	0.0723	0.0512	0.0492	0.0412	0.0442	0.0261	0.0291	0.0211	0.0191
0.0191	0.01	0.0251	0.0773	0	0	0	0	0	0.0261	0.0301	0.0462	0.0622	0.0452	0.0753	0.0271	0.0291
0.0311	0.0151	0.009	0.005	0.004	0.006	0.002	0.0141	0	0	0	0	0	0	0	0	0
1966 7 9 3 0 2 -1 -1	66	0	0	0	0.0551	0.0319	0.0522	0.0783	0.0435	0.0551	0.0522	0.0348	0.0377	0.029	0.0261	0.0232
0.0029	0.0087	0.0029	0.0377	0	0	0	0	0	0.0725	0.0435	0.0261	0.0783	0.0609	0.0348	0.0319	0.0203
0.0377	0.0116	0.0058	0	0.0029	0	0.0029	0	0	0	0	0	0	0	0	0	0
1977 7 9 3 0 2 -1 -1	58	0	0	0	0.0142	0.033	0.0755	0.0755	0.0519	0.0755	0.0283	0.033	0.0189	0.0142	0.0142	0.0189
0.0047	0.0047	0	0.0283	0	0	0	0	0	0.0519	0.0943	0.066	0.0472	0.0849	0.033	0.0566	0.0236
0.0189	0.0189	0.0094	0	0.0047	0	0	0	0	0	0	0	0	0	0	0	0
1978 7 9 3 0 2 -1 -1	62	0	0	0	0.0561	0.0467	0.0327	0.0561	0.0467	0.028	0.0187	0.0421	0.0374	0.0234	0.0187	0.0093
0.0187	0.0234	0.0047	0.0187	0	0	0	0	0	0.0421	0.0748	0.0654	0.0467	0.0234	0.0327	0.0607	0.0607
0.0234	0.0187	0.0047	0.0093	0.0047	0.0093	0	0	0	0	0	0	0	0	0	0	0
1980 7 9 3 0 2 -1 -1	80	0	0	0	0.0133	0.031	0.0355	0.082	0.1086	0.0887	0.0399	0.0532	0.0333	0.0133	0.0177	0.0133
0.0111	0.0067	0.0044	0.02	0	0	0	0	0	0.0067	0.0067	0.0554	0.051	0.0665	0.0466	0.051	0.0244
0.0266	0.0244	0.0177	0.02	0.0044	0.0089	0.0067	0.0111	0	0	0	0	0	0	0	0	0
1981 7 9 3 0 2 -1 -1	72	0	0	0	0.0164	0.0219	0.0329	0.0658	0.1014	0.0849	0.0795	0.0329	0.0301	0.0329	0.0082	0.0164
0.0137	0.0192	0.0137	0.0082	0	0	0	0	0	0.011	0.0219	0.0575	0.0685	0.0521	0.0493	0.0219	0.0274
0.0192	0.0329	0.0137	0.0164	0.011	0.0027	0.011	0.0055	0	0	0	0	0	0	0	0	0
1982 7 9 3 0 2 -1 -1	154	0	0	0	0.013	0.0183	0.0414	0.0524	0.083	0.0815	0.0568	0.0549	0.0515	0.0326	0.0164	0.02
0.0203	0.0074	0.0085	0.0181	0	0	0	0	0	0.0068	0.0182	0.0302	0.0424	0.0582	0.0614	0.0417	0.0479
0.0312	0.0166	0.0082	0.0085	8e-04	0.0063	0	0	0	0	0	0	0	0	0	0	0
1983 7 9 3 0 2 -1 -1	192	0	0	0	0.01	0.0224	0.0468	0.0671	0.0693	0.0788	0.0732	0.0588	0.0474	0.0266	0.0183	0.0122
0.0093	0.01	0.0048	0.0102	0	0	0	0	0	0.009	0.0282	0.0447	0.0483	0.0471	0.0673	0.0511	0.0387
0.0308	0.0144	0.0151	0.0141	0.0082	0.0065	0.0052	0.0063	0	0	0	0	0	0	0	0	0
1984 7 9 3 0 2 -1 -1	241	0	0	0	0.0096	0.0271	0.0755	0.0734	0.0721	0.0608	0.0527	0.0442	0.0291	0.0214	0.01	0.0116
0.0065	0.0084	0.0043	0.0132	0	0	0	0	0	0.0115	0.0286	0.0663	0.0677	0.0652	0.0596	0.0522	0.0444
0.0296	0.0191	0.0131	0.0078	0.0053	0.0023	0.0031	0.0042	0	0	0	0	0	0	0	0	0
1985 7 9 3 0 2 -1 -1	166	0	0	0	0.0064	0.0212	0.0398	0.0794	0.0753	0.0692	0.051	0.049	0.0378	0.0327	0.0214	0.0158

0.0105 0.0092 0.0054 0.0181 0 0 0 0 0 0 0 0.0097 0.0199 0.0401 0.0891 0.0715 0.0475 0.0378 0.0408 0.0291 0.0209
0.0151 0.0107 0.0092 0.0046 0.0056 0.0064 0 0 0 0 0
1986 7 9 3 0 2 -1 -1 178 0 0 0 0.0065 0.0196 0.0358 0.0498 0.063 0.0565 0.0615 0.0527 0.0585 0.0494 0.0329 0.0227
0.0116 0.0149 0.0072 0.0215 0 0 0 0 0 0 0 0.0022 0.0145 0.0256 0.0404 0.0649 0.0467 0.0413 0.0427 0.0443 0.0302
0.0265 0.016 0.0111 0.0116 0.0039 0.014 0 0 0 0 0
1988 7 9 3 0 2 -1 -1 72 0 0 0 0.0043 0.0086 0.0388 0.0733 0.1034 0.1897 0.0905 0.0431 0.0086 0.0086 0.0043 0
0.0043 0 0 0 0 0 0 0 0.0043 0.0043 0.0129 0.0129 0.0517 0.0819 0.069 0.056 0.0517 0.0259 0.0216 0.0086
0.0172 0.0043 0 0 0 0
1993 7 9 3 0 2 -1 -1 66 0 0 0 0.0142 0.0267 0.0258 0.0578 0.0836 0.0791 0.0533 0.056 0.0444 0.0302 0.0222 0.0231
0.0053 0.0071 0.0036 0.0071 0 0 0 0 0 0 0.0089 0.0124 0.024 0.0267 0.0453 0.0551 0.0409 0.0489 0.0409 0.0596
0.0444 0.0311 0.0089 0.0053 0.0018 0.0062 0 0 0 0
1994 7 9 3 0 2 -1 -1 14 0 0 0 0.0205 0.0615 0.2418 0.0861 0.082 0.0369 0.0328 0 0.0082 0.0082 0.0041 0.0041 0.0041
0 0 0.0041 0 0 0 0 0 0 0.0041 0.041 0.0984 0.1189 0.041 0.0369 0.0205 0.0123 0.0164 0.0123 0 0.0041 0 0 0 0 0 0
0 0
1995 7 9 3 0 2 -1 -1 103 0 0 0 0.0022 0.0258 0.0681 0.0912 0.0709 0.0665 0.0632 0.0621 0.0462 0.0341 0.0253 0.0231
0.0165 0.0121 0.0055 0.0093 0 0 0 0 0 0 0.0022 0.0082 0.0253 0.039 0.0269 0.0368 0.0456 0.0341 0.0385 0.0374
0.0258 0.0225 0.0159 0.0071 0.0071 0.0055 0 0 0 0
1996 7 9 3 0 2 -1 -1 198 0 0 0 0.0063 0.017 0.0408 0.1007 0.111 0.0528 0.0541 0.0716 0.0603 0.0422 0.0287 0.0205
0.0138 0.0119 0.0045 0.0103 0 0 0 0 0 0 0.0032 0.0119 0.0196 0.049 0.0663 0.0305 0.0294 0.033 0.026 0.0211
0.0169 0.0155 0.0129 0.0074 0.0053 0.0055 0 0 0 0
1997 7 9 3 0 2 -1 -1 211 0 0 0 0.0011 0.0116 0.0285 0.0501 0.1095 0.1302 0.0562 0.052 0.0481 0.0464 0.0233 0.0193
0.0137 0.0099 0.0069 0.0096 0 0 0 0 0 0 0.0011 0.0063 0.0174 0.0276 0.051 0.0811 0.0361 0.0286 0.0333 0.0306
0.0187 0.0173 0.0118 0.0083 0.0044 0.0099 0 0 0 0
1998 7 9 3 0 1 -1 -1 227 0 0 0 0.0035 0.0084 0.02 0.0511 0.0584 0.0895 0.131 0.0592 0.0273 0.0471 0.0306 0.0154
0.0145 0.0127 0.0081 0.004 0.0065 0.0014 8e-04 0.0021 0.0045 0 0 0 0.0019 0.0026 0.0143 0.0241 0.0346 0.0683
0.0861 0.0273 0.028 0.0319 0.0164 0.014 0.0104 0.008 0.0064 0.0048 0.0088 0.0043 0.0021 0.0015 0.0083
1999 7 9 3 0 2 -1 -1 332 0 0 0 0.0052 0.0083 0.0261 0.041 0.0697 0.0826 0.1152 0.1044 0.0476 0.0356 0.0266 0.017
0.009 0.0073 0.0049 0.0099 0 0 0 0 0 0 0.0041 0.0034 0.0145 0.0214 0.0389 0.0507 0.0869 0.0754 0.0265 0.0232
0.0137 0.0115 0.006 0.0065 0.0036 0.0034 0 0 0 0
2000 7 9 3 0 2 -1 -1 239 0 0 0 0.0072 0.0205 0.0242 0.045 0.0594 0.0645 0.061 0.0785 0.1096 0.0317 0.0292 0.0214
0.0171 0.0135 0.0058 0.0166 0 0 0 0 0 0 0.0055 0.0069 0.014 0.0255 0.0336 0.0415 0.0544 0.0653 0.0629 0.0235
0.0179 0.0116 0.0058 0.0108 0.0053 0.0104 0 0 0 0
2001 7 9 3 0 2 -1 -1 330 0 0 0 0.0058 0.0122 0.035 0.0363 0.0479 0.0575 0.0614 0.0637 0.0699 0.0597 0.0395 0.0213
0.0122 0.009 0.006 0.0111 0 0 0 0 0 0 0.0045 0.0078 0.0197 0.0234 0.032 0.0441 0.0575 0.0677 0.0713 0.0561
0.0231 0.0134 0.0115 0.006 0.0047 0.0087 0 0 0 0
2002 7 9 3 0 1 -1 -1 313 0 0 0 0.0043 0.0118 0.05 0.0703 0.0448 0.0413 0.0422 0.0488 0.0506 0.0585 0.0663 0.0449
0.0233 0.0114 0.0109 0.008 0.004 0.0058 0.0023 0.0011 0.0041 0 0 0 0.0028 0.0052 0.0212 0.0424 0.0277 0.0315
0.0316 0.0318 0.0414 0.044 0.0434 0.0236 0.0121 0.0081 0.0055 0.0051 0.003 0.0036 0.0021 0.0019 0.0077
2003 7 9 3 0 1 -1 -1 323 0 0 0 0.0121 0.0178 0.0395 0.1043 0.1091 0.0536 0.0389 0.0371 0.0357 0.0341 0.0423 0.0477
0.0288 0.0147 0.0077 0.0047 0.0034 0.0028 0.0023 0.0016 0.0042 0 0 0 0.0053 0.006 0.0204 0.0518 0.0501 0.0252
0.0196 0.0195 0.0228 0.0288 0.0354 0.0311 0.0165 0.0063 0.0032 0.0039 0.0017 0.0018 0.0011 0.0026 0.0044
2004 7 9 3 0 1 -1 -1 327 0 0 0 0.0211 0.0375 0.0471 0.0686 0.1045 0.0805 0.0486 0.0367 0.0326 0.0257 0.0291 0.0304
0.0253 0.0121 0.0107 0.0042 0.0024 0.0023 0.0018 0.0015 0.0021 0 0 0 0.0112 0.021 0.0269 0.0392 0.0619 0.047
0.0223 0.0186 0.0184 0.0174 0.0177 0.0207 0.0225 0.0099 0.0063 0.004 0.0035 0.0011 0.0022 6e-04 0.0032
2005 7 9 3 0 1 -1 -1 340 0 0 0 0.009 0.0506 0.0673 0.0685 0.0652 0.0752 0.0742 0.0392 0.0364 0.0272 0.0232 0.0211
0.021 0.0176 0.0074 0.0051 0.0044 0.0026 9e-04 0.0012 0.0042 0 0 0 0.0063 0.0192 0.0361 0.0388 0.0401 0.0553
0.044 0.0226 0.0173 0.0099 0.0177 0.0163 0.0155 0.0154 0.0079 0.0053 0.0023 0.0024 0.0017 9e-04 0.0033
2006 7 9 3 0 1 -1 -1 317 0 0 0 0.0054 0.0477 0.1051 0.092 0.0686 0.0639 0.0684 0.0478 0.022 0.0139 0.0106 0.0115
0.011 0.0107 0.0091 0.003 0.002 0.0016 0.0014 9e-04 0.0027 0 0 0 0.0038 0.0226 0.0552 0.0589 0.0416 0.0414 0.0563
0.0343 0.0158 0.0111 0.0124 0.0097 0.0092 0.0092 0.0097 0.0036 9e-04 0.0017 7e-04 0 0.0026
2007 7 9 3 0 1 -1 -1 330 0 0 0 0.0032 0.0225 0.0725 0.1337 0.0996 0.0679 0.0495 0.0549 0.0458 0.0183 0.0118 0.009
0.0086 0.0073 0.0053 0.0056 0.0037 0.0024 4e-04 9e-04 0.0013 0 0 0 0.0014 0.0081 0.0319 0.059 0.0604 0.0398
0.0376 0.0422 0.0301 0.0138 0.007 0.0094 0.0081 0.0059 0.0079 0.0054 0.0026 0.0011 5e-04 2e-04 0.0033
2008 7 9 3 0 1 -1 -1 338 0 0 0 0.001 0.0106 0.0307 0.0888 0.1434 0.0813 0.056 0.0455 0.049 0.036 0.0156 0.0143

0.0083 0.0072 0.0066 0.0061 0.0048 0.0028 0.0033 0.0015 0.0055 0 0 0 4e-04 0.0047 0.0195 0.0402 0.0723 0.0616
0.0376 0.0395 0.038 0.0194 0.0108 0.0071 0.0065 0.0046 0.0041 0.0044 0.0038 0.0014 0.0017 3e-04 0.0036
2009 7 9 3 0 1 -1 -1 333 0 0 0 0.001 0.0076 0.038 0.0631 0.0947 0.1285 0.0986 0.0529 0.044 0.0331 0.0266 0.0169
0.0075 0.0037 0.0039 0.0041 0.0033 0.0035 0.0023 0.0013 0.0027 0 0 0 5e-04 0.0022 0.0151 0.0238 0.0479 0.069
0.0568 0.0398 0.0267 0.0246 0.0176 0.0091 0.0055 0.0032 0.0032 0.0036 0.0041 0.0041 0.0016 0.0017 0.0025
2010 7 9 3 0 1 -1 -1 333 0 0 0 0.001 0.0081 0.0253 0.0792 0.0765 0.0959 0.1272 0.0966 0.0412 0.0258 0.0244 0.0154
0.0067 0.0025 0.0011 0.0017 0.0016 6e-04 0.0015 6e-04 0.002 0 0 0 7e-04 0.0025 0.0095 0.0324 0.0428 0.0636 0.0708
0.0535 0.0254 0.0166 0.0176 0.0098 0.0057 0.0028 0.0024 0.0021 0.0013 0.0021 0.0017 0.0015 5e-04
2011 7 9 3 0 1 -1 -1 358 0 0 0 5e-04 0.009 0.0363 0.0519 0.0812 0.0902 0.0946 0.1101 0.0672 0.0485 0.023 0.0202
0.0122 0.0078 0.0042 0.0022 0.0013 0.0025 0.001 8e-04 0.0036 0 0 0 3e-04 0.0027 0.007 0.0172 0.0385 0.0431 0.0577
0.066 0.0333 0.0217 0.0114 0.01 0.0082 0.0038 0.002 0.0029 9e-04 0.001 6e-04 0.0019 0.0013
2012 7 9 3 0 1 -1 -1 354 0 0 0 0.0029 0.012 0.0395 0.073 0.0684 0.0878 0.0868 0.0895 0.0807 0.0555 0.024 0.0139
0.0093 0.0063 0.0033 0.0024 3e-04 0.0011 0.001 0.0029 0.0024 0 0 0 6e-04 0.0029 0.0139 0.0262 0.0324 0.0485
0.0439 0.0528 0.0451 0.0283 0.011 0.0078 0.0095 0.0045 0.002 7e-04 8e-04 0.001 6e-04 8e-04 0.0035
2013 7 9 3 0 1 -1 -1 364 0 0 0 0.001 0.0037 0.0215 0.0749 0.0899 0.0725 0.0821 0.074 0.0759 0.0714 0.0366 0.0177
0.0148 0.0093 0.0036 0.0032 0.0011 6e-04 0.0025 0.001 0.0021 0 0 0 3e-04 0.0011 0.0064 0.0258 0.0374 0.0301
0.0479 0.0428 0.0483 0.0317 0.0233 0.0128 0.0096 0.0087 0.0042 0.0023 0.0014 0.0012 0.0014 0.0015 0.0021
2014 7 9 3 0 1 -1 -1 381 0 0 0 7e-04 0.0079 0.0147 0.0565 0.1323 0.109 0.0676 0.0735 0.0596 0.0544 0.0326 0.0197
0.0111 0.0072 0.0069 0.0031 0.0013 0.0011 9e-04 7e-04 0.0031 0 0 0 7e-04 0.0018 0.0064 0.0168 0.0474 0.0474
0.0319 0.0406 0.0289 0.0342 0.0269 0.0178 0.0113 0.0071 0.0042 0.0033 7e-04 0.0011 0.002 0.0013 0.0044
2015 7 9 3 0 1 -1 -1 352 0 0 0 0.0013 0.0039 0.0266 0.0288 0.0781 0.1573 0.1232 0.0695 0.0561 0.0372 0.0377 0.0207
0.0143 0.0052 0.0062 0.0053 0.0017 5e-04 0.0012 0.0014 0.0029 0 0 0 2e-04 0.0021 0.0124 0.0127 0.027 0.066 0.043
0.03 0.0263 0.0224 0.0262 0.0184 0.0101 0.0077 0.0052 0.0042 0.001 0.0016 0.0012 7e-04 0.0025
2016 7 9 3 0 1 -1 -1 350 0 0 0 0.0019 0.0033 0.0077 0.0432 0.0353 0.0782 0.1555 0.1219 0.0607 0.0449 0.0384 0.0281
0.0184 0.0117 0.0044 0.0048 0.0026 0.0013 0.0016 0 0.0013 0 0 0 0.0011 3e-04 0.0036 0.0181 0.0171 0.0308 0.0753
0.0479 0.0293 0.0259 0.0238 0.02 0.0167 0.0112 0.0042 0.0026 0.0021 0.0026 0.001 0 0.0011
2017 7 9 3 0 1 -1 -1 371 0 0 0 0.0036 0.0067 0.0089 0.0129 0.0477 0.0555 0.0865 0.1512 0.124 0.0542 0.0506 0.029
0.0207 0.0163 0.0088 0.0062 0.0025 0.003 0.0016 6e-04 0.0032 0 0 0 5e-04 0.005 0.0034 0.0076 0.0227 0.0203 0.039
0.0561 0.0412 0.0259 0.0233 0.0132 0.0141 0.0138 0.0074 0.0058 0.0022 0.0011 0.0019 3e-04 0.0015
2018 7 9 3 0 1 -1 -1 466 0 0 0 0.0026 0.016 0.0189 0.0194 0.022 0.0494 0.0659 0.0891 0.1287 0.1018 0.0688 0.0348
0.0222 0.0145 0.0132 0.0107 0.007 0.0027 0.0037 0.0017 0.0047 0 0 0 0.0013 0.0063 0.0094 0.0102 0.0138 0.0321
0.0239 0.0317 0.0534 0.0386 0.0176 0.0098 0.0128 0.0091 0.0114 0.0071 0.0041 0.0024 0.002 0.001 0.0041
2019 7 9 3 0 1 -1 -1 482 0 0 0 0.004 0.013 0.0467 0.0435 0.0291 0.0334 0.0591 0.0632 0.0832 0.0978 0.0814 0.031
0.0262 0.0164 0.0115 0.0106 0.0048 0.0046 0.0038 0.0019 0.0058 0 0 0 0.0015 0.0073 0.024 0.0209 0.0164 0.0191
0.0291 0.0231 0.0336 0.05 0.0328 0.0178 0.0133 0.0116 0.0065 0.0087 0.0032 0.0019 0.0028 0.0013 0.004
Survey proportions at age for Region 3 by sex updated 2019
1963 7 10 3 0 2 -1 -1 236 0 0 0 0.0057 0.0327 0.0368 0.0786 0.0833 0.0789 0.0695 0.1019 0.0484 0.0229 0.0138
0.0138 0.0195 0.0148 0.0113 0.0123 0 0 0 0 0 0 0.0069 0.0261 0.0346 0.0569 0.0516 0.05 0.0424 0.0522 0.017
0.0079 0.0047 0.0013 0.0025 9e-04 6e-04 3e-04 0 0 0 0
1964 7 10 3 0 2 -1 -1 305 0 0 0 0.0554 0.0629 0.1316 0.0638 0.118 0.0546 0.0457 0.0365 0.0282 0.0149 0.0076 0.0049
0.003 0.003 0.0047 0.0055 0 0 0 0 0 0 0.0225 0.0529 0.0993 0.0461 0.0616 0.0286 0.0209 0.0116 0.0074 0.0058
0.0012 9e-04 0 1e-04 0 8e-04 0 0 0 0
1965 7 10 3 0 2 -1 -1 146 0 0 0 0.0089 0.0208 0.0624 0.0842 0.0653 0.1634 0.104 0.0634 0.0832 0.0683 0.0396 0.0129
0.004 0.0069 0.0059 0.0099 0 0 0 0 0 0 0.0109 0.005 0.0446 0.0307 0.0158 0.0277 0.0178 0.0149 0.0109 0.0099
0.0069 0.001 0.001 0 0 0 0 0 0
1977 7 10 3 0 2 -1 -1 100 0 0 0 0.0148 0.0407 0.0877 0.0679 0.0778 0.0531 0.0346 0.0247 0.0272 0.0222 0.021 0.0296
0.0111 0.0037 0.0037 0.0049 0 0 0 0 0 0 0.0481 0.0568 0.0877 0.0988 0.0667 0.0519 0.037 0.0086 0.0049 0.0062
0.0037 0.0012 0 0.0012 0.0012 0.0012 0 0 0 0
1978 7 10 3 0 2 -1 -1 98 0 0 0 0.0906 0.0705 0.052 0.0721 0.0537 0.0285 0.0369 0.0369 0.0218 0.0168 0.0151 0.0151
0.0067 0.005 0.0017 0.0017 0 0 0 0 0 0 0.1091 0.0721 0.0638 0.0755 0.052 0.0436 0.0252 0.0201 0.005 0.0017
0.0034 0 0.0017 0.0017 0 0 0 0 0
1979 7 10 3 0 2 -1 -1 104 0 0 0 0.0141 0.0492 0.0715 0.0692 0.0879 0.0516 0.0586 0.0586 0.0234 0.0234 0.0141
0.0129 0.0129 0.007 0.0023 0.007 0 0 0 0 0 0 0.0141 0.0657 0.0797 0.0551 0.0692 0.0657 0.034 0.027 0.0094
0.0059 0.0023 0.0047 0.0012 0.0012 0 0.0012 0 0 0 0

1980 7 10 3 0 2 -1 -1 101 0 0 0 0.008 0.0161 0.0366 0.0714 0.0785 0.0928 0.0874 0.074 0.0624 0.0562 0.0241 0.0205
0.0214 0.0098 0.0071 0.0134 0 0 0 0 0 0 0.0045 0.0143 0.0393 0.0446 0.0428 0.0437 0.0473 0.0339 0.0178 0.0125
0.0062 0.0036 0.0027 0.0018 0.0027 0.0027 0 0 0 0
1981 7 10 3 0 2 -1 -1 102 0 0 0 0.0303 0.0252 0.0235 0.0504 0.0693 0.0693 0.0612 0.071 0.0664 0.0446 0.0338 0.0258
0.0206 0.0137 0.0074 0.016 0 0 0 0 0 0 0.0258 0.0269 0.0372 0.0561 0.0498 0.0452 0.0464 0.0309 0.0229 0.0126
0.0063 0.0063 0 0.0029 6e-04 0.0017 0 0 0 0
1982 7 10 3 0 2 -1 -1 148 0 0 0 0.0162 0.0334 0.0483 0.0665 0.1144 0.1053 0.0853 0.0749 0.0508 0.0268 0.0183
0.0096 0.0052 0.0076 0.0079 0.0113 0 0 0 0 0 0 0.009 0.0188 0.0321 0.0431 0.0745 0.0402 0.029 0.0265 0.0183
0.0136 0.0053 0.0035 0.0014 4e-04 0.0011 0.0013 0 0 0 0
1983 7 10 3 0 2 -1 -1 101 0 0 0 0.0171 0.0537 0.0591 0.056 0.0552 0.0692 0.0677 0.0583 0.0778 0.049 0.0365 0.0179
0.0109 0.007 0.0054 0.0132 0 0 0 0 0 0 0.0124 0.0226 0.0373 0.0389 0.0513 0.0614 0.0498 0.0218 0.021 0.0117
0.007 0.0062 0.0023 0 8e-04 0.0016 0 0 0 0
1984 7 10 3 0 2 -1 -1 198 0 0 0 0.0102 0.0161 0.0288 0.0483 0.0398 0.0475 0.0822 0.0534 0.0331 0.0373 0.0297
0.0153 0.0153 0.0093 0.011 0.0229 0 0 0 0 0 0 0.0161 0.0246 0.0517 0.0492 0.0636 0.0695 0.078 0.0458 0.028
0.0263 0.0178 0.0119 0.0068 0.0017 0.0017 0.0076 0 0 0 0
1985 7 10 3 0 2 -1 -1 103 0 0 0 0.0108 0.0208 0.0233 0.0707 0.0574 0.0557 0.0441 0.0574 0.0491 0.0316 0.0275
0.0092 0.0092 0.0033 0.0067 0.0233 0 0 0 0 0 0 0.0083 0.0133 0.0416 0.0774 0.0649 0.0657 0.0649 0.0732 0.0424
0.0183 0.01 0.0083 0.0058 0.0025 0.0025 8e-04 0 0 0 0
1986 7 10 3 0 2 -1 -1 97 0 0 0 0.0094 0.017 0.0272 0.0306 0.0562 0.0545 0.046 0.0434 0.0528 0.0366 0.034 0.023
0.0153 0.0111 0.0094 0.046 0 0 0 0 0 0 0.0051 0.0281 0.0289 0.0383 0.0809 0.0519 0.0468 0.0596 0.0502 0.0349
0.0196 0.0153 0.0128 0.0051 0.0043 0.006 0 0 0 0
1989 7 10 3 0 2 -1 -1 33 0 0 0 0.0041 0.049 0.1959 0.1878 0.1265 0.1061 0.0122 0.0449 0.0286 0.0122 0.0041
0.0041 0 0.0082 0 0 0 0 0 0 0.0041 0.0041 0.0245 0.0531 0.049 0.049 0.0122 0.0163 0 0 0.0041 0 0 0 0 0
1993 7 10 3 0 2 -1 -1 70 0 0 0 0.007 0.0079 0.0333 0.0745 0.1411 0.0824 0.0824 0.0684 0.0298 0.0254 0.0167 0.0105
0.007 0.0026 0.0044 0 0 0 0 0 0 0.0018 0.0035 0.0096 0.0158 0.0237 0.0666 0.0456 0.0692 0.0762 0.0403 0.021
0.0158 0.0114 9e-04 0.0026 0.0026 0 0 0 0
1994 7 10 3 0 2 -1 -1 147 0 0 0 0.0018 0.0124 0.0298 0.0385 0.0665 0.1031 0.1075 0.0621 0.0485 0.0361 0.0197
0.0132 0.0069 0.0044 0.001 0.0033 0 0 0 0 0 0 4e-04 0.0076 0.012 0.0183 0.0448 0.0717 0.0621 0.0596 0.0539
0.0458 0.0315 0.0167 0.0117 0.003 0.004 0.002 0 0 0 0
1995 7 10 3 0 2 -1 -1 120 0 0 0 0.0028 0.0077 0.0232 0.0546 0.0629 0.0871 0.1015 0.1103 0.0518 0.0325 0.021 0.0121
0.0033 0.0022 6e-04 0 0 0 0 0 0 6e-04 0.0121 0.0347 0.059 0.0596 0.0563 0.0496 0.0441 0.0347 0.032 0.0154
0.0177 0.005 0.0028 0 0.0028 0 0 0 0
1996 7 10 3 0 2 -1 -1 424 0 0 0 0.0028 0.0061 0.0141 0.0424 0.0932 0.0539 0.0745 0.087 0.0669 0.0518 0.0353 0.0273
0.0203 0.0084 0.0071 0.0074 0 0 0 0 0 0 9e-04 0.0019 0.0061 0.0203 0.0465 0.0331 0.0426 0.0545 0.0478 0.0379
0.0344 0.0275 0.0197 0.013 0.0087 0.0067 0 0 0 0
1997 7 10 3 0 2 -1 -1 424 0 0 0 0.0013 0.0032 0.0183 0.0222 0.0553 0.1128 0.0706 0.0775 0.0717 0.0581 0.0257
0.0219 0.0154 0.0056 0.0056 0.0028 0 0 0 0 0 0 6e-04 0.0022 0.0045 0.0156 0.0341 0.0743 0.0363 0.0516 0.0549
0.0526 0.0346 0.0296 0.0183 0.0113 0.0042 0.0073 0 0 0 0
1998 7 10 3 0 1 -1 -1 506 0 0 0 0.0051 0.0125 0.0133 0.0215 0.0465 0.1051 0.0604 0.0501 0.0612 0.0432 0.0267
0.0142 0.0164 0.0145 0.0078 0.0048 0.0033 0.002 0.002 0.0013 0 0 0 0.0019 0.0013 0.0039 0.0124 0.0262 0.0626
0.0389 0.0343 0.045 0.0439 0.0373 0.0395 0.0385 0.0284 0.0281 0.0184 0.0081 0.0062 0.0055 0.0075
1999 7 10 3 0 2 -1 -1 554 0 0 0 0.0011 0.0039 0.0112 0.0209 0.0346 0.0406 0.0863 0.1131 0.0632 0.0563 0.0395
0.0261 0.013 0.0106 0.0052 0.008 0 0 0 0 0 0 0.0011 0.0024 0.0051 0.0116 0.0202 0.0305 0.0642 0.0961 0.05
0.0458 0.0384 0.0358 0.0211 0.0165 0.0135 0.014 0 0 0 0
2000 7 10 3 0 2 -1 -1 548 0 0 0 0.0022 0.009 0.0089 0.0175 0.0392 0.0493 0.0635 0.0951 0.1144 0.0466 0.0334 0.0273
0.0204 0.0088 0.0046 0.0073 0 0 0 0 0 0 0.001 0.0031 0.0036 0.0124 0.0166 0.0345 0.044 0.074 0.0888 0.0409
0.0336 0.0379 0.0255 0.0159 0.0076 0.0129 0 0 0 0
2001 7 10 3 0 2 -1 -1 520 0 0 0 0.0031 0.0069 0.0139 0.0132 0.0184 0.0319 0.0618 0.0588 0.0934 0.0996 0.0635
0.0368 0.0208 0.0138 0.0085 0.008 0 0 0 0 0 0 0.0022 0.0044 0.0076 0.0054 0.0108 0.0182 0.0269 0.0488 0.0733
0.0764 0.0466 0.0448 0.0335 0.0243 0.0138 0.0107 0 0 0 0
2002 7 10 3 0 1 -1 -1 555 0 0 0 0.0014 0.0101 0.026 0.0371 0.024 0.0325 0.0383 0.0494 0.0462 0.0742 0.0757 0.0429
0.0264 0.0173 0.0139 0.0101 0.0057 0.0032 0.0014 0.0012 0.0012 0 0 0 0.0022 0.0038 0.011 0.0197 0.0145 0.0196
0.0199 0.0285 0.0307 0.0488 0.0776 0.0402 0.0299 0.0276 0.0294 0.0168 0.013 0.0098 0.0083 0.0031 0.0072
2003 7 10 3 0 1 -1 -1 516 0 0 0 0.0027 0.0147 0.0294 0.0444 0.0619 0.0376 0.0286 0.045 0.0408 0.0471 0.0489 0.0529

0.0256 0.0161 0.0124 0.0088 0.0088 0.0023 0.0036 0.0025 0.0027 0 0 0 0.0015 0.0043 0.0139 0.0299 0.0268 0.0223
0.0204 0.0306 0.0278 0.0357 0.047 0.0506 0.0384 0.0257 0.0187 0.0219 0.0157 0.0105 0.0053 0.0045 0.0118
2004 7 10 3 0 1 -1 -1 523 0 0 0 0.0055 0.0108 0.0234 0.0402 0.0603 0.0519 0.0307 0.0363 0.0291 0.033 0.0355 0.0345
0.031 0.0167 0.0089 0.0061 0.0059 0.0035 0.0015 6e-04 0.0011 0 0 0 0.0022 0.0049 0.0097 0.0237 0.0466 0.042
0.0221 0.0265 0.0342 0.0392 0.04 0.0554 0.0562 0.039 0.0215 0.0212 0.0162 0.0137 0.0049 0.0043 0.0098
2005 7 10 3 0 1 -1 -1 507 0 0 0 0.0022 0.0116 0.0195 0.0265 0.0407 0.0628 0.0704 0.0418 0.0383 0.0383 0.0347
0.0362 0.0318 0.0224 0.015 0.0061 0.0062 0.0049 0.0019 0.0023 0.003 0 0 0 0.001 0.0045 0.0102 0.0127 0.0213
0.0338 0.0316 0.0225 0.0246 0.0245 0.0296 0.0366 0.0465 0.0501 0.0379 0.0277 0.0192 0.0197 0.012 0.0068 0.0109
2006 7 10 3 0 1 -1 -1 526 0 0 0 0.001 0.0063 0.0337 0.0462 0.0406 0.0524 0.0719 0.064 0.0396 0.0281 0.0268 0.0257
0.0186 0.021 0.017 0.006 0.0049 0.0044 0.0019 9e-04 0.0043 0 0 0 3e-04 0.0032 0.0114 0.0156 0.0217 0.0283 0.0438
0.0438 0.0233 0.0251 0.0354 0.0284 0.0298 0.0397 0.0436 0.0274 0.0181 0.015 0.0116 0.0071 0.0123
2007 7 10 3 0 1 -1 -1 538 0 0 0 0.001 0.0062 0.0248 0.0521 0.0531 0.0488 0.0621 0.0668 0.0593 0.0305 0.0154 0.0182
0.0135 0.0121 0.0102 0.0075 0.0029 0.0016 8e-04 0.0013 0.0017 0 0 0 6e-04 0.0022 0.0124 0.0265 0.026 0.0348
0.0389 0.0465 0.0394 0.0231 0.0265 0.0326 0.0325 0.0316 0.032 0.037 0.0248 0.0146 0.0087 0.0079 0.0112
2008 7 10 3 0 1 -1 -1 549 0 0 0 3e-04 0.0043 0.0086 0.0403 0.0822 0.0799 0.0527 0.0504 0.0607 0.0503 0.0323 0.0218
0.0128 0.0105 0.0063 0.0067 0.0073 0.0053 0.0017 0.0017 0.0034 0 0 0 5e-04 0.0019 0.0045 0.0142 0.0357 0.0403
0.0284 0.034 0.0458 0.0403 0.0262 0.0214 0.0214 0.0195 0.0184 0.021 0.0278 0.0212 0.0124 0.0076 0.018
2009 7 10 3 0 1 -1 -1 537 0 0 0 0.0032 0.0078 0.0202 0.0432 0.0787 0.1217 0.0732 0.0578 0.0444 0.032 0.0197 0.012
0.0056 0.0063 0.0033 0.0044 0.0042 0.0028 0.0011 2e-04 0.0023 0 0 0 9e-04 0.004 0.0098 0.0182 0.036 0.0516 0.0495
0.034 0.0342 0.0423 0.0294 0.0201 0.0162 0.0185 0.0143 0.0156 0.0176 0.0172 0.0054 0.0078 0.0132
2010 7 10 3 0 1 -1 -1 521 0 0 0 8e-04 0.0059 0.0171 0.0352 0.0552 0.0874 0.1082 0.0733 0.0406 0.0344 0.0242 0.0153
0.0076 0.0041 0.0044 0.0014 0.0022 0.0014 0.0014 0.0016 0.0019 0 0 0 0.0018 0.0033 0.0083 0.0222 0.0315 0.0441
0.0564 0.0497 0.0365 0.0304 0.0316 0.0351 0.0198 0.0183 0.0139 0.0136 0.0143 0.0097 0.0134 0.0088 0.0135
2011 7 10 3 0 1 -1 -1 549 0 0 0 6e-04 0.0068 0.02 0.0398 0.0505 0.0566 0.0815 0.0984 0.0591 0.0332 0.0214 0.015
0.0103 0.004 0.0027 0.0013 0.0022 0.0022 0.0023 0.0015 0.0025 0 0 0 6e-04 0.0037 0.009 0.0186 0.0275 0.0367
0.0488 0.0647 0.053 0.0354 0.0385 0.0351 0.0261 0.0162 0.0123 0.012 0.0088 0.0092 0.0092 0.0094 0.0139
2012 7 10 3 0 1 -1 -1 522 0 0 0 0.0011 0.005 0.0258 0.0385 0.051 0.0741 0.0765 0.1 0.078 0.0446 0.0193 0.0145
0.0094 0.0068 0.0032 8e-04 0.0026 0.001 8e-04 8e-04 0.0016 0 0 0 8e-04 0.0052 0.012 0.0155 0.0297 0.0347 0.0482
0.0611 0.0515 0.0327 0.0304 0.0231 0.0256 0.017 0.0101 0.0111 0.0065 0.004 0.0063 0.0069 0.012
2013 7 10 3 0 1 -1 -1 528 0 0 0 3e-04 0.003 0.0128 0.0491 0.0646 0.0558 0.0631 0.0634 0.0778 0.0651 0.0341 0.0209
0.0193 0.0086 0.005 0.0011 0.0023 0.0018 4e-04 0.003 0.0029 0 0 0 4e-04 0.0014 0.0059 0.017 0.0287 0.0335 0.0389
0.0481 0.06 0.0553 0.0314 0.0286 0.0237 0.024 0.0129 0.0054 0.0075 0.0036 0.0056 0.0039 0.0097
2014 7 10 3 0 1 -1 -1 556 0 0 0 2e-04 0.004 0.0117 0.0365 0.0891 0.0946 0.0742 0.0728 0.0563 0.0493 0.0385 0.0126
0.0094 0.0055 0.0044 0.0011 0.0011 3e-04 6e-04 3e-04 8e-04 0 0 0 3e-04 0.003 0.0066 0.0141 0.0404 0.0467 0.0477
0.0446 0.0387 0.0439 0.0437 0.0261 0.0185 0.0182 0.0089 0.0098 0.0077 0.0032 0.0027 0.0025 0.0093
2015 7 10 3 0 1 -1 -1 529 0 0 0 7e-04 0.0023 0.0142 0.0252 0.0596 0.103 0.0908 0.0742 0.0597 0.0397 0.033 0.0186
0.01 0.0047 0.002 0.0017 8e-04 3e-04 5e-04 7e-04 0.0017 0 0 0 5e-04 8e-04 0.0072 0.0109 0.0263 0.0568 0.0555
0.0479 0.044 0.0409 0.052 0.0399 0.0216 0.0117 0.0126 0.0103 0.0057 0.003 0.0022 5e-04 0.0064
2016 7 10 3 0 1 -1 -1 538 0 0 0 0.0025 0.0054 0.0048 0.0199 0.0282 0.0549 0.0961 0.0986 0.0601 0.0482 0.0439
0.0253 0.0215 0.0093 0.0042 0.0019 0.0017 2e-04 0.001 3e-04 9e-04 0 0 0 7e-04 0.0016 0.0031 0.0156 0.0186 0.0383
0.0731 0.0687 0.0473 0.0357 0.0397 0.0335 0.0323 0.0217 0.0104 0.0097 0.0067 0.0034 0.0031 0.0014 0.0064
2017 7 10 3 0 1 -1 -1 521 0 0 0 0.0044 0.0079 0.0095 0.0084 0.0366 0.0412 0.0691 0.1171 0.0843 0.0519 0.04 0.02
0.0198 0.0143 0.0053 0.0026 0.0026 9e-04 9e-04 0 9e-04 0 0 0 0.0011 0.0033 0.0038 0.0066 0.0236 0.0286 0.0436
0.0732 0.0551 0.0436 0.0423 0.0293 0.0275 0.0308 0.0189 0.011 0.007 0.0073 0.002 9e-04 0.0031
2018 7 10 3 0 1 -1 -1 537 0 0 0 0.0041 0.0187 0.0251 0.0179 0.0173 0.0346 0.0421 0.0819 0.093 0.0662 0.0499 0.0202
0.0168 0.0073 0.0067 0.0036 0.002 4e-04 0 4e-04 4e-04 0 0 0 0.002 0.0071 0.0112 0.0102 0.0161 0.0339 0.0372
0.0546 0.0758 0.0521 0.0458 0.0322 0.0288 0.0291 0.0186 0.0142 0.0069 0.0048 0.0065 0.0018 0.0027
2019 7 10 3 0 1 -1 -1 560 0 0 0 0.007 0.0106 0.0492 0.0466 0.0346 0.0279 0.0402 0.0501 0.0584 0.0843 0.0475 0.0316
0.0148 0.0122 0.0064 0.0067 0.0011 0.0011 0.0015 0 5e-04 0 0 0 0.003 0.0041 0.0209 0.0159 0.0171 0.0144 0.0295
0.0345 0.0494 0.0642 0.0616 0.0369 0.0248 0.0249 0.0204 0.0223 0.0057 0.0062 0.0031 0.0051 0.0039
Survey proportions at age for Region 4 by sex updated 2019
1997 7 11 3 0 2 -1 -1 220 0 0 0 3e-04 0.0015 0.0019 0.0177 0.0607 0.2316 0.0679 0.0414 0.0327 0.0201 0.0191 0.0185
0.0221 0.0222 0.0126 0.0166 0 0 0 0 0 0 3e-04 6e-04 0.0041 0.0123 0.0445 0.1211 0.0369 0.0285 0.0221 0.021
0.0178 0.025 0.0263 0.0212 0.0124 0.0188 0 0 0 0

1998 7 11 3 0 1 -1 -1 92 0 0 0 0 0.0014 0.0041 0.0108 0.023 0.0338 0.1878 0.0851 0.0432 0.0365 0.0176 0.0108 0.0122
0.0122 0.0108 0.0216 0.0027 0.0027 0 0.0027 0.0068 0 0 0 0 0 0.0041 0.0068 0.0419 0.1122 0.0459 0.0257 0.0284
0.0284 0.0243 0.0162 0.0203 0.0297 0.0338 0.0135 0.0108 0.0027 0.0068 0.023
1999 7 11 3 0 2 -1 -1 61 0 0 0 0.0026 0.0013 0.0111 0.0169 0.0319 0.054 0.0865 0.1373 0.0416 0.0351 0.0241 0.015
0.0124 0.0111 0.0117 0.0208 0 0 0 0 0 0 0 0 7e-04 0 0.002 0.0078 0.0254 0.052 0.0904 0.147 0.0358 0.0247 0.0345
0.0189 0.0137 0.0098 0.0091 0.015 0 0 0 0 0
2000 7 11 3 0 2 -1 -1 149 0 0 0 0.0014 0.0028 0.006 0.0157 0.0197 0.0313 0.0554 0.1006 0.1236 0.0584 0.0315 0.0257
0.0173 0.022 0.0163 0.0511 0 0 0 0 0 0 0 8e-04 0.003 0.0054 0.0102 0.0164 0.0267 0.0451 0.0726 0.0673 0.0335
0.0337 0.0213 0.0211 0.0189 0.0153 0.0298 0 0 0 0 0
2001 7 11 3 0 2 -1 -1 146 0 0 0 0.0019 0.0086 0.0136 0.0144 0.0156 0.0225 0.0457 0.0846 0.1174 0.0649 0.0399
0.0187 0.0181 0.0134 0.0238 0 0 0 0 0 0 0 0.002 0.0072 0.0087 0.0139 0.0181 0.0315 0.062 0.0865 0.0887 0.0532
0.0388 0.03 0.0191 0.016 0.0211 0 0 0 0 0
2002 7 11 3 0 1 -1 -1 154 0 0 0 0.0016 0.0058 0.0287 0.0354 0.0169 0.0206 0.0219 0.0252 0.0333 0.0552 0.0938
0.0529 0.0274 0.0161 0.0163 0.0136 0.0105 0.016 0.0142 0.0108 0.0199 0 0 0 0.0013 0.0061 0.0177 0.0304 0.0109
0.0205 0.021 0.0262 0.0307 0.0405 0.0711 0.0347 0.0175 0.0177 0.0163 0.0127 0.0119 0.0157 0.0195 0.0161 0.0256
2003 7 11 3 0 1 -1 -1 153 0 0 0 7e-04 0.0035 0.0119 0.0331 0.043 0.0281 0.0232 0.023 0.0284 0.0499 0.0729 0.0715
0.0619 0.0237 0.0171 0.0142 0.0137 0.0086 0.009 0.0066 0.0165 0 0 0 7e-04 0.0024 0.0088 0.0239 0.0262 0.0162
0.0153 0.0193 0.0177 0.0285 0.0487 0.0529 0.0351 0.0156 0.0177 0.0177 0.0123 0.0186 0.0132 0.0176 0.031
2004 7 11 3 0 1 -1 -1 145 0 0 0 0.0035 0.0113 0.0144 0.0252 0.0581 0.0446 0.0255 0.027 0.0203 0.0283 0.0484 0.0438
0.0363 0.0248 0.0141 0.0114 0.0078 0.0048 0.0069 0.0065 0.0192 0 0 0 0.002 0.0111 0.0104 0.0227 0.0477 0.0458
0.0178 0.02 0.0224 0.0291 0.0365 0.0446 0.0495 0.0233 0.0196 0.0174 0.0148 0.0149 0.0142 0.0178 0.0359
2005 7 11 3 0 1 -1 -1 144 0 0 0 0.0023 0.0106 0.0222 0.0217 0.0349 0.0603 0.0567 0.0356 0.024 0.023 0.0231 0.0371
0.0359 0.0281 0.0112 0.0115 0.0094 0.0068 0.002 0.0051 0.0157 0 0 0 7e-04 0.0045 0.0144 0.0108 0.0288 0.0516
0.0621 0.0364 0.0275 0.0199 0.0254 0.0243 0.0389 0.0443 0.0363 0.016 0.0134 0.009 0.0069 0.0097 0.042
2006 7 11 3 0 1 -1 -1 240 0 0 0 0.0057 0.0312 0.0609 0.0754 0.0424 0.0471 0.0552 0.0459 0.0193 0.0133 0.0125 0.017
0.0223 0.0189 0.0174 0.0099 0.0051 0.0026 0.0034 0.0031 0.0124 0 0 0 0.002 0.0136 0.0298 0.0417 0.0286 0.0381
0.0559 0.0429 0.0185 0.0221 0.0132 0.0219 0.0263 0.0244 0.029 0.0114 0.0124 0.0076 0.0056 0.0048 0.0292
2007 7 11 3 0 1 -1 -1 176 0 0 0 0.0039 0.0118 0.0635 0.0966 0.0851 0.0444 0.0361 0.0423 0.0371 0.0206 0.0169 0.016
0.0139 0.0129 0.0121 0.01 0.0062 0.0048 0.0021 0.0016 0.0163 0 0 0 0.0021 0.0078 0.0305 0.0326 0.0502 0.0373
0.0441 0.0449 0.0332 0.0106 0.0125 0.0101 0.0189 0.0132 0.0195 0.0194 0.0117 0.0067 0.0051 0.0055 0.03
2008 7 11 3 0 1 -1 -1 166 0 0 0 7e-04 0.0105 0.0303 0.0791 0.0893 0.089 0.0569 0.0407 0.0353 0.0254 0.0148 0.0116
0.0119 0.0103 0.0115 0.0098 0.0079 0.0071 0.0035 0.0023 0.0132 0 0 0 2e-04 0.0066 0.0163 0.0388 0.048 0.0554
0.0387 0.0294 0.0315 0.0209 0.0126 0.0132 0.0102 0.0089 0.0118 0.0189 0.0171 0.0147 0.0083 0.0062 0.0308
2009 7 11 3 0 1 -1 -1 171 0 0 0 0.0024 0.012 0.0414 0.0646 0.0904 0.0903 0.0742 0.035 0.0222 0.0241 0.0156 0.0094
0.0124 0.0073 0.0073 0.0096 0.0089 0.0063 0.0024 0.0032 0.0141 0 0 0 0.001 0.0086 0.0317 0.0372 0.0453 0.0541
0.0462 0.0231 0.0247 0.0205 0.0165 0.0125 0.0106 0.011 0.0143 0.0159 0.0169 0.0153 0.0097 0.0066 0.0249
2010 7 11 3 0 1 -1 -1 172 0 0 0 0.0017 0.0079 0.0257 0.0727 0.0741 0.1007 0.0964 0.0747 0.0244 0.0225 0.0226
0.0203 0.0071 0.0049 0.0073 0.0061 0.0075 0.0057 0.0065 0.0054 0.0163 0 0 0 0.0037 0.0154 0.0372 0.0359 0.05
0.0465 0.0421 0.016 0.0165 0.0134 0.0113 0.0089 0.0075 0.0056 0.0061 0.0094 0.0129 0.0101 0.0097 0.0313
2011 7 11 3 0 1 -1 -1 166 0 0 0 9e-04 0.0061 0.0161 0.0504 0.1002 0.1118 0.093 0.072 0.0487 0.0229 0.0132 0.011
0.007 0.006 0.0038 0.003 0.0034 0.0027 0.0043 0.003 0.0106 0 0 0 9e-04 0.0041 0.0105 0.0281 0.0619 0.0459 0.0516
0.0433 0.0359 0.0184 0.0129 0.014 0.0112 0.0067 0.0056 0.0058 0.0048 0.0098 0.0065 0.0087 0.0236
2012 7 11 3 0 1 -1 -1 168 0 0 0 0.0067 0.0309 0.0571 0.0858 0.1261 0.0865 0.0753 0.0516 0.0287 0.0132 0.0119
0.0076 0.0041 0.0047 0.0051 0.0041 0.004 0.0024 0.0049 0.0109 0 0 0 0.0066 0.0104 0.0264 0.0455 0.0594 0.0401
0.036 0.0324 0.0226 0.0122 0.0116 0.0102 0.0055 0.0055 0.0047 0.0073 0.0074 0.0068 0.0051 0.0227
2013 7 11 3 0 1 -1 -1 167 0 0 0 0.001 0.0036 0.0109 0.0492 0.0783 0.1141 0.1297 0.0739 0.0634 0.0354 0.0261 0.017
0.011 0.0086 0.006 0.0073 0.0022 0.0046 0.0025 0.0047 0.0146 0 0 0 0.001 0.001 0.0023 0.0123 0.028 0.0502 0.0586
0.0368 0.0312 0.0207 0.0186 0.0096 0.0078 0.0049 0.0064 0.0041 0.0053 0.0059 0.0046 0.0046 0.0219
2014 7 11 3 0 1 -1 -1 227 0 0 0 5e-04 0.0046 0.0111 0.0313 0.0804 0.1067 0.1378 0.1098 0.0667 0.0429 0.0279 0.019
0.0092 0.0093 0.0028 0.0046 0.0017 0.0022 0.0017 0.0014 0.0127 0 0 0 2e-04 0.0019 0.0049 0.0163 0.0302 0.0386
0.0433 0.0477 0.0245 0.0183 0.018 0.0129 0.0086 0.0055 0.0054 0.005 0.0042 9e-04 0.0025 0.003 0.0238
2015 7 11 3 0 1 -1 -1 239 0 0 0 0.0011 0.0063 0.0267 0.0338 0.0713 0.1232 0.1191 0.1158 0.0627 0.0296 0.0165
0.0111 0.0078 0.0038 0.0041 0.0022 0.003 0.0014 0.0022 0.0017 0.0107 0 0 0 0.0029 0.0119 0.015 0.032 0.0392
0.0535 0.0499 0.0348 0.0175 0.018 0.0122 0.0077 0.0098 0.0039 0.0049 0.0024 0.0016 0.0038 0.0054 0.0197

2016 7 11 3 0 1 -1 -1 220 0 0 0 0.003 0.0053 0.0104 0.0365 0.0469 0.0614 0.1132 0.1204 0.0886 0.0627 0.0442 0.0229
0.0104 0.0088 0.0038 0.0025 0.0057 7e-04 0.0017 0.0025 0.016 0 0 0 0.0012 0.0021 0.0051 0.0251 0.0213 0.0371
0.0493 0.0516 0.0297 0.0283 0.0178 0.0092 0.0086 0.0037 0.0039 0.0042 0.0033 0.0031 0.0017 0.0026 0.0239
2017 7 11 3 0 1 -1 -1 166 0 0 0 0.0046 0.0116 0.0116 0.0249 0.0736 0.0749 0.0821 0.1062 0.0939 0.0742 0.0457
0.0197 0.0108 0.0082 0.0042 0.0054 0.0012 0.0022 0.0014 0.002 0.0124 0 0 0 8e-04 0.003 0.004 0.012 0.0364 0.0314
0.0397 0.0465 0.0409 0.0325 0.0209 0.0115 0.0086 0.0068 0.004 0.0034 0.0038 0.0016 0.0014 0.0014 0.0188
2018 7 11 3 0 1 -1 -1 167 0 0 0 0.0029 0.0393 0.0413 0.0288 0.0311 0.0582 0.0627 0.0723 0.0801 0.0788 0.0773
0.0308 0.0174 0.0155 0.0067 0.0031 0.0032 0.0035 0.002 0.0011 0.0099 0 0 0 5e-04 0.0121 0.0125 0.0104 0.0167
0.0377 0.0285 0.0407 0.0363 0.0293 0.0312 0.0201 0.0127 0.0083 0.0056 0.0061 0.0037 0.0019 0.0031 0.0017 0.0148
2019 7 11 3 0 1 -1 -1 167 0 0 0 0.0058 0.0206 0.0849 0.0666 0.0412 0.0422 0.0538 0.0531 0.0542 0.0527 0.0372
0.0261 0.0207 0.0136 0.0048 0.004 0.0015 0.0027 0.0016 8e-04 0.0051 0 0 0 0.0039 0.0124 0.0287 0.0183 0.0131
0.0271 0.0338 0.0422 0.0413 0.0457 0.0353 0.0283 0.0233 0.0137 0.0076 0.0076 0.0024 0.0019 0.0023 0.0029 0.0151
Survey proportions at age for Region 4B by sex updated 2019
1997 7 12 3 0 2 -1 -1 74 0 0 0 0.0055 9e-04 0.0087 0.016 0.0356 0.0766 0.0524 0.0214 0.0228 0.0269 0.016 0.0201
0.0269 0.0128 0.0219 0.0223 0 0 0 0 0 0 0.0032 0.0023 0.0105 0.0228 0.0524 0.1294 0.0688 0.0401 0.0305 0.0428
0.0273 0.0273 0.0419 0.0246 0.0296 0.0597 0 0 0 0
1998 7 12 3 0 1 -1 -1 41 0 0 0 0.0062 0.0164 0.0062 0.0103 0.0205 0.0226 0.0534 0.0349 0.0287 0.0226 0.0267 0.0164
0.0226 0.0246 0.0185 0.0082 0.0123 0.0103 0 0.0041 0.0185 0 0 0 0.0021 0.0103 0.0082 0.0082 0.0329 0.0452 0.0616
0.1047 0.037 0.0226 0.0431 0.0185 0.039 0.0411 0.0329 0.0205 0.0226 0.0082 0.0144 0.0164 0.0267
1999 7 12 3 0 2 -1 -1 82 0 0 0 0.0012 0.0132 0.0259 0.0138 0.0229 0.0349 0.0547 0.0848 0.0469 0.0222 0.0132 0.0192
0.0186 0.012 0.012 0.0253 0 0 0 0 0 0 6e-04 0.0072 0.018 0.0132 0.0259 0.0409 0.0896 0.1269 0.0655 0.0337
0.0313 0.0355 0.0277 0.015 0.021 0.0271 0 0 0 0
2000 7 12 3 0 2 -1 -1 83 0 0 0 0.0014 0.0062 0.0187 0.0345 0.0134 0.0182 0.0306 0.0426 0.068 0.0321 0.0139 0.0129
0.0168 0.0091 0.0096 0.0383 0 0 0 0 0 0 0.001 0.0057 0.022 0.0349 0.0225 0.0326 0.0507 0.0886 0.113 0.0393
0.0297 0.0469 0.0263 0.0335 0.0292 0.0579 0 0 0 0
2001 7 12 3 0 2 -1 -1 83 0 0 0 0.0032 0.0077 0.0194 0.0277 0.0516 0.0329 0.0155 0.0239 0.0323 0.0503 0.0303 0.0174
0.0206 0.0168 0.009 0.0226 0 0 0 0 0 0 0.0019 0.0065 0.0084 0.0277 0.0406 0.0406 0.0245 0.0477 0.0748 0.1
0.0665 0.0497 0.0342 0.0361 0.0252 0.0342 0 0 0 0
2002 7 12 3 0 1 -1 -1 82 0 0 0 9e-04 0.0116 0.0196 0.025 0.0384 0.0312 0.0169 0.0187 0.0169 0.0375 0.041 0.0178
0.0134 0.0054 0.0143 0.008 0.008 0.0187 0.008 0.0071 0.025 0 0 0 0.0036 0.0107 0.0178 0.0161 0.0384 0.0321 0.0303
0.0339 0.0473 0.05 0.0633 0.0357 0.0232 0.0205 0.033 0.0196 0.0125 0.0294 0.0134 0.0187 0.0669
2003 7 12 3 0 1 -1 -1 82 0 0 0 0.0022 0.0067 0.0311 0.0355 0.0355 0.0388 0.0366 0.0183 0.0128 0.0155 0.0266 0.0277
0.025 0.02 0.0055 0.0072 0.01 0.0083 0.0117 0.0061 0.0205 0 0 0 0.0022 0.005 0.0289 0.0322 0.0289 0.0433 0.0422
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0.0362 0.047 0.0352 0.0225 0.0204 0.0199 0.0378 0.0378 0.0332 0.0163 0.0128 0.0179 0.0117 0.0123 0.0689
2006 7 12 3 0 1 -1 -1 84 0 0 0 9e-04 0.0239 0.0234 0.0378 0.0207 0.0365 0.0441 0.0239 0.0275 0.0275 0.0099 0.0068
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2007 7 12 3 0 1 -1 -1 73 0 0 0 0.002 0.0185 0.0465 0.0575 0.0345 0.0205 0.0285 0.031 0.027 0.0225 0.014 0.009 0.006
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2009 7 12 3 0 1 -1 -1 84 0 0 0 5e-04 0.0059 0.0186 0.0337 0.0496 0.05 0.0196 0.0241 0.0255 0.0164 0.0141 0.0227
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0.0346 0.045 0.0368 0.0327 0.05 0.04 0.0123 0.0082 0.0141 0.0227 0.0227 0.0164 0.0146 0.0814
2010 7 12 3 0 1 -1 -1 76 0 0 0 7e-04 0.0087 0.0268 0.0416 0.0523 0.0523 0.0483 0.0215 0.0215 0.0168 0.0141 0.0141
0.0127 0.0148 0.004 0.0027 0.0027 0.0034 0.008 0.0047 0.0127 0 0 0 7e-04 0.0034 0.0154 0.0396 0.0563 0.0731

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-9999	0	0 # End of environmental variable reads

0 # Number of size-frequency methods

0 # Use tag data: 0=no, 1=yes

0 # Use morph composition data: 0=no, 1=yes

0 # Use direct selectivity observations: 0=no, 1=yes

999 # End of data file