

#C #####

#C # Halibut data file for 2025

#C # Areas-as-fleets short time-series model

#C # Survey and fishery are partitioned by Region

#C #####

Global settings

1992 # Start year

2025 # 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

13 # Number of fleets

#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			
1	-1	1	1	0
	NoU26Non_directed_discards			

#C ### Catch section ###

#C # Halibut catch in thousands of lbs - this is NOT metric tons!!

Mortality estimates updated 2025

#	Year	season	fleet	catch	catchSE	#	name
1992	1	1	18268	0.01	#	R2 Commercial	
1993	1	1	22737	0.01	#	R2 Commercial	
1994	1	1	20942	0.01	#	R2 Commercial	
1995	1	1	17835	0.01	#	R2 Commercial	

1996	1	1	18864	0.01	#	R2 Commercial
1997	1	1	22890	0.01	#	R2 Commercial
1998	1	1	24017	0.01	#	R2 Commercial
1999	1	1	23468	0.01	#	R2 Commercial
2000	1	1	19870	0.01	#	R2 Commercial
2001	1	1	19496	0.01	#	R2 Commercial
2002	1	1	21629	0.01	#	R2 Commercial
2003	1	1	21123	0.01	#	R2 Commercial
2004	1	1	23373	0.01	#	R2 Commercial
2005	1	1	23856	0.01	#	R2 Commercial
2006	1	1	23413	0.01	#	R2 Commercial
2007	1	1	19109	0.01	#	R2 Commercial
2008	1	1	14702	0.01	#	R2 Commercial
2009	1	1	12131	0.01	#	R2 Commercial
2010	1	1	11687	0.01	#	R2 Commercial
2011	1	1	9747	0.01	#	R2 Commercial
2012	1	1	9305	0.01	#	R2 Commercial
2013	1	1	9696	0.01	#	R2 Commercial
2014	1	1	9879	0.01	#	R2 Commercial
2015	1	1	10382	0.01	#	R2 Commercial
2016	1	1	10837	0.01	#	R2 Commercial
2017	1	1	11250	0.01	#	R2 Commercial
2018	1	1	9787	0.01	#	R2 Commercial
2019	1	1	9721	0.01	#	R2 Commercial
2020	1	1	9347	0.01	#	R2 Commercial
2021	1	1	9546	0.01	#	R2 Commercial

2022	1	1	9870	0.01	#	R2 Commercial
2023	1	1	9250	0.01	#	R2 Commercial
2024	1	1	8523	0.01	#	R2 Commercial
2025	1	1	7458	0.01	#	R2 Commercial
1992	1	2	36355	0.01	#	R3 Commercial
1993	1	2	31139	0.01	#	R3 Commercial
1994	1	2	29833	0.01	#	R3 Commercial
1995	1	2	21808	0.01	#	R3 Commercial
1996	1	2	23647	0.01	#	R3 Commercial
1997	1	2	33967	0.01	#	R3 Commercial
1998	1	2	37233	0.01	#	R3 Commercial
1999	1	2	39410	0.01	#	R3 Commercial
2000	1	2	34932	0.01	#	R3 Commercial
2001	1	2	38050	0.01	#	R3 Commercial
2002	1	2	40697	0.01	#	R3 Commercial
2003	1	2	40217	0.01	#	R3 Commercial
2004	1	2	40802	0.01	#	R3 Commercial
2005	1	2	39359	0.01	#	R3 Commercial
2006	1	2	36613	0.01	#	R3 Commercial
2007	1	2	35877	0.01	#	R3 Commercial
2008	1	2	35377	0.01	#	R3 Commercial
2009	1	2	32632	0.01	#	R3 Commercial
2010	1	2	30690	0.01	#	R3 Commercial
2011	1	2	22049	0.01	#	R3 Commercial
2012	1	2	17160	0.01	#	R3 Commercial
2013	1	2	15226	0.01	#	R3 Commercial

2014	1	2	10636	0.01	#	R3 Commercial
2015	1	2	10715	0.01	#	R3 Commercial
2016	1	2	10345	0.01	#	R3 Commercial
2017	1	2	10972	0.01	#	R3 Commercial
2018	1	2	10061	0.01	#	R3 Commercial
2019	1	2	10568	0.01	#	R3 Commercial
2020	1	2	9590	0.01	#	R3 Commercial
2021	1	2	11588	0.01	#	R3 Commercial
2022	1	2	11790	0.01	#	R3 Commercial
2023	1	2	10155	0.01	#	R3 Commercial
2024	1	2	9562	0.01	#	R3 Commercial
2025	1	2	7685	0.01	#	R3 Commercial
1992	1	3	4425	0.01	#	R4 Commercial
1993	1	3	4403	0.01	#	R4 Commercial
1994	1	3	3446	0.01	#	R4 Commercial
1995	1	3	3106	0.01	#	R4 Commercial
1996	1	3	3292	0.01	#	R4 Commercial
1997	1	3	5500	0.01	#	R4 Commercial
1998	1	3	6240	0.01	#	R4 Commercial
1999	1	3	8371	0.01	#	R4 Commercial
2000	1	3	9210	0.01	#	R4 Commercial
2001	1	3	9065	0.01	#	R4 Commercial
2002	1	3	8663	0.01	#	R4 Commercial
2003	1	3	8340	0.01	#	R4 Commercial
2004	1	3	6555	0.01	#	R4 Commercial
2005	1	3	6923	0.01	#	R4 Commercial

2006	1	3	6596	0.01	#	R4 Commercial
2007	1	3	6696	0.01	#	R4 Commercial
2008	1	3	6918	0.01	#	R4 Commercial
2009	1	3	5854	0.01	#	R4 Commercial
2010	1	3	5658	0.01	#	R4 Commercial
2011	1	3	5815	0.01	#	R4 Commercial
2012	1	3	3925	0.01	#	R4 Commercial
2013	1	3	3024	0.01	#	R4 Commercial
2014	1	3	2173	0.01	#	R4 Commercial
2015	1	3	2574	0.01	#	R4 Commercial
2016	1	3	2871	0.01	#	R4 Commercial
2017	1	3	2944	0.01	#	R4 Commercial
2018	1	3	2700	0.01	#	R4 Commercial
2019	1	3	3079	0.01	#	R4 Commercial
2020	1	3	2770	0.01	#	R4 Commercial
2021	1	3	2863	0.01	#	R4 Commercial
2022	1	3	2864	0.01	#	R4 Commercial
2023	1	3	2197	0.01	#	R4 Commercial
2024	1	3	1527	0.01	#	R4 Commercial
2025	1	3	1374	0.01	#	R4 Commercial
1992	1	4	2354	0.01	#	R4B Commercial
1993	1	4	2003	0.01	#	R4B Commercial
1994	1	4	2063	0.01	#	R4B Commercial
1995	1	4	1695	0.01	#	R4B Commercial
1996	1	4	2093	0.01	#	R4B Commercial
1997	1	4	3352	0.01	#	R4B Commercial

1998	1	4	2919	0.01	#	R4B Commercial
1999	1	4	3606	0.01	#	R4B Commercial
2000	1	4	4744	0.01	#	R4B Commercial
2001	1	4	4509	0.01	#	R4B Commercial
2002	1	4	4123	0.01	#	R4B Commercial
2003	1	4	3883	0.01	#	R4B Commercial
2004	1	4	2732	0.01	#	R4B Commercial
2005	1	4	1989	0.01	#	R4B Commercial
2006	1	4	1600	0.01	#	R4B Commercial
2007	1	4	1434	0.01	#	R4B Commercial
2008	1	4	1787	0.01	#	R4B Commercial
2009	1	4	1626	0.01	#	R4B Commercial
2010	1	4	1851	0.01	#	R4B Commercial
2011	1	4	2076	0.01	#	R4B Commercial
2012	1	4	1747	0.01	#	R4B Commercial
2013	1	4	1257	0.01	#	R4B Commercial
2014	1	4	1129	0.01	#	R4B Commercial
2015	1	4	1112	0.01	#	R4B Commercial
2016	1	4	1115	0.01	#	R4B Commercial
2017	1	4	1099	0.01	#	R4B Commercial
2018	1	4	1073	0.01	#	R4B Commercial
2019	1	4	1014	0.01	#	R4B Commercial
2020	1	4	903	0.01	#	R4B Commercial
2021	1	4	778	0.01	#	R4B Commercial
2022	1	4	555	0.01	#	R4B Commercial
2023	1	4	405	0.01	#	R4B Commercial

2024	1	4	288		0.01	#	R4B Commercial
2025	1	4	203		0.01	#	R4B Commercial
1992	1	5	1248	0.01	#		Discard
1993	1	5	1234	0.01	#		Discard
1994	1	5	1214	0.01	#		Discard
1995	1	5	676		0.01	#	Discard
1996	1	5	818		0.01	#	Discard
1997	1	5	1227	0.01	#		Discard
1998	1	5	1379	0.01	#		Discard
1999	1	5	1254	0.01	#		Discard
2000	1	5	1203	0.01	#		Discard
2001	1	5	1430	0.01	#		Discard
2002	1	5	1442	0.01	#		Discard
2003	1	5	1886	0.01	#		Discard
2004	1	5	2149	0.01	#		Discard
2005	1	5	1941	0.01	#		Discard
2006	1	5	2349	0.01	#		Discard
2007	1	5	2451	0.01	#		Discard
2008	1	5	2654	0.01	#		Discard
2009	1	5	2857	0.01	#		Discard
2010	1	5	3146	0.01	#		Discard
2011	1	5	2365	0.01	#		Discard
2012	1	5	1617	0.01	#		Discard
2013	1	5	1376	0.01	#		Discard
2014	1	5	1260	0.01	#		Discard
2015	1	5	1259	0.01	#		Discard

2016	1	5	1148	0.01	#	Discard
2017	1	5	967		0.01 #	Discard
2018	1	5	784		0.01 #	Discard
2019	1	5	917		0.01 #	Discard
2020	1	5	720		0.01 #	Discard
2021	1	5	937		0.01 #	Discard
2022	1	5	1361	0.01	#	Discard
2023	1	5	1196	0.01	#	Discard
2024	1	5	1260	0.01	#	Discard
2025	1	5	894		0.01 #	Discard
1992	1	6	20294	0.01	#	Non-directed discards
1993	1	6	15965	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	12931	0.01	#	Non-directed discards
1999	1	6	13316	0.01	#	Non-directed discards
2000	1	6	12778	0.01	#	Non-directed discards
2001	1	6	12631	0.01	#	Non-directed discards
2002	1	6	12087	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	11521	0.01	#	Non-directed discards
2007	1	6	11357	0.01	#	Non-directed discards

2008	1	6	10910	0.01	#	Non-directed discards
2009	1	6	10589	0.01	#	Non-directed discards
2010	1	6	9747	0.01	#	Non-directed discards
2011	1	6	8498	0.01	#	Non-directed discards
2012	1	6	9296	0.01	#	Non-directed discards
2013	1	6	8924	0.01	#	Non-directed discards
2014	1	6	9076	0.01	#	Non-directed discards
2015	1	6	7606	0.01	#	Non-directed discards
2016	1	6	7160	0.01	#	Non-directed discards
2017	1	6	6218	0.01	#	Non-directed discards
2018	1	6	6112	0.01	#	Non-directed discards
2019	1	6	6561	0.01	#	Non-directed discards
2020	1	6	4586	0.01	#	Non-directed discards
2021	1	6	3853	0.01	#	Non-directed discards
2022	1	6	5081	0.01	#	Non-directed discards
2023	1	6	4339	0.01	#	Non-directed discards
2024	1	6	4369	0.01	#	Non-directed discards
2025	1	6	4643	0.01	#	Non-directed discards
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	7042	0.01	#	Recreational
2020	1	7	5361	0.01	#	Recreational
2021	1	7	7647	0.01	#	Recreational
2022	1	7	6278	0.01	#	Recreational
2023	1	7	6211	0.01	#	Recreational
2024	1	7	6364	0.01	#	Recreational
2025	1	7	5718	0.01	#	Recreational

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	745		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	1237	0.01	#	Subsistence
2011	1	8	1144	0.01	#	Subsistence
2012	1	8	1144	0.01	#	Subsistence
2013	1	8	1130	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	1060	0.01	#	Subsistence
2020	1	8	980	0.01	#	Subsistence
2021	1	8	970	0.01	#	Subsistence
2022	1	8	832	0.01	#	Subsistence
2023	1	8	831	0.01	#	Subsistence
2024	1	8	827	0.01	#	Subsistence
2025	1	8	823	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 Error dist 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
13	1	0	0	# NoU26Non-directed discards

Survey and CPUE observations

# Yr	Month	Fleet	Obs	log(SE)	# Name
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Region 2 Commercial WPUE updated 2025

1992	1007	1	168.62	0.042	# R2 Commercial
1993	1007	1	201.41	0.031	# R2 Commercial
1994	1007	1	174.76	0.025	# R2 Commercial
1995	1007	1	195.53	0.024	# R2 Commercial
1996	1007	1	218.90	0.040	# R2 Commercial
1997	1007	1	241.89	0.038	# R2 Commercial
1998	1007	1	226.13	0.083	# R2 Commercial
1999	1007	1	262.73	0.125	# R2 Commercial
2000	1007	1	237.49	0.035	# R2 Commercial
2001	1007	1	206.35	0.035	# R2 Commercial
2002	1007	1	219.54	0.028	# R2 Commercial
2003	1007	1	214.78	0.034	# R2 Commercial
2004	1007	1	197.93	0.026	# R2 Commercial
2005	1007	1	182.64	0.020	# R2 Commercial
2006	1007	1	183.11	0.029	# R2 Commercial
2007	1007	1	161.87	0.020	# R2 Commercial
2008	1007	1	137.09	0.020	# R2 Commercial
2009	1007	1	155.77	0.019	# R2 Commercial
2010	1007	1	183.70	0.032	# R2 Commercial
2011	1007	1	182.88	0.020	# R2 Commercial

2012 1007 1 196.27 0.021 # R2 Commercial
2013 1007 1 196.79 0.025 # R2 Commercial
2014 1007 1 216.37 0.024 # R2 Commercial
2015 1007 1 221.95 0.022 # R2 Commercial
2016 1007 1 218.59 0.019 # R2 Commercial
2017 1007 1 215.81 0.019 # R2 Commercial
2018 1007 1 198.88 0.025 # R2 Commercial
2019 1007 1 186.87 0.027 # R2 Commercial
2020 1007 1 174.70 0.022 # R2 Commercial
2021 1007 1 179.26 0.024 # R2 Commercial
2022 1007 1 162.33 0.023 # R2 Commercial
2023 1007 1 146.78 0.026 # R2 Commercial
2024 1007 1 133.93 0.026 # R2 Commercial
2025 1007 1 120.19 0.051 # R2 Commercial
Region 3 Commercial WPUE updated 2025
1992 1007 2 397.86 0.033 # R3 Commercial
1993 1007 2 415.16 0.026 # R3 Commercial
1994 1007 2 366.72 0.043 # R3 Commercial
1995 1007 2 447.77 0.035 # R3 Commercial
1996 1007 2 517.77 0.040 # R3 Commercial
1997 1007 2 516.25 0.025 # R3 Commercial
1998 1007 2 535.55 0.020 # R3 Commercial
1999 1007 2 510.73 0.020 # R3 Commercial
2000 1007 2 505.68 0.023 # R3 Commercial
2001 1007 2 499.28 0.022 # R3 Commercial
2002 1007 2 499.84 0.022 # R3 Commercial

2003 1007 2 482.36 0.023 # R3 Commercial
2004 1007 2 450.02 0.021 # R3 Commercial
2005 1007 2 404.93 0.020 # R3 Commercial
2006 1007 2 379.22 0.018 # R3 Commercial
2007 1007 2 360.07 0.018 # R3 Commercial
2008 1007 2 334.07 0.018 # R3 Commercial
2009 1007 2 288.94 0.018 # R3 Commercial
2010 1007 2 252.89 0.021 # R3 Commercial
2011 1007 2 236.36 0.024 # R3 Commercial
2012 1007 2 222.41 0.030 # R3 Commercial
2013 1007 2 200.08 0.031 # R3 Commercial
2014 1007 2 188.03 0.035 # R3 Commercial
2015 1007 2 227.27 0.035 # R3 Commercial
2016 1007 2 219.98 0.038 # R3 Commercial
2017 1007 2 222.46 0.035 # R3 Commercial
2018 1007 2 196.22 0.041 # R3 Commercial
2019 1007 2 225.22 0.035 # R3 Commercial
2020 1007 2 220.32 0.039 # R3 Commercial
2021 1007 2 198.19 0.037 # R3 Commercial
2022 1007 2 137.95 0.036 # R3 Commercial
2023 1007 2 118.24 0.034 # R3 Commercial
2024 1007 2 106.71 0.060 # R3 Commercial
2025 1007 2 97.62 0.160 # R3 Commercial
Region 4 Commercial WPUE updated 2025
1992 1007 3 316.03 0.075 # R4 Commercial
1993 1007 3 371.59 0.085 # R4 Commercial

1994 1007 3 337.98 0.086 # R4 Commercial
1995 1007 3 325.46 0.069 # R4 Commercial
1996 1007 3 407.09 0.072 # R4 Commercial
1997 1007 3 411.84 0.075 # R4 Commercial
1998 1007 3 433.14 0.073 # R4 Commercial
1999 1007 3 406.62 0.058 # R4 Commercial
2000 1007 3 402.88 0.054 # R4 Commercial
2001 1007 3 364.39 0.061 # R4 Commercial
2002 1007 3 296.36 0.061 # R4 Commercial
2003 1007 3 249.59 0.072 # R4 Commercial
2004 1007 3 226.46 0.073 # R4 Commercial
2005 1007 3 203.41 0.067 # R4 Commercial
2006 1007 3 183.27 0.061 # R4 Commercial
2007 1007 3 153.48 0.049 # R4 Commercial
2008 1007 3 158.92 0.065 # R4 Commercial
2009 1007 3 177.37 0.053 # R4 Commercial
2010 1007 3 143.97 0.065 # R4 Commercial
2011 1007 3 142.50 0.054 # R4 Commercial
2012 1007 3 136.20 0.065 # R4 Commercial
2013 1007 3 128.23 0.074 # R4 Commercial
2014 1007 3 125.79 0.088 # R4 Commercial
2015 1007 3 138.57 0.057 # R4 Commercial
2016 1007 3 129.38 0.063 # R4 Commercial
2017 1007 3 129.02 0.081 # R4 Commercial
2018 1007 3 115.88 0.058 # R4 Commercial
2019 1007 3 102.11 0.099 # R4 Commercial

2020 1007 3 103.75 0.083 # R4 Commercial
2021 1007 3 126.93 0.052 # R4 Commercial
2022 1007 3 122.94 0.050 # R4 Commercial
2023 1007 3 85.46 0.050 # R4 Commercial
2024 1007 3 78.26 0.062 # R4 Commercial
2025 1007 3 102.89 0.174 # R4 Commercial
Region 4B Commercial WPUE updated 2025
1992 1007 4 238 0.090 # R4B commercial
1993 1007 4 201 0.065 # R4B commercial
1994 1007 4 186 0.079 # R4B commercial
1995 1007 4 182 0.204 # R4B commercial
1996 1007 4 259 0.071 # R4B commercial
1997 1007 4 266 0.048 # R4B commercial
1998 1007 4 273 0.049 # R4B commercial
1999 1007 4 304 0.040 # R4B commercial
2000 1007 4 317 0.039 # R4B commercial
2001 1007 4 270 0.055 # R4B commercial
2002 1007 4 241 0.063 # R4B commercial
2003 1007 4 220 0.117 # R4B commercial
2004 1007 4 208 0.054 # R4B commercial
2005 1007 4 211 0.085 # R4B commercial
2006 1007 4 193 0.078 # R4B commercial
2007 1007 4 218 0.093 # R4B commercial
2008 1007 4 189 0.062 # R4B commercial
2009 1007 4 193 0.090 # R4B commercial
2010 1007 4 140 0.066 # R4B commercial

2011 1007 4 166 0.091 # R4B commercial
2012 1007 4 158 0.066 # R4B commercial
2013 1007 4 131 0.057 # R4B commercial
2014 1007 4 149 0.066 # R4B commercial
2015 1007 4 151 0.077 # R4B commercial
2016 1007 4 125 0.083 # R4B commercial
2017 1007 4 122 0.073 # R4B commercial
2018 1007 4 137 0.071 # R4B commercial
2019 1007 4 113 0.082 # R4B commercial
2020 1007 4 109 0.061 # R4B commercial
2021 1007 4 89 0.057 # R4B commercial
2022 1007 4 81 0.084 # R4B commercial
2023 1007 4 91 0.094 # R4B commercial
2024 1007 4 111 0.101 # R4B commercial
2025 1007 4 124 0.176 # R4B commercial

Region 2 survey NPUE updated 2025

1993 7 9 6.11 0.096 # R2 Survey
1994 7 9 7.28 0.102 # R2 Survey
1995 7 9 8.62 0.067 # R2 Survey
1996 7 9 7.64 0.051 # R2 Survey
1997 7 9 7.18 0.048 # R2 Survey
1998 7 9 6.01 0.048 # R2 Survey
1999 7 9 4.93 0.047 # R2 Survey
2000 7 9 5.43 0.049 # R2 Survey
2001 7 9 6.36 0.043 # R2 Survey
2002 7 9 6.32 0.045 # R2 Survey

2003 7 9 5.41 0.046 # R2 Survey
2004 7 9 4.91 0.046 # R2 Survey
2005 7 9 5.49 0.044 # R2 Survey
2006 7 9 5.39 0.045 # R2 Survey
2007 7 9 6.02 0.042 # R2 Survey
2008 7 9 5.99 0.041 # R2 Survey
2009 7 9 6.11 0.041 # R2 Survey
2010 7 9 5.95 0.038 # R2 Survey
2011 7 9 6.09 0.039 # R2 Survey
2012 7 9 7.22 0.038 # R2 Survey
2013 7 9 6.99 0.038 # R2 Survey
2014 7 9 7.11 0.036 # R2 Survey
2015 7 9 7.84 0.037 # R2 Survey
2016 7 9 7.95 0.036 # R2 Survey
2017 7 9 5.76 0.036 # R2 Survey
2018 7 9 5.13 0.031 # R2 Survey
2019 7 9 5.32 0.034 # R2 Survey
2020 7 9 4.96 0.033 # R2 Survey
2021 7 9 5.62 0.032 # R2 Survey
2022 7 9 5.67 0.035 # R2 Survey
2023 7 9 5.87 0.033 # R2 Survey
2024 7 9 6.26 0.053 # R2 Survey
2025 7 9 5.29 0.060 # R2 Survey
Region 3 survey NPUE updated 2025
1993 7 10 22.97 0.114 # R3 Survey
1994 7 10 22.66 0.085 # R3 Survey

1995 7 10 24.35 0.077 # R3 Survey
1996 7 10 25.05 0.052 # R3 Survey
1997 7 10 27.10 0.051 # R3 Survey
1998 7 10 23.80 0.035 # R3 Survey
1999 7 10 22.54 0.038 # R3 Survey
2000 7 10 24.52 0.044 # R3 Survey
2001 7 10 21.67 0.041 # R3 Survey
2002 7 10 23.53 0.036 # R3 Survey
2003 7 10 23.10 0.034 # R3 Survey
2004 7 10 26.07 0.037 # R3 Survey
2005 7 10 21.85 0.034 # R3 Survey
2006 7 10 20.93 0.037 # R3 Survey
2007 7 10 22.58 0.042 # R3 Survey
2008 7 10 20.51 0.041 # R3 Survey
2009 7 10 18.91 0.043 # R3 Survey
2010 7 10 19.53 0.040 # R3 Survey
2011 7 10 19.89 0.035 # R3 Survey
2012 7 10 20.24 0.031 # R3 Survey
2013 7 10 15.55 0.030 # R3 Survey
2014 7 10 18.62 0.030 # R3 Survey
2015 7 10 18.45 0.030 # R3 Survey
2016 7 10 18.89 0.032 # R3 Survey
2017 7 10 13.37 0.031 # R3 Survey
2018 7 10 12.15 0.029 # R3 Survey
2019 7 10 10.94 0.027 # R3 Survey
2020 7 10 11.38 0.033 # R3 Survey

2021 7 10 14.39 0.028 # R3 Survey

2022 7 10 12.38 0.051 # R3 Survey

2023 7 10 11.54 0.041 # R3 Survey

2024 7 10 11.30 0.072 # R3 Survey

2025 7 10 11.25 0.091 # R3 Survey

Region 4 survey NPUE updated 2025

1993 7 11 1.83 0.145 # R4 Survey

1994 7 11 2.08 0.122 # R4 Survey

1995 7 11 2.09 0.114 # R4 Survey

1996 7 11 2.28 0.096 # R4 Survey

1997 7 11 2.47 0.064 # R4 Survey

1998 7 11 2.58 0.062 # R4 Survey

1999 7 11 2.29 0.063 # R4 Survey

2000 7 11 2.41 0.061 # R4 Survey

2001 7 11 2.28 0.061 # R4 Survey

2002 7 11 2.17 0.060 # R4 Survey

2003 7 11 2.05 0.059 # R4 Survey

2004 7 11 2.03 0.058 # R4 Survey

2005 7 11 2.09 0.058 # R4 Survey

2006 7 11 2.16 0.051 # R4 Survey

2007 7 11 2.10 0.056 # R4 Survey

2008 7 11 2.37 0.059 # R4 Survey

2009 7 11 2.36 0.056 # R4 Survey

2010 7 11 2.24 0.053 # R4 Survey

2011 7 11 2.13 0.051 # R4 Survey

2012 7 11 2.09 0.048 # R4 Survey

2013 7 11 1.92 0.047 # R4 Survey
2014 7 11 1.94 0.043 # R4 Survey
2015 7 11 1.94 0.047 # R4 Survey
2016 7 11 1.85 0.049 # R4 Survey
2017 7 11 1.70 0.052 # R4 Survey
2018 7 11 1.60 0.052 # R4 Survey
2019 7 11 1.57 0.056 # R4 Survey
2020 7 11 1.53 0.071 # R4 Survey
2021 7 11 1.47 0.056 # R4 Survey
2022 7 11 1.44 0.050 # R4 Survey
2023 7 11 1.46 0.060 # R4 Survey
2024 7 11 1.47 0.066 # R4 Survey
2025 7 11 1.57 0.062 # R4 Survey

Region 4B survey NPUE updated 2025

1993 7 12 10.42 0.284 # R4B Survey
1994 7 12 10.58 0.250 # R4B Survey
1995 7 12 10.84 0.212 # R4B Survey
1996 7 12 11.11 0.174 # R4B Survey
1997 7 12 11.35 0.103 # R4B Survey
1998 7 12 11.53 0.107 # R4B Survey
1999 7 12 9.70 0.128 # R4B Survey
2000 7 12 8.76 0.139 # R4B Survey
2001 7 12 6.86 0.163 # R4B Survey
2002 7 12 4.98 0.194 # R4B Survey
2003 7 12 4.13 0.203 # R4B Survey
2004 7 12 3.82 0.193 # R4B Survey

2005 7 12 3.69 0.187 # R4B Survey
2006 7 12 4.24 0.177 # R4B Survey
2007 7 12 5.26 0.172 # R4B Survey
2008 7 12 5.14 0.159 # R4B Survey
2009 7 12 4.42 0.167 # R4B Survey
2010 7 12 4.14 0.176 # R4B Survey
2011 7 12 4.00 0.162 # R4B Survey
2012 7 12 3.64 0.158 # R4B Survey
2013 7 12 4.92 0.132 # R4B Survey
2014 7 12 4.33 0.129 # R4B Survey
2015 7 12 4.28 0.139 # R4B Survey
2016 7 12 4.81 0.123 # R4B Survey
2017 7 12 3.91 0.088 # R4B Survey
2018 7 12 3.87 0.127 # R4B Survey
2019 7 12 3.69 0.146 # R4B Survey
2020 7 12 3.69 0.171 # R4B Survey
2021 7 12 3.65 0.138 # R4B Survey
2022 7 12 3.58 0.192 # R4B Survey
2023 7 12 3.85 0.222 # R4B Survey
2024 7 12 4.07 0.219 # R4B Survey
2025 7 12 4.26 0.200 # R4B Survey
-9999 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
0.001 0.0001 0 0 0 0 1 # NoU26Non-directed discards

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)

R2 Commercial fishery sexes-aggregated updated 2025

1992 1007 1 0 0 2 -1 -1 2565 0 0.00000.00050.0011
0.00540.03360.08260.10990.10750.11840.14440.12470.08860.07340.04140.0239
0.01760.00960.01750.00000.00000.00000.00000.00000.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.0000
1993 1007 1 0 0 2 -1 -1 1865 0 0.00000.00020.0023
0.00580.01230.05160.10260.14440.11900.13370.12660.10560.06410.05010.0290
0.01650.01360.02270.00000.00000.00000.00000.00000.00000.00000.00000.0000

2021 1007 1 3 0 1 -1 -1 1216 0.00000.00000.00000.0018
0.00600.02060.05190.09460.07690.04380.05410.05590.05800.07730.05460.0419
0.02880.01370.01930.00590.00400.00490.00300.00830.00000.00000.00000.0003
0.00030.00060.00410.01320.00960.00890.01130.01970.02040.04090.03770.0257
0.02050.01320.01600.00730.00550.00480.00310.0114

2022 1007 1 3 0 1 -1 -1 878 0.00000.00000.00000.0017
0.00470.01770.04160.07560.10590.06680.05610.05090.04210.07320.03160.0371
0.03840.01520.02810.00320.00530.00550.00160.01930.00000.00000.00000.0000
0.00030.00140.00340.00760.01610.00920.00680.01410.01350.03710.03000.0368
0.02660.01140.02700.00700.00660.00530.00350.0145

2023 1007 1 3 0 1 -1 -1 823 0.00000.00000.00000.0003
0.00660.02330.05070.06910.08370.12570.08660.05070.04040.03390.03520.0322
0.03930.01540.01750.00620.00550.00420.00290.00820.00000.00000.00000.0000
0.00080.00110.00460.00600.01430.01800.01580.01180.01540.02400.01900.0224
0.04060.01920.01790.00600.00610.00520.00340.0105

2024 1007 1 3 0 1 -1 -1 865 0.00000.00000.00000.0012
0.00360.02130.05700.07680.07850.09100.10340.07210.03340.04680.02410.0303
0.02930.01990.01750.00980.00510.00780.00260.01310.00000.00000.00000.0000
0.00040.00150.00230.00310.00810.01560.01840.02080.01460.02160.01720.0175
0.02200.02650.02490.01240.00550.00420.00160.0170

Terminal year unsexed updated 2025

2025 1007 1 0 0 1 -1 -1 419 0.00000.00000.00000.0029
0.00560.03660.11200.15370.13110.09680.09300.11800.05390.02270.02290.0252
0.02780.01940.03580.01810.00850.00580.00220.00790.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.0000

R3 Commercial fishery sexes-aggregated updated 2025

1992 1007 2 0 0 2 -1 -1 849 0.00000.00000.00000.0000
0.00030.00590.04050.11120.09690.16660.19270.12600.09140.07640.03980.0222
0.01580.00670.00770.00000.00000.00000.00000.00000.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.0000

1993 1007 2 0 0 2 -1 -1 977 0.00000.00000.00000.0000
0.00040.00400.02350.06330.13150.12370.12910.16200.12840.08990.06570.0372

0.06390.07390.07120.04410.02410.01850.01720.03380.00000.00000.00000.0000
 0.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.0000
 0.00000.00000.00000.00000.00000.00000.00000.00000

2008 1007 2 0 0 1 -1 -1 642 0.00000.00000.00000.0002
 0.00060.00410.01720.05440.06830.07510.09490.11580.09990.05810.04490.0571
 0.04110.04200.05270.05090.03250.02560.01970.04490.00000.00000.00000.0000
 0.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.0000
 0.00000.00000.00000.00000.00000.00000.00000.00000

2009 1007 2 0 0 1 -1 -1 816 0.00000.00000.00000.0000
 0.00090.01050.03370.08270.13680.11950.08870.08050.08600.06010.03910.0294
 0.03680.02600.03380.04060.03220.02050.00730.03480.00000.00000.00000.0000
 0.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.0000
 0.00000.00000.00000.00000.00000.00000.00000.00000

2010 1007 2 0 0 1 -1 -1 700 0.00000.00000.00000.0003
 0.00060.00430.02040.04570.09410.16100.13190.09080.07910.07090.06830.0328
 0.02770.02660.02620.02640.02410.02780.01320.02780.00000.00000.00000.0000
 0.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.0000
 0.00000.00000.00000.00000.00000.00000.00000.00000

2011 1007 2 0 0 1 -1 -1 731 0.00000.00000.00000.0000
 0.00000.00280.01180.04700.07150.11860.16860.11600.08680.06970.06850.0402
 0.03090.02430.02690.02450.02240.02100.01410.03450.00000.00000.00000.0000
 0.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.0000
 0.00000.00000.00000.00000.00000.00000.00000.00000

2012 1007 2 0 0 1 -1 -1 623 0.00000.00000.00000.0004
 0.00020.00640.01800.04260.07520.11670.15940.14230.10150.05780.05150.0446
 0.04010.01840.02010.02010.01320.02220.01430.03500.00000.00000.00000.0000
 0.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.0000
 0.00000.00000.00000.00000.00000.00000.00000.00000

2013 1007 2 0 0 1 -1 -1 607 0.00000.00000.00000.0000
 0.00070.00180.01560.03540.05240.09350.11900.15270.14590.10450.05630.0503
 0.03950.01970.02100.01560.01350.01110.01360.03790.00000.00000.00000.0000
 0.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.0000
 0.00000.00000.00000.00000.00000.00000.00000.00000

2014 1007 2 0 0 1 -1 -1 1338 0.00000.00000.00000.0000
 0.00100.00320.01210.03870.08870.10040.13890.13230.11330.11260.06080.0484

0.03810.02120.02120.01160.01230.01150.00890.02490.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.0000

2015 1007 2 0 0 1 -1 -1 822 0.00000.00000.00000.0000
0.00050.00470.01150.03340.07860.10920.11240.13190.10220.10890.08590.0655
0.03450.02770.02570.01730.01070.01090.00400.02460.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.0000

2016 1007 2 0 0 1 -1 -1 724 0.00000.00000.00020.0000
0.00020.00350.01690.02740.06950.14220.15050.12190.11490.09430.07420.0615
0.03840.01750.01520.01230.00970.00800.00730.01470.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.0000

Sex-specific data updated 2025

2017 1007 2 3 0 1 -1 -1 549 0.00000.00000.00000.0000
0.00570.01110.01170.04250.05370.09210.17320.13650.09280.06820.04370.0340
0.02310.01300.01000.00210.00210.00210.00120.00120.00000.00000.00000.0000
0.00020.00060.00000.00240.00330.00530.00740.01250.01400.01800.01540.0224
0.01960.00860.01720.00440.00810.00350.00600.0110

2018 1007 2 3 0 1 -1 -1 611 0.00000.00000.00000.0000
0.00630.01440.01810.02230.03790.05780.10930.14720.12090.10920.04850.0282
0.02530.01480.00910.00420.00180.00130.00110.00170.00000.00000.00000.0000
0.00000.00170.00390.00250.00380.00190.00870.01520.01160.02480.02150.0204
0.02530.01720.02610.00920.00840.00580.00360.0090

2019 1007 2 3 0 1 -1 -1 711 0.00000.00000.00000.0002
0.00190.01900.02320.02630.03340.05470.08810.10540.12310.12260.05450.0323
0.03100.01310.01330.00450.00330.00320.00290.00230.00000.00000.00000.0005
0.00000.00070.00050.00230.00310.00920.00880.01630.01740.02260.02400.0190
0.02290.01960.02430.01280.01120.00550.00270.0184

2020 1007 2 3 0 1 -1 -1 628 0.00000.00000.00000.0000
0.00620.01730.05520.06730.05430.05140.08020.06540.08500.13180.06620.0483
0.03130.01420.01530.00640.00360.00550.00180.00330.00000.00000.00000.0000
0.00050.00030.00060.00260.00140.00540.00600.00770.01480.01820.01530.0201
0.01740.01690.01940.01300.00630.00590.00330.0151

2021 1007 2 3 0 1 -1 -1 654 0.00000.00000.00000.0006
0.00330.01530.02920.06920.06770.03750.04980.06320.06090.09490.06490.0563
0.04570.02150.03610.00640.00520.00500.00190.01020.00000.00000.00000.0000
0.00000.00060.00220.00320.00560.00290.00730.00770.00770.03090.01370.0206
0.02800.02200.02510.01060.01120.01140.00980.0344

2022 1007 2 3 0 1 -1 -1 655 0.00000.00000.00000.0005
0.00340.01040.03700.05330.10590.08000.06090.05410.04620.08960.05130.0446
0.05050.02080.03160.00930.00410.00290.00020.00910.00000.00000.00000.0000
0.00000.00000.00230.00310.00510.00570.00570.00830.00780.02100.02090.0255
0.02340.01400.02670.01020.00940.01030.00430.0304

2023 1007 2 3 0 1 -1 -1 905 0.00000.00000.00000.0000
0.00440.02680.04390.05850.08220.11050.09030.05980.03870.05300.02780.0330
0.04510.01730.03330.00690.00350.00410.00230.01130.00000.00000.00000.0000
0.00040.00030.00070.00250.00560.00850.00620.00790.00680.01520.01800.0249
0.03230.01790.03090.01490.00830.01310.00640.0267

2024 1007 2 3 0 1 -1 -1 559 0.00000.00000.00000.0000
0.00380.02770.08110.06970.07310.06480.09650.05210.05030.04730.02870.0281
0.03880.03290.03830.01520.00710.00820.00520.02050.00000.00000.00000.0000
0.00000.00040.00160.00230.00120.00790.01090.00680.01040.01080.01380.0143
0.02210.02120.02290.01270.00710.00270.00590.0356

Terminal year unsexed updated 2025

2025 1007 2 0 0 1 -1 -1 334 0.00000.00000.00000.0005
0.00610.05470.11520.14300.09220.09110.08870.11720.05700.02590.02050.0210
0.02570.02780.04110.01830.01400.00910.00690.02390.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.0000

R4 Commercial fishery sexes-aggregated updated 2025

1992 1007 3 0 0 2 -1 -1 353 0.00000.00000.00000.0000
0.00000.00590.05520.07890.10560.12760.15370.21660.13350.07360.01960.0148
0.00650.00180.00650.00000.00000.00000.00000.00000.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.0000

1993 1007 3 0 0 2 -1 -1 382 0.00000.00000.00000.0000
0.00060.00780.03100.14730.14400.13230.09520.11520.14060.08860.05370.0111

0.04570.05080.04410.02050.01790.01400.01080.05970.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.00000

2008 1007 3 0 0 1 -1 -1 624 0.00000.00000.00000.0000
0.00110.00140.02750.07230.13180.09680.09200.08540.07650.05090.03360.0275
0.03310.03560.04450.04310.03280.01590.01080.08730.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.00000

2009 1007 3 0 0 1 -1 -1 464 0.00000.00000.00000.0000
0.00040.00230.02490.07660.13340.15320.08480.05950.07270.04240.02760.0284
0.02640.03770.04510.04510.03700.01910.01360.06960.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.00000

2010 1007 3 0 0 1 -1 -1 541 0.00000.00000.00000.0005
0.00020.00310.01710.04810.12960.17720.15420.07840.05730.04880.03910.0246
0.01900.01850.02720.02300.02990.02840.01680.05900.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.00000

2011 1007 3 0 0 1 -1 -1 528 0.00000.00000.00000.0000
0.00000.00180.01230.04490.08830.14860.17030.12790.07050.04730.03150.0259
0.02310.01790.02070.02310.02240.02940.03470.05920.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.00000

2012 1007 3 0 0 1 -1 -1 544 0.00000.00000.00000.0000
0.00030.00160.01020.04750.11110.12650.14020.12270.08870.04210.03450.0297
0.02210.01890.02000.02180.02590.02830.02620.08170.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.00000

2013 1007 3 0 0 1 -1 -1 474 0.00000.00000.00000.0000
0.00110.00040.00850.03170.09440.18390.14510.11980.09790.07570.03910.0254
0.02430.01090.01270.00880.01090.01410.01550.08000.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.00000

2014 1007 3 0 0 1 -1 -1 415 0.00000.00000.00000.0000
0.00030.00060.00610.04270.11650.20610.21300.13260.07210.04640.03860.0144

0.01530.01210.00980.00610.00720.00580.00750.04700.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.0000

2015 1007 3 0 0 1 -1 -1 449 0.00000.00000.00000.0000
0.00000.00130.00560.03340.10170.17420.22270.15170.09050.04950.03100.0265
0.01690.01430.00900.00740.00420.00690.00660.04660.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.0000

2016 1007 3 0 0 1 -1 -1 508 0.00000.00000.00000.0000
0.00000.00240.02090.03720.07540.16270.18530.16550.11570.07190.03790.0261
0.01670.01490.00730.00630.00730.00280.00350.04030.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.0000

Sex-specific data updated 2025

2017 1007 3 3 0 1 -1 -1 417 0.00000.00000.00000.0000
0.00090.00530.01890.09900.08340.10560.16920.14340.13600.08030.03200.0128
0.01490.00830.00400.00260.00090.00180.00120.00120.00000.00000.00000.0000
0.00000.00040.00040.00380.00580.00770.00870.01290.00660.00670.00540.0042
0.00290.00250.00210.00130.00210.00000.00050.0045

2018 1007 3 3 0 1 -1 -1 466 0.00000.00000.00000.0000
0.00040.00740.02550.03540.10650.12110.11070.15750.12010.10610.05700.0225
0.01070.00600.00810.00480.00370.00230.00090.00510.00000.00000.00000.0000
0.00000.00000.00090.00140.00500.00700.00230.00790.01230.01100.00930.0049
0.00440.00390.00210.00230.00260.00130.00050.0093

2019 1007 3 3 0 1 -1 -1 474 0.00000.00000.00000.0000
0.00250.03960.09110.06220.06590.10760.11960.07530.10400.07940.05750.0397
0.02190.00560.00970.00250.00150.00150.00100.00100.00000.00000.00000.0000
0.00000.00000.00050.00300.00400.00720.00820.00840.00650.01130.01430.0148
0.00590.00500.00590.00450.00100.00200.00300.0055

2020 1007 3 3 0 1 -1 -1 394 0.00000.00000.00000.0000
0.00380.02370.10310.09340.06510.05260.09330.10220.06140.09000.04350.0374
0.03030.01140.01130.00380.00240.00120.00230.00810.00000.00000.00000.0000
0.00000.00050.00220.00440.00440.00730.01140.00590.00920.01580.01400.0161
0.01380.00450.01000.00260.00490.00770.00300.0218

2021 1007 3 3 0 1 -1 -1 342 0.00000.00000.00000.0000
0.00790.04090.10270.14720.14950.07750.05050.05360.03320.06270.02800.0289
0.03060.01750.02510.00440.00260.00580.00350.00610.00000.00000.00000.0000
0.00000.00090.00230.00550.00490.00230.00090.00810.00530.01280.00670.0149
0.01230.00350.01400.00180.00180.00790.00350.0123

2022 1007 3 3 0 1 -1 -1 378 0.00000.00000.00000.0004
0.01040.02410.07760.11150.17560.09490.04850.03950.03810.06870.03180.0316
0.03380.01650.02340.00600.00450.00500.00000.00990.00000.00000.00000.0000
0.00040.00040.00400.00860.01140.00790.00550.00540.00480.01840.01410.0111
0.01230.00500.01190.00540.00170.00280.00140.0153

2023 1007 3 3 0 1 -1 -1 495 0.00000.00000.00000.0005
0.00190.04030.07100.10050.11060.15550.10780.06070.03120.05060.03610.0246
0.03090.01230.01880.01220.00720.00320.00390.00770.00000.00000.00000.0000
0.00000.00000.00100.00200.00260.00930.00710.00390.00440.00290.00900.0091
0.00810.01210.01220.00740.00340.00100.00340.0136

2024 1007 3 3 0 1 -1 -1 397 0.00000.00000.00000.0000
0.00730.03580.15200.14230.09300.11890.10710.06760.04020.03600.01850.0215
0.01140.00900.01250.00840.00420.00480.00300.01280.00000.00000.00000.0000
0.00000.00060.00240.00230.00120.00240.00480.00420.00360.00180.00420.0049
0.01100.00610.00680.00430.00420.00370.00550.0196

Terminal year unsexed updated 2025

2025 1007 3 0 0 1 -1 -1 335 0.00000.00000.00000.0004
0.01600.06630.21300.16540.17960.09920.05650.05820.02980.01070.01160.0133
0.01420.01330.01650.01330.01110.00620.00130.00400.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.0000

R4B Commercial fishery sexes-aggregated updated 2025

1991 1007 4 0 0 2 -1 -1 168 0.00000.00000.00000.0000
0.00000.00900.06280.04480.10090.15020.10540.11880.11210.05830.05160.0583
0.03360.02690.06730.00000.00000.00000.00000.00000.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.0000

1992 1007 4 0 0 2 -1 -1 234 0.00000.00000.00000.0000
0.00090.00660.02930.12290.06430.10590.13990.10590.10110.08410.03500.0397

0.06520.08780.04530.02200.01980.01770.01490.05950.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.00000

2007 1007 4 0 0 1 -1 -1 314 0.00000.00000.00000.0000
0.00000.00330.01860.04920.06320.09910.09570.09040.05980.05650.04120.0499
0.06520.07510.06910.03460.02130.02060.01530.07180.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.00000

2008 1007 4 0 0 1 -1 -1 228 0.00000.00000.00000.0000
0.00000.00420.01400.03420.08740.08870.12790.10270.08600.08250.06990.0273
0.01960.02660.03770.04960.03350.01330.01260.08250.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.00000

2009 1007 4 0 0 1 -1 -1 286 0.00000.00000.00000.0000
0.00080.00310.02580.04220.06960.07900.07430.09230.07350.06960.05000.0469
0.02970.03520.05320.06490.04690.01950.01330.11020.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.00000

2010 1007 4 0 0 1 -1 -1 402 0.00000.00000.00000.0000
0.00000.00250.01800.04770.07590.09480.09390.06130.08220.06350.05940.0528
0.04620.02470.02560.03380.04460.04200.02280.10810.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.00000

2011 1007 4 0 0 1 -1 -1 229 0.00000.00000.00000.0000
0.00120.00240.01550.04160.10340.09160.10820.09160.06180.07130.05710.0392
0.05230.03920.02380.01190.01310.03210.03450.10820.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.00000

2012 1007 4 0 0 1 -1 -1 279 0.00000.00000.00000.0000
0.00000.00130.01180.03420.08220.12690.10260.08220.07170.05790.06050.0500
0.03290.04010.02830.02240.01510.02370.02890.12750.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.00000

2013 1007 4 0 0 1 -1 -1 349 0.00000.00000.00000.0000
0.00000.00000.00400.02670.06800.12060.14640.12780.08900.07200.03640.0421

0.02910.02270.02100.02100.01700.02020.02180.11410.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.0000

2014 1007 4 0 0 1 -1 -1 350 0.00000.00000.00000.0000
0.00000.00000.00310.01830.05400.08250.14560.13340.11410.08960.06520.0458
0.02850.02650.02240.01730.00810.00810.01320.12420.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.0000

2015 1007 4 0 0 1 -1 -1 450 0.00000.00000.00050.0005
0.00000.00000.00490.02810.09090.12770.12180.12180.10440.07900.04980.0433
0.03680.02870.02710.01620.01950.01240.01140.07520.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.0000

2016 1007 4 0 0 1 -1 -1 367 0.00000.00000.00000.0000
0.00000.00000.00290.01530.05450.13440.18810.14670.08350.10240.05230.0290
0.02540.02400.02470.01670.00870.01670.01230.06250.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.0000

Sex-specific data updated 2025

2017 1007 4 3 0 1 -1 -1 278 0.00000.00000.00000.0000
0.00000.00070.00070.01400.03070.08610.17090.13890.07810.03740.02000.0207
0.01200.00400.00330.00330.00330.00270.00470.02200.00000.00000.00000.0007
0.00000.00000.00000.00070.00330.01270.02470.03870.04410.03540.03810.0294
0.02200.01600.00930.00930.00730.00730.01000.0374

2018 1007 4 3 0 1 -1 -1 398 0.00000.00000.00000.0000
0.00000.00000.00510.00940.03080.05230.10880.13200.10030.07200.04030.0257
0.01890.00940.01200.00510.00260.00430.00430.01290.00000.00000.00000.0000
0.00000.00170.00260.00170.00860.00690.01540.02400.04540.05060.03940.0300
0.02740.01200.01800.01110.00600.01030.00090.0420

2019 1007 4 3 0 1 -1 -1 234 0.00000.00000.00000.0000
0.00000.00440.00780.01330.01780.04670.05120.07340.10340.06900.02450.0434
0.01110.01450.00670.00220.00110.00220.00220.01330.00000.00000.00000.0000
0.00000.00110.00000.00560.01110.00780.01780.03230.05450.06900.06790.0512
0.04560.01780.01220.01220.01000.01780.00890.0489

2020 1007 4 3 0 1 -1 -1 311 0.00000.00000.00000.0000
0.00000.00270.01080.01170.02070.03060.05310.05310.07370.09620.05580.0495
0.02610.02160.01170.00270.00540.00180.00270.01350.00000.00000.00000.0000
0.00000.00000.00090.00090.00990.00450.00990.01800.02250.05760.07640.0612
0.04050.03060.02340.02070.01350.00810.00720.0513

2021 1007 4 3 0 1 -1 -1 307 0.00000.00000.00000.0000
0.00000.00560.01320.02820.02450.01320.02920.04610.04520.08090.06110.0480
0.04140.01790.01510.00380.00940.00560.00560.01510.00000.00000.00000.0000
0.00000.00090.00190.00280.00380.00560.00850.02070.02450.05830.06020.0659
0.05360.04050.03480.02160.01220.01030.00750.0574

2022 1007 4 3 0 1 -1 -1 206 0.00000.00000.00000.0000
0.00180.01100.03120.04780.06620.03860.04780.02210.01470.03490.03310.0496
0.02210.01290.03120.01100.00550.00550.00370.00920.00000.00180.00000.0000
0.00000.00000.00550.00920.01840.01840.02020.02760.02020.02940.04230.0349
0.08270.03680.06070.01290.00550.01100.00920.0533

2023 1007 4 3 0 1 -1 -1 221 0.00000.00000.00000.0000
0.00000.01160.01400.05580.08840.09070.06980.05580.03490.03950.01630.0233
0.03020.01860.02790.01630.00700.00230.00000.00700.00000.00000.00000.0000
0.00000.00000.00470.01160.00930.00700.02090.01860.01630.03020.00930.0256
0.03950.04650.05120.02560.01630.02090.01630.0209

2024 1007 4 3 0 1 -1 -1 299 0.00000.00000.00000.0000
0.00000.00310.03670.04280.02910.03670.05050.03670.02600.02750.02450.0214
0.01830.02290.02450.01380.01070.00920.00760.03360.00000.00000.00150.0000
0.00000.00000.00150.00310.01220.01220.00920.01070.01990.01990.02450.0245
0.03520.03360.05810.03060.02750.03210.03360.1346

Terminal year unsexed updated 2025

2025 1007 4 0 0 1 -1 -1 163 0.00000.00000.00000.0000
0.00650.03920.08500.08820.11110.11440.08500.06860.05230.04580.04580.0163
0.03590.03920.03590.02290.03590.02940.01630.02610.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.00000.0000
0.00000.00000.00000.00000.00000.00000.00000.0000

Sub-legal survey proportions at age by sex (proxy for discards) updated 2025

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 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 -1 461 0 0 0 0.0045 0.0252 0.0381 0.0503 0.0532 0.0548 0.0802 0.0176
0.0084 0.0033 3e-04 0 0.0032 0 0 0 0 0 0 0 0 0 0.0018 0.0116 0.0145 0.0237 0.0538
0.1073 0.2041 0.0822 0.0397 0.0521 0.034 0.0193 0.0114 0.0017 0.0016 0.0024 0 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 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 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 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 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 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 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 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 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 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 0 5e-04 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 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 2e-04 0 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 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 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 0.0437 0.1005 0.0952 0.0924 0.0716 0.0343
0.0106 0.0042 0.0021 0.0014 0 0 0 0 0 0 0 0 0 0 0.0019 0.0061 0.0241 0.0593 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 0.0801 0.1063 0.0919 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 0.0072 0.0177
0.0457 0.0806 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 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 0.0011 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 6e-04 0.0043 0.0115 0.0313
0.0714 0.0777 0.0699 0.0632 0.0424 0.0438 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 0.1442 0.0765 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 0.094 0.0881 0.064 0.0486 0.0355 0.0413 0.0294 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 0.068 0.1194 0.1022 0.0614 0.0434 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 0.0601 0.042 0.0248 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 0.014 0.0308 0.1167 0.0837 0.0403 0.0236 0.026 0.0207
0.0115 0.012 0.006 8e-04 0.0014 0.0013 5e-04 4e-04 0 0 0 0 0 0 0 0.0062 0.0171 0.0494
0.0372 0.0298 0.0368 0.0578 0.0655 0.0651 0.0793 0.0614 0.0396 0.0256 0.016 0.0115
0.0074 0.0021 0.0014 0 4e-04 5e-04

2020 1007 5 3 0 1 -1 -1 620 0 0 0 0.0113 0.0413 0.0417 0.1123 0.0667 0.0306 0.0148 0.0119
0.0141 0.0094 0.0118 0.0051 0.0034 0.0014 3e-04 9e-04 6e-04 0 0 0 0 0 0 0.005 0.022
0.0357 0.073 0.0466 0.0353 0.0331 0.0467 0.0504 0.0649 0.0908 0.0406 0.0313 0.0165
0.0097 0.0072 0.0034 0.0021 9e-04 0.0017 0.0056

2021 1007 5 3 0 1 -1 -1 731 0 0 0 0.0337 0.0694 0.0831 0.0716 0.0885 0.0438 0.0167 0.0089
0.0083 0.0082 0.006 0.002 4e-04 5e-04 0 4e-04 3e-04 3e-04 0 0 0 0 0 0.012 0.0146 0.0462
0.0473 0.0744 0.0487 0.0336 0.0298 0.0407 0.0327 0.0563 0.0473 0.0303 0.0199 0.0082
0.0072 0.0024 0.0013 0.0019 0.001 0.0021

2022 1007 5 3 0 1 -1 -1 537 0 0 0 0.0276 0.0905 0.0817 0.0937 0.0501 0.0469 0.0278 0.0152
0.0107 0.005 0.0083 0.0039 0.0016 0.0012 8e-04 5e-04 9e-04 0 0 0 1e-04 0 0 0 0.0151
0.0307 0.0451 0.057 0.0516 0.0546 0.0307 0.0307 0.0211 0.0167 0.0403 0.0272 0.0343
0.0303 0.0171 0.0188 0.0044 0.0023 0.0014 0.001 0.0034

2023 1007 5 3 0 1 -1 -1 613 0 0 0 0.0092 0.0519 0.0861 0.0648 0.05 0.0407 0.0641 0.0478
0.0162 0.0108 0.0043 0.0024 0.0018 0.0025 5e-04 5e-04 0.0015 0 5e-04 0 0 0 0 0.0041

0.0202 0.033 0.0292 0.0396 0.057 0.0742 0.0686 0.038 0.0208 0.0248 0.0205 0.026 0.0317
0.0251 0.0171 0.0061 0.0017 0.0038 0.001 0.002

2024 1007 5 3 0 1 -1 -1 342 0 0 0 0.0092 0.0594 0.158 0.1351 0.0801 0.033 0.0138 0.0238
0.0103 0.0021 0.002 1e-04 1e-04 3e-04 7e-04 0 0 0 1e-04 0 0 0 0 0 0.0028 0.0186 0.0669
0.0638 0.0446 0.0278 0.0473 0.0598 0.0336 0.0164 0.0113 0.0108 0.0172 0.0092 0.014
0.0108 0.0093 0.0038 0.0019 1e-04 0.0018

2025 1007 5 3 0 1 -1 -1 396 0 0 0 0.0042 0.0251 0.1211 0.1475 0.0953 0.0369 0.012 0.0136
0.0123 0.0078 0.0015 8e-04 3e-04 8e-04 4e-04 0 0 8e-04 0 0 0 0 0 0.0017 0.012
0.0572 0.1014 0.0704 0.0404 0.049 0.046 0.0529 0.0258 0.0094 0.0127 0.0067 0.006
0.0084 0.0107 0.0043 0.0018 0.001 0 0

Non-directed discard proportions at age updated 2025 (lags one year; to include 2024
trawl ages and bycatch lengths)

1992 1007 6 0 0 2 -1 -1 50 0.0101 0.0892 0.2164 0.1901 0.1388 0.0904 0.0605 0.0471
0.0339 0.0283 0.0229 0.0167 0.0113 0.0442 0
0 0 0 0 0 0

1993 1007 6 0 0 2 -1 -1 50 0.0084 0.1074 0.1912 0.1772 0.1493 0.1087 0.0734 0.0526
0.0336 0.0249 0.019 0.0132 0.0086 0.0324 0
0 0 0 0 0 0

1994 1007 6 0 0 2 -1 -1 50 0.0064 0.0517 0.1334 0.1433 0.1394 0.1198 0.0948 0.0773
0.0543 0.043 0.0338 0.0242 0.0161 0.0625 0
0 0 0 0 0 0

1995 1007 6 0 0 2 -1 -1 50 0.0352 0.0673 0.1271 0.1258 0.1287 0.1165 0.0954 0.0787
0.0548 0.0421 0.0327 0.0229 0.0152 0.0577 0
0 0 0 0 0 0

1996 1007 6 0 0 2 -1 -1 50 0.0425 0.0687 0.1219 0.1141 0.1122 0.1039 0.0907 0.0806 0.06
0.0486 0.039 0.0277 0.0187 0.0714 0
0 0

1997 1007 6 0 0 2 -1 -1 50 0.0216 0.1859 0.1719 0.1256 0.0437 0.0416 0.0566 0.0971 0.149
0.0304 0.0118 0.0126 0.0114 0.0407 0
0 0 0

1998 1007 6 0 0 1 -1 -1 50 0.0038 0.11 0.2726 0.0978 0.0817 0.0537 0.0544 0.0787 0.0617
0.0996 0.0433 0.0137 0.0043 0.0248 0
0 0 0

2021 1007 6 0 0 1 -1 -1 50 0.0113 0.178 0.2903 0.1343 0.0658 0.0601 0.0535 0.0463 0.0264
0.009 0.008 0.0183 0.0112 0.0874 0
0

2022 1007 6 0 0 1 -1 -1 50 0.0056 0.0895 0.2927 0.219 0.1303 0.04 0.0383 0.0348 0.025
0.0159 0.005 0.0084 0.007 0.0887 0
0

2023 1007 6 0 0 1 -1 -1 50 0.0047 0.0425 0.208 0.2781 0.1864 0.055 0.0442 0.039 0.028
0.0187 0.0053 0.0085 0.0069 0.0748 0
0 0 0

2024 1007 6 0 0 1 -1 -1 50 0.0048 0.0943 0.0418 0.0878 0.2335 0.2054 0.116 0.05 0.0424
0.0247 0.0218 0.0157 0.0036 0.0582 0
0 0 0

Recreational sex-specific updated 2025 (lags one year)

1994 1007 7 3 0 2 -1 -1 50 0.000 0.000 0.015 0.057
0.125 0.158 0.115 0.093 0.083 0.057 0.030 0.023 0.018 0.007 0.002 0.002
0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.006 0.002
0.017 0.026 0.035 0.025 0.028 0.032 0.018 0.011 0.009 0.002 0.002 0.002
0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000

1995 1007 7 3 0 2 -1 -1 50 0.000 0.001 0.008 0.030
0.047 0.158 0.199 0.111 0.089 0.065 0.057 0.030 0.017 0.014 0.004 0.002
0.002 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.001 0.003
0.006 0.016 0.034 0.016 0.017 0.020 0.015 0.011 0.011 0.006 0.005 0.002
0.001 0.000 0.000 0.000 0.000 0.001 0.000 0.000

1996 1007 7 3 0 2 -1 -1 50 0.000 0.000 0.013 0.027
0.071 0.094 0.200 0.186 0.071 0.052 0.049 0.024 0.017 0.003 0.005 0.003
0.001 0.001 0.001 0.000 0.000 0.000 0.000 0.001 0.000 0.000 0.002 0.002
0.007 0.013 0.031 0.037 0.021 0.016 0.016 0.012 0.007 0.001 0.004 0.002
0.004 0.003 0.002 0.000 0.000 0.000 0.000 0.000

1997 1007 7 3 0 2 -1 -1 50 0.000 0.000 0.003 0.042
0.048 0.105 0.108 0.183 0.164 0.065 0.048 0.027 0.012 0.005 0.001 0.003
0.001 0.001 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.006
0.006 0.017 0.019 0.040 0.032 0.017 0.017 0.008 0.008 0.004 0.002 0.002
0.003 0.001 0.001 0.000 0.000 0.000 0.000 0.000

1998	1007	7	3	0	2	-1	-1	50	0.000	0.000	0.013	0.028
	0.087	0.070	0.132	0.094	0.134	0.087	0.040	0.023	0.013	0.007	0.003	0.003
	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.004
	0.009	0.010	0.027	0.029	0.049	0.045	0.025	0.015	0.019	0.013	0.008	0.004
	0.003	0.000	0.001	0.000	0.000	0.000	0.000	0.000				
1999	1007	7	3	0	2	-1	-1	50	0.000	0.000	0.011	0.061
	0.060	0.102	0.074	0.097	0.076	0.102	0.080	0.035	0.018	0.010	0.006	0.005
	0.002	0.002	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.005
	0.008	0.015	0.015	0.022	0.028	0.055	0.043	0.019	0.016	0.005	0.011	0.004
	0.002	0.005	0.002	0.000	0.000	0.000	0.000	0.000				
2000	1007	7	3	0	2	-1	-1	50	0.000	0.001	0.009	0.062
	0.110	0.079	0.087	0.072	0.071	0.064	0.072	0.056	0.029	0.024	0.007	0.005
	0.003	0.001	0.002	0.001	0.000	0.000	0.000	0.001	0.000	0.000	0.002	0.008
	0.013	0.012	0.017	0.023	0.022	0.026	0.036	0.036	0.014	0.007	0.009	0.005
	0.003	0.004	0.003	0.002	0.001	0.000	0.001	0.001				
2001	1007	7	3	0	2	-1	-1	50	0.000	0.000	0.003	0.049
	0.109	0.127	0.071	0.076	0.063	0.061	0.063	0.053	0.038	0.015	0.010	0.005
	0.006	0.001	0.001	0.002	0.000	0.000	0.001	0.000	0.000	0.000	0.001	0.006
	0.018	0.021	0.022	0.018	0.017	0.020	0.023	0.024	0.025	0.015	0.011	0.007
	0.006	0.003	0.006	0.002	0.001	0.001	0.000	0.000				
2002	1007	7	3	0	1	-1	-1	50	0.000	0.001	0.004	0.051
	0.086	0.142	0.133	0.061	0.053	0.048	0.033	0.035	0.028	0.025	0.011	0.004
	0.003	0.001	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.007
	0.017	0.028	0.041	0.020	0.027	0.017	0.017	0.016	0.030	0.024	0.011	0.008
	0.005	0.003	0.003	0.001	0.000	0.001	0.000	0.000				
2003	1007	7	3	0	1	-1	-1	50	0.000	0.000	0.003	0.016
	0.056	0.132	0.157	0.115	0.085	0.059	0.042	0.029	0.030	0.026	0.016	0.007
	0.002	0.001	0.002	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.004
	0.006	0.019	0.034	0.031	0.019	0.006	0.013	0.014	0.018	0.019	0.012	0.012
	0.004	0.004	0.002	0.002	0.001	0.000	0.001	0.001				
2004	1007	7	3	0	1	-1	-1	50	0.000	0.001	0.006	0.066
	0.069	0.070	0.098	0.100	0.087	0.060	0.041	0.029	0.021	0.015	0.014	0.011
	0.007	0.003	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.012
	0.016	0.016	0.029	0.031	0.029	0.018	0.017	0.020	0.012	0.017	0.024	0.021
	0.014	0.007	0.007	0.002	0.003	0.002	0.001	0.002				

2005	1007	7	3	0	1	-1	-1	50	0.000	0.000	0.003	0.009
									0.047	0.122	0.091	0.089
									0.111	0.088	0.046	0.024
									0.014	0.014	0.008	0.006
									0.004	0.003	0.001	0.001
									0.000	0.000	0.000	0.000
									0.005	0.016	0.016	0.030
									0.030	0.034	0.017	0.015
									0.018	0.018	0.030	0.027
									0.022	0.016	0.006	0.010
									0.006	0.001	0.000	0.001
2006	1007	7	3	0	1	-1	-1	50	0.000	0.000	0.000	0.009
									0.035	0.142	0.154	0.094
									0.080	0.088	0.064	0.043
									0.024	0.010	0.006	0.007
									0.004	0.002	0.003	0.001
									0.000	0.000	0.000	0.001
									0.005	0.019	0.016	0.016
									0.017	0.024	0.023	0.012
									0.011	0.011	0.012	0.013
									0.012	0.011	0.004	0.005
									0.005	0.003	0.003	0.004
2007	1007	7	3	0	1	-1	-1	50	0.001	0.001	0.004	0.027
									0.078	0.215	0.163	0.079
									0.070	0.050	0.025	0.016
									0.009	0.002	0.002	0.002
									0.003	0.001	0.000	0.000
									0.000	0.000	0.000	0.000
									0.013	0.040	0.026	0.019
									0.026	0.025	0.013	0.014
									0.010	0.010	0.008	0.011
									0.006	0.013	0.007	0.002
									0.000	0.001	0.000	0.000
2008	1007	7	3	0	1	-1	-1	50	0.000	0.000	0.001	0.009
									0.031	0.068	0.101	0.181
									0.145	0.077	0.038	0.036
									0.031	0.013	0.003	0.002
									0.003	0.001	0.000	0.000
									0.000	0.000	0.000	0.001
									0.006	0.010	0.024	0.037
									0.043	0.022	0.024	0.019
									0.023	0.009	0.004	0.009
									0.005	0.005	0.008	0.002
									0.000	0.001	0.000	0.003
2009	1007	7	3	0	1	-1	-1	50	0.000	0.000	0.002	0.018
									0.071	0.103	0.107	0.150
									0.157	0.047	0.030	0.020
									0.009	0.005	0.002	0.000
									0.000	0.000	0.000	0.000
									0.000	0.000	0.000	0.003
									0.010	0.017	0.033	0.039
									0.063	0.020	0.019	0.017
									0.011	0.012	0.006	0.007
									0.010	0.002	0.003	0.002
									0.001	0.001	0.000	0.000
2010	1007	7	3	0	1	-1	-1	50	0.000	0.000	0.002	0.024
									0.084	0.133	0.117	0.120
									0.094	0.080	0.042	0.021
									0.011	0.007	0.004	0.000
									0.001	0.001	0.001	0.000
									0.000	0.000	0.001	0.000
									0.010	0.019	0.021	0.038
									0.027	0.051	0.026	0.017
									0.012	0.003	0.009	0.005
									0.003	0.002	0.003	0.001
									0.001	0.001	0.001	0.001
2011	1007	7	3	0	1	-1	-1	50	0.000	0.000	0.001	0.007
									0.052	0.089	0.106	0.090
									0.076	0.083	0.063	0.037
									0.019	0.012	0.005	0.005
									0.001	0.000	0.000	0.000
									0.000	0.000	0.000	0.001
									0.007	0.026	0.034	0.041
									0.032	0.044	0.038	0.022
									0.015	0.023	0.023	0.018
									0.012	0.006	0.003	0.003
									0.005	0.002	0.000	0.002

2012	1007	7	3	0	1	-1	-1	50	0.000	0.000	0.000	0.006
	0.041	0.091	0.108	0.124	0.065	0.078	0.038	0.037	0.025	0.006	0.005	0.005
	0.001	0.002	0.002	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.001	0.001
	0.005	0.022	0.025	0.038	0.030	0.048	0.040	0.056	0.034	0.022	0.018	0.006
	0.006	0.010	0.001	0.003	0.000	0.000	0.001	0.002				
2013	1007	7	3	0	1	-1	-1	50	0.000	0.000	0.000	0.007
	0.020	0.070	0.121	0.125	0.111	0.082	0.034	0.029	0.030	0.025	0.009	0.012
	0.009	0.001	0.000	0.001	0.002	0.000	0.000	0.001	0.000	0.000	0.000	0.002
	0.005	0.013	0.028	0.042	0.036	0.029	0.023	0.026	0.025	0.028	0.016	0.007
	0.012	0.001	0.007	0.001	0.003	0.005	0.000	0.000				
2014	1007	7	3	0	1	-1	-1	50	0.000	0.002	0.012	0.010
	0.046	0.072	0.129	0.156	0.104	0.069	0.027	0.016	0.012	0.008	0.008	0.003
	0.001	0.002	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001
	0.016	0.012	0.032	0.040	0.049	0.053	0.024	0.017	0.025	0.022	0.016	0.005
	0.002	0.003	0.003	0.001	0.000	0.000	0.000	0.000				
2015	1007	7	3	0	1	-1	-1	50	0.000	0.000	0.005	0.029
	0.024	0.076	0.060	0.112	0.114	0.078	0.039	0.012	0.012	0.011	0.008	0.001
	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.006
	0.005	0.017	0.027	0.045	0.087	0.063	0.043	0.032	0.039	0.016	0.021	0.008
	0.002	0.001	0.002	0.000	0.002	0.000	0.000	0.000				
2016	1007	7	3	0	1	-1	-1	50	0.000	0.001	0.005	0.038
	0.036	0.040	0.075	0.069	0.083	0.089	0.051	0.026	0.021	0.007	0.009	0.004
	0.001	0.001	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.010
	0.010	0.010	0.040	0.031	0.057	0.088	0.055	0.034	0.031	0.026	0.021	0.015
	0.005	0.005	0.000	0.001	0.000	0.000	0.000	0.000				
2017	1007	7	3	0	1	-1	-1	50	0.000	0.000	0.003	0.036
	0.113	0.064	0.033	0.061	0.058	0.052	0.075	0.044	0.035	0.020	0.008	0.002
	0.004	0.003	0.002	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.004
	0.021	0.015	0.016	0.019	0.046	0.032	0.074	0.048	0.032	0.033	0.007	0.013
	0.007	0.010	0.006	0.001	0.001	0.002	0.000	0.001				
2018	1007	7	3	0	1	-1	-1	50	0.000	0.001	0.011	0.054
	0.190	0.105	0.048	0.043	0.048	0.056	0.040	0.045	0.022	0.011	0.003	0.001
	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.004
	0.046	0.036	0.028	0.025	0.032	0.036	0.026	0.041	0.014	0.009	0.006	0.002
	0.004	0.000	0.000	0.001	0.000	0.000	0.001	0.000				

0.04100.09840.11890.04100.03690.02050.01230.01640.01230.00000.00410.0000
 0.00000.00000.00000.00000.00000.00000.00000.00000.0000

1995 7 9 3 0 2 -1 -1 871 0.00000.00000.00000.0022
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 0.00710.00710.00550.00000.00000.00000.00000.00000.0000

1996 7 9 3 0 2 -1 -1 1053 0.00000.00000.00000.0062
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 0.01180.01950.04890.06630.03050.02940.03290.02590.02110.01680.01550.0128
 0.00750.00530.00560.00000.00000.00000.00000.00000.0000

1997 7 9 3 0 2 -1 -1 818 0.00000.00000.00000.0011
 0.01160.02840.04980.10940.13000.05620.05210.04820.04660.02340.01930.0138
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 0.00830.00440.00990.00000.00000.00000.00000.00000.0000

1998 7 9 3 0 1 -1 -1 393 0.00000.00000.00000.0035
 0.00840.02000.05110.05840.08950.13100.05920.02730.04710.03060.01550.0145
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1999 7 9 3 0 2 -1 -1 962 0.00000.00000.00000.0053
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 0.00650.00360.00340.00000.00000.00000.00000.00000.0000

2000 7 9 3 0 2 -1 -1 701 0.00000.00000.00000.0072
 0.02050.02430.04500.05950.06450.06100.07850.10960.03170.02920.02140.0171
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 0.01080.00530.01040.00000.00000.00000.00000.00000.0000

2001 7 9 3 0 2 -1 -1 1881 0.00000.00000.00000.0058
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2002 7 9 3 0 1 -1 -1 1227 0.00000.00000.00000.0043
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2003 7 9 3 0 1 -1 -1 868 0.00000.00000.00000.0122
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2004 7 9 3 0 1 -1 -1 1233 0.00000.00000.00000.0212
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2005 7 9 3 0 1 -1 -1 1249 0.00000.00000.00000.0090
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2006 7 9 3 0 1 -1 -1 1055 0.00000.00000.00000.0054
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2007 7 9 3 0 1 -1 -1 1095 0.00000.00000.00000.0032
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2008 7 9 3 0 1 -1 -1 772 0.00000.00000.00000.0010
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0.00470.01950.04010.07240.06170.03750.03960.03810.01950.01080.00710.0065
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2009 7 9 3 0 1 -1 -1 1266 0.00000.00000.00000.0010
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0.00370.00390.00410.00330.00350.00230.00130.00270.00000.00000.00000.0005
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0.00320.00320.00360.00410.00410.00160.00170.0025

2010 7 9 3 0 1 -1 -1 1012 0.00000.00000.00000.0010
0.00820.02540.07930.07640.09580.12720.09660.04110.02580.02440.01550.0067
0.00250.00110.00170.00160.00060.00150.00060.00200.00000.00000.00000.0007
0.00250.00950.03240.04280.06350.07070.05350.02540.01660.01760.00980.0057
0.00280.00240.00210.00120.00210.00170.00150.0005

2011 7 9 3 0 1 -1 -1 1111 0.00000.00000.00000.0005
0.00910.03640.05190.08130.09030.09470.10990.06700.04820.02280.02010.0122
0.00770.00420.00220.00130.00250.00100.00090.00360.00000.00000.00000.0003
0.00270.00700.01720.03870.04310.05790.06630.03330.02170.01130.01000.0082
0.00370.00200.00290.00090.00100.00060.00200.0013

2012 7 9 3 0 1 -1 -1 1183 0.00000.00000.00000.0029
0.01190.03930.07310.06850.08790.08670.08920.08080.05540.02400.01380.0093
0.00630.00330.00240.00030.00110.00100.00290.00240.00000.00000.00000.0006
0.00290.01370.02620.03240.04860.04400.05290.04540.02850.01100.00780.0095
0.00450.00200.00070.00080.00100.00060.00080.0034

2013 7 9 3 0 1 -1 -1 1021 0.00000.00000.00000.0010
0.00380.02150.07500.09030.07260.08200.07400.07550.07090.03650.01760.0148
0.00930.00360.00320.00110.00060.00250.00100.00210.00000.00000.00000.0003
0.00120.00640.02580.03760.03010.04790.04270.04850.03170.02340.01280.0095
0.00880.00420.00230.00140.00120.00140.00150.0021

2014 7 9 3 0 1 -1 -1 904 0.00000.00000.00000.0007
0.00790.01470.05650.13250.10910.06750.07330.05940.05420.03240.01960.0110
0.00720.00680.00310.00130.00110.00090.00070.00310.00000.00000.00000.0007
0.00180.00650.01680.04750.04750.03200.04060.02900.03420.02700.01780.0114
0.00710.00420.00330.00070.00110.00200.00130.0044

2015 7 9 3 0 1 -1 -1 734 0.00000.00000.00000.0013
0.00390.02650.02870.07800.15730.12340.06940.05580.03720.03760.02060.0143
0.00520.00610.00530.00170.00050.00120.00130.00280.00000.00000.00000.0003

0.00220.01240.01270.02700.06610.04320.03010.02640.02250.02630.01840.0102
0.00770.00520.00430.00100.00160.00120.00070.0025

2016 7 9 3 0 1 -1 -1 571 0.00000.00000.00000.0020
0.00330.00770.04310.03530.07810.15560.12180.06060.04490.03830.02810.0183
0.01160.00440.00480.00260.00130.00160.00000.00130.00000.00000.00000.0011
0.00030.00360.01810.01710.03090.07560.04800.02930.02590.02380.01990.0168
0.01120.00420.00260.00210.00260.00100.00000.0011

2017 7 9 3 0 1 -1 -1 693 0.00000.00000.00000.0036
0.00670.00900.01290.04780.05560.08640.15130.12380.05410.05020.02880.0206
0.01610.00870.00610.00250.00300.00160.00060.00320.00000.00000.00000.0005
0.00500.00340.00760.02280.02030.03930.05640.04140.02590.02340.01320.0142
0.01380.00740.00580.00220.00110.00190.00030.0014

2018 7 9 3 0 1 -1 -1 655 0.00000.00000.00000.0026
0.01600.01900.01940.02210.04950.06600.08910.12860.10170.06870.03460.0221
0.01440.01320.01070.00700.00260.00370.00160.00470.00000.00000.00000.0013
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0.00910.01150.00710.00410.00230.00200.00100.0041

2019 7 9 3 0 1 -1 -1 897 0.00000.00000.00000.0043
0.01290.04650.04440.02950.03310.05920.06190.08400.09900.08080.03140.0249
0.01650.01130.01060.00450.00470.00350.00160.00520.00000.00000.00000.0015
0.00750.02380.02110.01640.01930.02880.02370.03340.05060.03270.01800.0137
0.01190.00620.00850.00330.00230.00290.00130.0035

2020 7 9 3 0 1 -1 -1 1000 0.00000.00000.00000.0024
0.01650.02830.07410.06910.04890.03820.06110.05690.06270.09470.04750.0335
0.02620.01400.01760.00510.00400.00690.00430.01010.00000.00000.00000.0009
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0.00800.00480.00860.00390.00250.00240.00240.0058

2021 7 9 3 0 1 -1 -1 1020 0.00000.00000.00000.0080
0.01450.04150.06340.10650.07090.04340.03690.04230.03320.06110.04730.0264
0.02190.01050.01170.00610.00420.00310.00200.00860.00000.00000.00000.0028
0.00590.01640.02400.04030.02710.01600.01760.02350.02210.03580.03360.0206
0.01480.00740.01280.00440.00190.00280.00200.0046

2022 7 9 3 0 1 -1 -1 1378 0.00000.00000.00000.0057
0.03100.02730.06270.07300.09780.06490.05660.03490.03310.03850.02840.0282
0.02220.01340.01090.00510.00320.00310.00220.00690.00000.00000.00000.0033

0.01000.01240.02380.03210.04400.02590.02210.01770.01840.02390.02260.0292
0.02020.01230.01170.00600.00480.00300.00160.0058

2023 7 9 3 0 1 -1 -1 1274 0.00000.00000.00000.0041
0.02890.05580.05980.06390.06390.07460.08330.04220.02840.02770.02570.0241
0.02970.02650.02140.00740.00500.00540.00350.00760.00000.00000.00000.0007
0.00670.01310.01510.01720.02700.03830.03570.01820.01080.02380.01460.0154
0.02220.01650.01600.00520.00310.00280.00170.0071

2024 7 9 3 0 1 -1 -1 601 0.00000.00000.00000.0014
0.02640.05630.08280.07280.05510.05900.07870.06310.04950.01470.02150.0140
0.00900.02400.00970.01260.00890.00690.00430.01150.00000.00000.00000.0014
0.00830.01860.02530.01380.01850.02860.04360.03470.02150.00960.01470.0107
0.00790.02110.01180.00650.00610.00610.00220.0068

2025 7 9 3 0 1 -1 -1 630 0.00000.00000.00000.0019
0.02140.07330.11830.10950.06670.04650.05740.07180.03330.02270.01260.0099
0.01180.01190.01420.00780.00340.00250.00360.00470.00000.00000.00000.0007
0.00590.02940.04170.02730.01490.02660.02320.03270.02020.00730.01060.0102
0.00470.00920.01170.00770.00300.00480.00060.0022

Survey proportions at age for Region 3 by sex updated 2025

1993 7 10 3 0 2 -1 -1 436 0.00000.00000.00000.0000
0.00790.00610.03070.07190.14640.08590.08150.05610.03510.02980.01670.0096
0.00700.00350.00530.00000.00000.00000.00000.00000.00000.00000.00000.0009
0.00440.00880.01580.02540.06130.04650.06750.07100.04560.02190.01670.0131
0.00000.00440.00350.00000.00000.00000.00000.00000.0000

1994 7 10 3 0 2 -1 -1 871 0.00000.00000.00000.0022
0.01240.02990.03610.06850.10240.10680.06450.04880.03440.01970.01200.0081
0.00360.00180.00370.00000.00000.00000.00000.00000.00000.00000.00000.0004
0.00760.01320.01900.04640.07130.06130.05680.05780.04500.02900.01510.0109
0.00220.00550.00320.00000.00000.00000.00000.00000.0000

1995 7 10 3 0 2 -1 -1 729 0.00000.00000.00000.0028
0.00770.02150.05630.06290.08940.10090.11030.05240.03360.01930.01100.0039
0.00110.00060.00000.00000.00000.00000.00000.00000.00000.00000.00000.0006
0.01270.03420.05960.05960.05570.04850.04800.03530.03030.01990.01320.0055
0.00110.00060.00170.00000.00000.00000.00000.00000.0000

1996 7 10 3 0 2 -1 -1 1503 0.00000.00000.00000.0028
0.00610.01410.04240.09320.05390.07450.08700.06700.05180.03530.02730.0204
0.00840.00720.00740.00000.00000.00000.00000.00000.00000.00000.00000.0009
0.00200.00610.02030.04650.03310.04260.05450.04780.03790.03440.02750.0197
0.01300.00860.00670.00000.00000.00000.00000.0000

1997 7 10 3 0 2 -1 -1 907 0.00000.00000.00000.0013
0.00320.01840.02220.05540.11270.07050.07770.07190.05850.02590.02200.0154
0.00560.00560.00280.00000.00000.00000.00000.00000.00000.00000.0006
0.00220.00450.01560.03410.07410.03610.05160.05480.05250.03460.02960.0182
0.01120.00410.00730.00000.00000.00000.00000.0000

1998 7 10 3 0 1 -1 -1 446 0.00000.00000.00000.0000
0.00500.01220.01290.02090.04510.11600.05870.04930.06000.04190.02590.0138
0.01590.01410.00750.00460.00330.00200.00200.00130.00000.00000.00000.0000
0.00190.00130.00380.01210.02560.07290.03790.03410.04370.04270.03630.0384
0.03750.02760.02740.01800.00790.00600.00540.0073

1999 7 10 3 0 2 -1 -1 905 0.00000.00000.00000.0011
0.00390.01120.02090.03470.04060.08640.11300.06330.05640.03960.02610.0130
0.01060.00520.00800.00000.00000.00000.00000.00000.00000.00000.00000.0011
0.00240.00510.01160.02020.03050.06420.09590.04990.04580.03840.03580.0210
0.01650.01340.01400.00000.00000.00000.00000.0000

2000 7 10 3 0 2 -1 -1 788 0.00000.00000.00000.0022
0.00900.00890.01750.03920.04930.06350.09510.11440.04660.03330.02730.0204
0.00880.00460.00730.00000.00000.00000.00000.00000.00000.00000.00000.0010
0.00310.00360.01240.01660.03450.04400.07400.08880.04090.03360.03790.0256
0.01590.00760.01290.00000.00000.00000.00000.0000

2001 7 10 3 0 2 -1 -1 956 0.00000.00000.00000.0031
0.00690.01380.01320.01830.03190.06170.05870.09330.09960.06360.03680.0207
0.01380.00850.00790.00000.00000.00000.00000.00000.00000.00000.00000.0022
0.00440.00760.00540.01080.01820.02690.04890.07340.07640.04670.04480.0336
0.02430.01380.01070.00000.00000.00000.00000.0000

2002 7 10 3 0 1 -1 -1 982 0.00000.00000.00000.0014
0.01010.02600.03710.02400.03240.03840.04940.04610.07440.07540.04300.0264
0.01730.01390.01010.00570.00320.00140.00120.00120.00000.00000.00000.0022
0.00370.01100.01970.01450.01960.01990.02850.03070.04880.07770.04020.0299
0.02760.02940.01680.01300.00980.00830.00310.0072

2003 7 10 3 0 1 -1 -1 1088 0.00000.00000.00000.0027
0.01470.02940.04440.06190.03760.02860.04500.04080.04710.04890.05290.0256
0.01610.01240.00880.00880.00230.00360.00250.00270.00000.00000.00000.0015
0.00430.01390.02990.02680.02230.02040.03060.02780.03570.04700.05060.0384
0.02570.01880.02190.01570.01050.00530.00450.0118

2004 7 10 3 0 1 -1 -1 1155 0.00000.00000.00000.0055
0.01080.02340.04020.06020.05180.03080.03640.02910.03310.03570.03460.0311
0.01680.00890.00620.00590.00350.00160.00060.00110.00000.00000.00000.0022
0.00490.00970.02360.04640.04190.02210.02650.03420.03920.04000.05540.0562
0.03910.02150.02120.01630.01370.00490.00440.0098

2005 7 10 3 0 1 -1 -1 1024 0.00000.00000.00000.0022
0.01160.01950.02650.04070.06280.07040.04180.03830.03830.03470.03620.0318
0.02240.01500.00610.00620.00490.00190.00230.00290.00000.00000.00000.0010
0.00450.01020.01270.02130.03380.03160.02250.02460.02450.02960.03660.0465
0.05010.03790.02770.01920.01970.01200.00680.0109

2006 7 10 3 0 1 -1 -1 1217 0.00000.00000.00000.0010
0.00630.03370.04610.04050.05230.07200.06410.03960.02820.02690.02580.0187
0.02100.01700.00600.00490.00440.00190.00090.00430.00000.00000.00000.0003
0.00320.01140.01550.02160.02820.04370.04380.02320.02510.03540.02840.0298
0.03970.04360.02730.01800.01500.01170.00710.0123

2007 7 10 3 0 1 -1 -1 1463 0.00000.00000.00000.0010
0.00620.02480.05200.05300.04870.06210.06690.05950.03060.01540.01820.0136
0.01210.01020.00750.00290.00160.00080.00130.00170.00000.00000.00000.0006
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0.03160.03200.03710.02480.01460.00870.00790.0112

2008 7 10 3 0 1 -1 -1 1047 0.00000.00000.00000.0003
0.00430.00860.04030.08230.07990.05270.05040.06070.05020.03220.02180.0128
0.01040.00630.00670.00730.00530.00170.00170.00340.00000.00000.00000.0005
0.00190.00450.01420.03580.04030.02850.03400.04580.04030.02620.02140.0213
0.01950.01840.02100.02780.02120.01240.00750.0180

2009 7 10 3 0 1 -1 -1 1123 0.00000.00000.00000.0033
0.00780.01990.04310.07870.12160.07300.05790.04450.03210.01980.01220.0057
0.00640.00340.00440.00410.00280.00120.00020.00230.00000.00000.00000.0009
0.00410.00980.01820.03590.05140.04930.03390.03410.04220.02940.02020.0163
0.01860.01430.01570.01760.01720.00540.00790.0132

2010 7 10 3 0 1 -1 -1 1278 0.00000.00000.00000.0008
0.00590.01740.03460.05550.08740.10820.07330.04060.03440.02420.01530.0076
0.00410.00440.00140.00220.00140.00140.00160.00190.00000.00000.00000.0018
0.00330.00860.02190.03150.04410.05630.04970.03650.03040.03160.03510.0198
0.01830.01390.01360.01430.00970.01340.00880.0136

2011 7 10 3 0 1 -1 -1 1456 0.00000.00000.00000.0006
0.00680.02000.04090.04880.05780.08170.09810.05890.03300.02130.01500.0102
0.00390.00270.00130.00210.00210.00230.00140.00250.00000.00000.00000.0006
0.00390.00900.01920.02680.03680.04890.06490.05310.03540.03840.03500.0260
0.01610.01220.01190.00870.00910.00910.00930.0138

2012 7 10 3 0 1 -1 -1 1139 0.00000.00000.00000.0011
0.00500.02580.03850.05100.07410.07650.10000.07800.04460.01930.01450.0094
0.00680.00320.00080.00260.00100.00080.00080.00160.00000.00000.00000.0009
0.00520.01200.01550.02970.03470.04830.06110.05150.03270.03040.02310.0256
0.01700.01010.01110.00650.00400.00630.00690.0120

2013 7 10 3 0 1 -1 -1 866 0.00000.00000.00000.0003
0.00300.01280.04920.06470.05580.06310.06340.07780.06510.03400.02090.0193
0.00860.00500.00110.00220.00180.00040.00300.00290.00000.00000.00000.0004
0.00140.00590.01700.02880.03350.03900.04810.06000.05530.03140.02860.0237
0.02400.01290.00540.00750.00360.00560.00390.0097

2014 7 10 3 0 1 -1 -1 1678 0.00000.00000.00000.0002
0.00400.01170.03650.08920.09470.07430.07230.05650.04960.03840.01260.0094
0.00550.00430.00110.00110.00030.00060.00030.00080.00000.00000.00000.0003
0.00300.00660.01410.04040.04670.04770.04380.03880.04470.04370.02610.0185
0.01820.00890.00980.00770.00320.00270.00250.0092

2015 7 10 3 0 1 -1 -1 1396 0.00000.00000.00000.0007
0.00230.01420.02510.05960.10330.09050.07380.05970.03970.03330.01860.0100
0.00470.00200.00170.00080.00030.00050.00070.00170.00000.00000.00000.0005
0.00080.00720.01090.02630.05640.05590.04690.04370.04050.05410.03960.0216
0.01170.01260.01030.00570.00300.00220.00050.0064

2016 7 10 3 0 1 -1 -1 1335 0.00000.00000.00000.0025
0.00550.00480.02000.02820.05490.09620.09850.06000.04800.04370.02510.0214
0.00920.00420.00190.00170.00020.00100.00030.00090.00000.00000.00000.0007
0.00160.00310.01580.01870.03880.07350.06900.04740.03540.03970.03340.0323
0.02160.01030.00960.00670.00340.00310.00140.0064

2017 7 10 3 0 1 -1 -1 888 0.00000.00000.00000.0045
0.00810.00970.00840.03670.04100.06880.11670.08400.05310.03800.02020.0195
0.01420.00520.00260.00260.00090.00090.00000.00090.00000.00000.00000.0011
0.00330.00380.00670.02380.02900.04420.07400.05530.04440.04070.03050.0273
0.03040.01880.01090.00690.00710.00200.00090.0031

2018 7 10 3 0 1 -1 -1 987 0.00000.00000.00000.0041
0.01880.02510.01800.01730.03460.04200.08170.09280.06600.04980.02020.0167
0.00730.00660.00360.00200.00040.00000.00040.00040.00000.00000.00000.0020
0.00710.01130.01020.01620.03400.03730.05470.07600.05220.04580.03220.0287
0.02900.01860.01420.00690.00470.00650.00180.0027

2019 7 10 3 0 1 -1 -1 731 0.00000.00000.00000.0070
0.01040.04910.04780.03440.02790.04040.05280.05870.08440.04770.03100.0158
0.01080.00620.00420.00090.00090.00150.00000.00050.00000.00000.00000.0030
0.00410.02090.01610.01690.01570.02860.03650.04930.06390.06240.03570.0253
0.02460.01950.02150.00590.00510.00410.00550.0034

2020 7 10 3 0 1 -1 -1 1078 0.00000.00000.00000.0042
0.01470.02150.07620.05860.04400.03370.05170.05720.06140.08430.04180.0291
0.01710.01060.00780.00410.00310.00150.00110.00130.00000.00000.00000.0018
0.00640.01040.02180.01700.01440.01680.02330.02680.04160.05020.03110.0289
0.01660.01440.01750.00750.00710.00400.00470.0125

2021 7 10 3 0 1 -1 -1 1049 0.00000.00000.00000.0076
0.01120.03520.04580.09630.06620.04200.03660.04310.03840.05240.04540.0310
0.02560.01040.01340.00490.00330.00220.00050.00230.00000.00000.00000.0048
0.00390.00830.01260.02420.01690.01370.01460.02230.02180.04670.03910.0340
0.02830.01820.02580.01160.00890.00800.00660.0160

2022 7 10 3 0 1 -1 -1 862 0.00000.00000.00000.0049
0.01880.02340.06290.06680.10100.06520.04280.03260.03190.04430.03860.0350
0.01990.01210.01280.00330.00410.00160.00070.00510.00000.00000.00000.0021
0.00370.00600.01320.01720.02030.01330.01600.01740.01630.02780.02830.0415
0.03830.02360.02970.01510.00750.00810.01010.0168

2023 7 10 3 0 1 -1 -1 943 0.00000.00000.00000.0031
0.01710.03580.04460.04360.06080.08890.08810.04700.02600.02160.01970.0171
0.02860.02010.01300.00780.00440.00250.00160.00490.00000.00000.00000.0017
0.00710.01090.01050.01340.02220.02590.03020.02010.01500.01580.02720.0291
0.04320.03630.03230.01860.01230.01080.00720.0140

2024 7 10 3 0 1 -1 -1 594 0.00000.00000.00000.0050
0.02710.06700.11210.08670.05830.05880.07790.05740.01740.00990.00880.0108
0.00760.01190.01150.00710.00310.00060.00000.00140.00000.00000.00000.0014
0.00870.02210.02380.01590.01500.02420.03570.02080.01420.01280.00880.0163
0.01900.03180.02680.01930.00940.00880.00800.0169

2025 7 10 3 0 1 -1 -1 569 0.00000.00000.00000.0019
0.00870.06860.10230.09520.05850.04880.05860.08100.04700.02460.01330.0090
0.01120.00780.01990.00920.00280.00360.00210.00260.00000.00000.00000.0011
0.00480.02060.03730.02210.01450.01680.02670.03840.01630.00680.01150.0092
0.01630.01740.02290.01650.01160.00570.00360.0028

Survey proportions at age for Region 4 by sex updated 2025

1997 7 11 3 0 2 -1 -1 175 0.00000.00000.00000.0003
0.00150.00190.01780.06100.22980.06700.04120.03240.02010.01880.01850.0220
0.02200.01260.01650.00000.00000.00000.00000.00000.00000.00000.00000.0003
0.00060.00410.01220.04450.12150.03710.02900.02250.02140.01800.02500.0268
0.02170.01260.01930.00000.00000.00000.00000.0000

1998 7 11 3 0 1 -1 -1 152 0.00000.00000.00000.0000
0.00140.00410.01080.02300.03380.18780.08510.04320.03650.01760.01080.0122
0.01220.01080.02160.00270.00270.00000.00270.00680.00000.00000.00000.0000
0.00000.00000.00410.00680.04190.11220.04590.02570.02840.02840.02430.0162
0.02030.02970.03380.01350.01080.00270.00680.0230

1999 7 11 3 0 2 -1 -1 252 0.00000.00000.00000.0026
0.00130.01110.01690.03190.05400.08650.13730.04160.03510.02410.01500.0124
0.01110.01170.02080.00000.00000.00000.00000.00000.00000.00000.00000.0007
0.00000.00200.00780.02540.05200.09040.14700.03580.02470.03450.01890.0137
0.00980.00910.01500.00000.00000.00000.00000.0000

2000 7 11 3 0 2 -1 -1 729 0.00000.00000.00000.0014
0.00280.00600.01590.01980.03150.05540.10050.12310.05820.03110.02540.0171
0.02170.01590.05000.00000.00000.00000.00000.00000.00000.00000.00000.0008
0.00300.00550.01040.01660.02710.04560.07350.06790.03380.03400.02140.0211
0.01880.01520.02940.00000.00000.00000.00000.0000

2001 7 11 3 0 2 -1 -1 663 0.00000.00000.00000.0000
0.00190.00890.01370.01450.01570.02260.04540.08390.11530.06380.03940.0183
0.01760.01300.02310.00000.00000.00000.00000.00000.00000.00000.00000.0000

0.00200.00720.00890.01420.01840.03210.06310.08840.09030.05390.03890.0299
0.01880.01580.02080.00000.00000.00000.00000.0000

2002 7 11 3 0 1 -1 -1 586 0.00000.00000.00000.0016
0.00580.02880.03550.01690.02060.02190.02520.03330.05500.09350.05280.0274
0.01600.01620.01360.01040.01590.01420.01080.01980.00000.00000.00000.0013
0.00610.01770.03050.01100.02050.02110.02620.03070.04060.07130.03470.0175
0.01770.01630.01260.01190.01570.01950.01610.0256

2003 7 11 3 0 1 -1 -1 661 0.00000.00000.00000.0007
0.00350.01190.03310.04300.02810.02320.02300.02840.04990.07290.07150.0619
0.02360.01710.01420.01370.00860.00900.00660.01650.00000.00000.00000.0007
0.00240.00880.02390.02620.01620.01530.01930.01770.02850.04870.05290.0351
0.01560.01770.01770.01230.01860.01320.01760.0310

2004 7 11 3 0 1 -1 -1 792 0.00000.00000.00000.0035
0.01110.01420.02500.05730.04440.02550.02720.02050.02860.04900.04430.0366
0.02510.01430.01160.00790.00490.00700.00650.01940.00000.00000.00000.0020
0.01090.01030.02240.04700.04520.01780.02000.02240.02910.03640.04450.0491
0.02350.01970.01760.01500.01520.01440.01800.0359

2005 7 11 3 0 1 -1 -1 765 0.00000.00000.00000.0024
0.01090.02210.02120.03440.05970.05550.03490.02430.02330.02370.03820.0371
0.02920.01120.01200.01000.00710.00210.00530.01630.00000.00000.00000.0007
0.00460.01460.01070.02830.05020.06010.03590.02720.02000.02500.02410.0391
0.04340.03600.01600.01370.00930.00710.01000.0432

2006 7 11 3 0 1 -1 -1 847 0.00000.00000.00000.0059
0.03230.06220.07610.04250.04670.05490.04580.01980.01350.01280.01750.0225
0.01910.01740.01000.00530.00260.00350.00320.01240.00000.00000.00000.0021
0.01380.03000.04120.02820.03700.05370.04140.01850.02210.01330.02190.0263
0.02400.02880.01140.01260.00770.00570.00500.0292

2007 7 11 3 0 1 -1 -1 832 0.00000.00000.00000.0041
0.01210.06430.09720.08400.04500.03640.04280.03780.02110.01770.01630.0142
0.01330.01230.01020.00640.00500.00220.00170.01690.00000.00000.00000.0022
0.00810.03080.03200.04870.03620.04260.04270.03240.01040.01230.01000.0190
0.01300.01940.01950.01170.00690.00520.00570.0303

2008 7 11 3 0 1 -1 -1 1258 0.00000.00000.00000.0007
0.01070.03080.07970.08870.08870.05660.04110.03560.02590.01530.01200.0124
0.01070.01170.01010.00830.00730.00350.00250.01380.00000.00000.00000.0002

0.00680.01640.03870.04700.05360.03780.02880.03080.02070.01250.01330.0101
0.00890.01190.01880.01710.01470.00850.00630.0311

2009 7 11 3 0 1 -1 -1 1230 0.00000.00000.00000.0024
0.01220.04160.06450.09030.09030.07390.03510.02250.02440.01590.00970.0127
0.00750.00750.00980.00910.00640.00240.00320.01440.00000.00000.00000.0010
0.00860.03160.03690.04480.05350.04530.02270.02450.02030.01640.01260.0107
0.01100.01430.01600.01690.01550.00980.00670.0253

2010 7 11 3 0 1 -1 -1 937 0.00000.00000.00000.0017
0.00790.02570.07290.07410.10050.09640.07470.02450.02270.02290.02050.0072
0.00500.00740.00610.00750.00580.00660.00550.01660.00000.00000.00000.0000
0.00370.01540.03710.03570.04950.04600.04160.01580.01640.01330.01130.0089
0.00750.00560.00620.00930.01290.01020.00970.0316

2011 7 11 3 0 1 -1 -1 1011 0.00000.00000.00000.0009
0.00610.01610.05050.10020.11180.09300.07200.04870.02290.01320.01100.0070
0.00610.00390.00300.00340.00270.00430.00300.01070.00000.00000.00000.0009
0.00410.01050.02810.06190.04590.05150.04310.03570.01830.01290.01390.0112
0.00670.00560.00580.00480.00980.00650.00870.0237

2012 7 11 3 0 1 -1 -1 828 0.00000.00000.00000.0000
0.00670.03100.05710.08590.12600.08660.07530.05160.02870.01320.01190.0076
0.00410.00470.00510.00410.00400.00240.00490.01090.00000.00000.00000.0000
0.00660.01040.02640.04550.05930.04000.03600.03230.02250.01210.01150.0102
0.00550.00550.00470.00740.00740.00680.00510.0228

2013 7 11 3 0 1 -1 -1 673 0.00000.00000.00000.0010
0.00350.01090.04920.07830.11330.12890.07430.06350.03550.02570.01670.0107
0.00840.00580.00700.00210.00450.00250.00470.01420.00000.00000.00000.0010
0.00100.00230.01240.02830.05050.05870.03740.03210.02110.01900.00970.0079
0.00500.00640.00410.00530.00580.00470.00470.0218

2014 7 11 3 0 1 -1 -1 940 0.00000.00000.00000.0005
0.00460.01100.03110.08040.10670.13740.10960.06660.04300.02780.01900.0092
0.00930.00280.00460.00170.00220.00170.00140.01280.00000.00000.00000.0002
0.00190.00490.01620.03030.03870.04330.04760.02470.01840.01820.01300.0087
0.00560.00540.00510.00420.00090.00250.00300.0239

2015 7 11 3 0 1 -1 -1 1014 0.00000.00000.00000.0011
0.00630.02670.03390.07150.12330.11920.11590.06270.02960.01650.01110.0078
0.00380.00410.00220.00300.00140.00220.00170.01070.00000.00000.00000.0000

0.00290.01190.01500.03200.03910.05340.04980.03470.01740.01790.01210.0076
 0.00970.00380.00490.00240.00160.00380.00540.0197

2016 7 11 3 0 1 -1 -1 855 0.00000.00000.00000.0030
 0.00530.01040.03650.04690.06140.11320.12040.08860.06270.04430.02290.0104
 0.00880.00380.00250.00570.00070.00170.00250.01600.00000.00000.00000.0012
 0.00200.00510.02510.02130.03710.04930.05150.02970.02820.01780.00910.0086
 0.00360.00390.00420.00330.00310.00170.00260.0239

2017 7 11 3 0 1 -1 -1 823 0.00000.00000.00000.0047
 0.01160.01160.02490.07440.07580.08340.10710.09440.07440.04600.01970.0108
 0.00800.00420.00540.00120.00220.00140.00210.01260.00000.00000.00000.0007
 0.00300.00390.01190.03570.03130.03900.04530.04000.03190.02050.01130.0084
 0.00660.00390.00340.00380.00160.00140.00140.0191

2018 7 11 3 0 1 -1 -1 906 0.00000.00000.00000.0030
 0.03950.04160.02900.03120.05870.06340.07290.08060.07930.07770.03100.0175
 0.01560.00670.00300.00320.00340.00200.00110.00990.00000.00000.00000.0005
 0.01220.01240.01050.01650.03720.02830.04000.03550.02890.03100.01970.0125
 0.00810.00550.00600.00370.00180.00300.00170.0148

2019 7 11 3 0 1 -1 -1 751 0.00000.00000.00000.0060
 0.02050.08670.06590.04080.04200.05270.05550.05530.05230.03860.02650.0206
 0.01350.00470.00450.00140.00290.00160.00060.00520.00000.00000.00000.0039
 0.01220.02830.01780.01240.02610.03380.04230.03920.04570.03530.02820.0237
 0.01360.00800.00710.00240.00200.00200.00270.0153

2021 7 11 3 0 1 -1 -1 275 0.00000.00000.00000.0194
 0.05050.04820.06800.14770.06770.03480.03640.04780.03640.02750.02070.0312
 0.01250.01750.00730.00540.00320.00230.00030.00840.00000.00000.00000.0019
 0.00690.02340.01730.02500.01590.01150.01280.02570.01670.02800.02720.0217
 0.01570.00380.00660.00580.00280.00130.00450.0326

2022 7 11 3 0 1 -1 -1 459 0.00000.00000.00000.0213
 0.06490.06740.07680.05000.07320.05050.03170.02530.01140.03870.01580.0173
 0.02620.02420.01340.00790.00300.00500.00440.02020.00000.00000.00000.0109
 0.02230.02970.03070.02070.01880.01580.01380.00840.00640.02630.01390.0222
 0.02220.01980.02570.00890.00540.00490.00290.0217

2024 7 11 3 0 1 -1 -1 184 0.00000.00000.00000.0019
 0.03110.15730.12430.09320.06020.04270.03300.01360.01940.01550.01550.0272
 0.00970.01550.01360.00580.00390.00390.00390.00780.00000.00000.00000.0000

0.00580.05440.02910.03690.01550.00780.00000.00970.00390.00580.00970.0272
0.01550.01170.00780.01170.01550.00970.00390.0194

2025 7 11 3 0 1 -1 -1 239 0.00000.00000.00000.0012
0.01600.09110.15640.15890.03450.03080.01720.02590.00860.00620.00250.0037
0.00740.00250.00620.00120.00490.00370.00490.00120.00000.00000.00000.0000
0.00490.02460.07880.06400.03450.05540.03200.02460.01600.00990.00740.0074
0.00490.00490.01110.01230.00490.00490.00370.0086

Survey proportions at age for Region 4B by sex updated 2025

1997 7 12 3 0 2 -1 -1 376 0.00000.00000.00000.0055
0.00090.00870.01600.03560.07660.05240.02140.02280.02690.01600.02010.0269
0.01280.02190.02230.00000.00000.00000.00000.00000.00000.00000.00000.0032
0.00230.01050.02280.05240.12940.06880.04010.03050.04280.02730.02730.0419
0.02460.02960.05970.00000.00000.00000.00000.0000

1998 7 12 3 0 1 -1 -1 201 0.00000.00000.00000.0062
0.01640.00620.01030.02050.02260.05340.03490.02870.02260.02670.01640.0226
0.02460.01850.00820.01230.01030.00000.00410.01850.00000.00000.00000.0021
0.01030.00820.00820.03290.04520.06160.10470.03700.02260.04310.01850.0390
0.04110.03290.02050.02260.00820.01440.01640.0267

1999 7 12 3 0 2 -1 -1 460 0.00000.00000.00000.0012
0.01320.02590.01380.02290.03490.05470.08480.04690.02220.01320.01920.0186
0.01200.01200.02530.00000.00000.00000.00000.00000.00000.00000.0006
0.00720.01800.01320.02590.04090.08960.12690.06550.03370.03130.03550.0277
0.01500.02100.02710.00000.00000.00000.00000.0000

2000 7 12 3 0 2 -1 -1 412 0.00000.00000.00000.0014
0.00620.01870.03450.01340.01820.03060.04260.06800.03210.01390.01290.0168
0.00910.00960.03830.00000.00000.00000.00000.00000.00000.00000.0010
0.00570.02200.03490.02250.03260.05070.08860.11300.03930.02970.04690.0263
0.03350.02920.05790.00000.00000.00000.00000.0000

2001 7 12 3 0 2 -1 -1 524 0.00000.00000.00000.0032
0.00770.01940.02770.05160.03290.01550.02390.03230.05030.03030.01740.0206
0.01680.00900.02260.00000.00000.00000.00000.00000.00000.00000.0019
0.00650.00840.02770.04060.04060.02450.04770.07480.10000.06650.04970.0342
0.03610.02520.03420.00000.00000.00000.00000.0000

2002 7 12 3 0 1 -1 -1 400 0.00000.00000.00000.0009
0.01160.01960.02500.03840.03120.01690.01870.01690.03750.04100.01780.0134
0.00540.01430.00800.00800.01870.00800.00710.02500.00000.00000.00000.0036
0.01070.01780.01610.03840.03210.03030.03390.04730.05000.06330.03570.0232
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