

2025 Data Update¹

Northeast Skate Complex

Prepared by the Population Dynamics Branch of the Northeast Fisheries Science Center

July 29, 2025

¹All data were queried on the date of the report.

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Catch

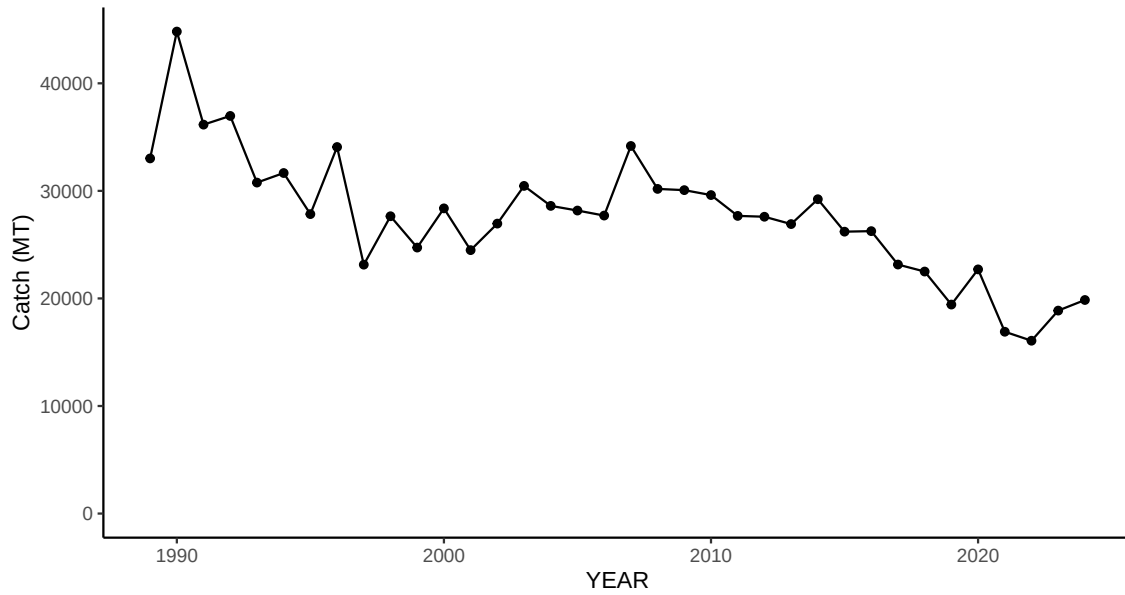


Figure 1: Total catch in metric tons (MT) of Skate Complex from calendar year 1989 through 2024. Landings begin in 1989 and discards begin in 1989.

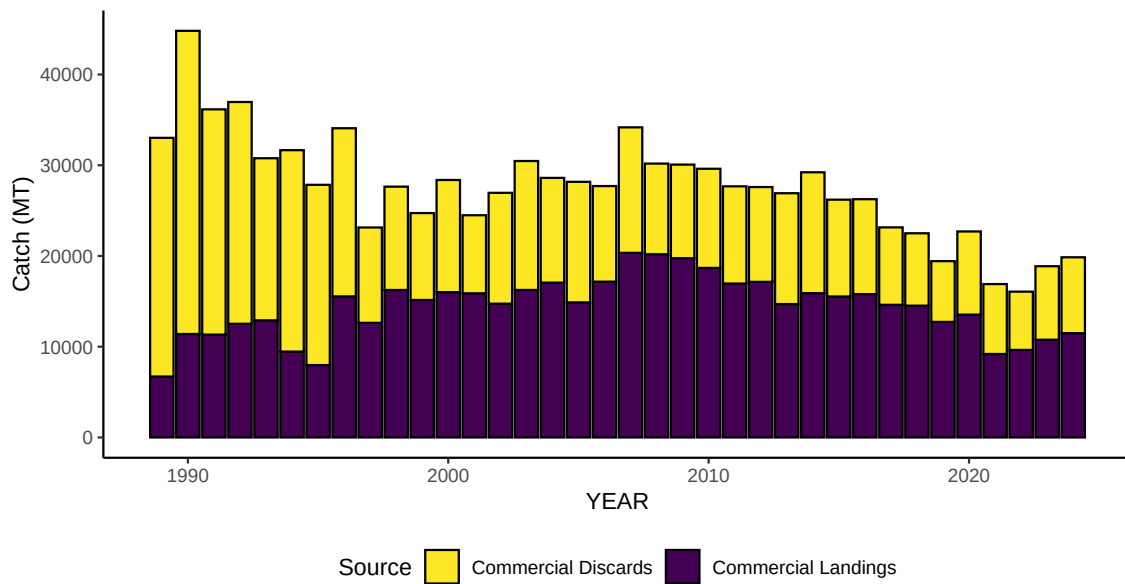


Figure 2: Landings (MT) and discards (MT) of Skate Complex from calendar year 1989 through 2024. Landings begin in 1989 and discards begin in 1989.

Table 1: Landings, discards, and total catch of Skate Complex, in metric tons (MT), from calendar year 1989 through 2024.

Year	Landings (MT)	Discards (MT)	Total Catch (MT)
1989	6,710	26,308	33,018
1990	11,403	33,409	44,812
1991	11,332	24,826	36,158
1992	12,525	24,443	36,968
1993	12,904	17,867	30,771
1994	9,462	22,198	31,660
1995	7,978	19,862	27,840
1996	15,543	18,534	34,077
1997	12,630	10,509	23,139
1998	16,250	11,391	27,641
1999	15,150	9,579	24,729
2000	16,012	12,362	28,374
2001	15,888	8,602	24,490
2002	14,740	12,217	26,957
2003	16,254	14,208	30,462
2004	17,063	11,541	28,604
2005	14,885	13,286	28,171
2006	17,168	10,536	27,704
2007	20,342	13,833	34,175
2008	20,191	9,992	30,183
2009	19,751	10,318	30,069
2010	18,683	10,927	29,610
2011	16,963	10,711	27,674
2012	17,144	10,451	27,595
2013	14,698	12,216	26,914
2014	15,904	13,319	29,223
2015	15,532	10,675	26,207
2016	15,798	10,459	26,257
2017	14,617	8,534	23,151

Year	Landings (MT)	Discards (MT)	Total Catch (MT)
2018	14,524	7,976	22,500
2019	12,731	6,699	19,430
2020	13,536	9,165	22,701
2021	9,197	7,706	16,903
2022	9,645	6,424	16,069
2023	10,765	8,105	18,870
2024	11,493	8,361	19,854

Survey

Barndoor Skate

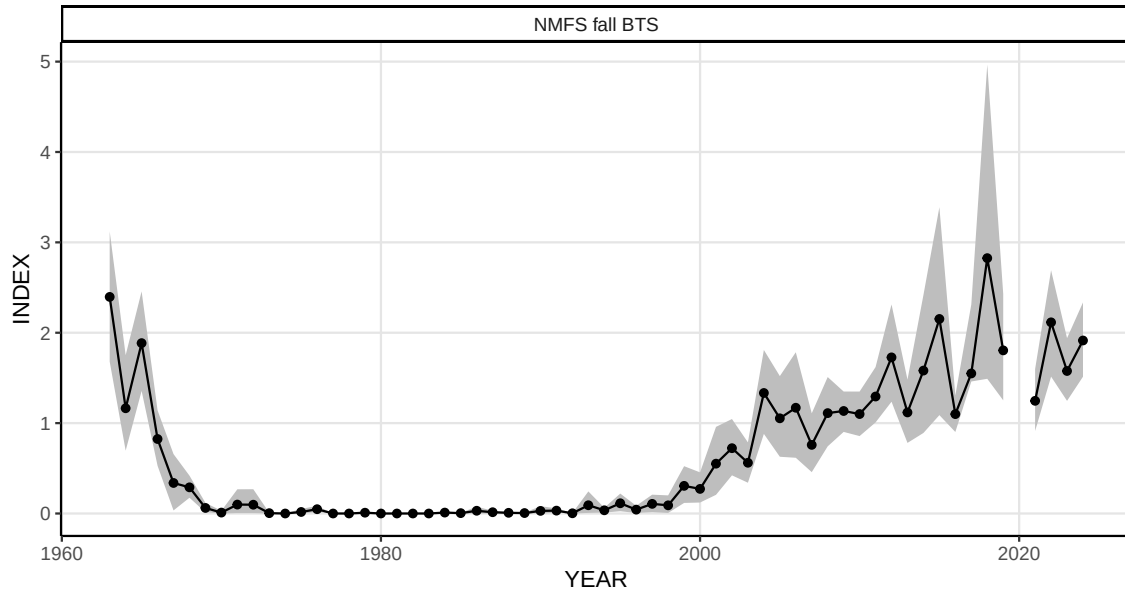


Figure 3: Bottom Trawl Survey Index of Barndoor Skate from 1963 through 2024. Units in Biomass (kg/tow). Gray-shaded area represents the 90% confidence interval. Survey was incomplete in Fall 2020.

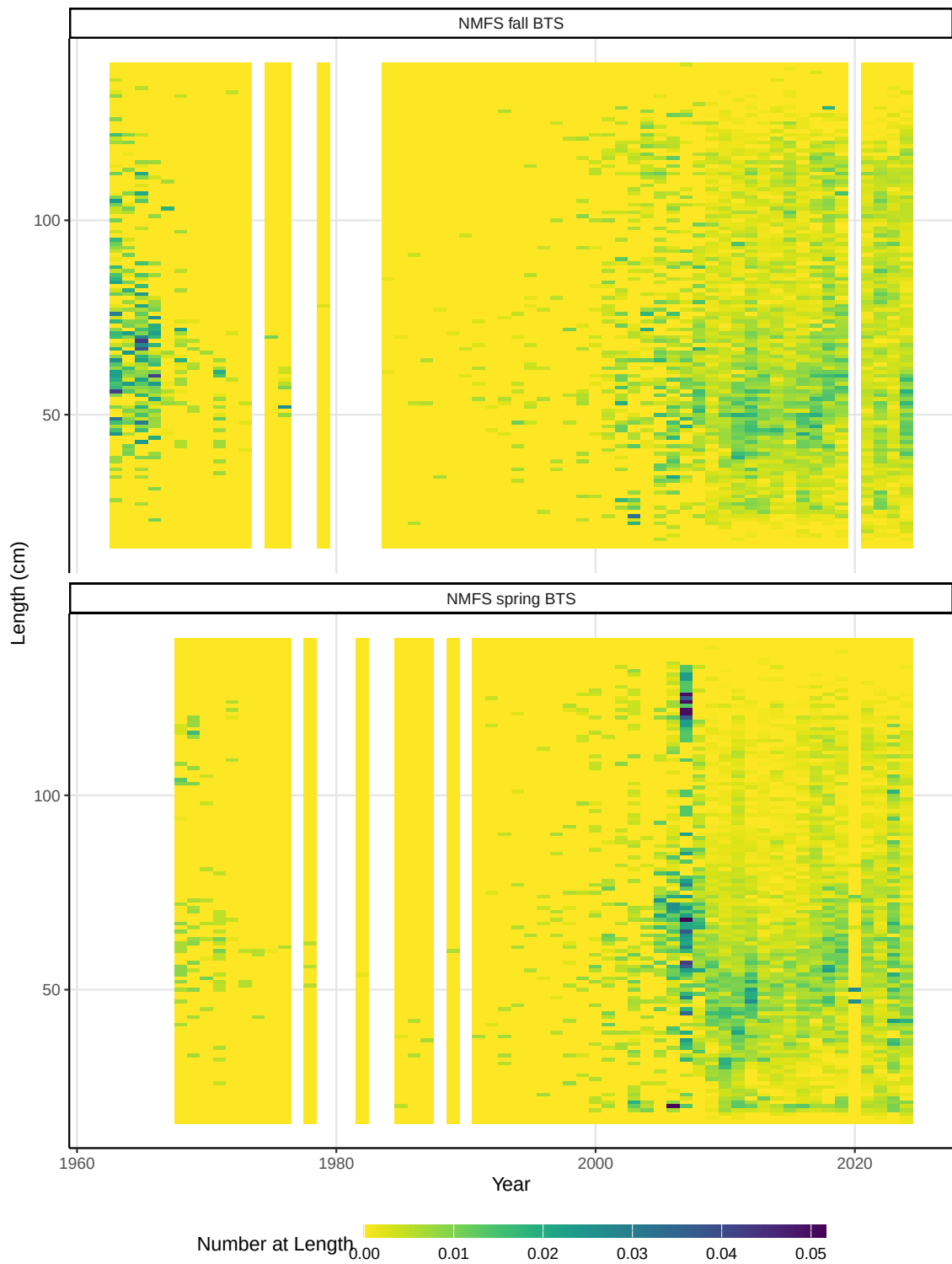


Figure 4: Stratified Mean Indices at Length for the Bottom Trawl Survey of Barndoor Skate from 1963 through 2024. Survey was incomplete in Fall 2020, Spring 2020, and Spring 2023.

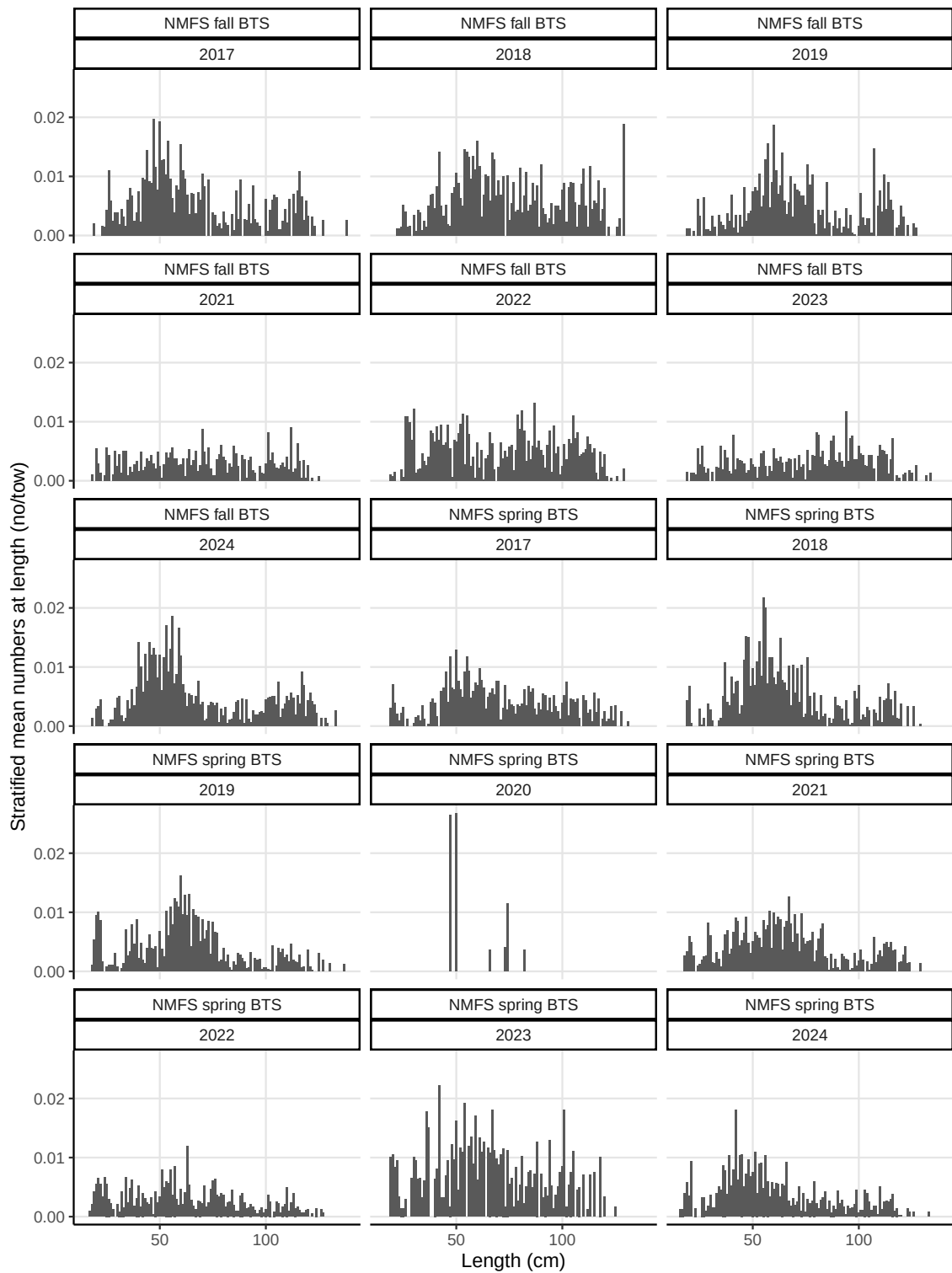


Figure 5: Stratified Mean Indices at Length for the Bottom Trawl Survey of Barndoor Skate from 2017 through 2024. Survey was incomplete in Fall 2020, Spring 2020, and Spring 2023.

Table 2: Bottom Trawl Survey Index of Barndoor Skate from 1963 through 2024. Units in Biomass (kg/tow). Survey was incomplete in Fall 2020.

YEAR	FALL INDEX	FALL CV
1963	2.40	0.184
1964	1.16	0.282
1965	1.89	0.175
1966	0.82	0.235
1967	0.34	0.572
1968	0.29	0.250
1969	0.06	0.513
1970	0.01	0.952
1971	0.10	0.836
1972	0.10	0.837
1973	0.00	0.636
1974	0.00	
1975	0.02	0.958
1976	0.05	0.447
1977	0.00	
1978	0.00	
1979	0.01	0.974
1980	0.00	
1981	0.00	
1982	0.00	
1983	0.00	
1984	0.01	0.654
1985	0.00	0.893
1986	0.03	0.712
1987	0.01	0.645
1988	0.01	0.737
1989	0.00	0.801
1990	0.03	0.903
1991	0.03	0.436
1992	0.00	0.900

YEAR	FALL INDEX	FALL CV
1993	0.09	0.800
1994	0.04	0.473
1995	0.11	0.514
1996	0.04	0.624
1997	0.11	0.540
1998	0.09	0.671
1999	0.31	0.401
2000	0.27	0.377
2001	0.55	0.420
2002	0.72	0.272
2003	0.56	0.249
2004	1.33	0.215
2005	1.05	0.258
2006	1.17	0.316
2007	0.76	0.258
2008	1.11	0.211
2009	1.13	0.119
2010	1.10	0.137
2011	1.29	0.146
2012	1.73	0.184
2013	1.12	0.190
2014	1.58	0.300
2015	2.15	0.329
2016	1.10	0.114
2017	1.55	0.138
2018	2.83	0.374
2019	1.80	0.200
2020		
2021	1.25	0.168
2022	2.12	0.170
2023	1.58	0.134
2024	1.91	0.128

Clearnose Skate

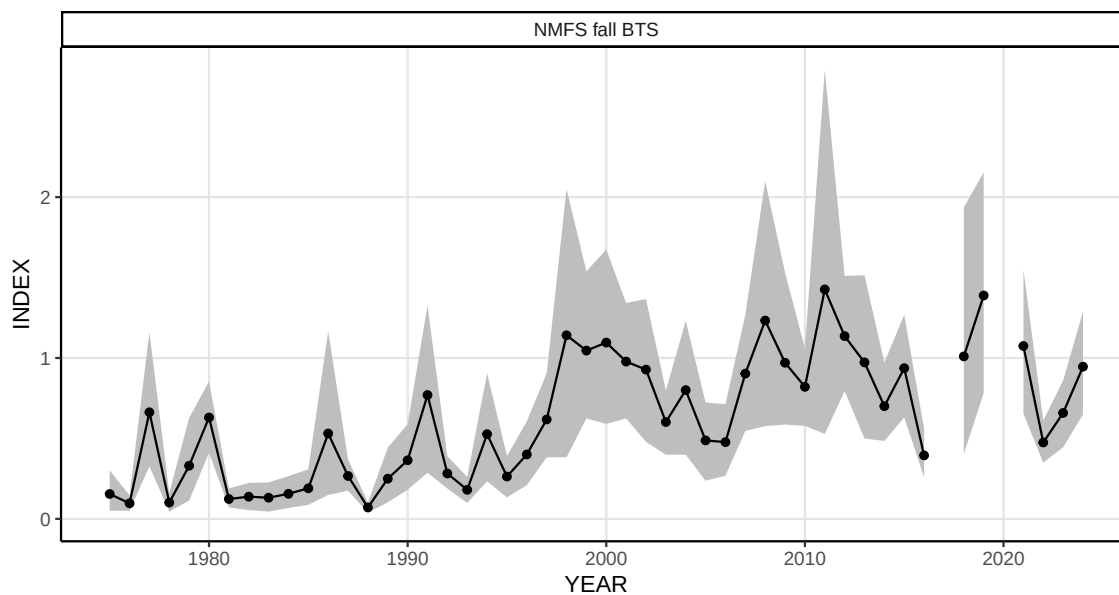


Figure 6: Bottom Trawl Survey Index of Clearnose Skate from 1975 through 2024. Units in Biomass (kg/tow). Gray-shaded area represents the 90% confidence interval. Survey was incomplete in Fall 2017 and only strata from the Gulf of Maine and Georges Bank were completed. Survey was incomplete in Fall 2020.

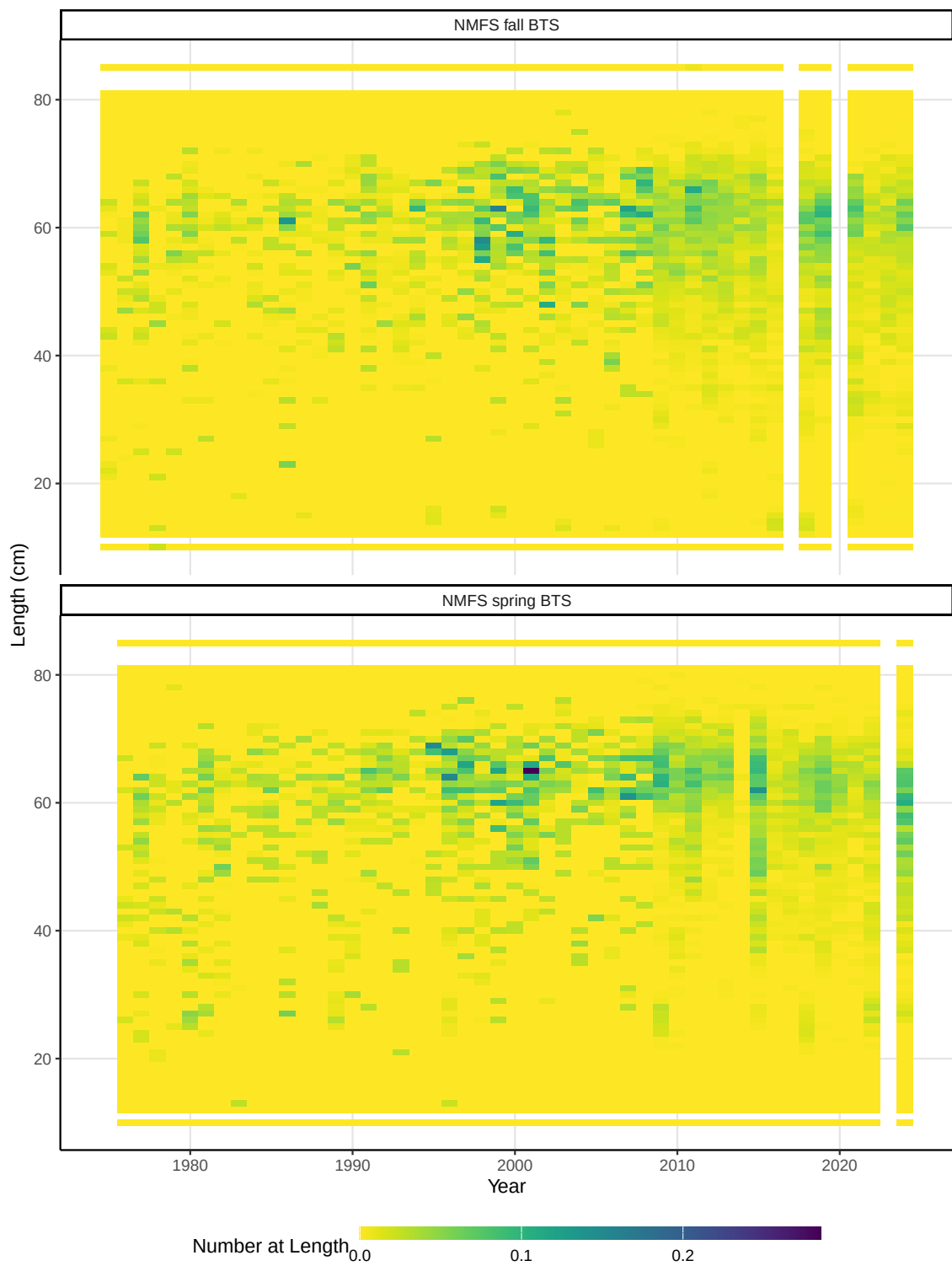


Figure 7: Stratified Mean Indices at Length for the Bottom Trawl Survey of Cleargnose Skate from 1975 through 2024. Survey was incomplete in Fall 2020, Spring 2020, and Spring 2023.

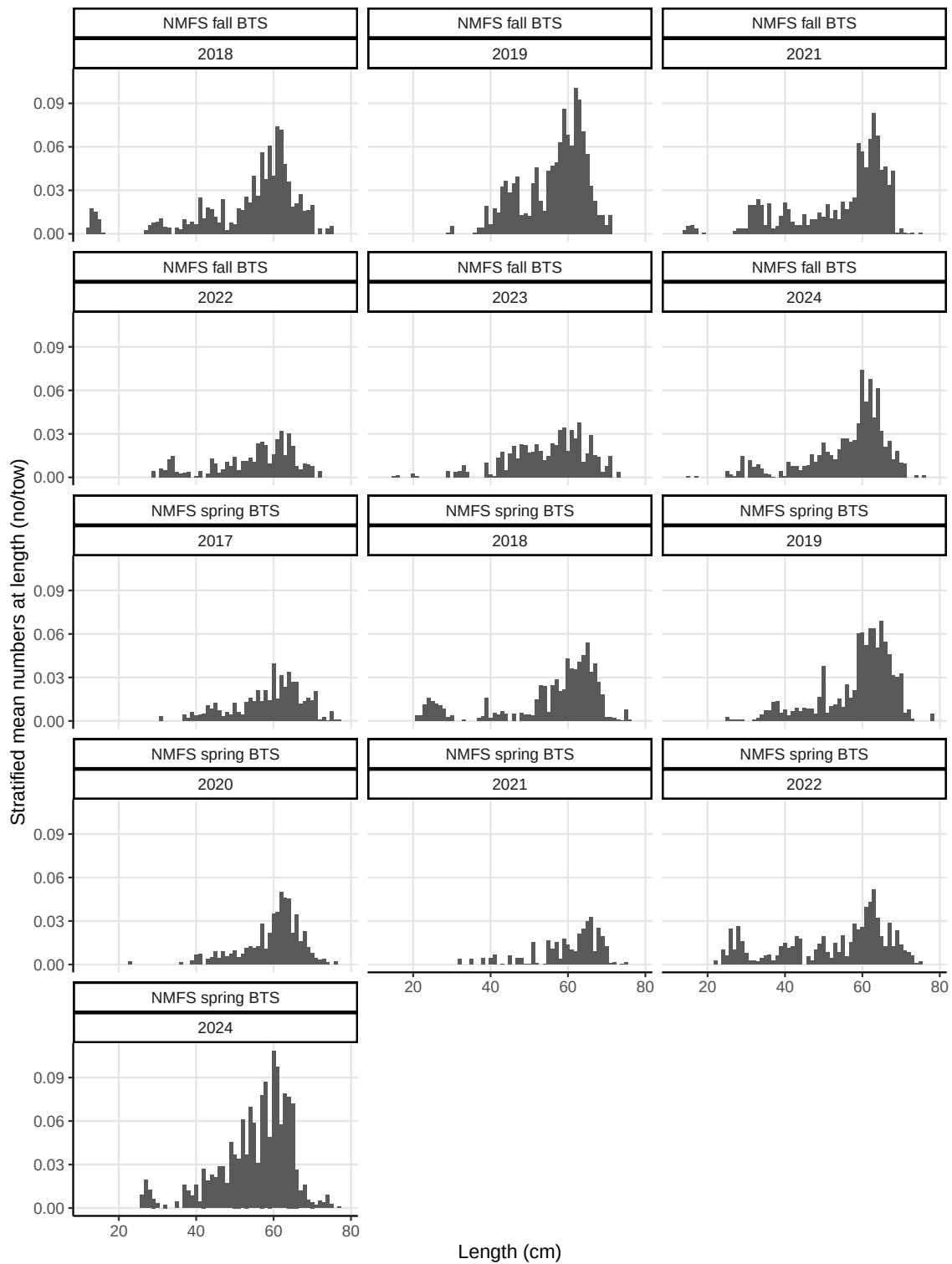


Figure 8: Stratified Mean Indices at Length for the Bottom Trawl Survey of Clearnose Skate from 2017 through 2024. Survey was incomplete in Fall 2020, Spring 2020, and Spring 2023.

Table 3: Bottom Trawl Survey Index of Clearnose Skate from 1975 through 2024. Units in Biomass (kg/tow). Survey was incomplete in Fall 2017 and only strata from the Gulf of Maine and Georges Bank were completed. Survey was incomplete in Fall 2020.

YEAR	FALL INDEX	FALL CV
1975	0.15	0.494
1976	0.10	0.295
1977	0.66	0.396
1978	0.10	0.342
1979	0.33	0.468
1980	0.63	0.218
1981	0.12	0.298
1982	0.14	0.353
1983	0.13	0.421
1984	0.16	0.385
1985	0.19	0.353
1986	0.53	0.593
1987	0.27	0.221
1988	0.07	0.289
1989	0.25	0.417
1990	0.36	0.336
1991	0.77	0.410
1992	0.28	0.218
1993	0.18	0.274
1994	0.53	0.391
1995	0.26	0.290
1996	0.40	0.304
1997	0.62	0.267
1998	1.14	0.469
1999	1.05	0.265
2000	1.10	0.300
2001	0.98	0.233
2002	0.93	0.282
2003	0.60	0.200

YEAR	FALL INDEX	FALL CV
2004	0.80	0.328
2005	0.49	0.304
2006	0.48	0.286
2007	0.90	0.243
2008	1.23	0.367
2009	0.97	0.298
2010	0.82	0.184
2011	1.43	0.481
2012	1.14	0.194
2013	0.97	0.321
2014	0.70	0.214
2015	0.94	0.206
2016	0.39	0.225
2017		
2018	1.01	0.446
2019	1.39	0.313
2020		
2021	1.07	0.258
2022	0.47	0.166
2023	0.66	0.188
2024	0.95	0.200

Little Skate

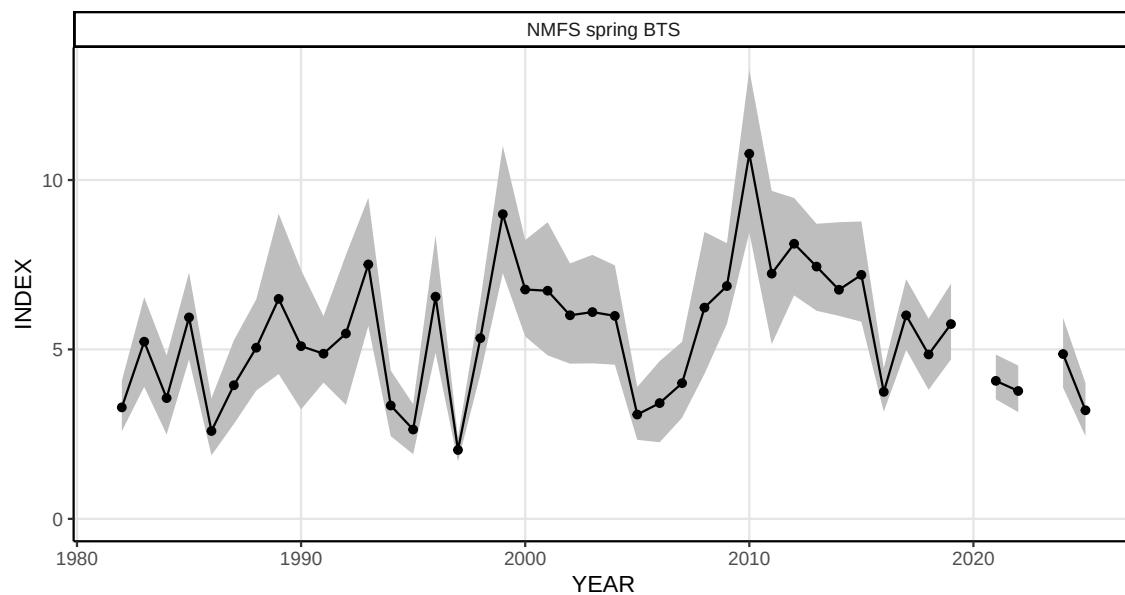


Figure 9: Bottom Trawl Survey Index of Little Skate from 1982 through 2025. Units in Biomass (kg/tow). Gray-shaded area represents the 90% confidence interval. Survey was incomplete in Spring 2020 and Spring 2023.

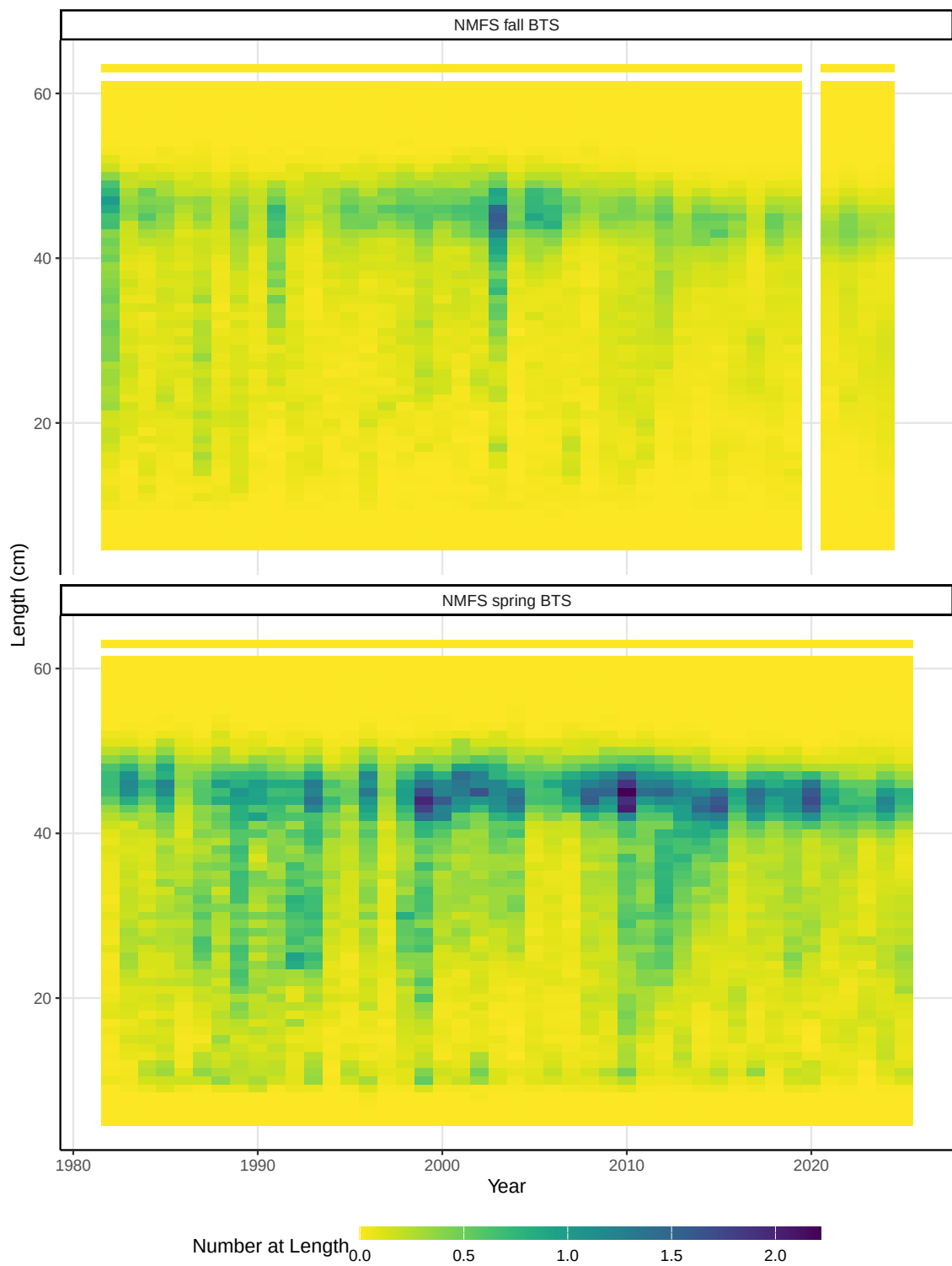


Figure 10: Stratified Mean Indices at Length for the Bottom Trawl Survey of Little Skate from 1982 through 2025. Survey was incomplete in Fall 2020, Spring 2020, and Spring 2023.

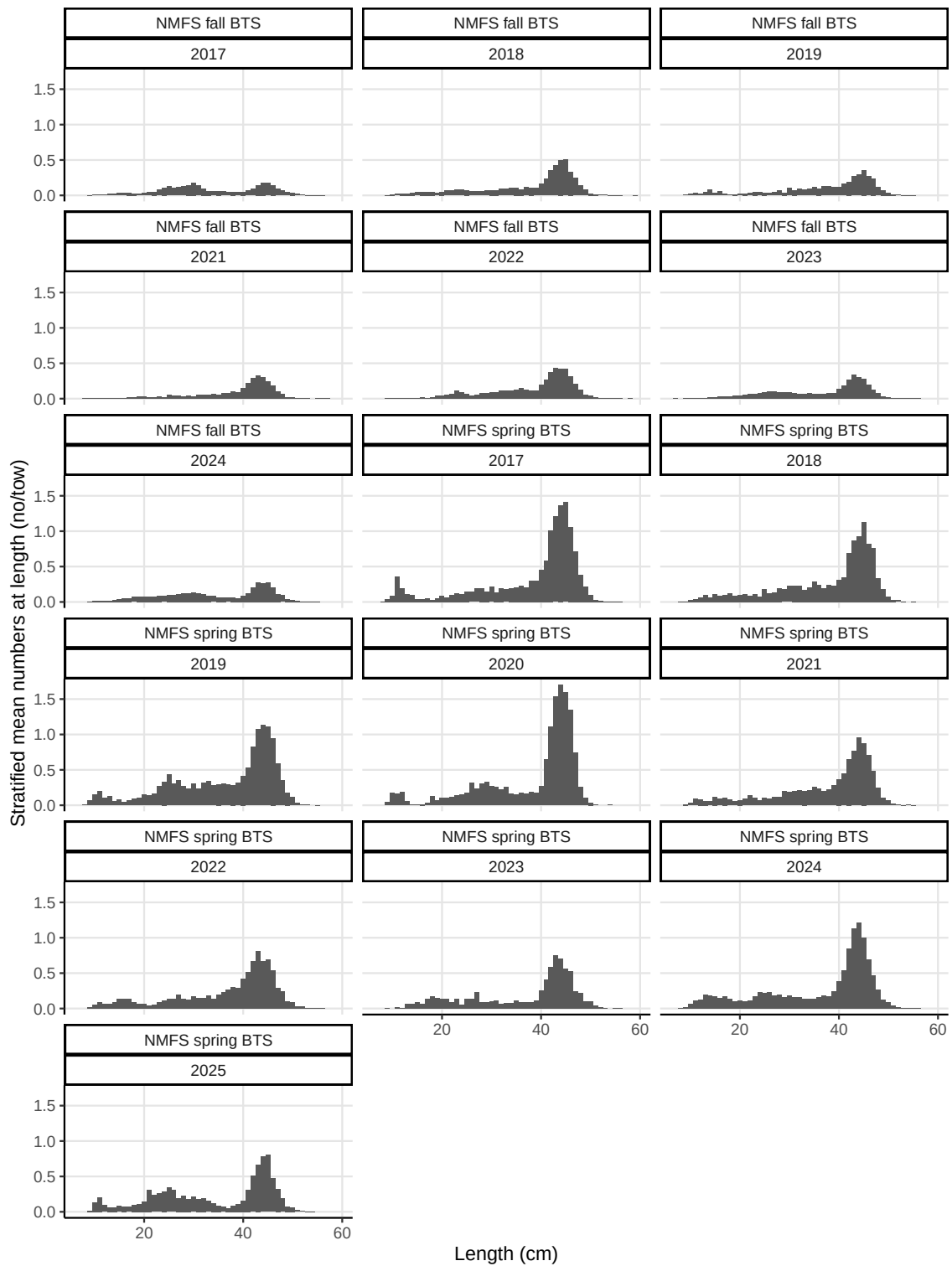


Figure 11: Stratified Mean Indices at Length for the Bottom Trawl Survey of Little Skate from 2018 through 2025. Survey was incomplete in Fall 2020, Spring 2020, and Spring 2023.

Table 4: Bottom Trawl Survey Index of Little Skate from 1982 through 2025. Units in Biomass (kg/tow). Survey was incomplete in Spring 2020 and Spring 2023.

YEAR	SPRING INDEX	SPRING CV
1982	3.29	0.138
1983	5.23	0.152
1984	3.56	0.190
1985	5.94	0.128
1986	2.59	0.210
1987	3.94	0.189
1988	5.05	0.161
1989	6.49	0.236
1990	5.10	0.245
1991	4.88	0.124
1992	5.47	0.265
1993	7.51	0.154
1994	3.34	0.176
1995	2.64	0.168
1996	6.56	0.163
1997	2.03	0.103
1998	5.33	0.121
1999	8.99	0.128
2000	6.77	0.126
2001	6.73	0.183
2002	6.01	0.150
2003	6.10	0.158
2004	5.99	0.147
2005	3.08	0.151
2006	3.42	0.217
2007	4.01	0.170
2008	6.23	0.204
2009	6.87	0.104
2010	10.78	0.139
2011	7.24	0.192

YEAR	SPRING INDEX	SPRING CV
2012	8.12	0.110
2013	7.45	0.106
2014	6.76	0.119
2015	7.20	0.127
2016	3.75	0.102
2017	6.01	0.103
2018	4.85	0.130
2019	5.75	0.119
2020		
2021	4.07	0.096
2022	3.77	0.108
2023		
2024	4.86	0.130
2025	3.20	0.150

Rosette Skate

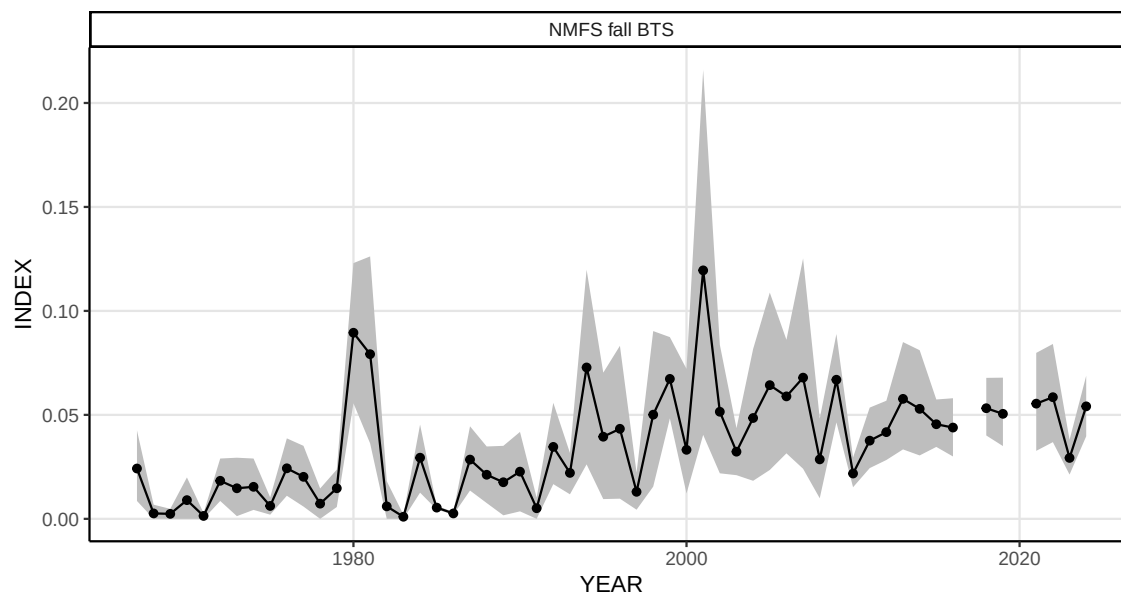


Figure 12: Bottom Trawl Survey Index of Rosette Skate from 1967 through 2024. Units in Biomass (kg/tow). Gray-shaded area represents the 90% confidence interval. Survey was incomplete in Fall 2017 and only strata from the Gulf of Maine and Georges Bank were completed. Survey was incomplete in Fall 2020.

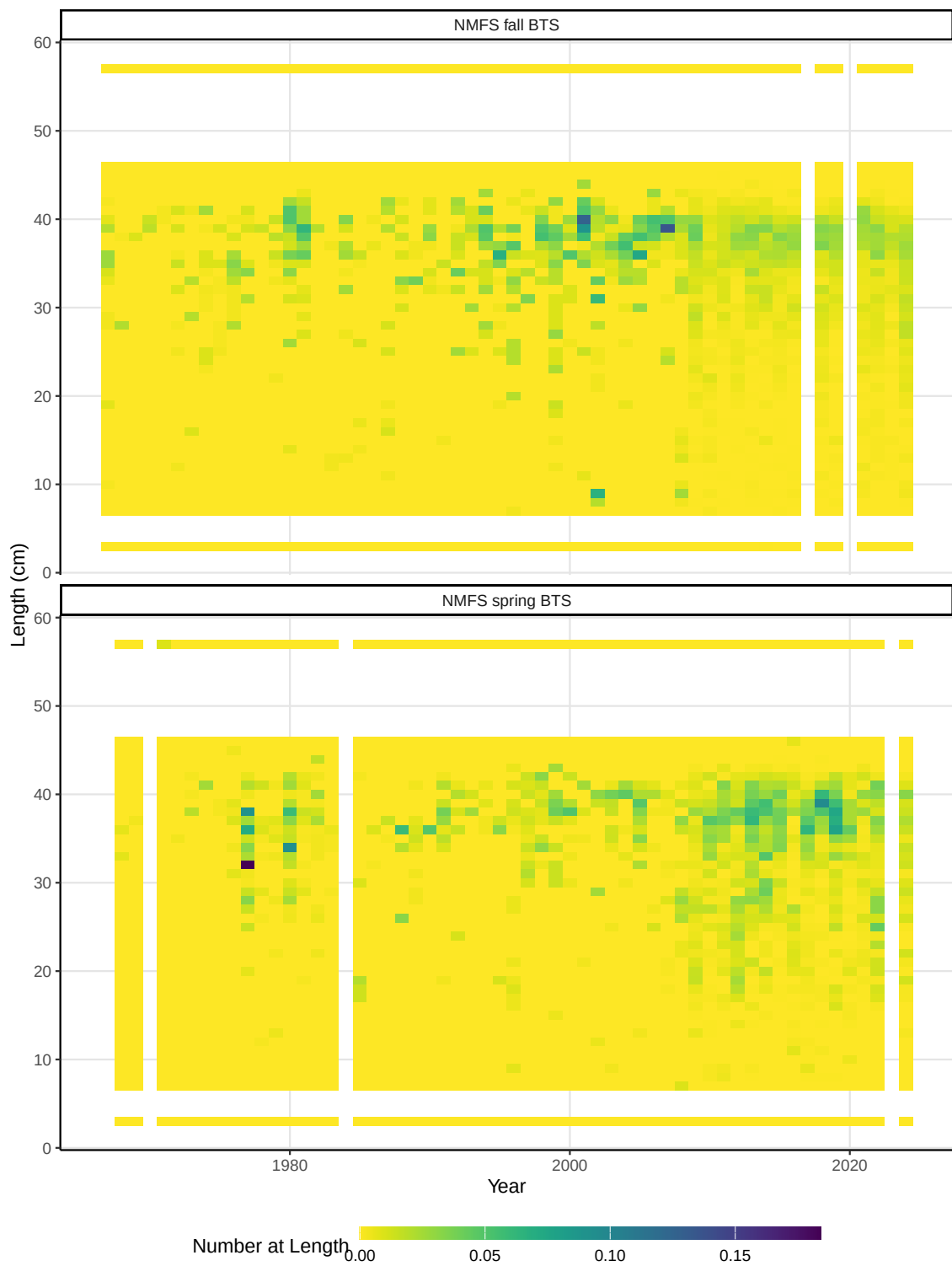


Figure 13: Stratified Mean Indices at Length for the Bottom Trawl Survey of Rosette Skate from 1967 through 2024. Survey was incomplete in Fall 2020, Spring 2020, and Spring 2023.

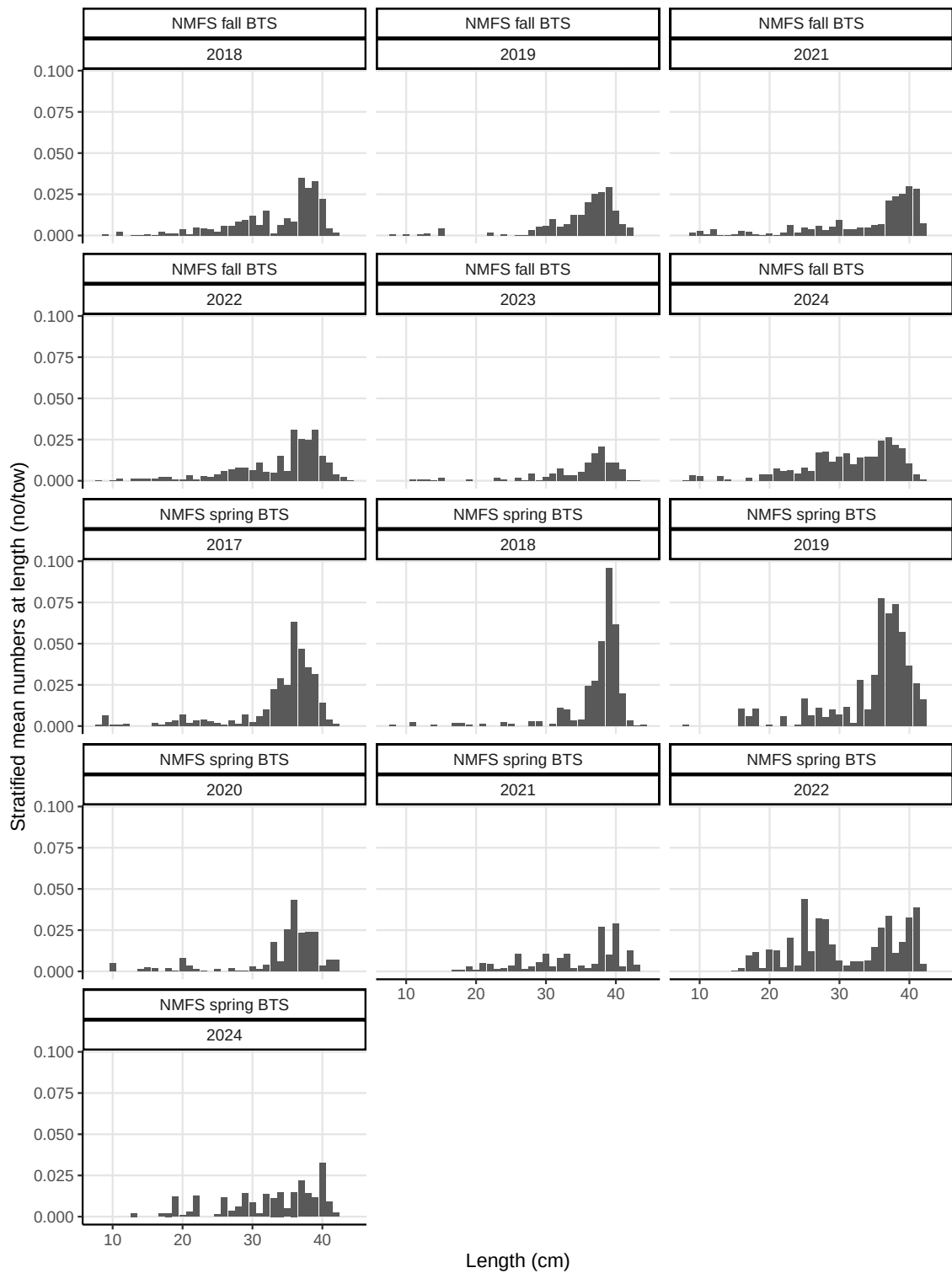


Figure 14: Stratified Mean Indices at Length for the Bottom Trawl Survey of Rosette Skate from 2017 through 2024. Survey was incomplete in Fall 2020, Spring 2020, and Spring 2023.

Table 5: Bottom Trawl Survey Index of Rosette Skate from 1967 through 2024. Units in Biomass (kg/tow). Survey was incomplete in Fall 2017 and only strata from the Gulf of Maine and Georges Bank were completed. Survey was incomplete in Fall 2020.

YEAR	FALL INDEX	FALL CV
1967	0.02	0.426
1968	0.00	0.757
1969	0.00	0.703
1970	0.01	0.683
1971	0.00	0.776
1972	0.02	0.349
1973	0.01	0.600
1974	0.02	0.497
1975	0.01	0.419
1976	0.02	0.347
1977	0.02	0.443
1978	0.01	0.801
1979	0.01	0.359
1980	0.09	0.231
1981	0.08	0.354
1982	0.01	0.929
1983	0.00	0.696
1984	0.03	0.342
1985	0.01	0.096
1986	0.00	0.163
1987	0.03	0.330
1988	0.02	0.409
1989	0.02	0.582
1990	0.02	0.509
1991	0.01	0.715
1992	0.03	0.349
1993	0.02	0.266
1994	0.07	0.384
1995	0.04	0.460

YEAR	FALL INDEX	FALL CV
1996	0.04	0.575
1997	0.01	0.376
1998	0.05	0.480
1999	0.07	0.176
2000	0.03	0.536
2001	0.12	0.457
2002	0.05	0.366
2003	0.03	0.220
2004	0.05	0.393
2005	0.06	0.411
2006	0.06	0.283
2007	0.07	0.441
2008	0.03	0.372
2009	0.07	0.193
2010	0.02	0.199
2011	0.04	0.229
2012	0.04	0.209
2013	0.06	0.270
2014	0.05	0.293
2015	0.05	0.149
2016	0.04	0.200
2017		
2018	0.05	0.158
2019	0.05	0.200
2020		
2021	0.06	0.254
2022	0.06	0.244
2023	0.03	0.174
2024	0.05	0.166

Smooth Skate

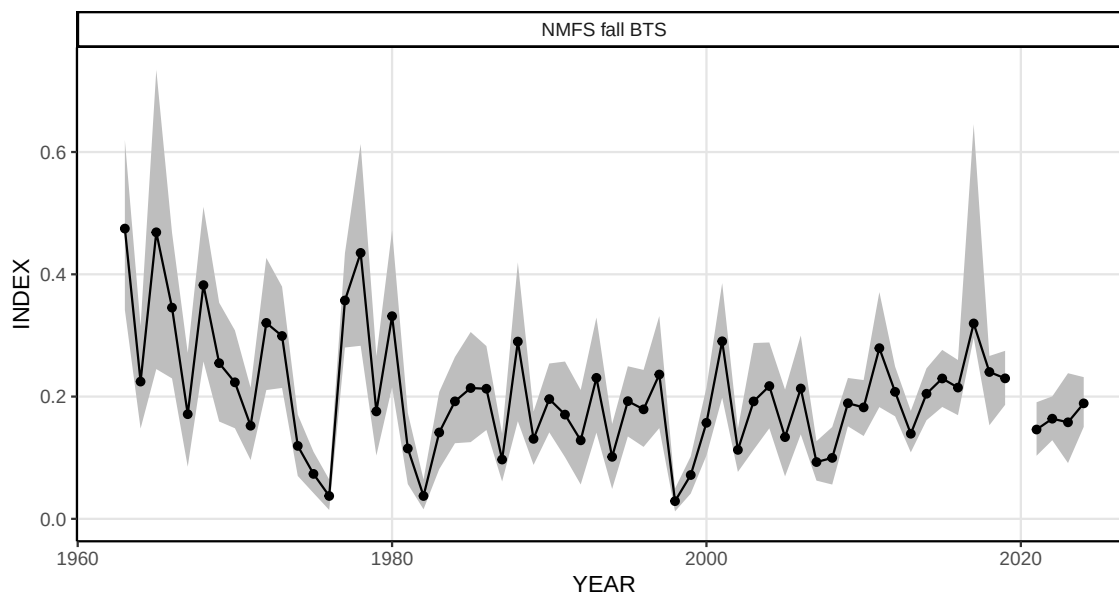


Figure 15: Bottom Trawl Survey Index of Smooth Skate from 1963 through 2024. Units in Biomass (kg/tow). Gray-shaded area represents the 90% confidence interval. Survey was incomplete in Fall 2020.

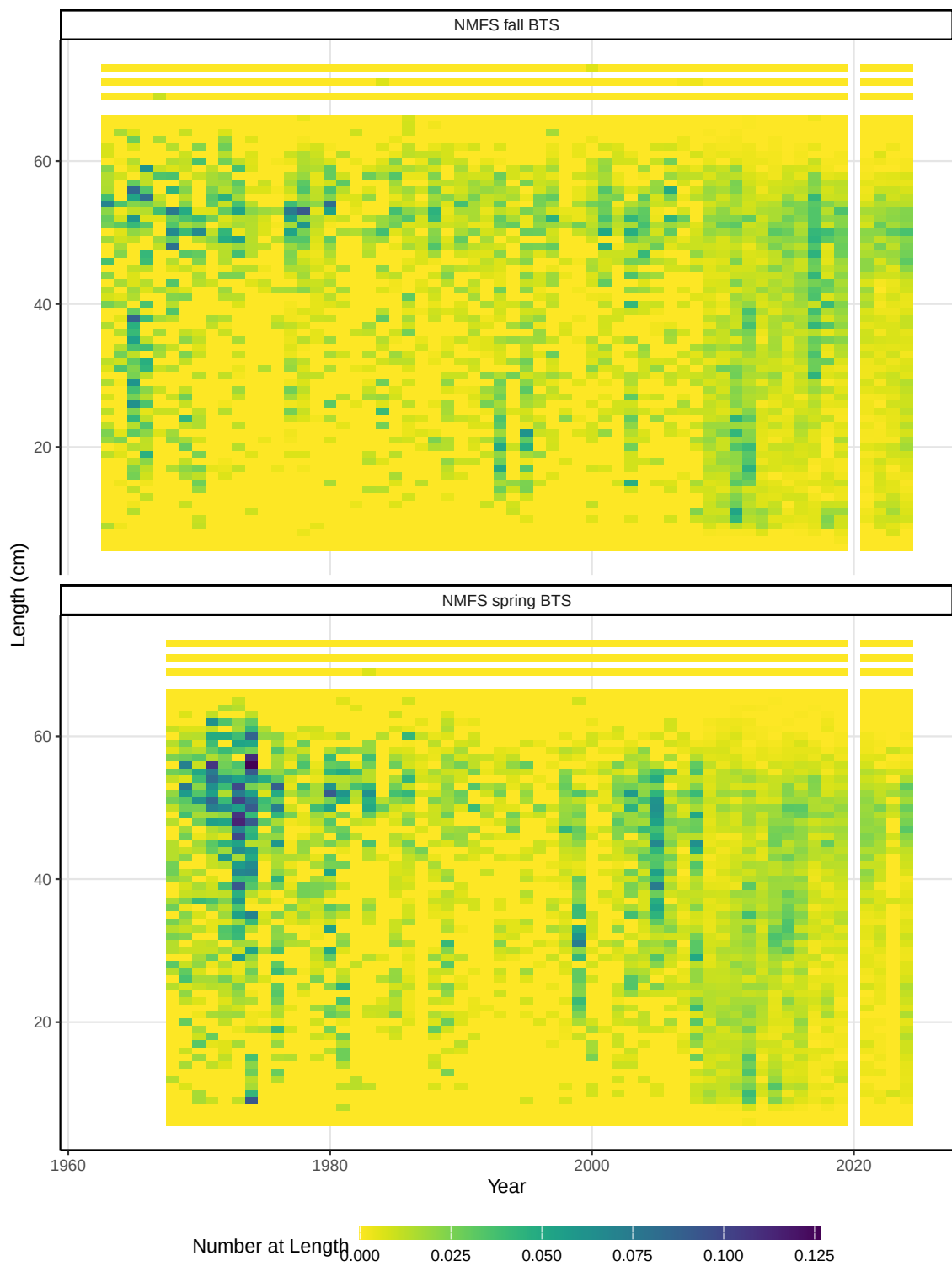


Figure 16: Stratified Mean Indices at Length for the Bottom Trawl Survey of Smooth Skate from 1963 through 2024. Survey was incomplete in Fall 2020, Spring 2020, and Spring 2023.

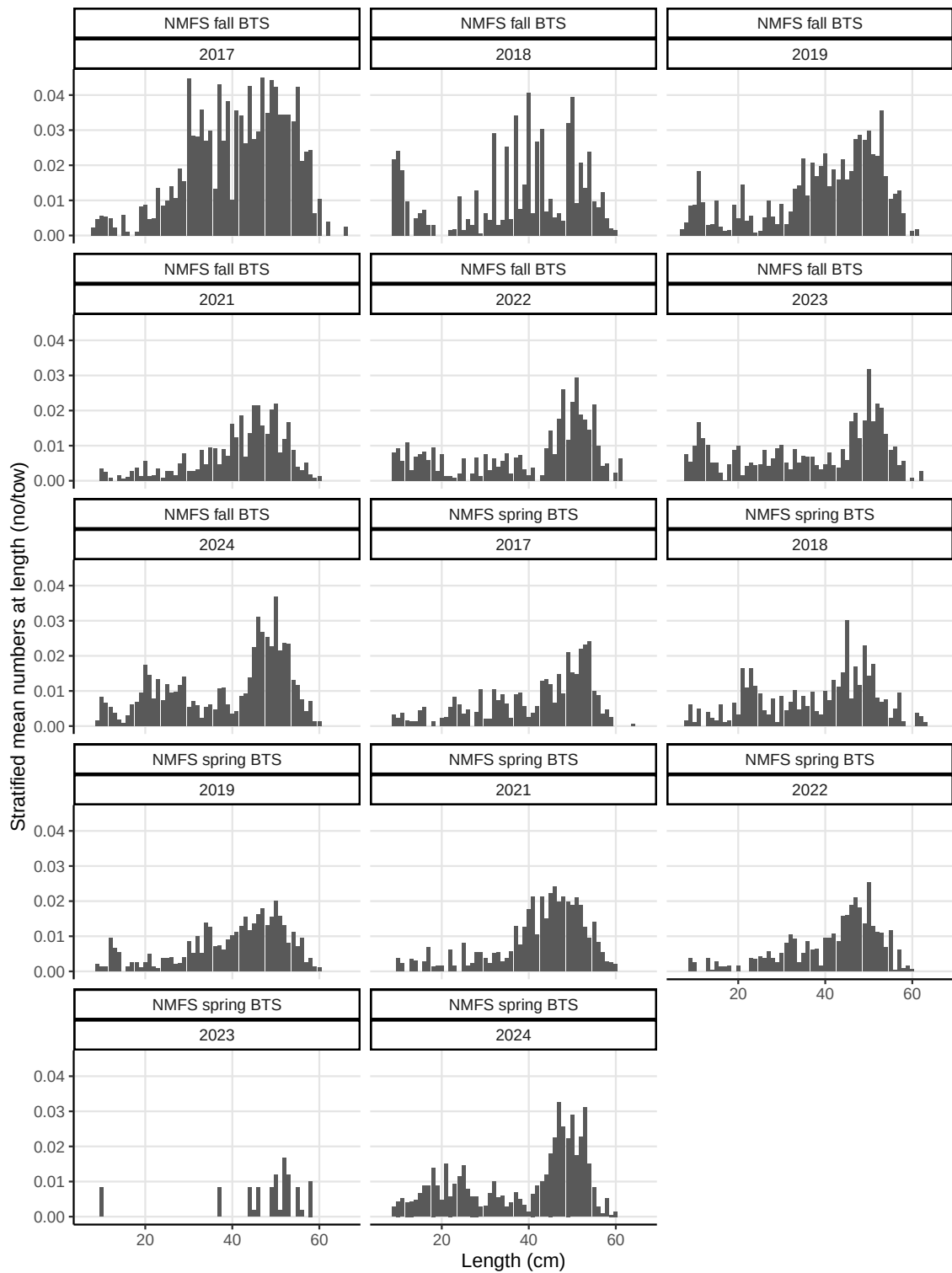


Figure 17: Stratified Mean Indices at Length for the Bottom Trawl Survey of Smooth Skate from 2017 through 2024. Survey was incomplete in Fall 2020, Spring 2020, and Spring 2023.

Table 6: Bottom Trawl Survey Index of Smooth Skate from 1963 through 2024. Units in Biomass (kg/tow). Survey was incomplete in Fall 2020.

YEAR	FALL INDEX	FALL CV
1963	0.47	0.178
1964	0.22	0.227
1965	0.47	0.323
1966	0.35	0.212
1967	0.17	0.327
1968	0.38	0.199
1969	0.25	0.233
1970	0.22	0.220
1971	0.15	0.238
1972	0.32	0.209
1973	0.30	0.169
1974	0.12	0.257
1975	0.07	0.274
1976	0.04	0.406
1977	0.36	0.129
1978	0.44	0.230
1979	0.18	0.280
1980	0.33	0.243
1981	0.12	0.313
1982	0.04	0.400
1983	0.14	0.280
1984	0.19	0.221
1985	0.21	0.256
1986	0.21	0.195
1987	0.10	0.242
1988	0.29	0.271
1989	0.13	0.204
1990	0.20	0.178
1991	0.17	0.272
1992	0.13	0.369

YEAR	FALL INDEX	FALL CV
1993	0.23	0.246
1994	0.10	0.328
1995	0.19	0.180
1996	0.18	0.216
1997	0.24	0.237
1998	0.03	0.388
1999	0.07	0.263
2000	0.16	0.212
2001	0.29	0.198
2002	0.11	0.190
2003	0.19	0.279
2004	0.22	0.195
2005	0.13	0.332
2006	0.21	0.229
2007	0.09	0.206
2008	0.10	0.295
2009	0.19	0.126
2010	0.18	0.152
2011	0.28	0.206
2012	0.21	0.122
2013	0.14	0.145
2014	0.20	0.127
2015	0.23	0.126
2016	0.21	0.129
2017	0.32	0.239
2018	0.24	0.161
2019	0.23	0.116
2020		
2021	0.15	0.187
2022	0.16	0.135
2023	0.16	0.284
2024	0.19	0.129

Thorny Skate

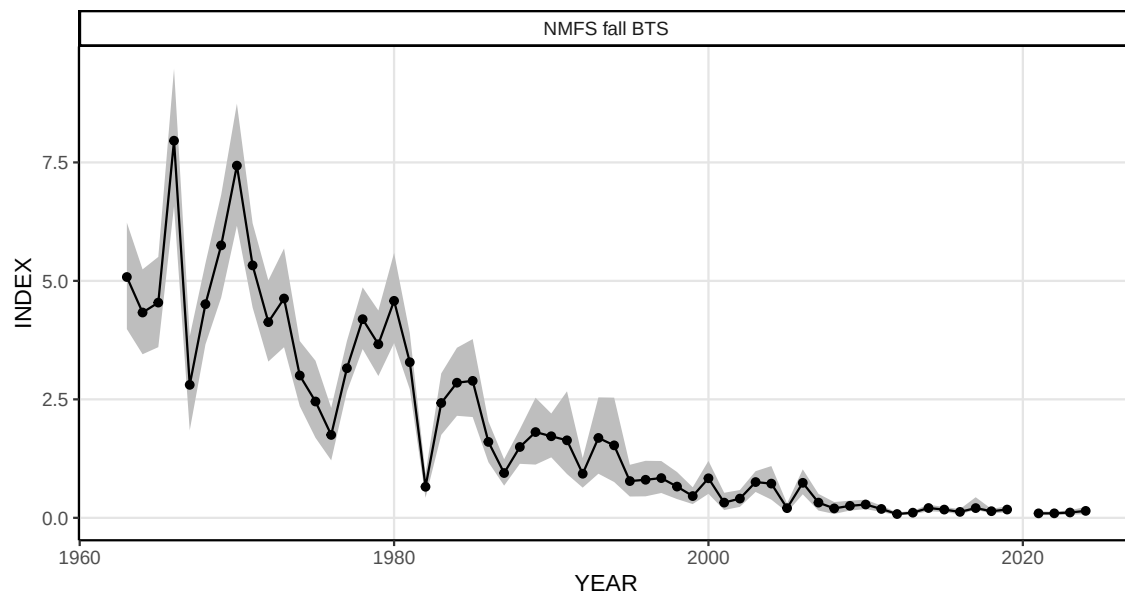


Figure 18: Bottom Trawl Survey Index of Thorny Skate from 1963 through 2024. Units in Biomass (kg/tow). Gray-shaded area represents the 90% confidence interval. Survey was incomplete in Fall 2020.

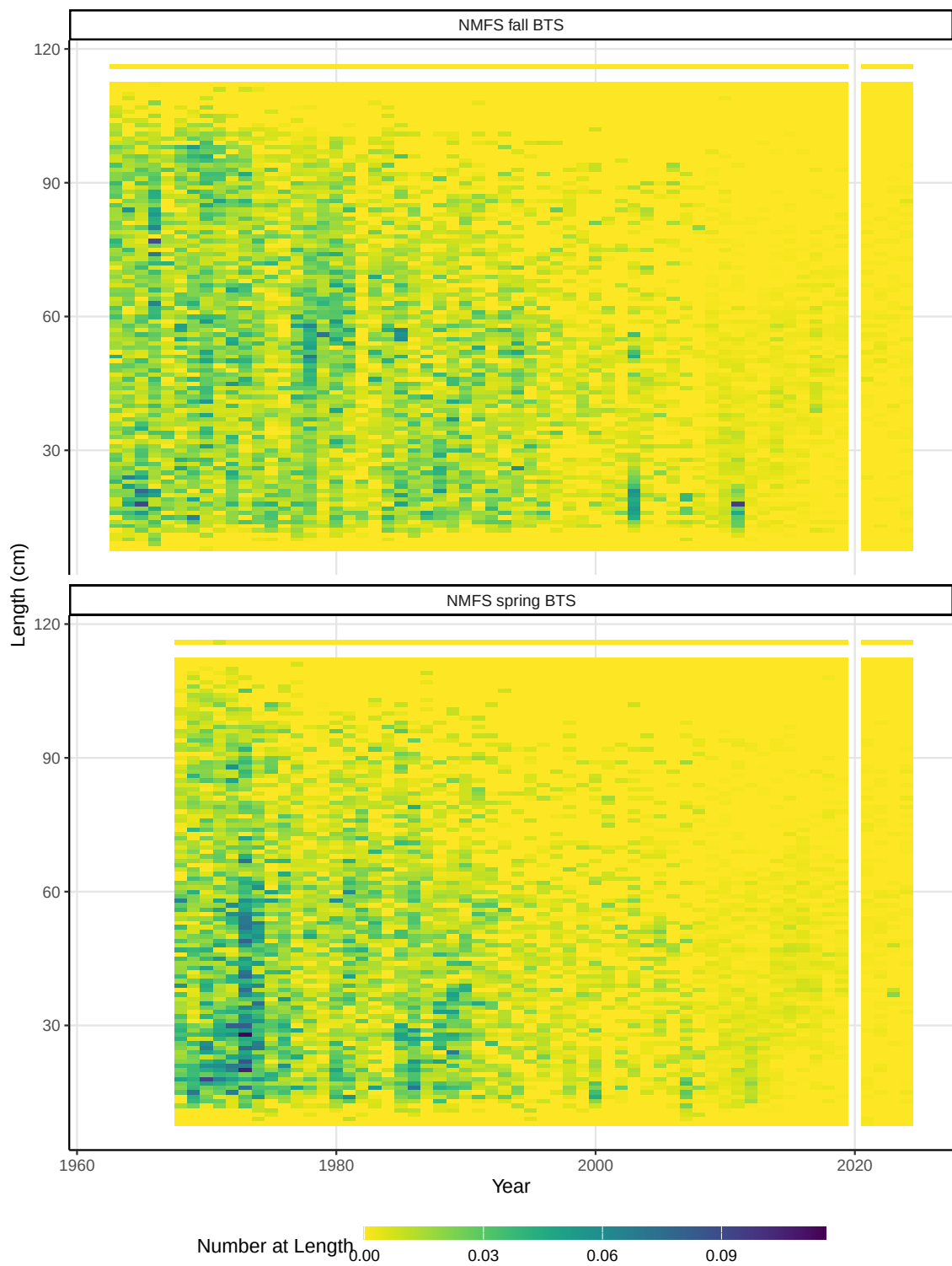


Figure 19: Stratified Mean Indices at Length for the Bottom Trawl Survey of Thorny Skate from 1963 through 2024. Survey was incomplete in Fall 2020, Spring 2020, and Spring 2023.

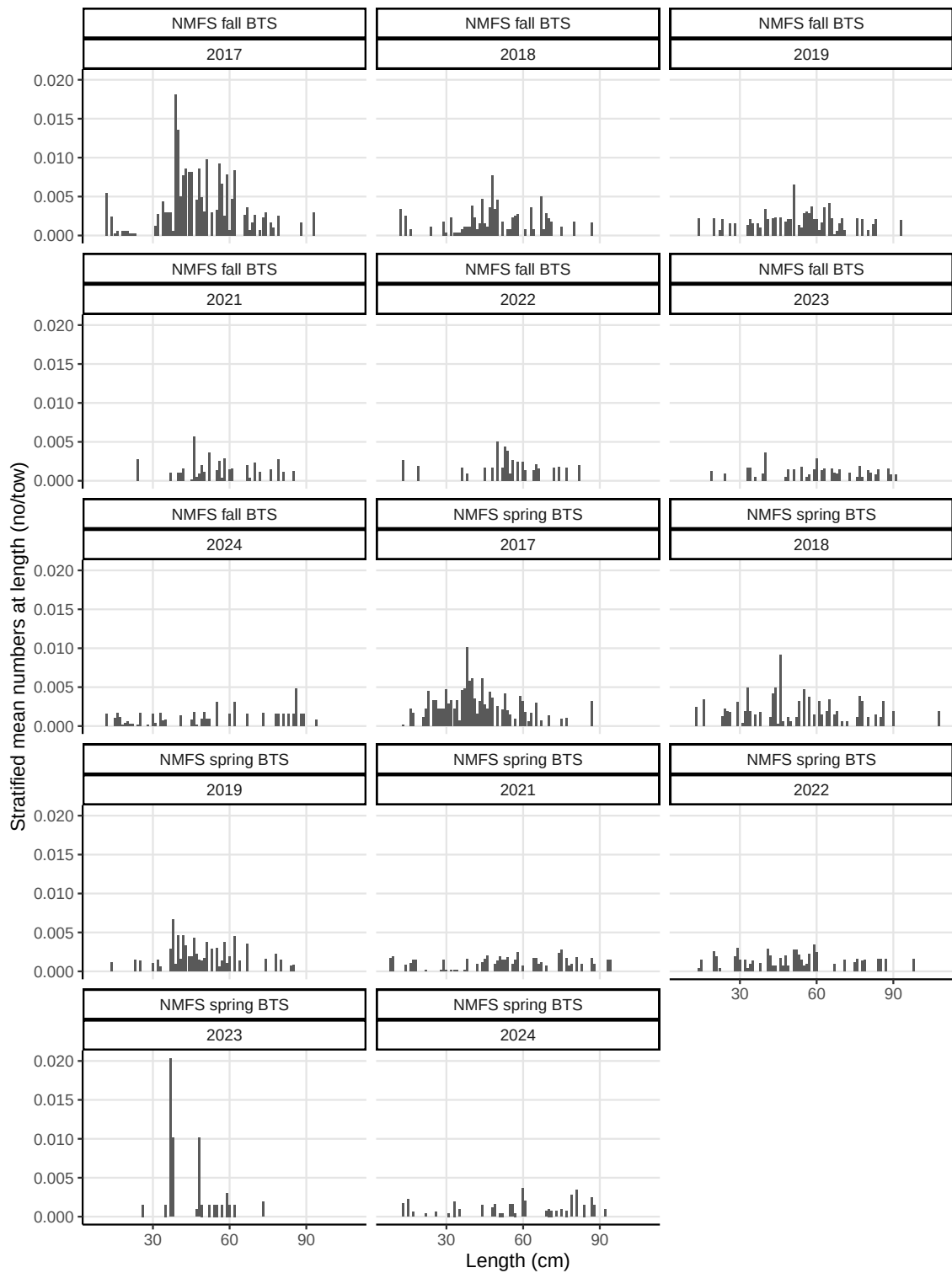


Figure 20: Stratified Mean Indices at Length for the Bottom Trawl Survey of Thorny Skate from 2017 through 2024. Survey was incomplete in Fall 2020, Spring 2020, and Spring 2023.

Table 7: Bottom Trawl Survey Index of Thorny Skate from 1963 through 2024. Units in Biomass (kg/tow). Survey was incomplete in Fall 2020.

YEAR	FALL INDEX	FALL CV
1963	5.08	0.133
1964	4.33	0.129
1965	4.54	0.126
1966	7.96	0.110
1967	2.81	0.214
1968	4.51	0.115
1969	5.75	0.115
1970	7.43	0.107
1971	5.33	0.106
1972	4.13	0.130
1973	4.63	0.138
1974	3.00	0.139
1975	2.45	0.192
1976	1.75	0.189
1977	3.16	0.104
1978	4.19	0.095
1979	3.66	0.116
1980	4.58	0.126
1981	3.28	0.110
1982	0.66	0.244
1983	2.42	0.164
1984	2.85	0.151
1985	2.89	0.178
1986	1.60	0.162
1987	0.95	0.180
1988	1.49	0.147
1989	1.81	0.231
1990	1.72	0.164
1991	1.64	0.321
1992	0.93	0.206

YEAR	FALL INDEX	FALL CV
1993	1.69	0.284
1994	1.53	0.363
1995	0.78	0.270
1996	0.80	0.274
1997	0.84	0.241
1998	0.66	0.260
1999	0.46	0.240
2000	0.83	0.242
2001	0.32	0.354
2002	0.41	0.265
2003	0.75	0.176
2004	0.72	0.300
2005	0.20	0.273
2006	0.74	0.218
2007	0.32	0.337
2008	0.20	0.382
2009	0.25	0.247
2010	0.28	0.225
2011	0.19	0.215
2012	0.08	0.236
2013	0.11	0.202
2014	0.21	0.204
2015	0.17	0.195
2016	0.13	0.260
2017	0.21	0.277
2018	0.14	0.206
2019	0.17	0.226
2020		
2021	0.09	0.272
2022	0.10	0.220
2023	0.11	0.250
2024	0.15	0.313

Winter Skate

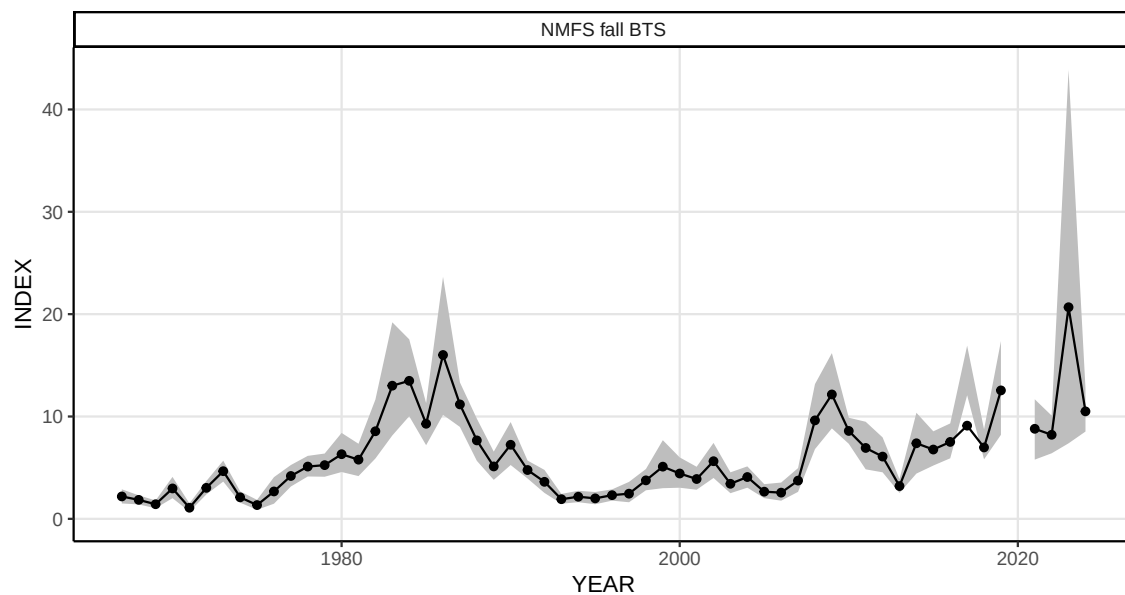


Figure 21: Bottom Trawl Survey Index of Winter Skate from 1967 through 2024. Units in Biomass (kg/tow). Gray-shaded area represents the 90% confidence interval. Survey was incomplete in Fall 2020.

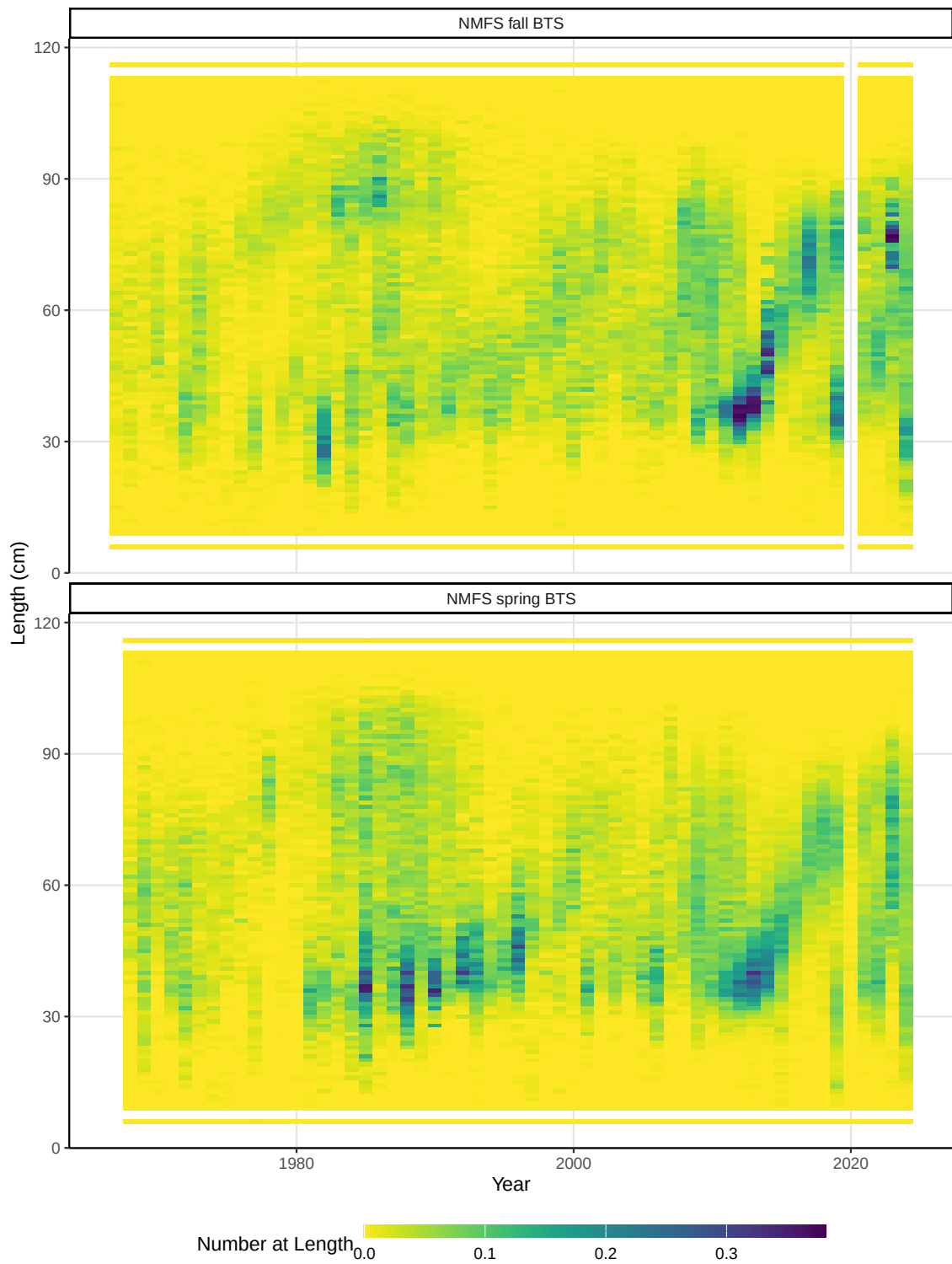


Figure 22: Stratified Mean Indices at Length for the Bottom Trawl Survey of Winter Skate from 1967 through 2024. Survey was incomplete in Fall 2020, Spring 2020, and Spring 2023.

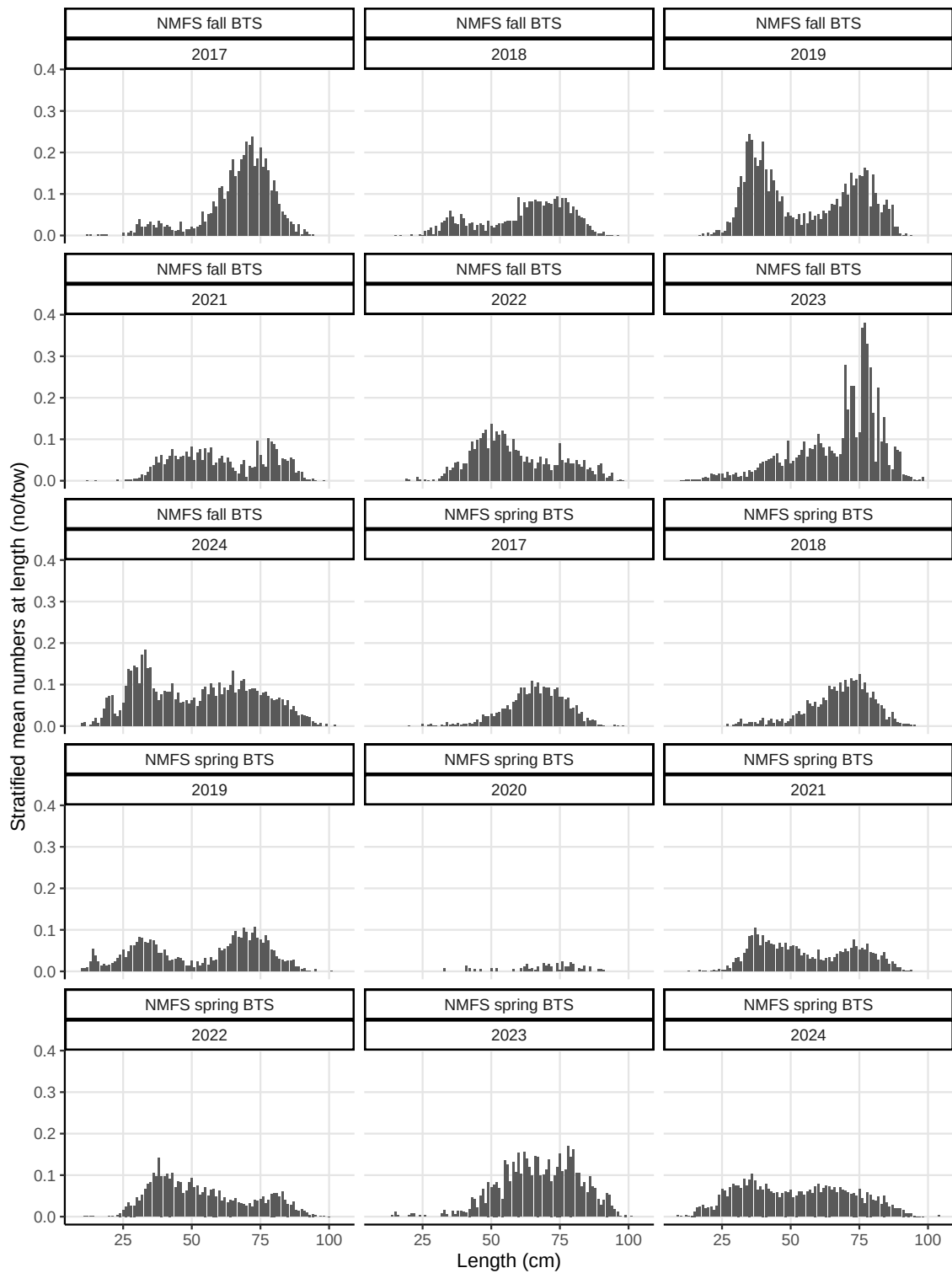


Figure 23: Stratified Mean Indices at Length for the Bottom Trawl Survey of Winter Skate from 2017 through 2024. Survey was incomplete in Fall 2020, Spring 2020, and Spring 2023.

Table 8: Bottom Trawl Survey Index of Winter Skate from 1967 through 2024. Units in Biomass (kg/tow). Survey was incomplete in Fall 2020.

YEAR	FALL INDEX	FALL CV
1967	2.19	0.189
1968	1.85	0.148
1969	1.43	0.164
1970	2.97	0.213
1971	1.08	0.227
1972	3.03	0.135
1973	4.66	0.136
1974	2.10	0.159
1975	1.35	0.225
1976	2.68	0.292
1977	4.19	0.152
1978	5.11	0.119
1979	5.25	0.129
1980	6.32	0.187
1981	5.78	0.162
1982	8.56	0.202
1983	13.01	0.258
1984	13.48	0.168
1985	9.29	0.134
1986	16.01	0.257
1987	11.18	0.124
1988	7.66	0.163
1989	5.12	0.163
1990	7.24	0.172
1991	4.77	0.111
1992	3.62	0.186
1993	1.92	0.150
1994	2.16	0.157
1995	2.00	0.189
1996	2.31	0.140

YEAR	FALL INDEX	FALL CV
1997	2.46	0.247
1998	3.76	0.163
1999	5.10	0.278
2000	4.43	0.207
2001	3.89	0.178
2002	5.63	0.186
2003	3.42	0.181
2004	4.09	0.162
2005	2.65	0.155
2006	2.56	0.202
2007	3.74	0.196
2008	9.62	0.202
2009	12.15	0.179
2010	8.59	0.090
2011	6.93	0.208
2012	6.08	0.171
2013	3.20	0.129
2014	7.38	0.255
2015	6.77	0.154
2016	7.52	0.134
2017	9.11	0.101
2018	6.98	0.123
2019	12.55	0.225
2020		
2021	8.80	0.205
2022	8.21	0.136
2023	20.68	0.542
2024	10.50	0.118