

2025 Scallop Survey Short Report

Prepared by:

Virginia Institute of Marine Science

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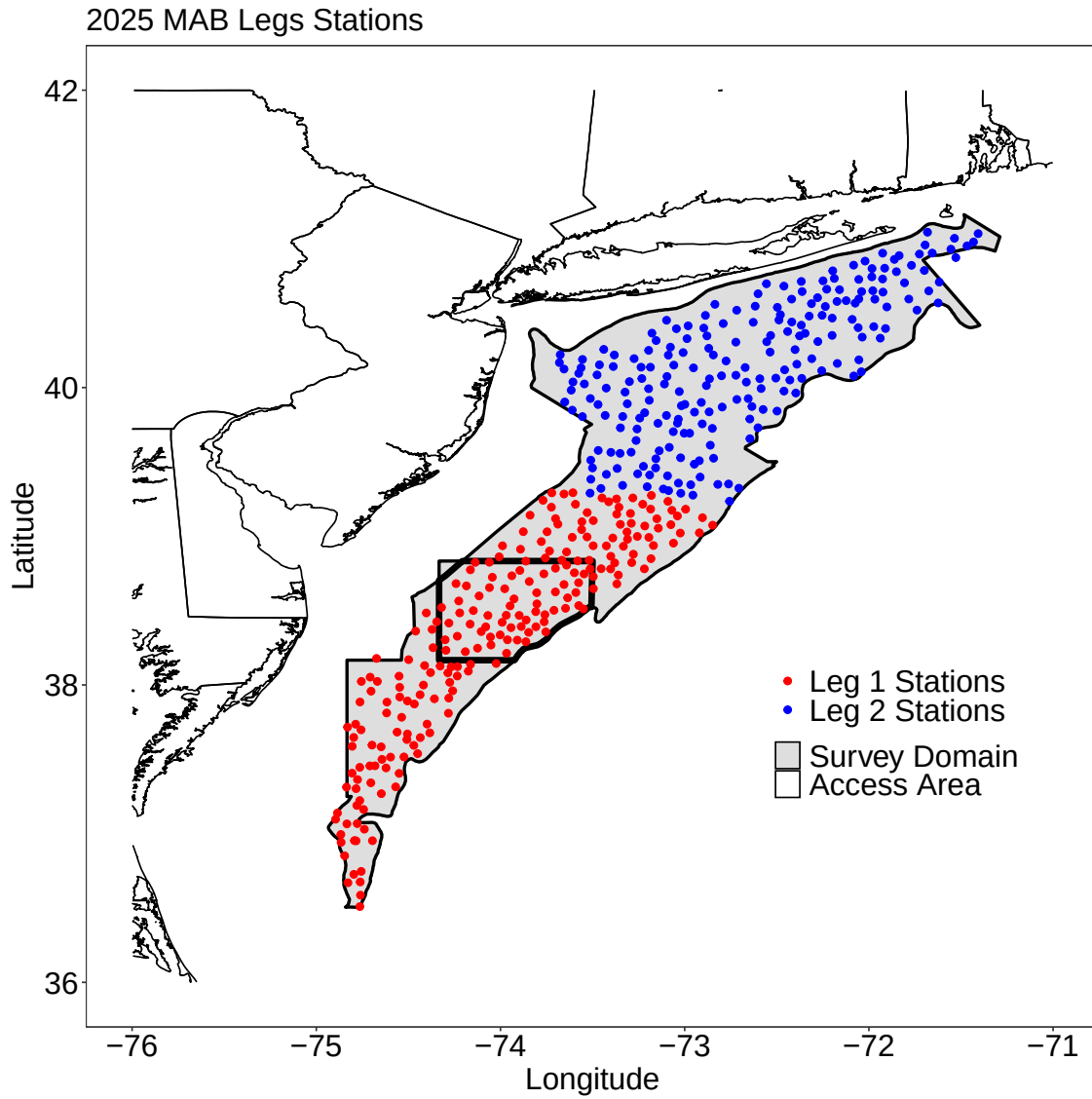
August 22, 2025

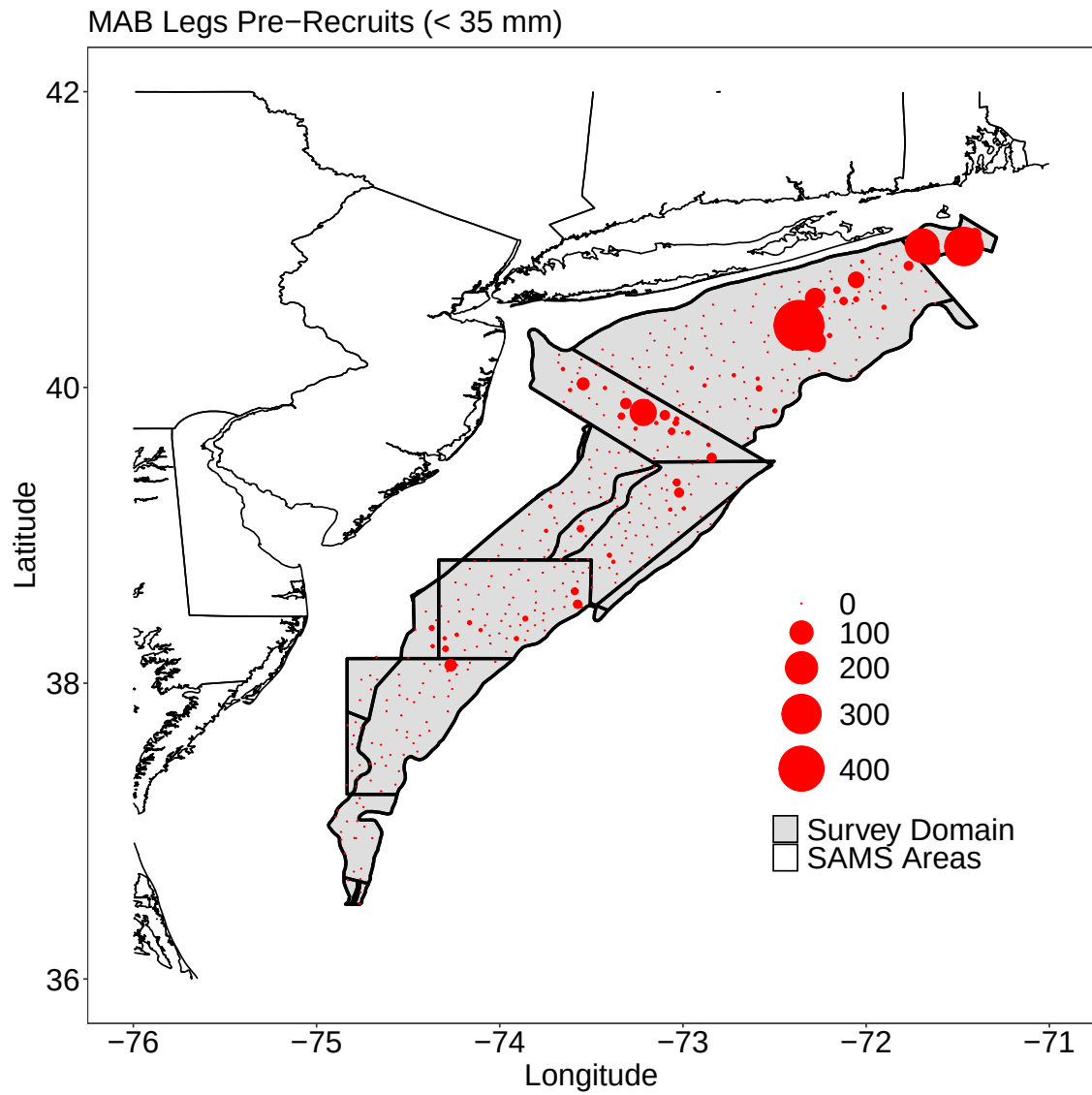
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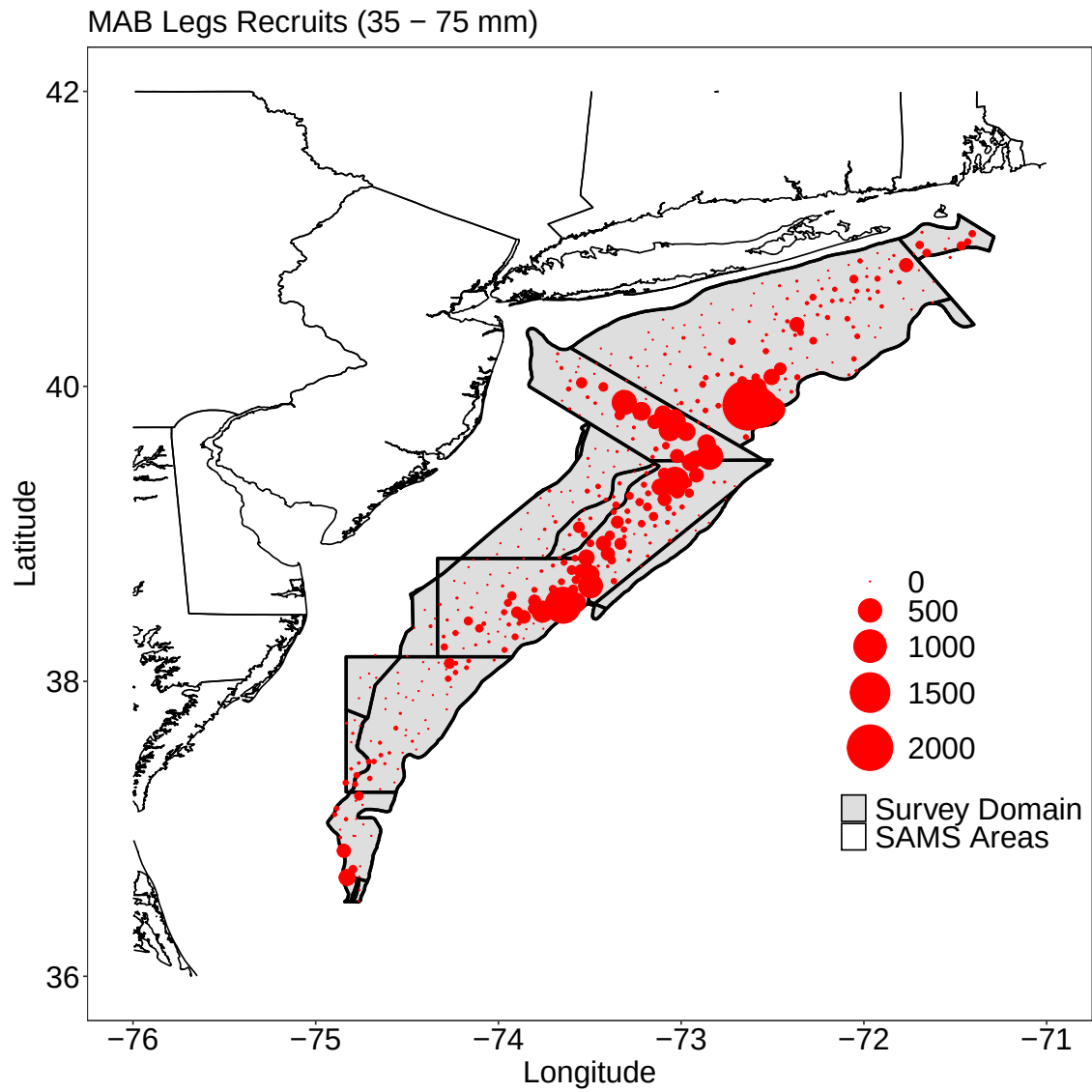
Region	Dredge							#Tows
	Area	Abundance (mil.)	Biomass (mt)	SE	Avg. Weight (g)	Avg. Size (mm)	Avg. Density (#/m2)	
Georges Bank	CL2- Access	37,242,457.69	776.43	48.98	20.81	110.110	0.01	36
	CL2-Ext	123,503,188.22	1,356.74	216.23	10.84	88.020	0.07	25
	NLS- North	27,758,336.64	434.67	52.43	17.20	98.250	0.02	30
	NLS- South	2,044,824,986.74	7,804.59	913.43	3.82	65.500	1.66	64
	NLS-West	12,545,901.26	313.04	49.18	25.01	113.320	0.01	33
	SF	259,956,140.31	3,145.69	303.53	11.61	90.230	0.09	49
	BI	27,724,672.80	560.79	137.81	20.45	91.170	0.03	10
	LI	999,623,610.51	12,234.68	1,357.22	12.32	81.700	0.08	138
Mid- Atlantic	NYB	467,462,065.36	4,799.50	400.64	10.47	75.490	0.08	59
	MAB- Nearshore	5,126,448.74	77.53	10.18	15.16	0.002	0.00	36
	HCS	777,417,155.22	9,109.58	865.64	11.99	83.130	0.22	54
	ET	362,444,760.56	4,307.51	323.95	11.72	82.610	0.14	65
	DMV	8,633,632.59	47.18	5.16	4.70	0.002	0.00	62
	VIR	11,031,926.43	52.81	10.74	4.78	60.510	0.01	20

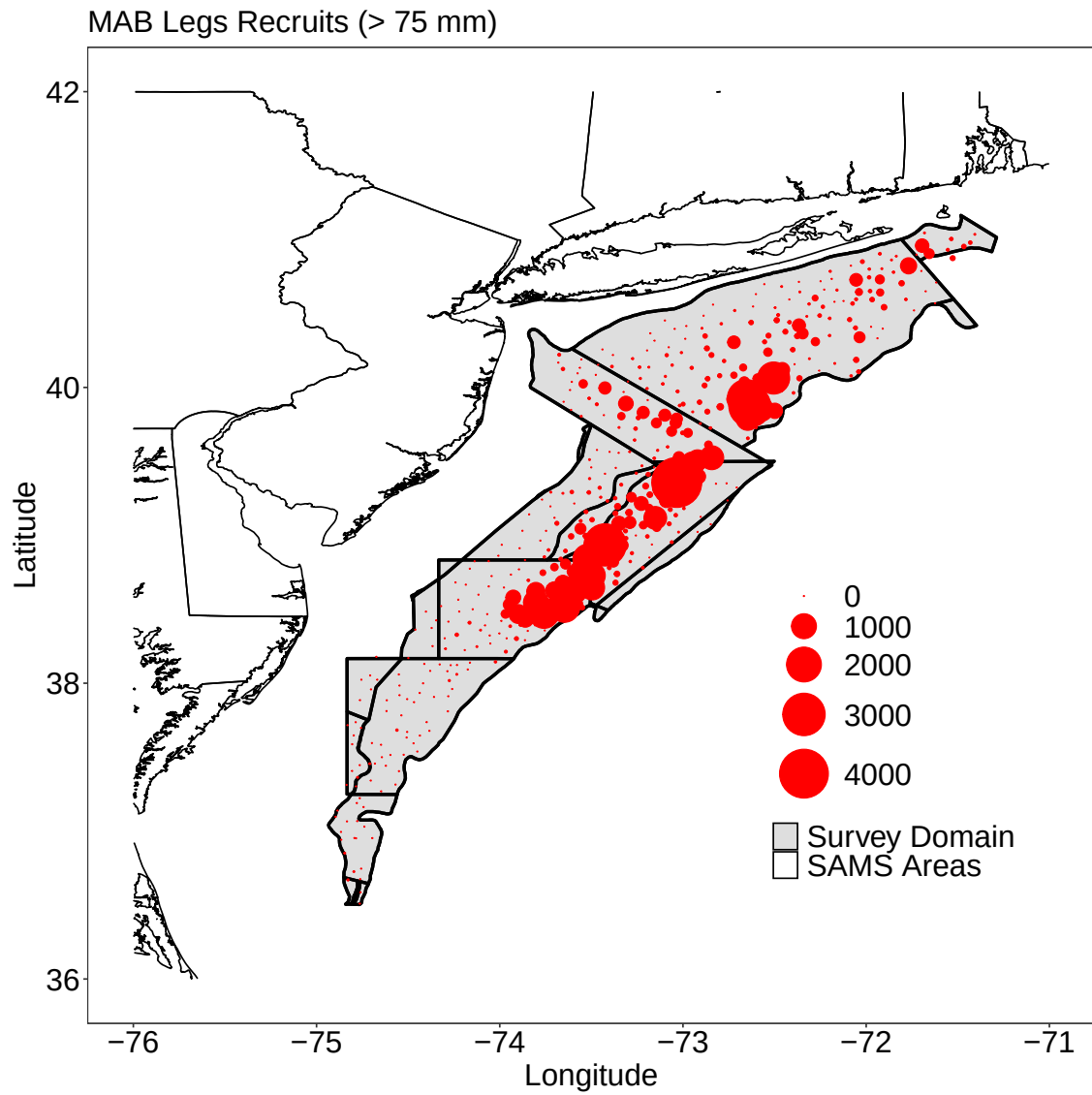
2. FIGURES OF SURVEY COVERAGE

MAB Legs

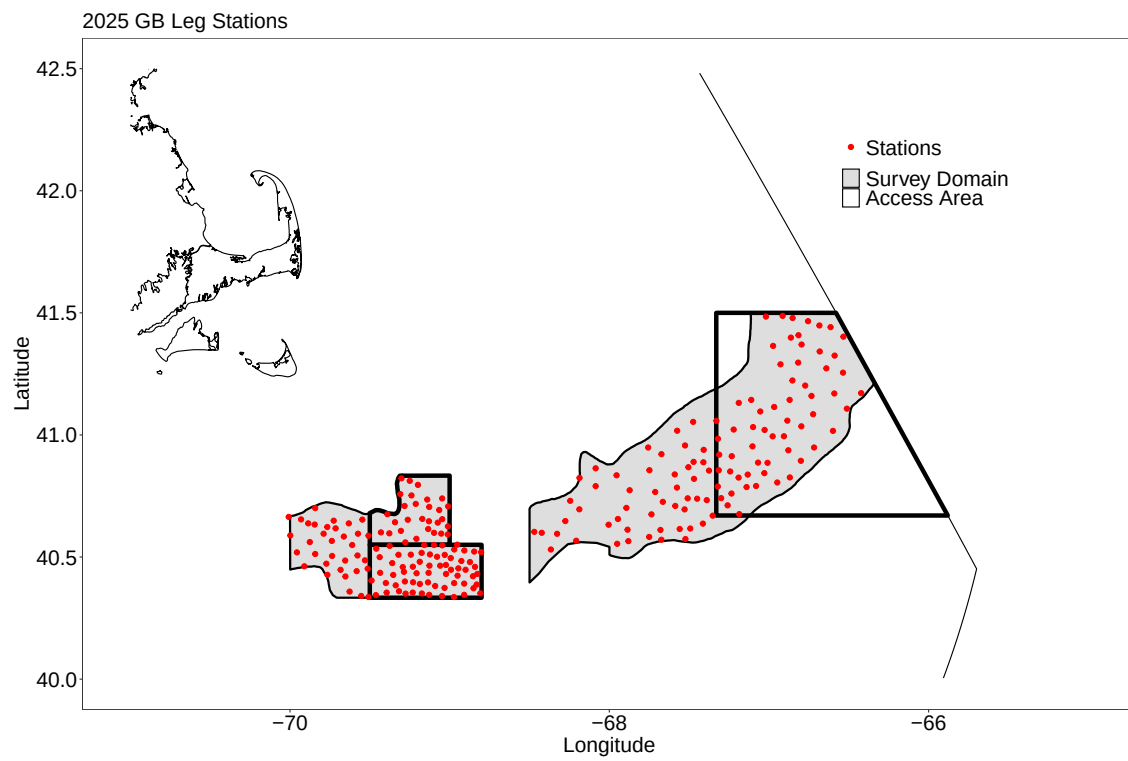


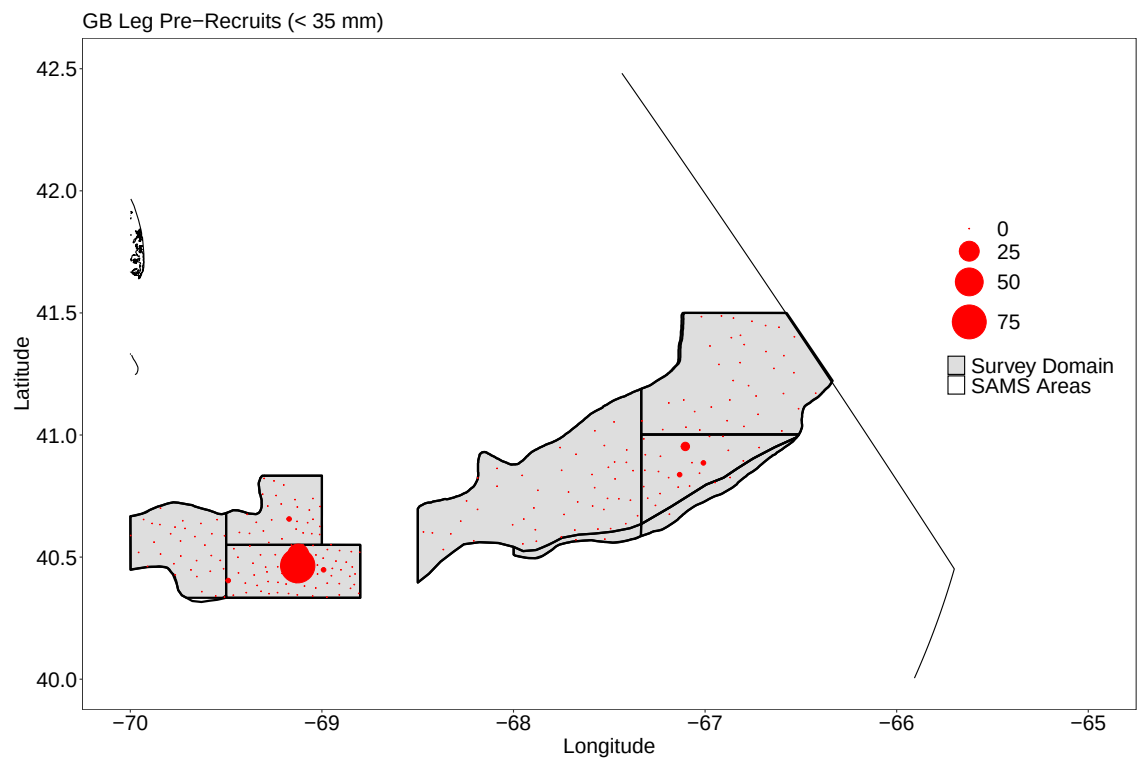


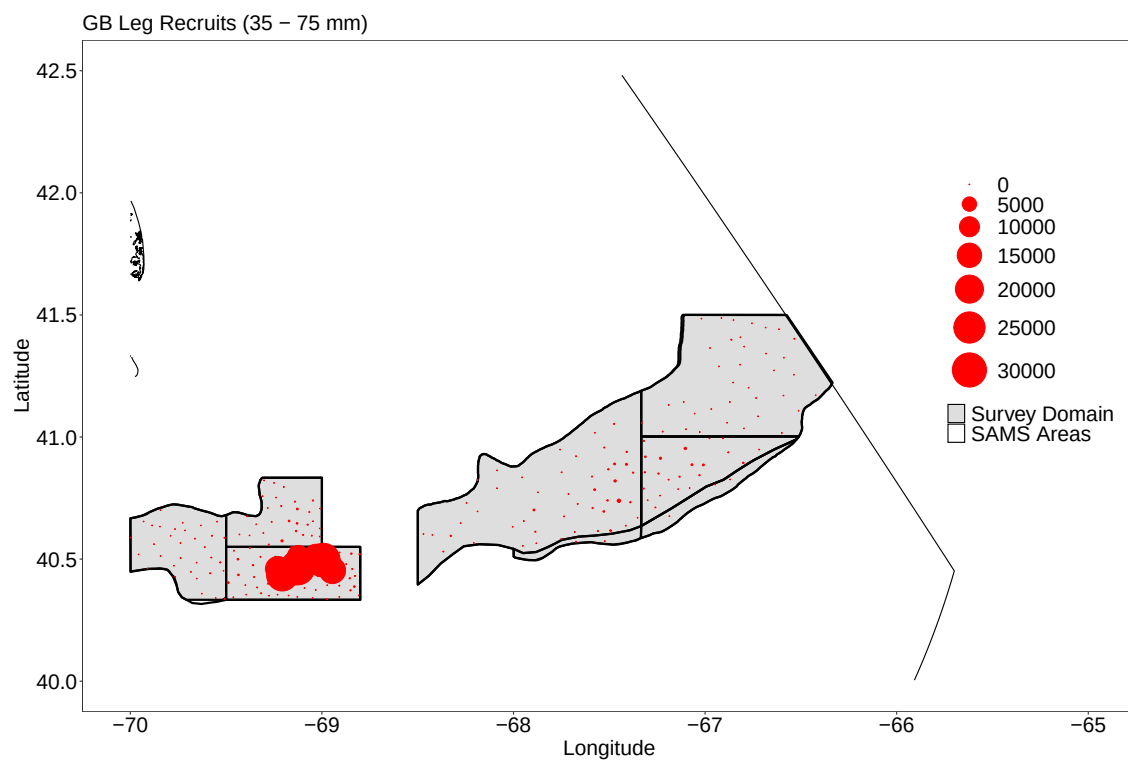


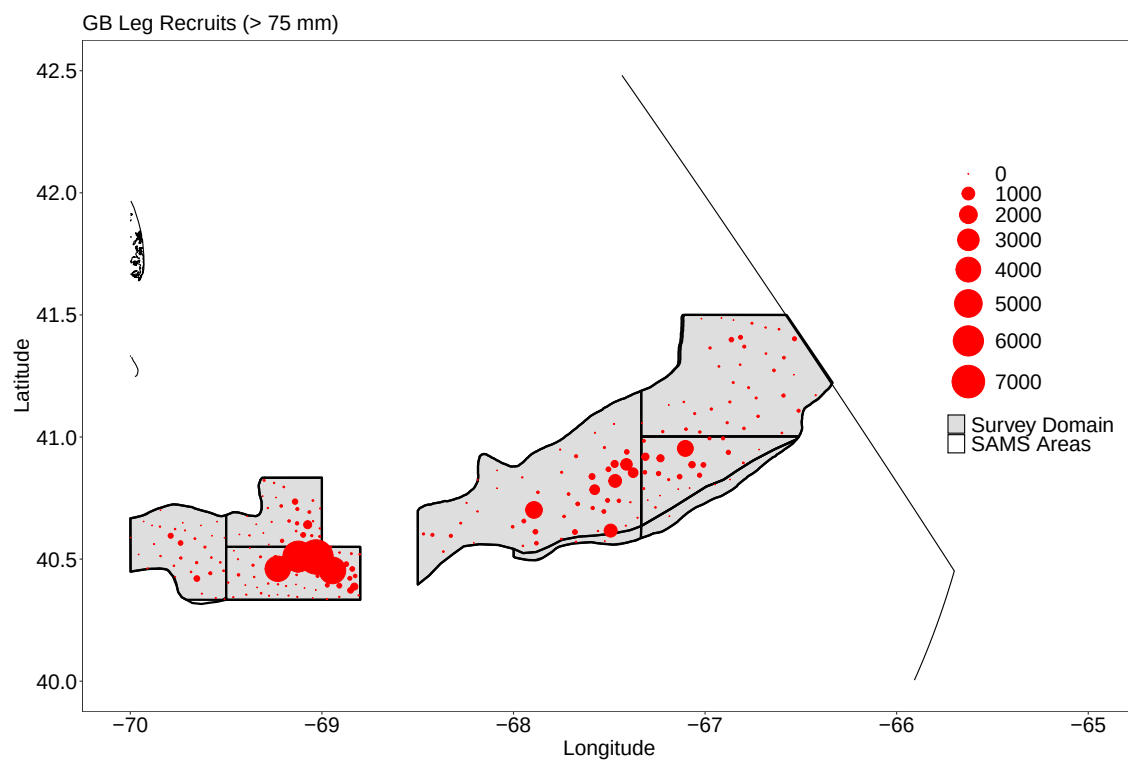


Georges Bank Leg





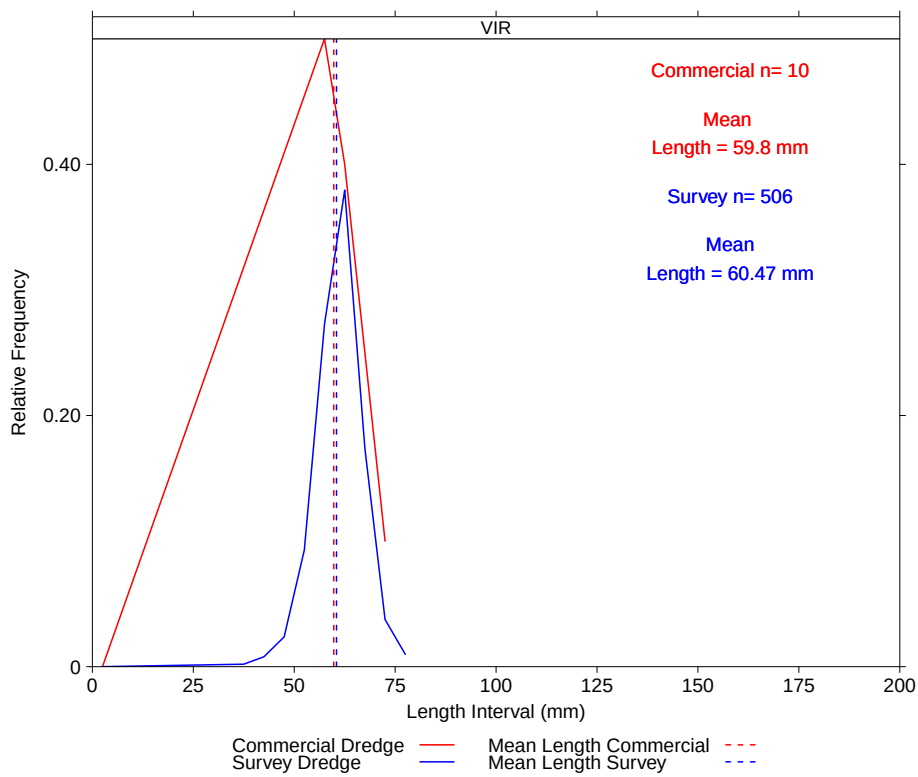




3. LENGTH FREQUENCY PLOTS BY SAMS AREA

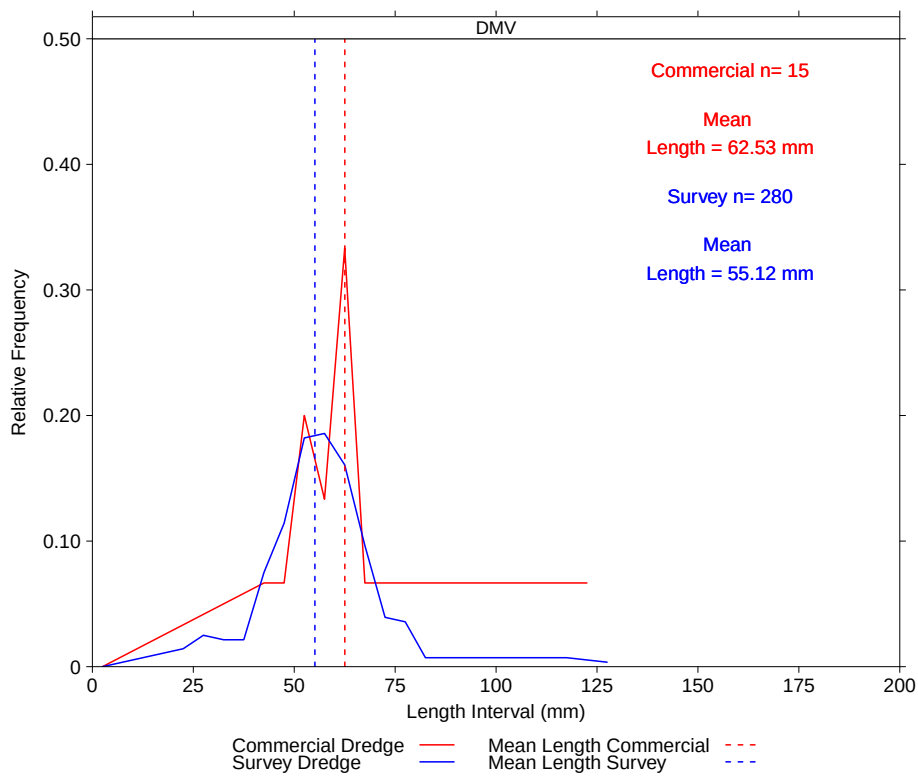
MAB Legs

Number Caught at Length by Gear
 Left – Relative Length Frequency Graph
 Right – Expanded Number of Scallops Caught at Length Table



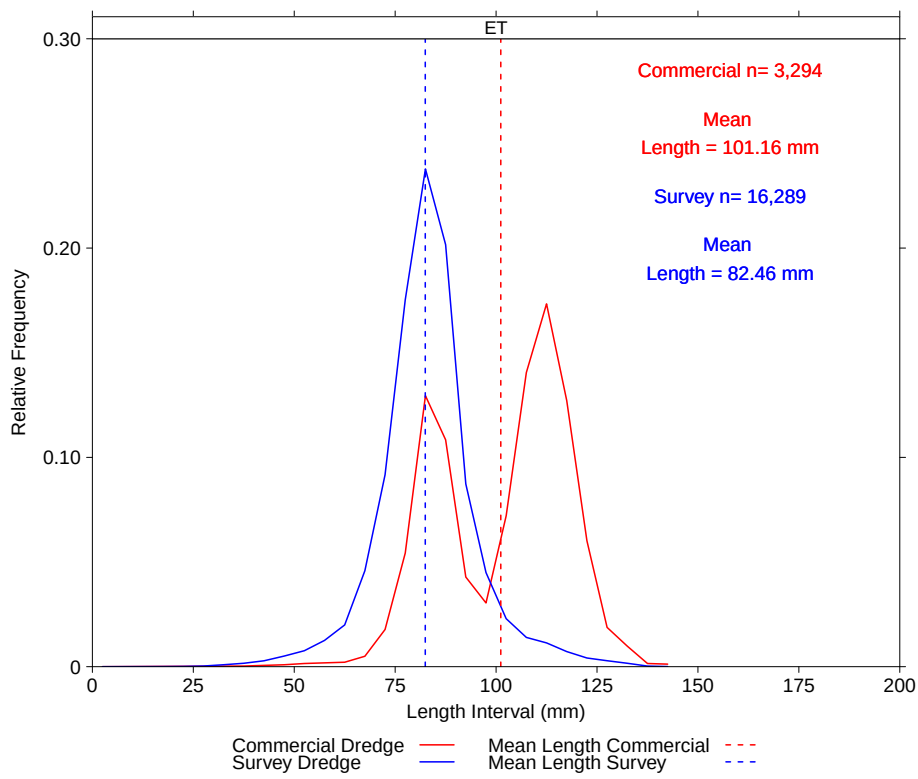
SAMS_Area	Length	Commercial	Survey
VIR	37.5	0	1
VIR	42.5	0	4
VIR	47.5	0	12
VIR	52.5	0	47
VIR	57.5	5	138
VIR	62.5	4	192
VIR	67.5	0	88
VIR	72.5	1	19
VIR	77.5	0	5

Number Caught at Length by Gear
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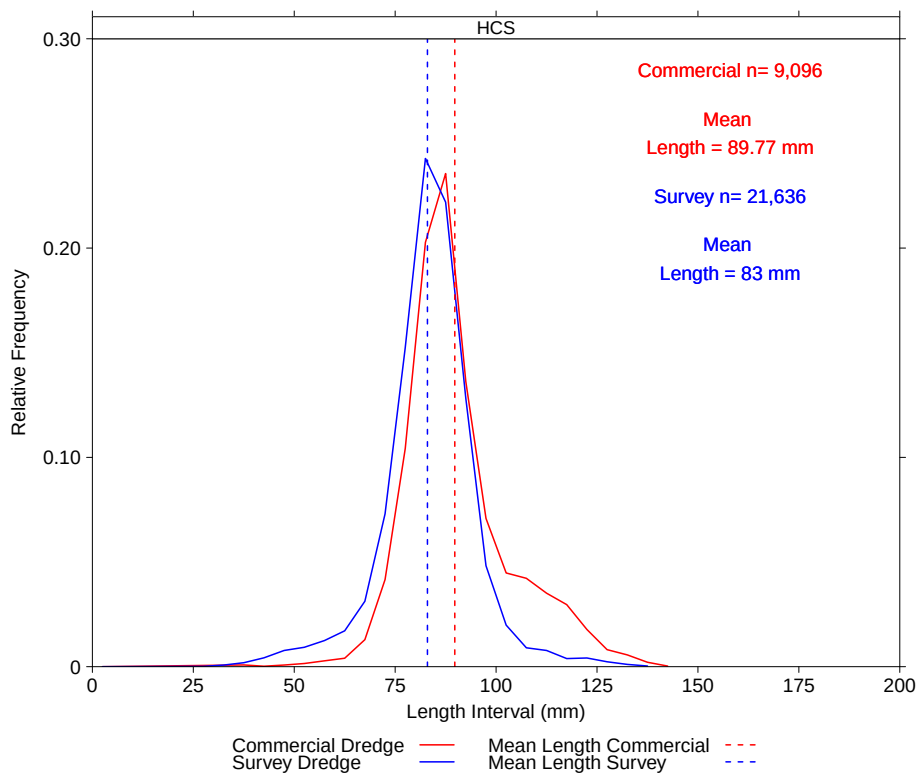
SAMS_Area	Length	Commercial	Survey
DMV	17.5	0	3
DMV	22.5	0	4
DMV	27.5	0	7
DMV	32.5	0	6
DMV	37.5	0	6
DMV	42.5	1	21
DMV	47.5	1	32
DMV	52.5	3	51
DMV	57.5	2	52
DMV	62.5	5	45
DMV	67.5	1	27
DMV	72.5	1	11
DMV	77.5	0	10
DMV	82.5	0	2
DMV	117.5	0	2
DMV	122.5	1	0
DMV	127.5	0	1

Number Caught at Length by Gear
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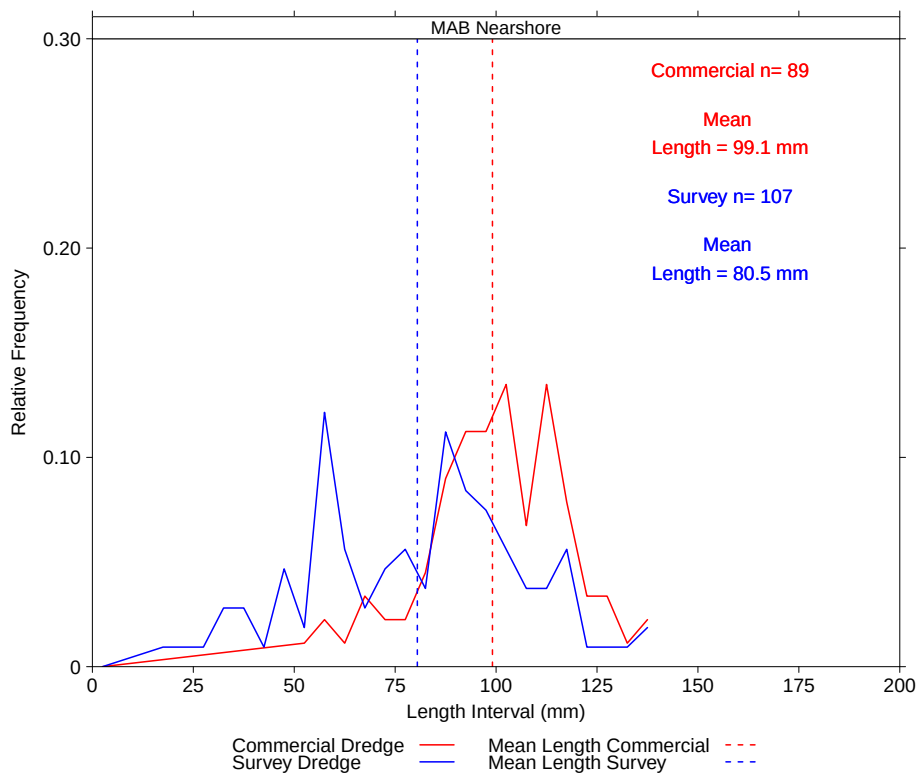
SAMS_Area	Length	Commercial	Survey
ET	17.5	0	1
ET	22.5	0	2
ET	27.5	0	5
ET	32.5	0	15
ET	37.5	1	26
ET	42.5	2	46
ET	47.5	3	82
ET	52.5	5	124
ET	57.5	6	204
ET	62.5	7	325
ET	67.5	16	747
ET	72.5	58	1,494
ET	77.5	179	2,855
ET	82.5	426	3,874
ET	87.5	357	3,284
ET	92.5	141	1,422
ET	97.5	100	733
ET	102.5	238	374
ET	107.5	463	228
ET	112.5	571	185
ET	117.5	419	118
ET	122.5	198	68
ET	127.5	62	46
ET	132.5	32	26
ET	137.5	5	5
ET	142.5	4	1

Number Caught at Length by Gear
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Right – Expanded Number of Scallops Caught at Length Table



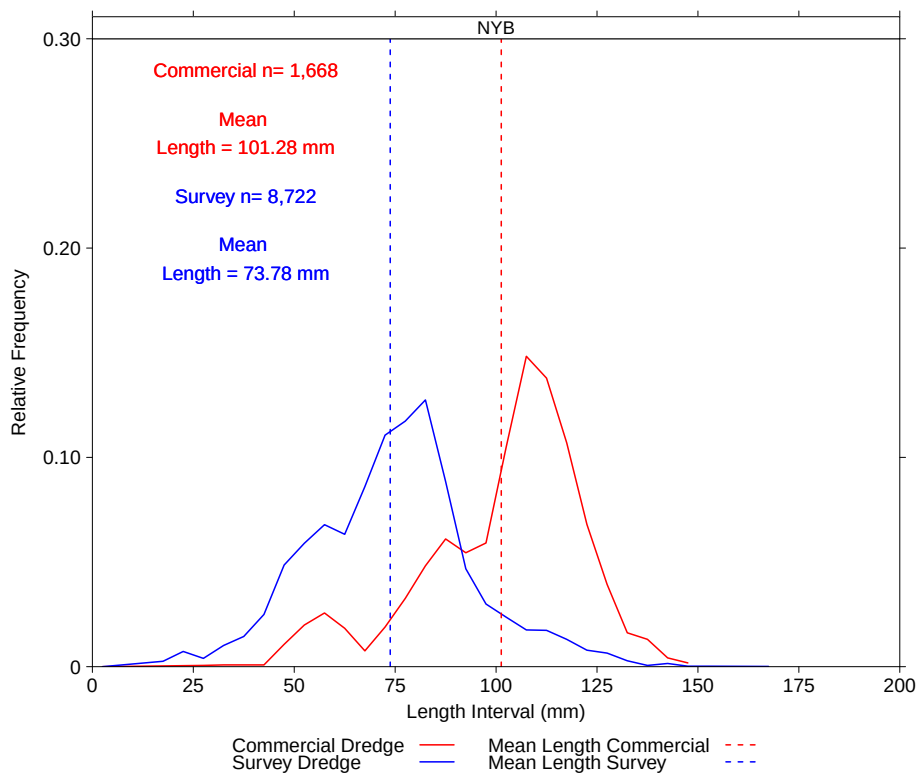
SAMS_Area	Length	Commercial	Survey
HCS	27.5	0	3
HCS	32.5	0	17
HCS	37.5	8	41
HCS	42.5	2	91
HCS	47.5	7	167
HCS	52.5	14	200
HCS	57.5	25	270
HCS	62.5	37	371
HCS	67.5	117	676
HCS	72.5	378	1,580
HCS	77.5	948	3,299
HCS	82.5	1,844	5,254
HCS	87.5	2,143	4,802
HCS	92.5	1,240	2,775
HCS	97.5	644	1,043
HCS	102.5	407	430
HCS	107.5	384	195
HCS	112.5	319	168
HCS	117.5	270	84
HCS	122.5	162	90
HCS	127.5	74	51
HCS	132.5	51	24
HCS	137.5	19	7
HCS	142.5	3	0

Number Caught at Length by Gear
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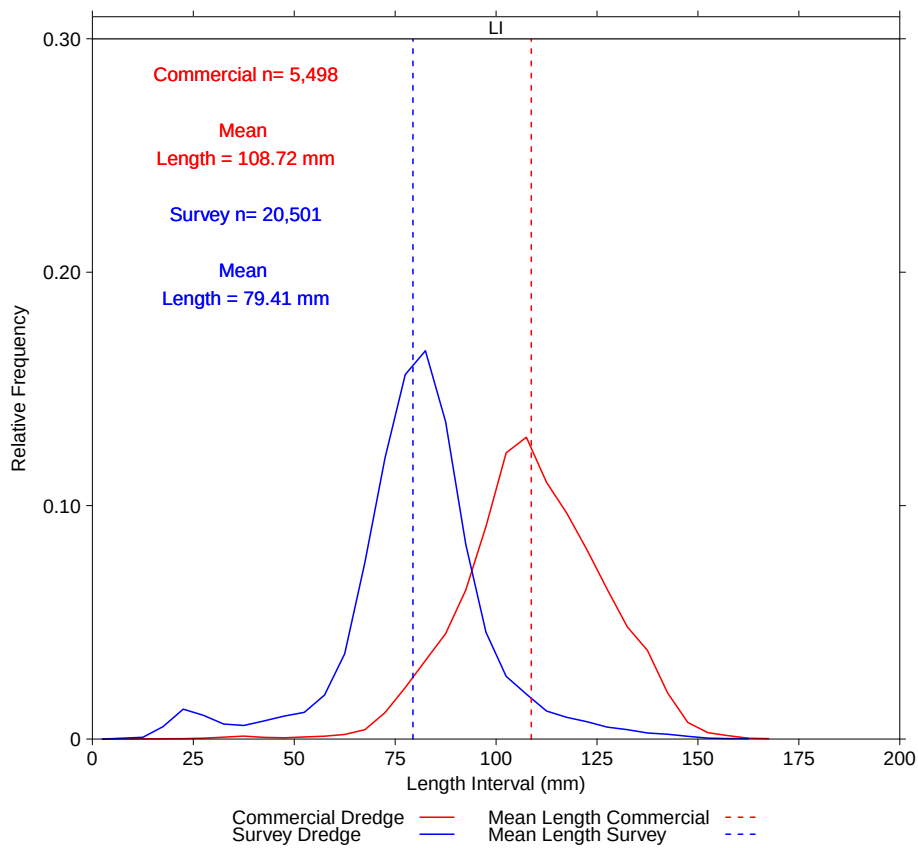
SAMS_Area	Length	Commercial	Survey
MAB_Nearshore	17.5	0	1
MAB_Nearshore	27.5	0	1
MAB_Nearshore	32.5	0	3
MAB_Nearshore	37.5	0	3
MAB_Nearshore	42.5	0	1
MAB_Nearshore	47.5	0	5
MAB_Nearshore	52.5	1	2
MAB_Nearshore	57.5	2	13
MAB_Nearshore	62.5	1	6
MAB_Nearshore	67.5	3	3
MAB_Nearshore	72.5	2	5
MAB_Nearshore	77.5	2	6
MAB_Nearshore	82.5	4	4
MAB_Nearshore	87.5	8	12
MAB_Nearshore	92.5	10	9
MAB_Nearshore	97.5	10	8
MAB_Nearshore	102.5	12	6
MAB_Nearshore	107.5	6	4
MAB_Nearshore	112.5	12	4
MAB_Nearshore	117.5	7	6
MAB_Nearshore	122.5	3	1
MAB_Nearshore	127.5	3	1
MAB_Nearshore	132.5	1	1
MAB_Nearshore	137.5	2	2

Number Caught at Length by Gear
 Left – Relative Length Frequency Graph
 Right – Expanded Number of Scallops Caught at Length Table



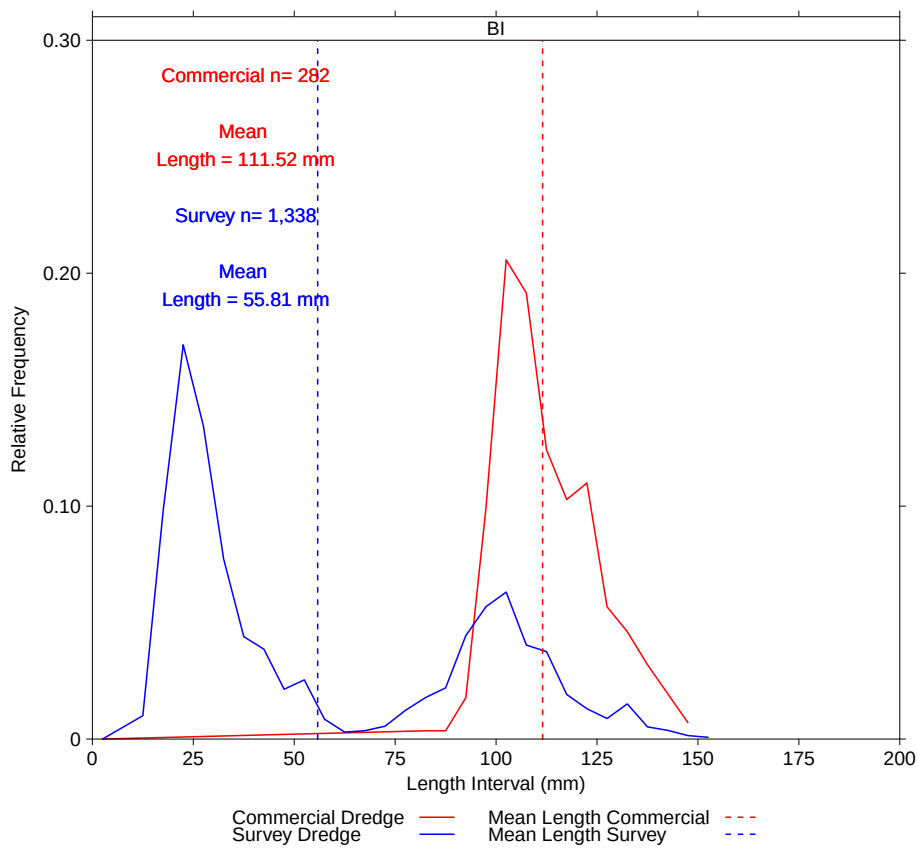
SAMS_Area	Length	Commercial	Survey
NYB	17.5	0	22
NYB	22.5	0	63
NYB	27.5	1	35
NYB	32.5	1	88
NYB	37.5	1	126
NYB	42.5	1	218
NYB	47.5	18	424
NYB	52.5	33	514
NYB	57.5	43	592
NYB	62.5	31	552
NYB	67.5	13	750
NYB	72.5	32	965
NYB	77.5	54	1,023
NYB	82.5	80	1,112
NYB	87.5	102	771
NYB	92.5	91	408
NYB	97.5	99	261
NYB	102.5	175	206
NYB	107.5	247	153
NYB	112.5	230	151
NYB	117.5	178	114
NYB	122.5	113	69
NYB	127.5	66	57
NYB	132.5	27	25
NYB	137.5	22	5
NYB	142.5	7	13
NYB	147.5	3	2
NYB	152.5	0	2
NYB	167.5	0	1

Number Caught at Length by Gear
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Right – Expanded Number of Scallops Caught at Length Table



SAMS Area	Length	Commercial	Survey
LI	12.5	0	15
LI	17.5	0	109
LI	22.5	1	262
LI	27.5	2	208
LI	32.5	0	132
LI	37.5	7	119
LI	42.5	4	159
LI	47.5	3	202
LI	52.5	5	235
LI	57.5	7	386
LI	62.5	11	749
LI	67.5	22	1,550
LI	72.5	62	2,471
LI	77.5	121	3,201
LI	82.5	185	3,410
LI	87.5	248	2,787
LI	92.5	351	1,709
LI	97.5	501	937
LI	102.5	674	551
LI	107.5	711	395
LI	112.5	605	246
LI	117.5	532	191
LI	122.5	446	152
LI	127.5	353	105
LI	132.5	264	83
LI	137.5	209	53
LI	142.5	108	42
LI	147.5	39	24
LI	152.5	15	8
LI	157.5	8	4
LI	162.5	2	4
LI	167.5	1	0

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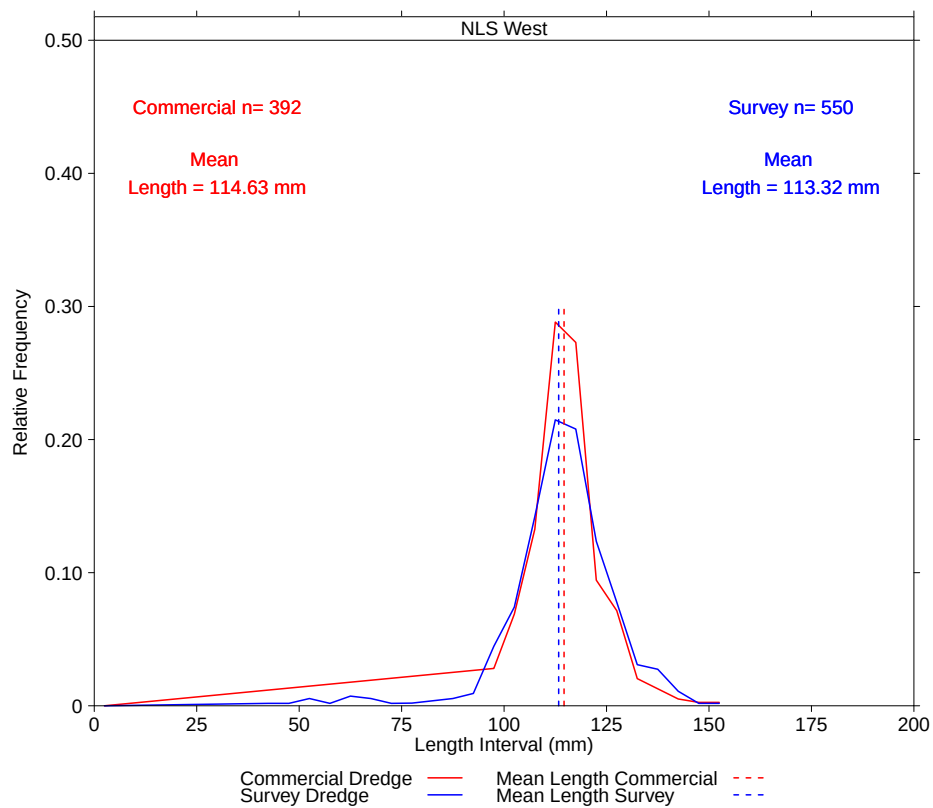
SAMS_Area	Length	Commercial	Survey
BI	12.5	0	13
BI	17.5	0	130
BI	22.5	0	226
BI	27.5	0	180
BI	32.5	0	104
BI	37.5	0	59
BI	42.5	0	52
BI	47.5	0	29
BI	52.5	0	34
BI	57.5	0	11
BI	62.5	0	4
BI	67.5	0	5
BI	72.5	0	7
BI	77.5	0	16
BI	82.5	1	24
BI	87.5	1	29
BI	92.5	5	59
BI	97.5	28	76
BI	102.5	58	84
BI	107.5	54	54
BI	112.5	35	50
BI	117.5	29	26
BI	122.5	31	17
BI	127.5	16	12
BI	132.5	13	20
BI	137.5	9	7
BI	142.5	0	5
BI	147.5	2	2
BI	152.5	0	1

Georges Bank Leg

Number Caught at Length by Gear

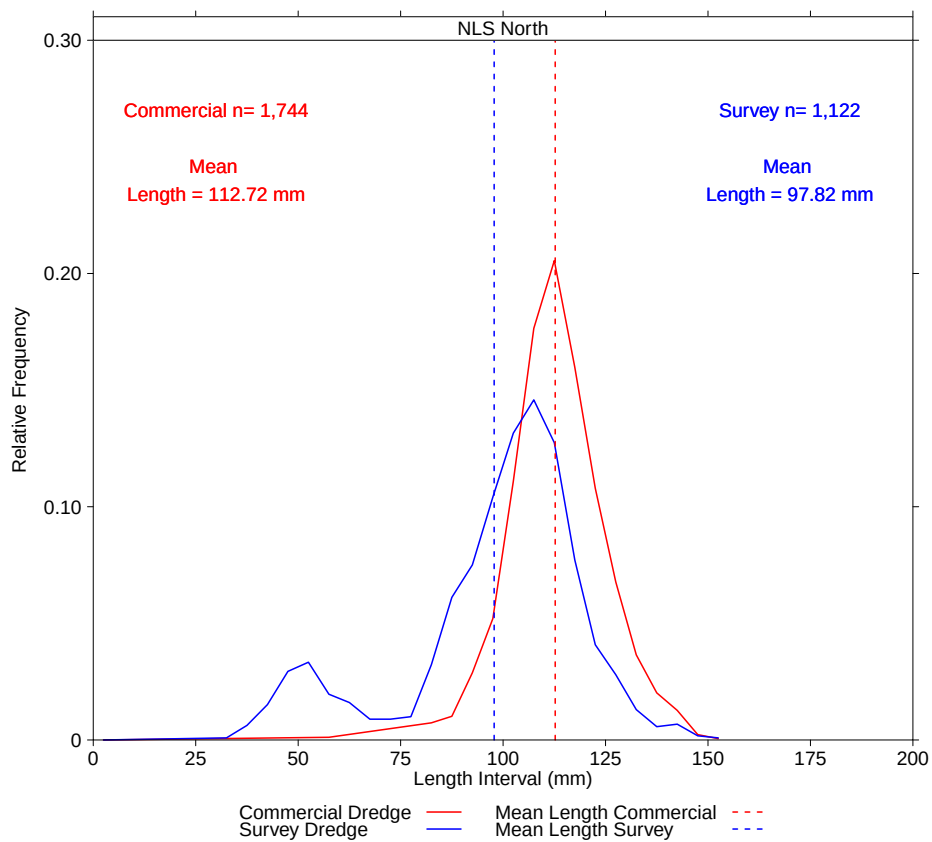
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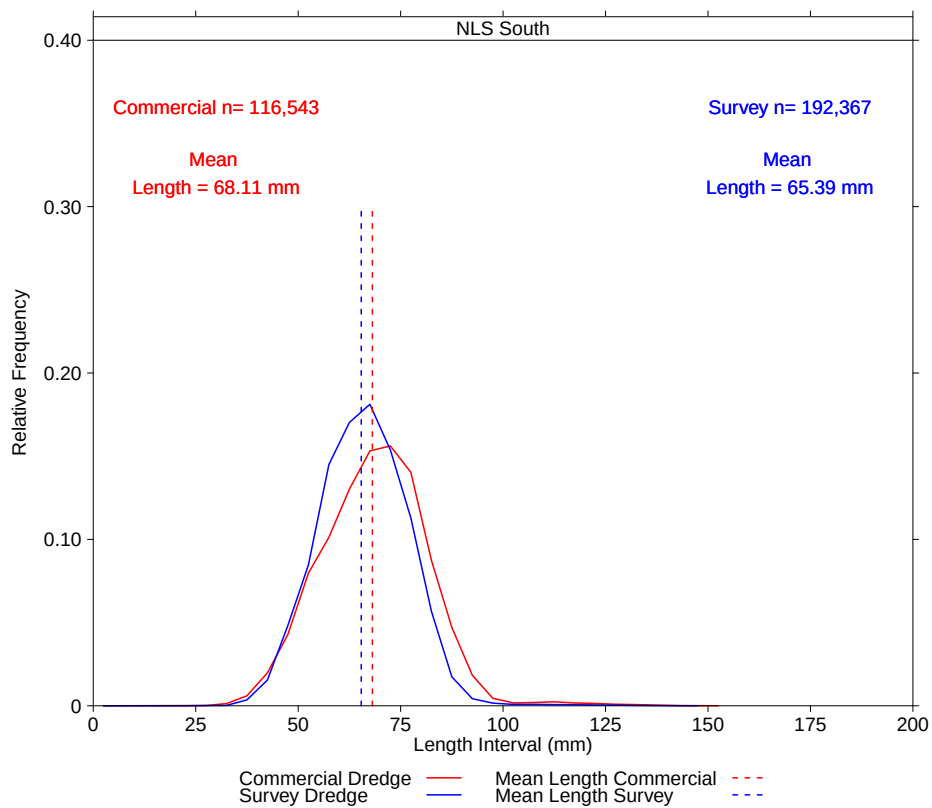
SAMS_Area	Length	Commercial	Survey
NLS_West	42.5	0	1
NLS_West	47.5	0	1
NLS_West	52.5	0	3
NLS_West	57.5	0	1
NLS_West	62.5	0	4
NLS_West	67.5	0	3
NLS_West	72.5	0	1
NLS_West	77.5	0	1
NLS_West	87.5	0	3
NLS_West	92.5	0	5
NLS_West	97.5	11	25
NLS_West	102.5	27	41
NLS_West	107.5	52	78
NLS_West	112.5	113	118
NLS_West	117.5	107	114
NLS_West	122.5	37	68
NLS_West	127.5	28	43
NLS_West	132.5	8	17
NLS_West	137.5	5	15
NLS_West	142.5	2	6
NLS_West	147.5	1	1
NLS_West	152.5	1	1

Number Caught at Length by Gear
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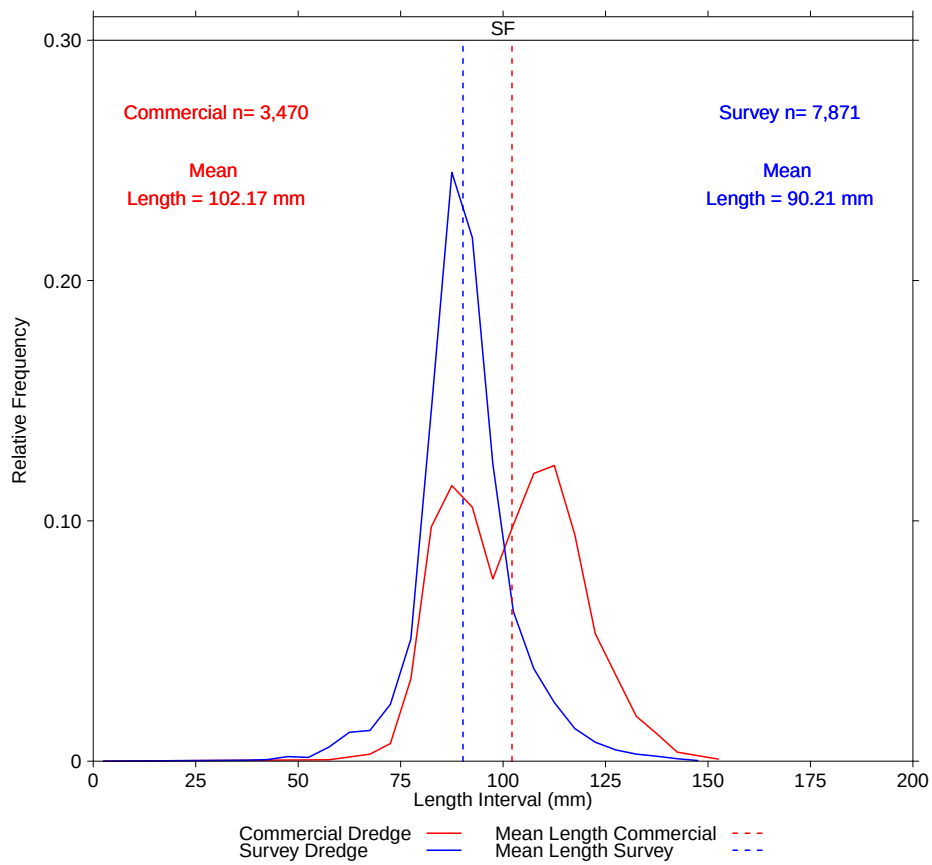
SAMS_Area	Length	Commercial	Survey
NLS_North	32.5	0	1
NLS_North	37.5	0	7
NLS_North	42.5	0	17
NLS_North	47.5	0	33
NLS_North	52.5	0	37
NLS_North	57.5	2	22
NLS_North	62.5	0	18
NLS_North	67.5	0	10
NLS_North	72.5	0	10
NLS_North	77.5	0	11
NLS_North	82.5	13	36
NLS_North	87.5	18	69
NLS_North	92.5	50	84
NLS_North	97.5	91	117
NLS_North	102.5	193	148
NLS_North	107.5	308	164
NLS_North	112.5	358	143
NLS_North	117.5	279	87
NLS_North	122.5	188	46
NLS_North	127.5	118	31
NLS_North	132.5	64	15
NLS_North	137.5	35	6
NLS_North	142.5	22	8
NLS_North	147.5	4	2
NLS_North	152.5	1	1

Number Caught at Length by Gear
Left – Relative Length Frequency Graph
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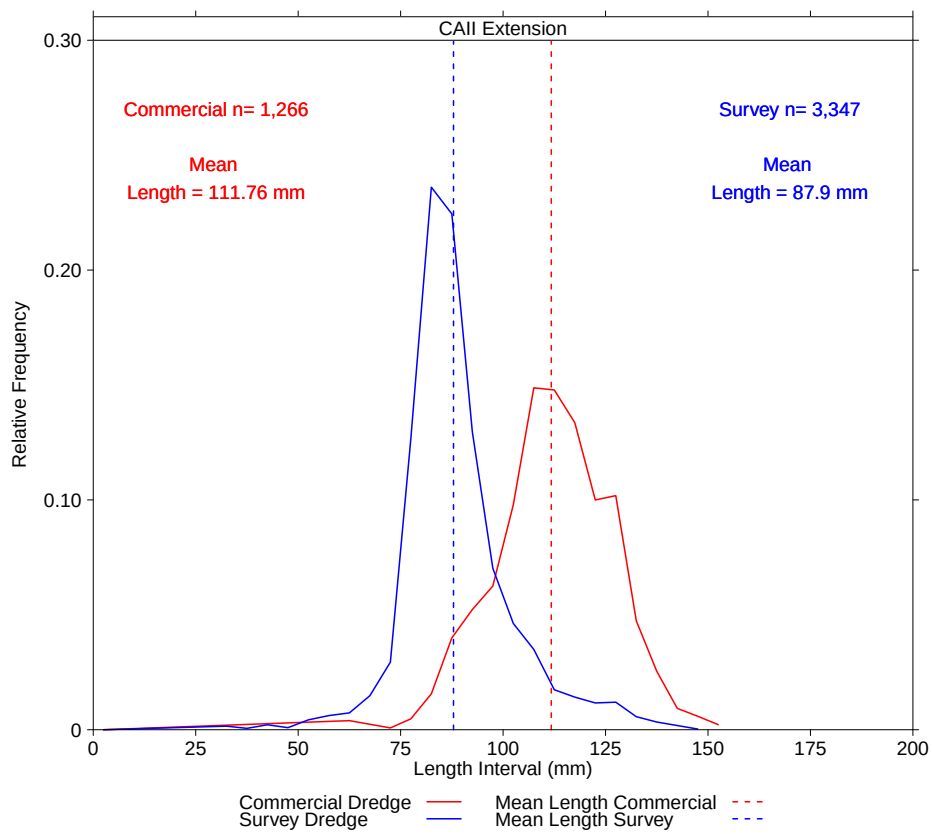
SAMS_Area	Length	Commercial	Survey
NLS_South	17.5	0	1
NLS_South	22.5	0	1
NLS_South	27.5	19	28
NLS_South	32.5	152	44
NLS_South	37.5	702	682
NLS_South	42.5	2,308	2,979
NLS_South	47.5	5,002	9,305
NLS_South	52.5	9,292	16,290
NLS_South	57.5	11,804	27,898
NLS_South	62.5	15,174	32,758
NLS_South	67.5	17,852	34,855
NLS_South	72.5	18,201	29,568
NLS_South	77.5	16,352	21,712
NLS_South	82.5	10,206	10,948
NLS_South	87.5	5,487	3,341
NLS_South	92.5	2,134	819
NLS_South	97.5	521	308
NLS_South	102.5	201	157
NLS_South	107.5	230	168
NLS_South	112.5	279	140
NLS_South	117.5	197	121
NLS_South	122.5	164	95
NLS_South	127.5	106	80
NLS_South	132.5	82	43
NLS_South	137.5	48	20
NLS_South	142.5	18	6
NLS_South	147.5	8	1
NLS_South	152.5	1	0

Number Caught at Length by Gear
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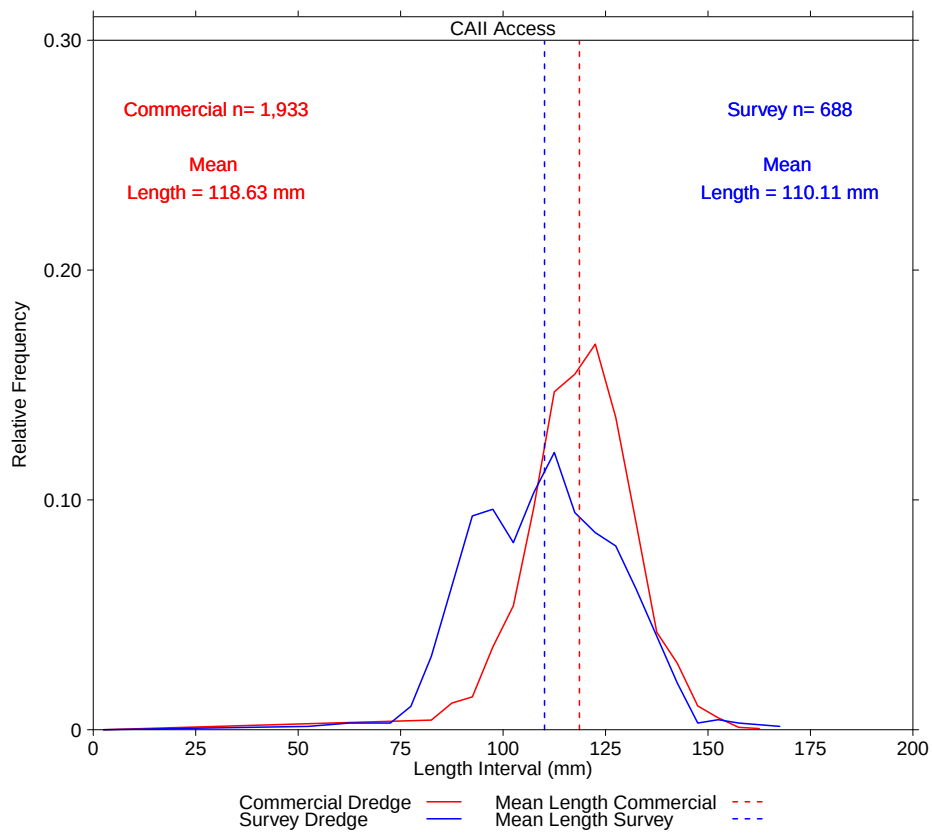
SAMS Area	Length	Commercial	Survey
SF	37.5	0	3
SF	42.5	0	5
SF	47.5	0	15
SF	52.5	0	12
SF	57.5	2	46
SF	62.5	0	94
SF	67.5	10	100
SF	72.5	25	186
SF	77.5	119	400
SF	82.5	338	1,151
SF	87.5	398	1,928
SF	92.5	367	1,715
SF	97.5	263	974
SF	102.5	341	490
SF	107.5	416	303
SF	112.5	427	192
SF	117.5	327	107
SF	122.5	184	62
SF	127.5	124	37
SF	132.5	65	23
SF	137.5	40	16
SF	142.5	13	8
SF	147.5	8	2
SF	152.5	3	0

Number Caught at Length by Gear
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Right – Expanded Number of Scallops Caught at Length Table



SAMS_Area	Length	Commercial	Survey
CAII_Ext	32.5	0	5
CAII_Ext	37.5	0	2
CAII_Ext	42.5	0	7
CAII_Ext	47.5	0	3
CAII_Ext	52.5	0	14
CAII_Ext	57.5	0	21
CAII_Ext	62.5	5	24
CAII_Ext	67.5	0	50
CAII_Ext	72.5	1	98
CAII_Ext	77.5	6	424
CAII_Ext	82.5	20	790
CAII_Ext	87.5	51	751
CAII_Ext	92.5	66	434
CAII_Ext	97.5	79	235
CAII_Ext	102.5	124	155
CAII_Ext	107.5	188	117
CAII_Ext	112.5	187	58
CAII_Ext	117.5	169	48
CAII_Ext	122.5	127	39
CAII_Ext	127.5	129	40
CAII_Ext	132.5	60	19
CAII_Ext	137.5	32	11
CAII_Ext	142.5	12	0
CAII_Ext	147.5	7	1
CAII_Ext	152.5	3	0

Number Caught at Length by Gear
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SAMS_Area	Length	Commercial	Survey
CAII_Access	52.5	0	1
CAII_Access	62.5	0	2
CAII_Access	72.5	0	2
CAII_Access	77.5	0	7
CAII_Access	82.5	8	22
CAII_Access	87.5	22	43
CAII_Access	92.5	28	64
CAII_Access	97.5	70	66
CAII_Access	102.5	104	56
CAII_Access	107.5	187	71
CAII_Access	112.5	284	83
CAII_Access	117.5	299	65
CAII_Access	122.5	324	59
CAII_Access	127.5	263	55
CAII_Access	132.5	173	42
CAII_Access	137.5	82	28
CAII_Access	142.5	56	14
CAII_Access	147.5	20	2
CAII_Access	152.5	10	3
CAII_Access	157.5	2	2
CAII_Access	162.5	1	0
CAII_Access	167.5	0	1

4 ADDITIONAL ANALYSES

Comparison of NLS-South biomass estimates using the 2025 RTA SH/MW, VIMS 16-23,25 SH/MW, and SARC 65 SH/MW equations.

Area	2025 RTS	VIMS 16-23,25	SARC 65
NLS-South	10,296	7,804	8,966

5. SPECIAL COMMENTS

DMV VIR SAMS Areas

While the greatest number of pre-recruits and recruits observed in the DMV and VIR SAMS Areas since 2015 occurred in 2022, these animals were not observed in large numbers in 2023 and biomass in 2025 for both areas remains low (Figure 1). VIMS has observed small numbers of pre-recruits and recruits in the DMV and VIR SAMS Areas over the past few years. We have not seen survival of cohorts in sequential years with the exception of 2025 (Figure 2). The causal mechanism for this is unclear, but may be related to warming bottom water temperature in the southern portion of the resource. This may indicate a high level of natural mortality.

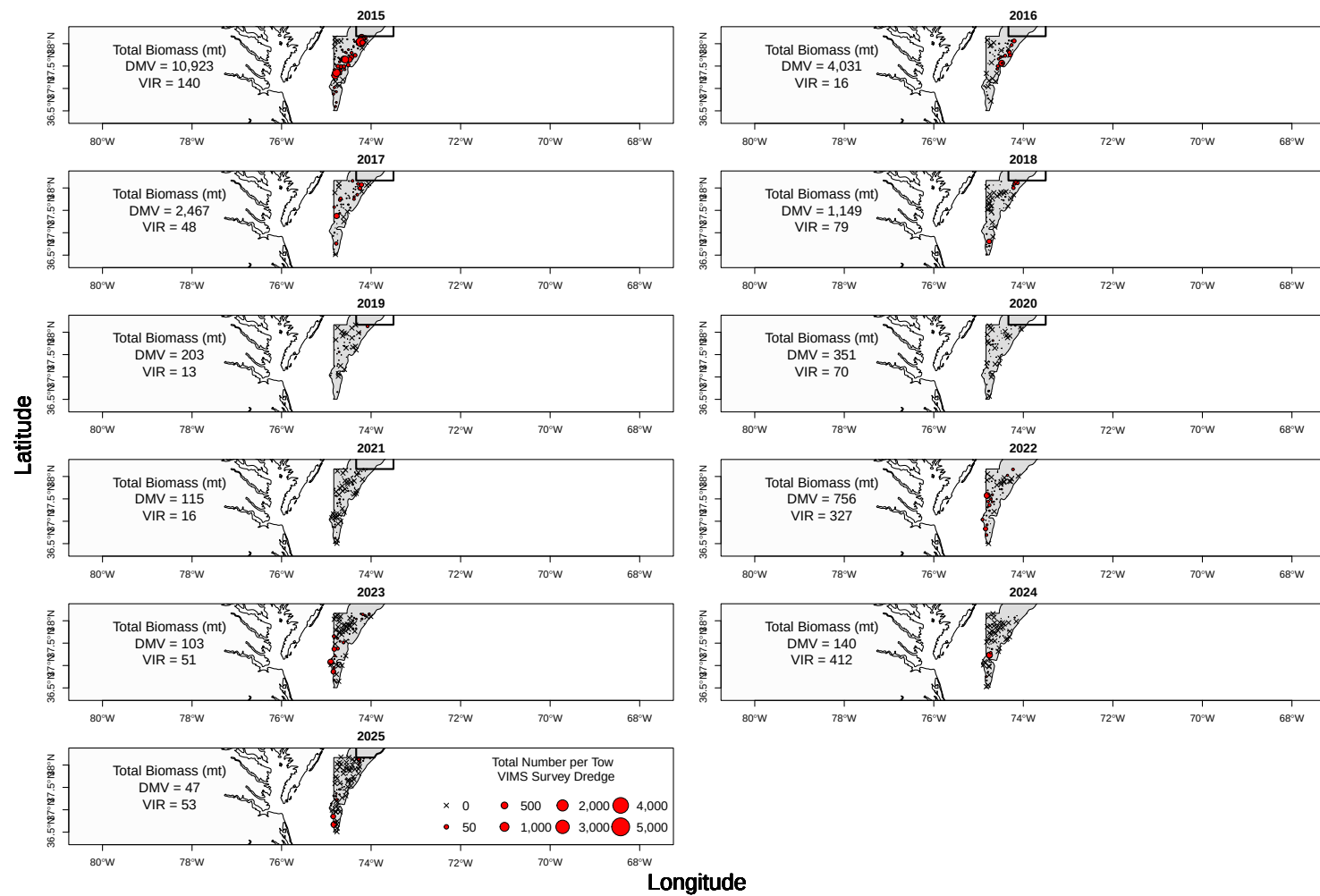


Figure 1: Spatial distribution of scallop catch in numbers by year for 2015 - 2025 from the VIMS dredge survey for the DMV and VIR SAMS Areas. Total biomass estimates (mt) are also provided.

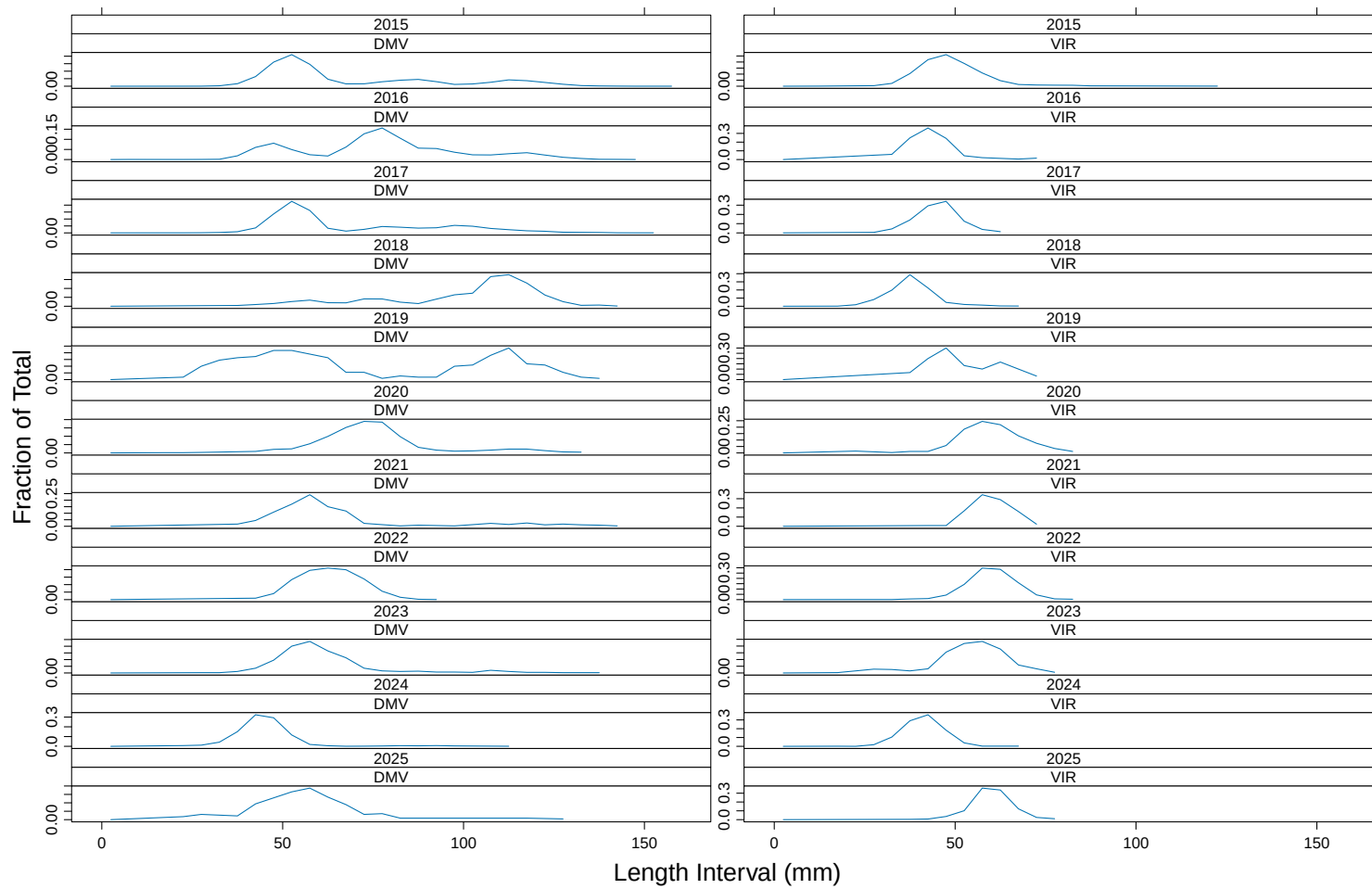


Figure 2: Relative length frequency distributions by year for 2015 - 2025 from the VIMS dredge survey for the DMV and VIR SAMS Areas.

MAB SURVEY NEMATODE DISTRIBUTION

The prevalence and intensity of nematodes present in scallops in the MAB has been monitored by VIMS since 2015. Prevalence is defined as the percent of scallops observed to be infected with nematodes out of all scallops sampled for SHMW analysis at the station-level. Intensity is defined as the mean number of lesions observed in infected scallops. 3-??elow illustrates the spatial distribution of the prevalence of nematode infected scallops observed in the VIMS surveys for 2015 - 2025. The majority of infected scallops have been observed in the southern extent of the resource (VIR, DMV, and the ET SAMS Areas). The ET SAMS Area continues to be identified as a hot spot, with high proportions of infected scallops. No infected scallops have been documented on Georges Bank since 2015.

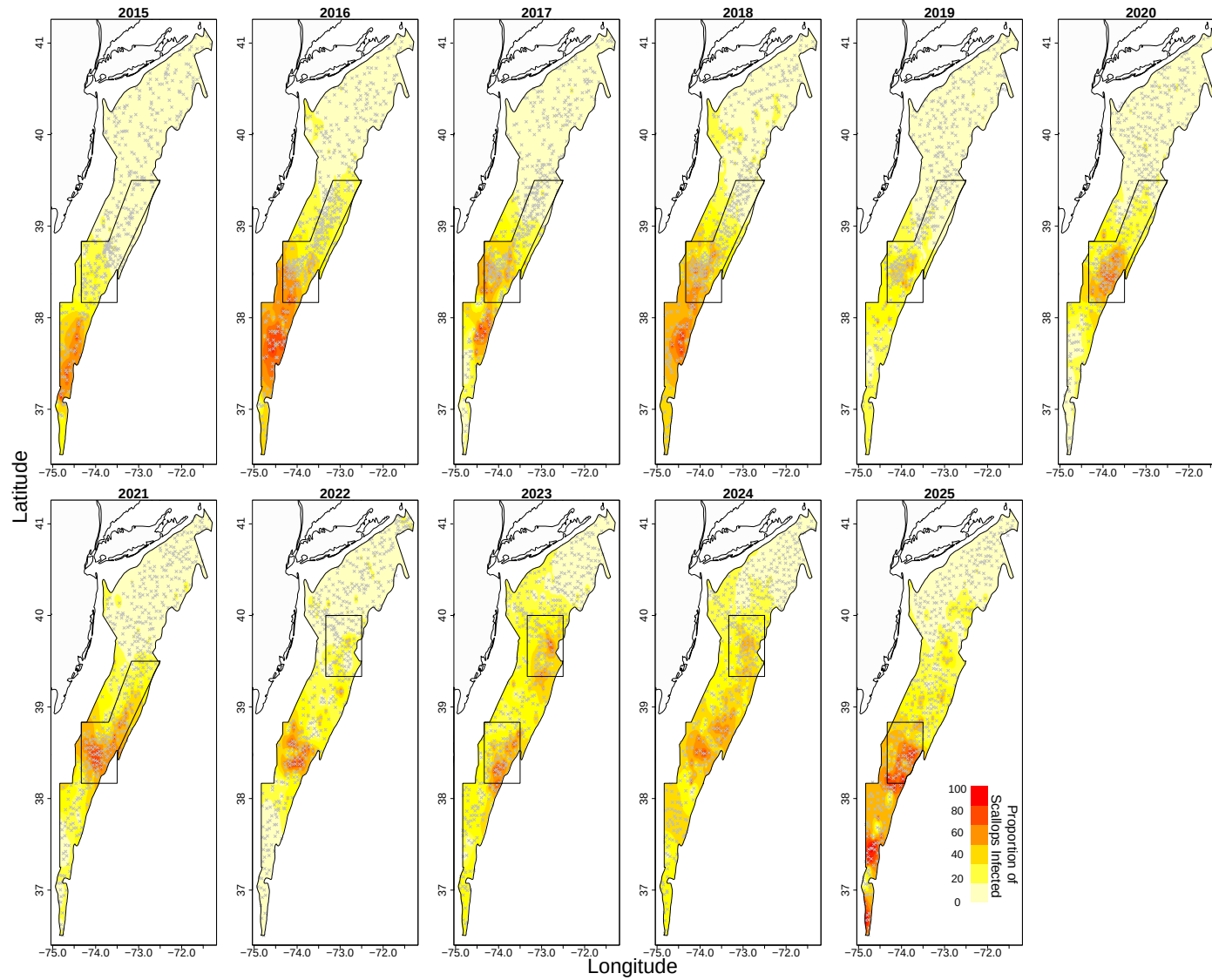
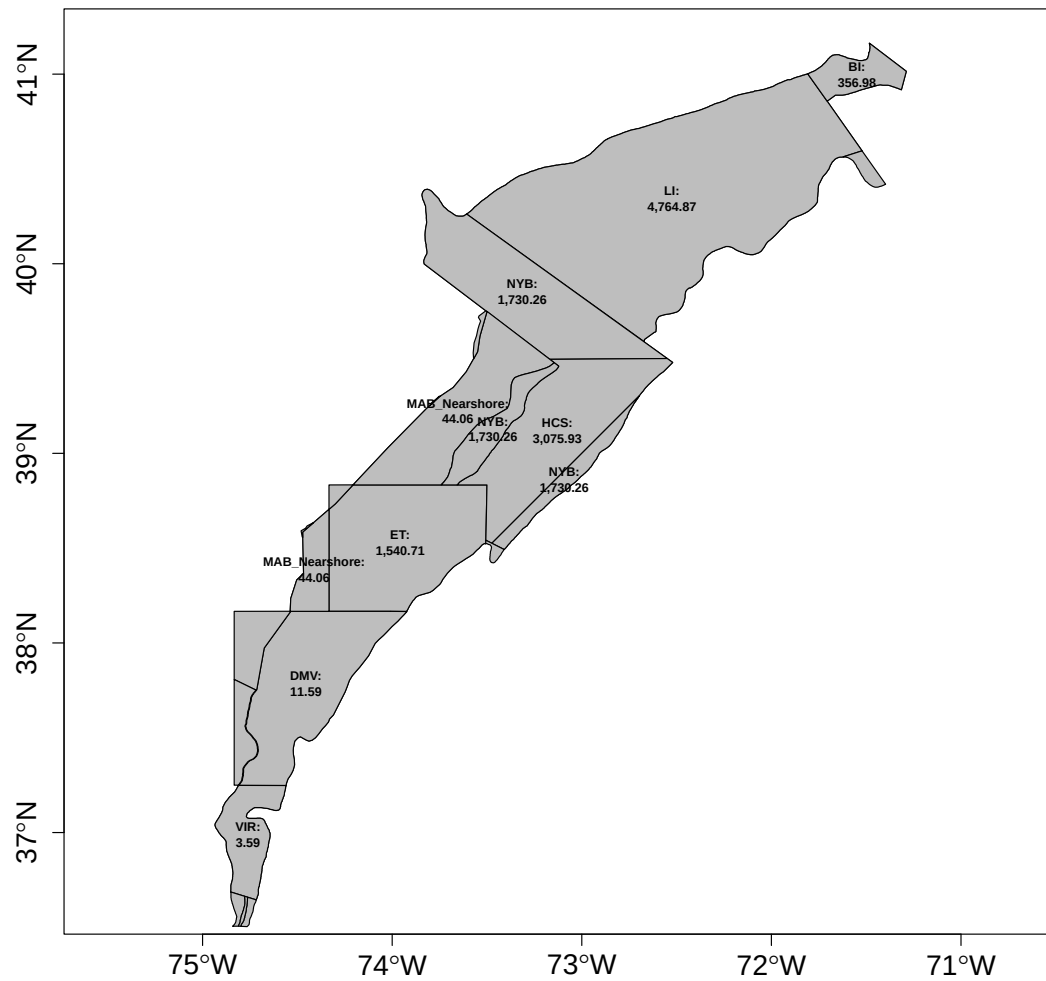


Figure 3: Proportion of nematode infected scallops as a percentage of all scallops assessed during SHMW analysis at the station-level by year for 2015 - 2025 from the VIMS dredge survey.

6. EXPLOITABLE BIOMASS ESTIMATES FOR 2024 (CURRENT FY)

Region	Survey Dredge				Avg. Weight (g)
	Area	Abundance (mil.)	Exploitable Biomass (mt)	SE	
Georges Bank	CL2-Access	16,388,232.86	393.01	21.97	23.94
	CL2-Ext	31,512,783.08	409.22	55.20	12.82
	NLS-North	8,882,917.90	182.10	21.75	20.75
	NLS-South	248,168,183.52	1,141.50	126.69	4.59
	NLS-West	5,901,478.43	157.85	24.94	26.74
	SF	71,196,456.31	1,003.20	80.31	13.16
Mid-Atlantic	BI	14,037,849.98	356.98	87.58	26.39
	LI	280,855,549.60	4,764.87	398.77	17.11
	NYB	105,422,522.01	1,730.26	122.74	17.18
	MAB- Nearshore	1,862,346.65	44.06	6.52	23.68
	HCS	221,069,451.98	3,075.93	287.26	14.19
	ET	106,270,611.62	1,540.71	111.56	14.35
	DMV	790,438.67	11.59	2.90	9.25
	VIR	681,478.12	3.59	0.75	5.26

MAB Exploitable Biomass Estimates by SAMS Area from Survey Dredge



Georges Bank Exploitable Biomass Estimates by SAMS Area from Survey Dredge

