

SMAST 2014 Survey

**August 26, 2014
Scallop PDT Meeting**



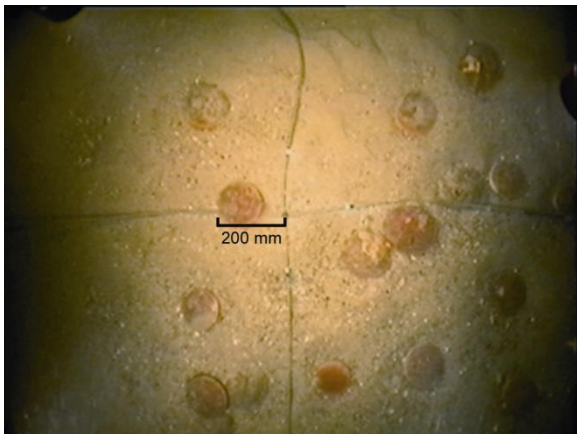
**School for Marine Science and Technology
University of Massachusetts Dartmouth**

Video survey

Digital Still Camera = 1.13 m²



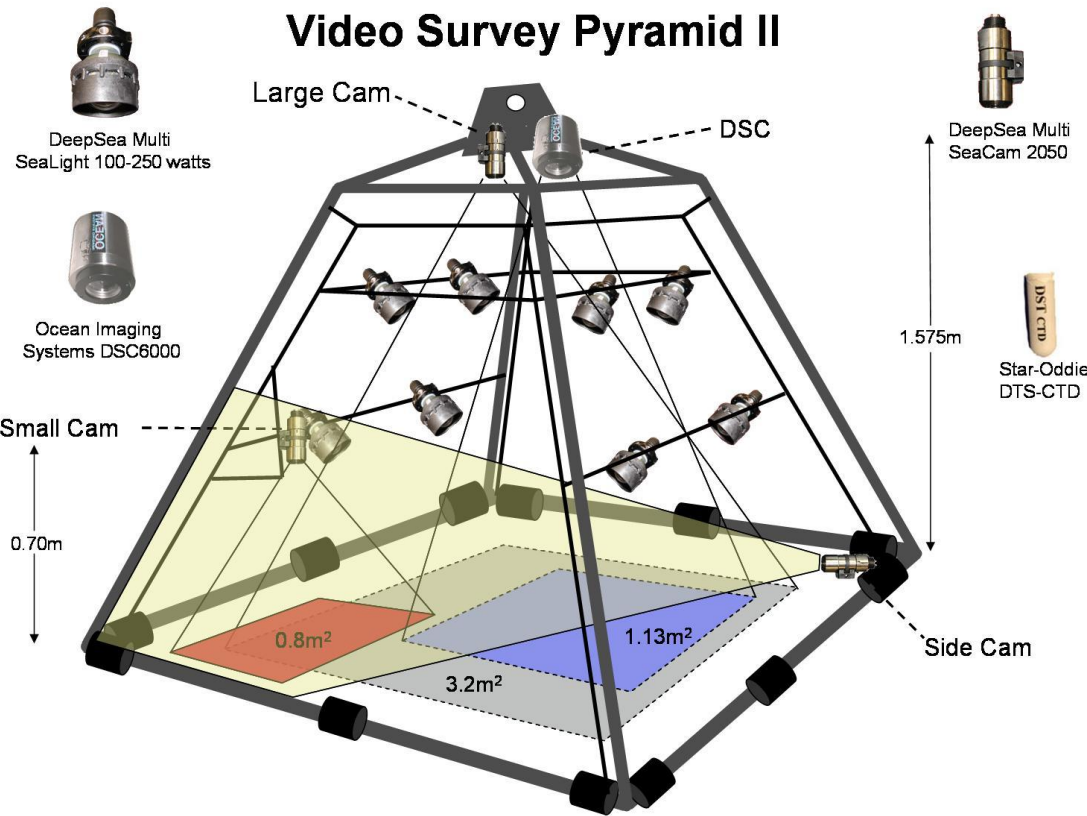
Large Camera = 3.2 m²

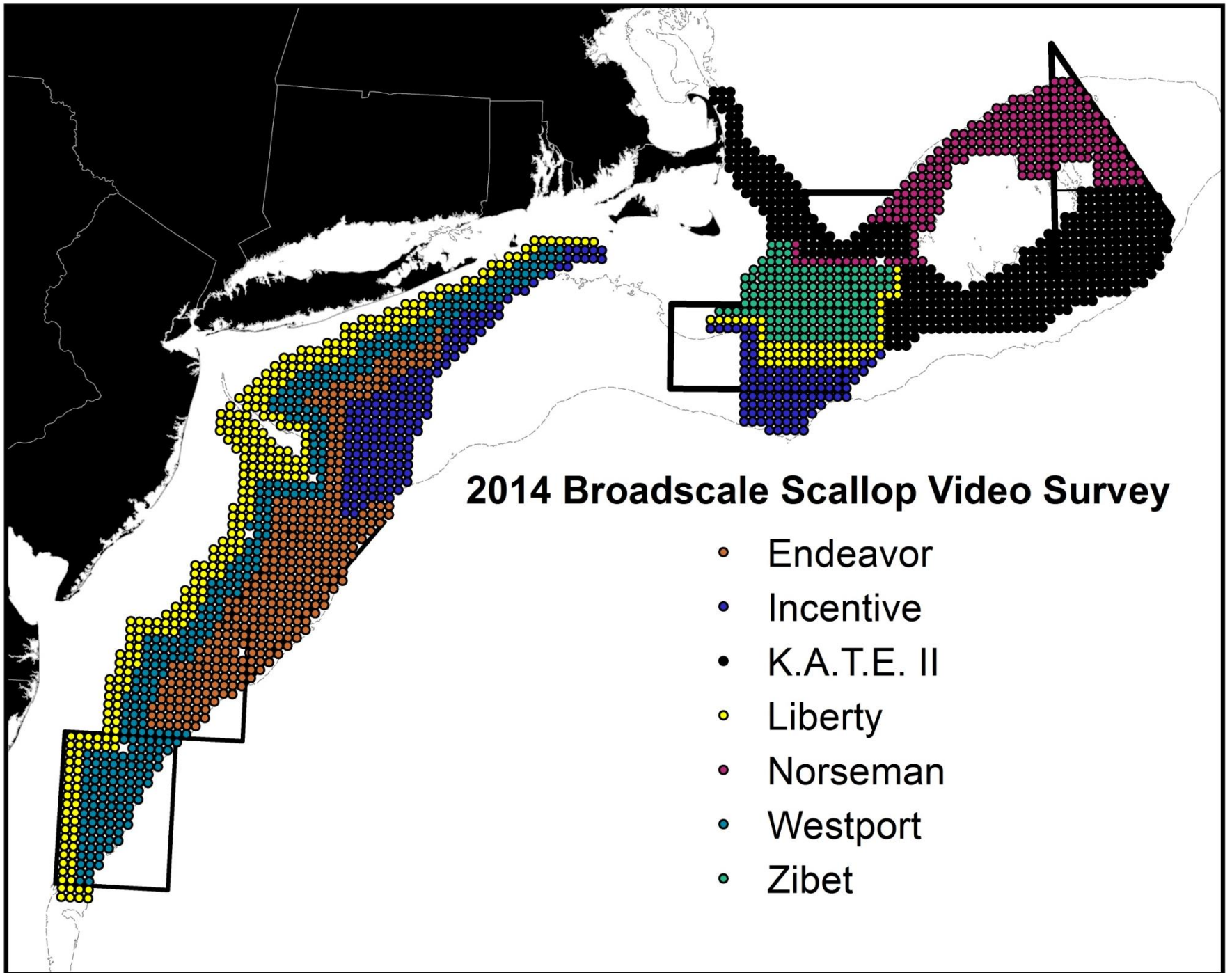


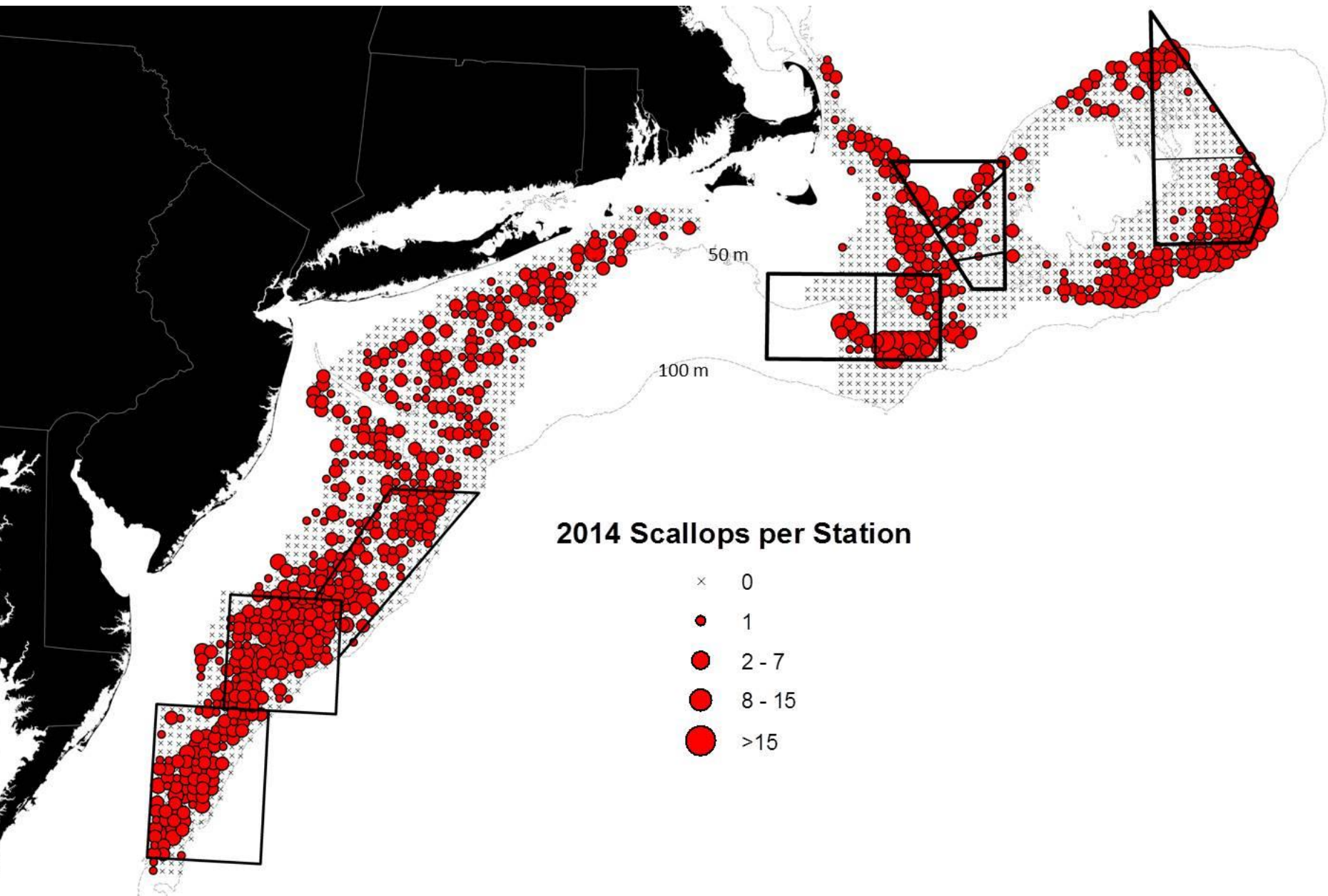
Small Camera = 0.8 m²



Side Camera



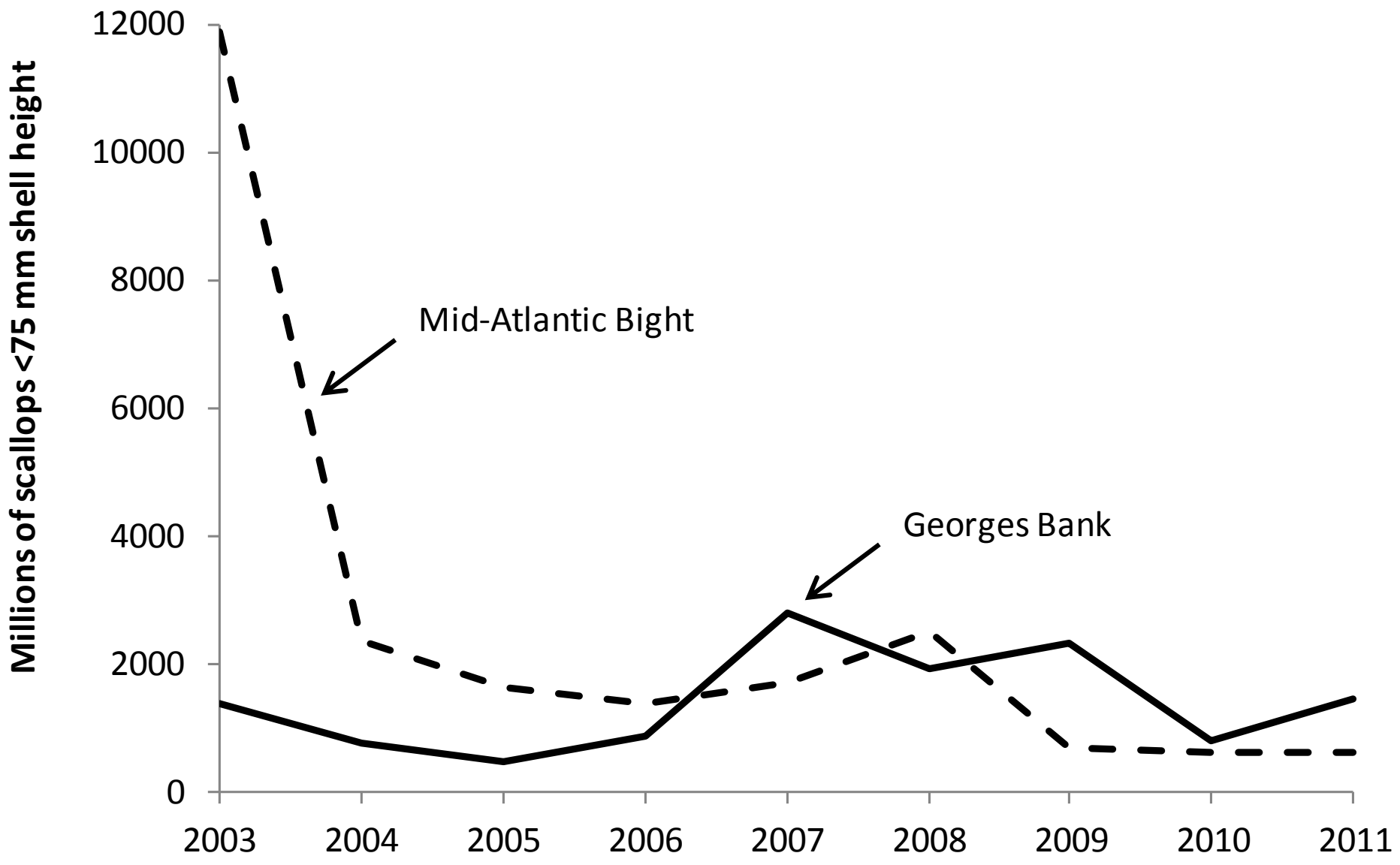


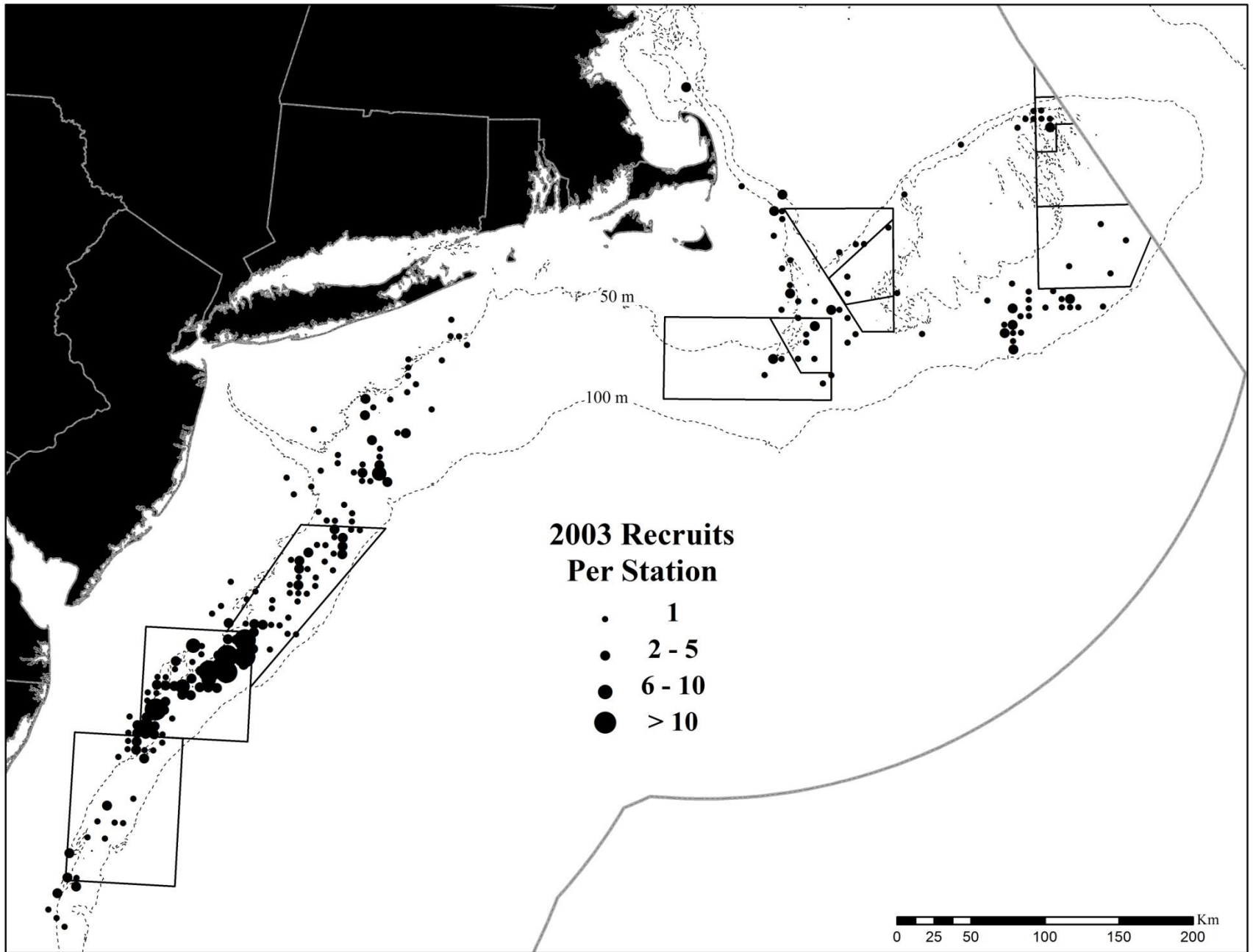


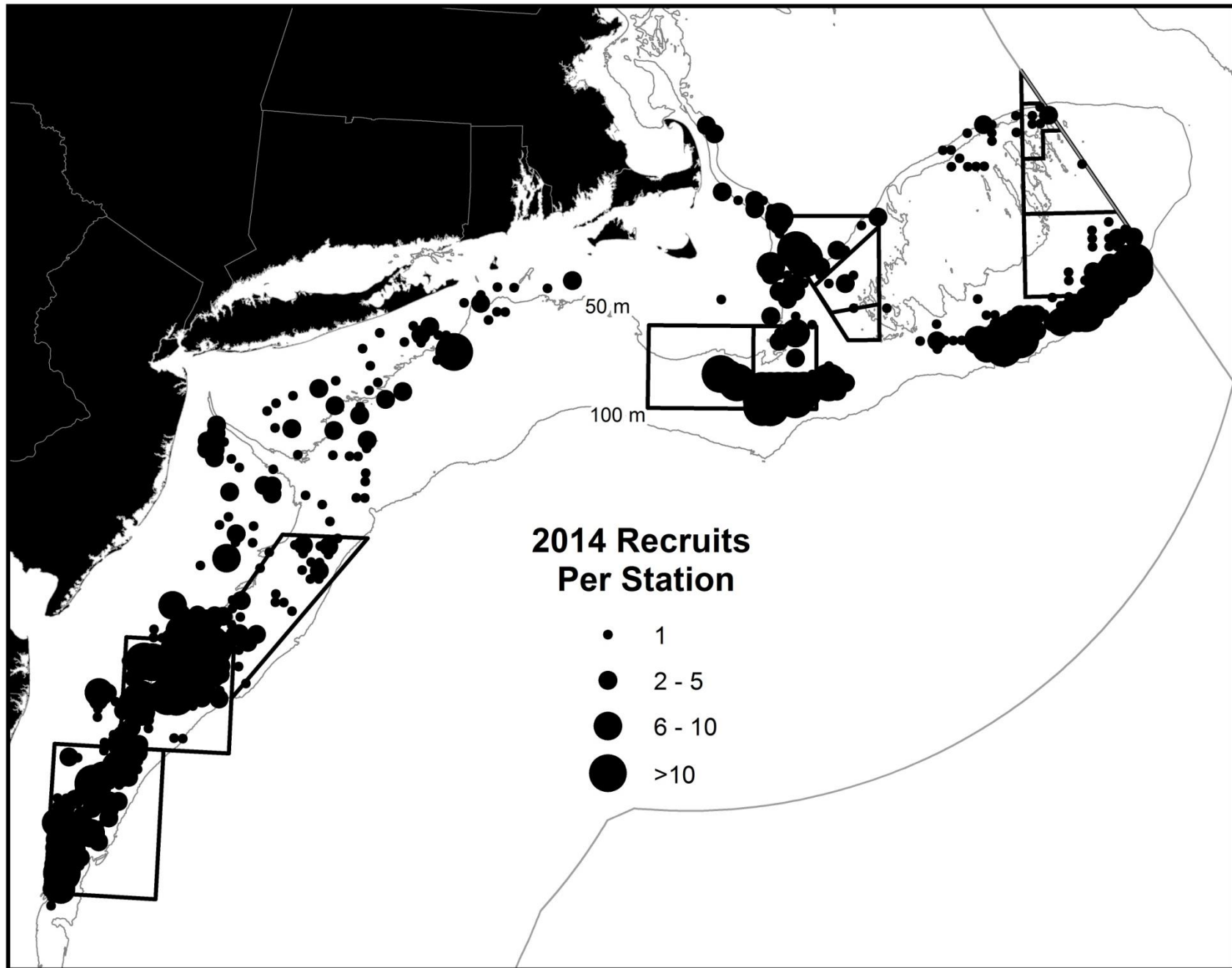
Total Sea Scallop Meat Weight by Area (million lbs)

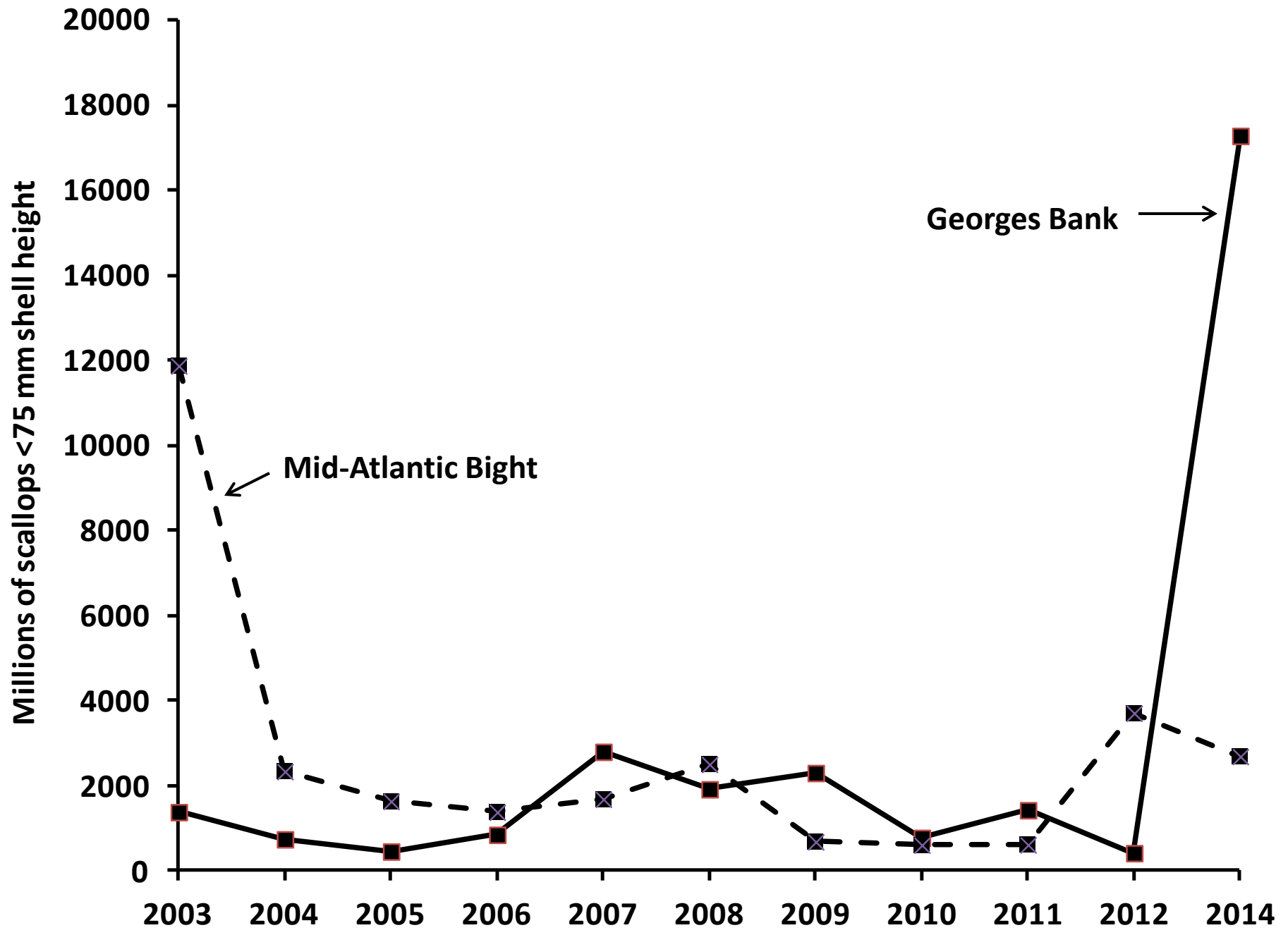
	Georges Bank	Mid-Atlantic	Resource
2003	194.2	239.4	433.6
2004	181.8	183.5	365.3
2005	179.6	186.9	366.5
2006	198.9	168.3	367.2
2007	189.7	175.6	365.3
2008	105.9	194.3	300.2
2009	157.3	140.2	297.5
2010	189.6	135.3	324.9
2011	192.0	130.5	322.5
2012	155.4	87.8	243.2
2013			
2014	187.4	133.0	320.4

NMFS estimate SAW 59			
2013	190.6	101.6	292.2



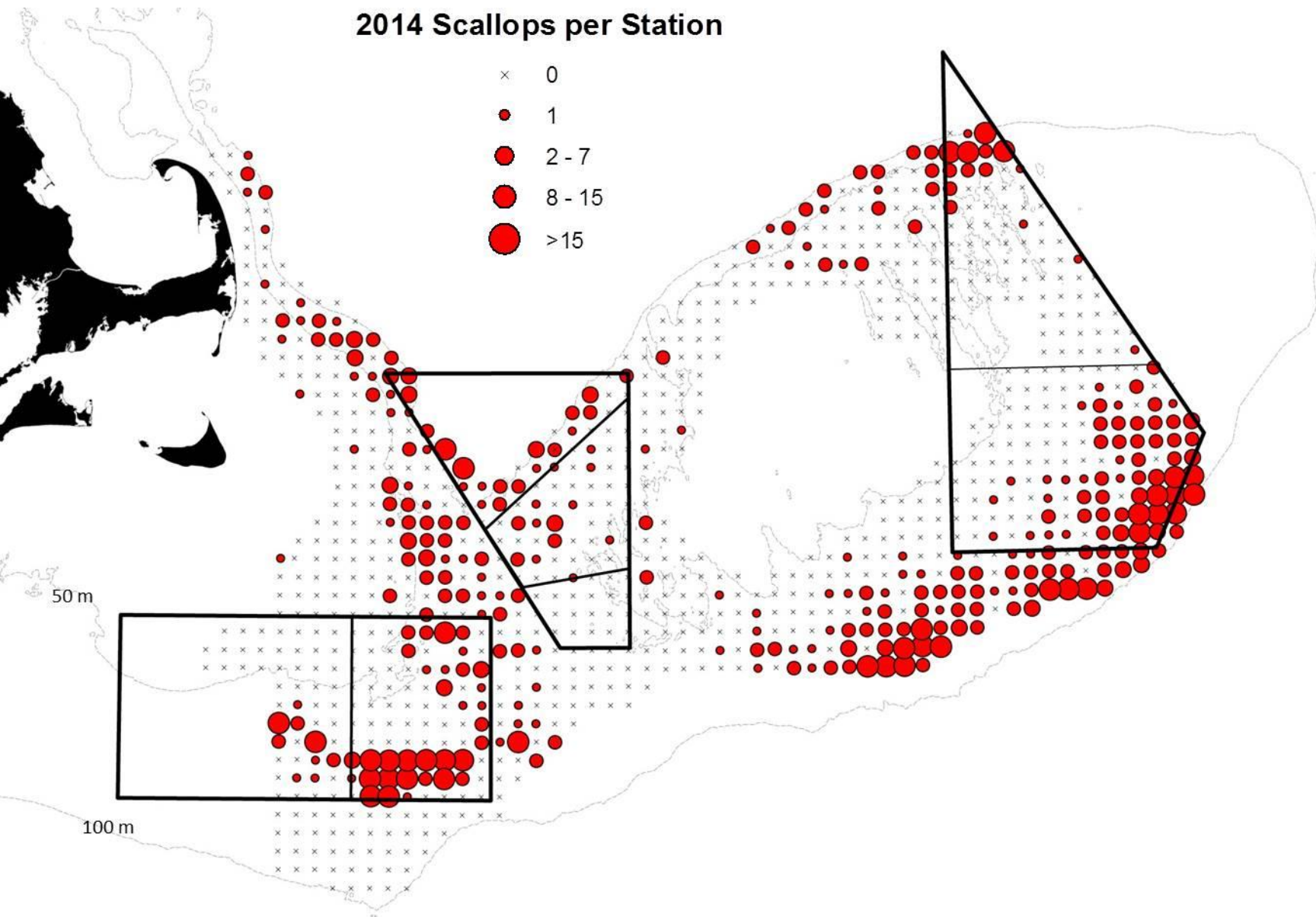
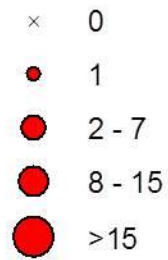




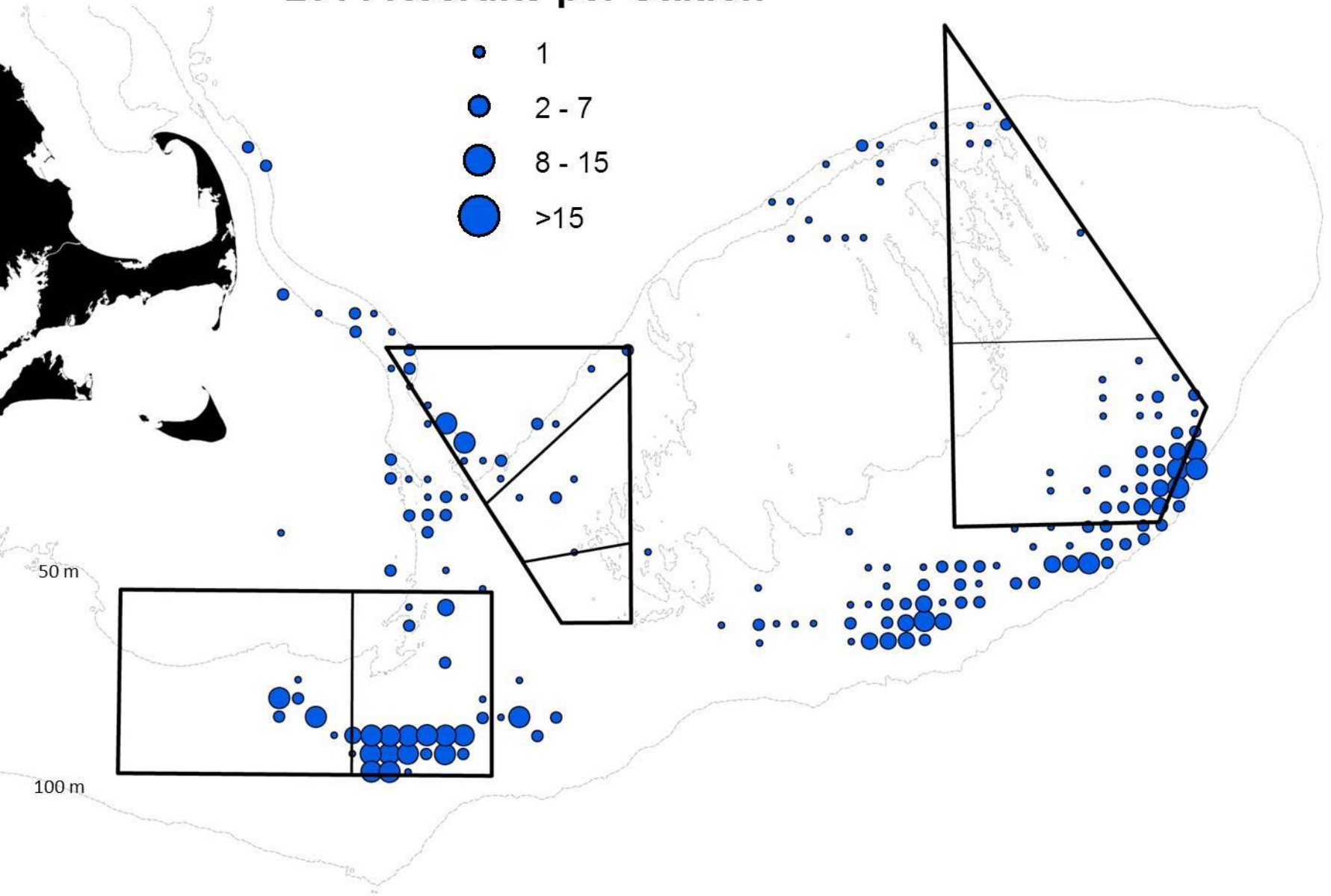
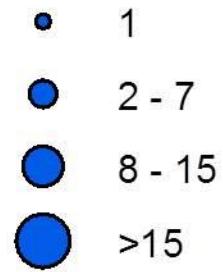


		Geroges Bank					
Year	m ²	Stations	SE	CV%	mwt	scallops x 10 ⁹	±95% CL
2003	0.15	929	0.012	7.9	20.9	4.2	0.7
2004	0.12	935	0.014	11.8	23.5	3.5	0.8
2005	0.11	919	0.012	10.8	25.0	3.3	0.7
2006	0.11	943	0.012	10.6	28.4	3.2	0.7
2007	0.14	927	0.015	11.0	21.4	4.0	0.9
2008	0.10	918	0.008	8.6	17.3	2.8	0.5
2009	0.16	899	0.017	10.9	16.4	4.4	0.9
2010	0.12	905	0.012	10.0	25.4	3.2	0.6
2011	0.14	918	0.017	12.1	20.0	4.1	1.0
2012	0.13	892	0.017	13.5	19.5	3.6	0.9
2013							
2014	0.64	1001	0.14	22.5	4.4	19.9	8.8
		Mid-Atlantic					
Year	m ²	Stations	SE	CV%	mwt	scallops	±95% CL
2003	0.48	804	0.080	16.5	9.1	12.0	3.9
2004	0.22	840	0.022	9.8	14.4	5.8	1.1
2005	0.21	864	0.025	11.8	15.1	5.6	1.3
2006	0.19	897	0.019	9.9	14.4	5.3	1.0
2007	0.18	941	0.016	8.9	15.1	5.2	0.9
2008	0.18	931	0.018	9.9	15.8	5.3	1.0
2009	0.13	928	0.008	6.2	16.5	3.8	0.5
2010	0.11	896	0.010	8.9	20.2	3.1	0.5
2011	0.08	963	0.005	6.4	26.9	2.4	0.3
2012	0.12	963	0.010	8.7	9.5	3.6	0.6
2013							
2014	0.15	1165	0.01	6.9	11	5.5	0.7

2014 Scallops per Station



2014 Recruits per Station



062ST_2Q_GB5_14_L1



062ST_2Q_GB5_14_S1





044ST_1Q_GB4_14_L1



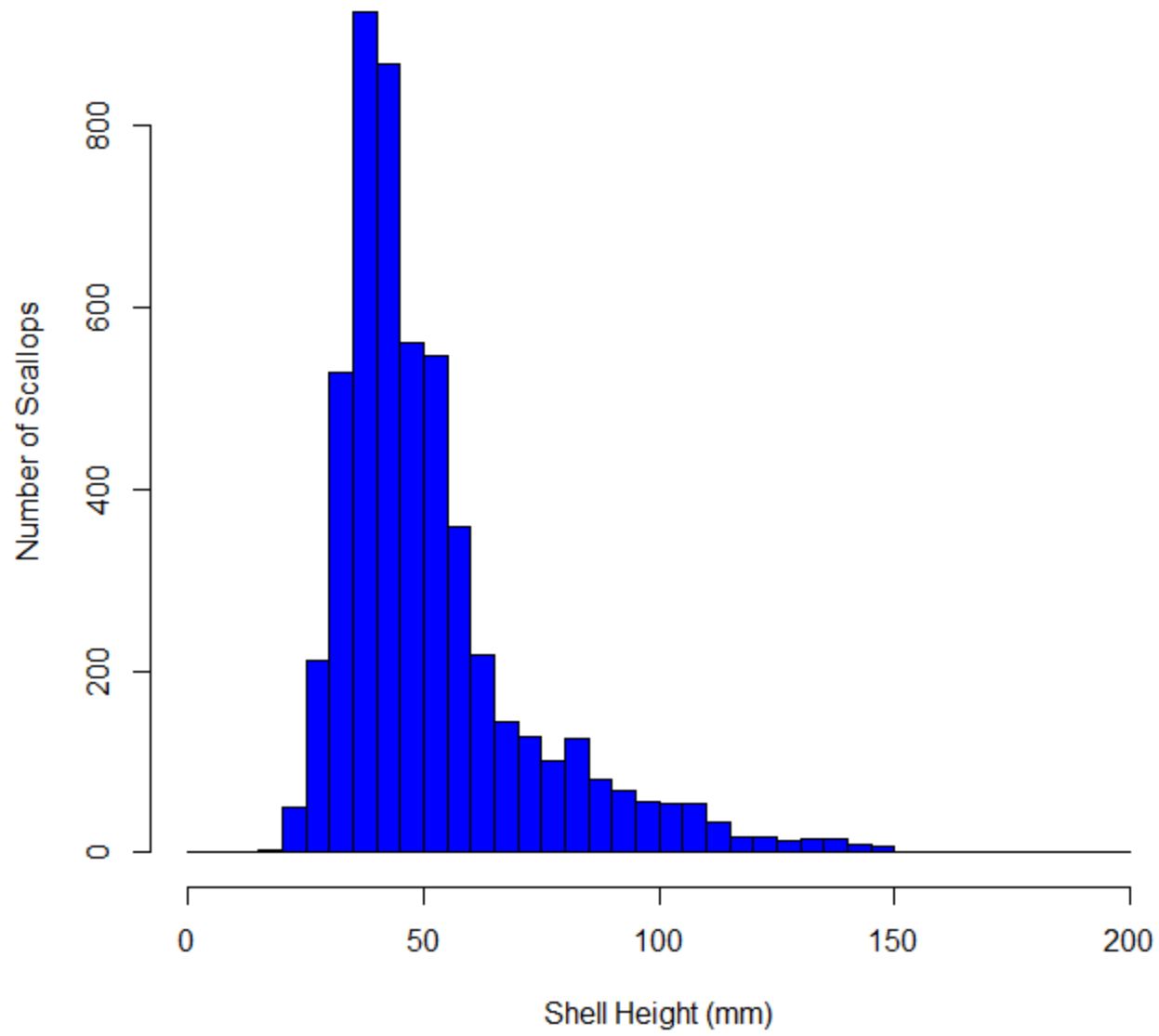


044ST_1Q_GB4_14_S1

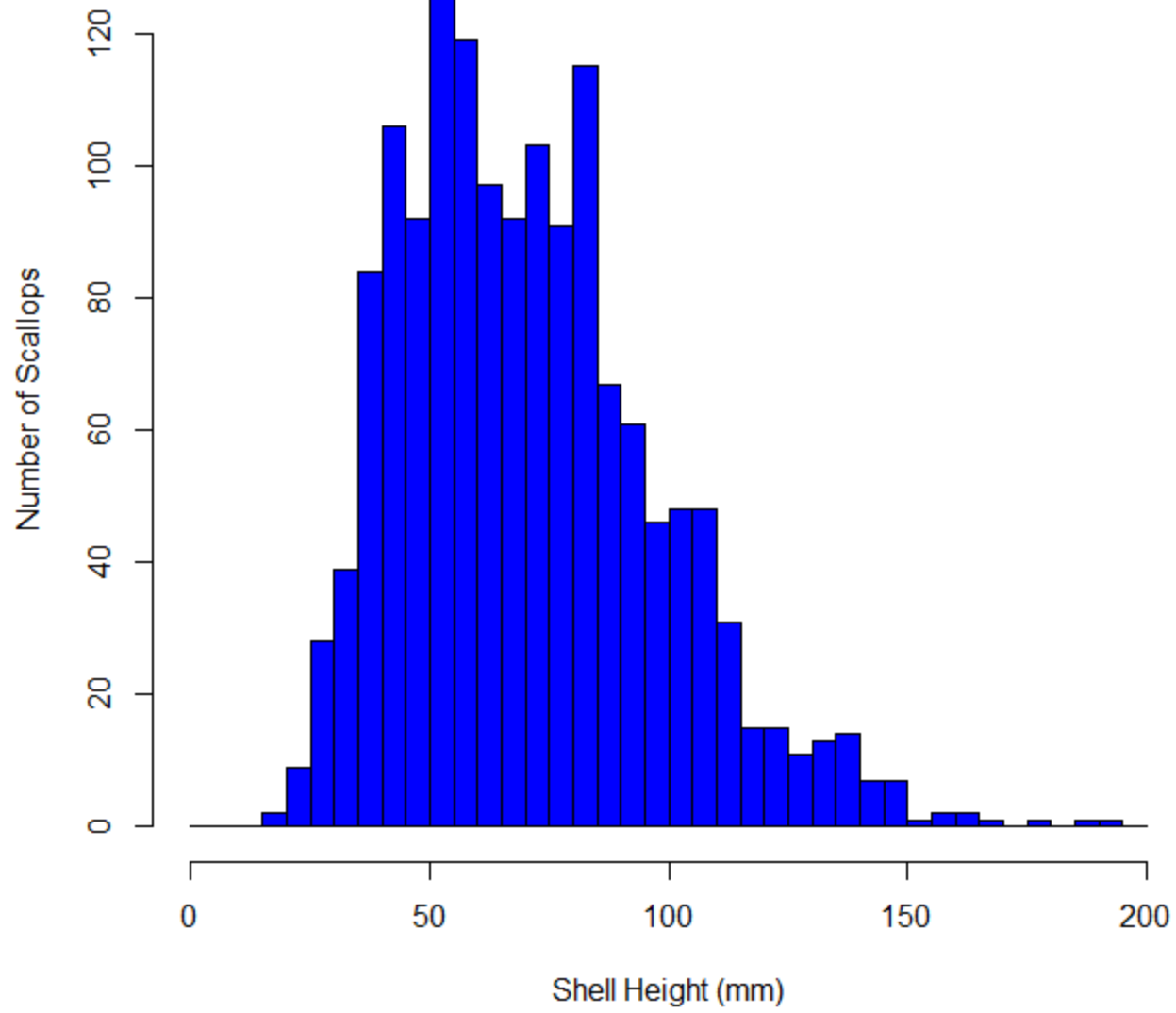




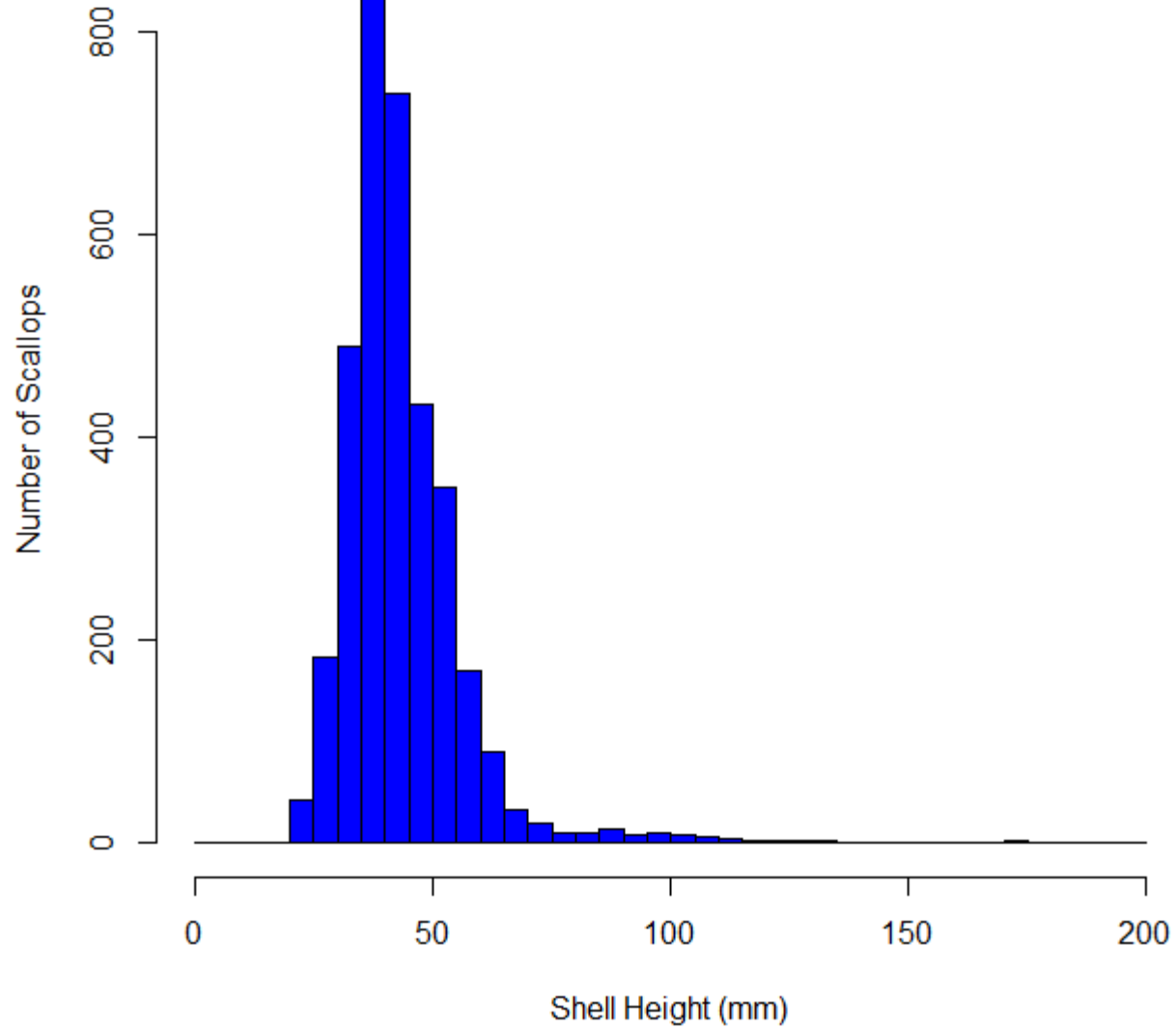
2014 GB All

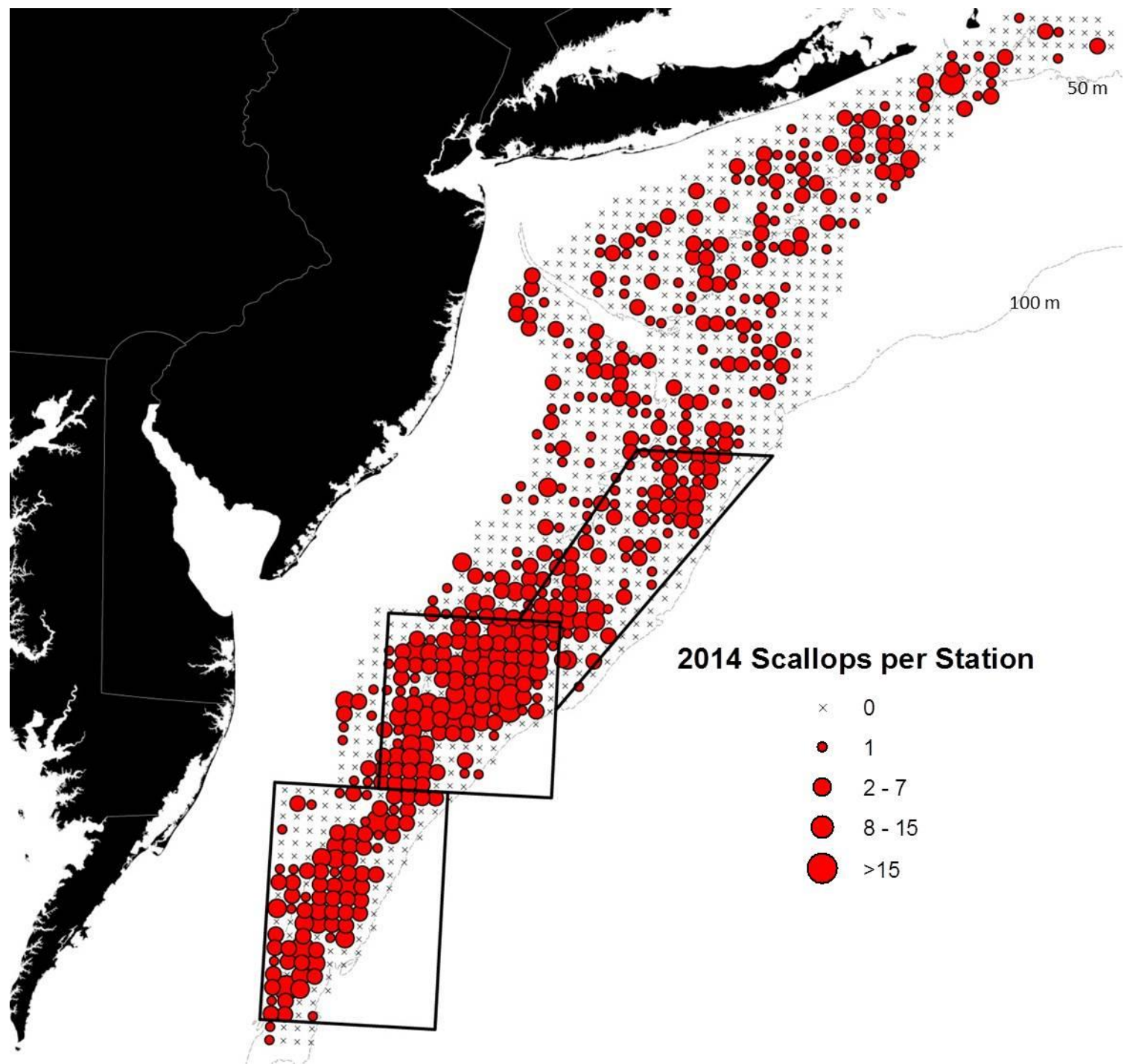


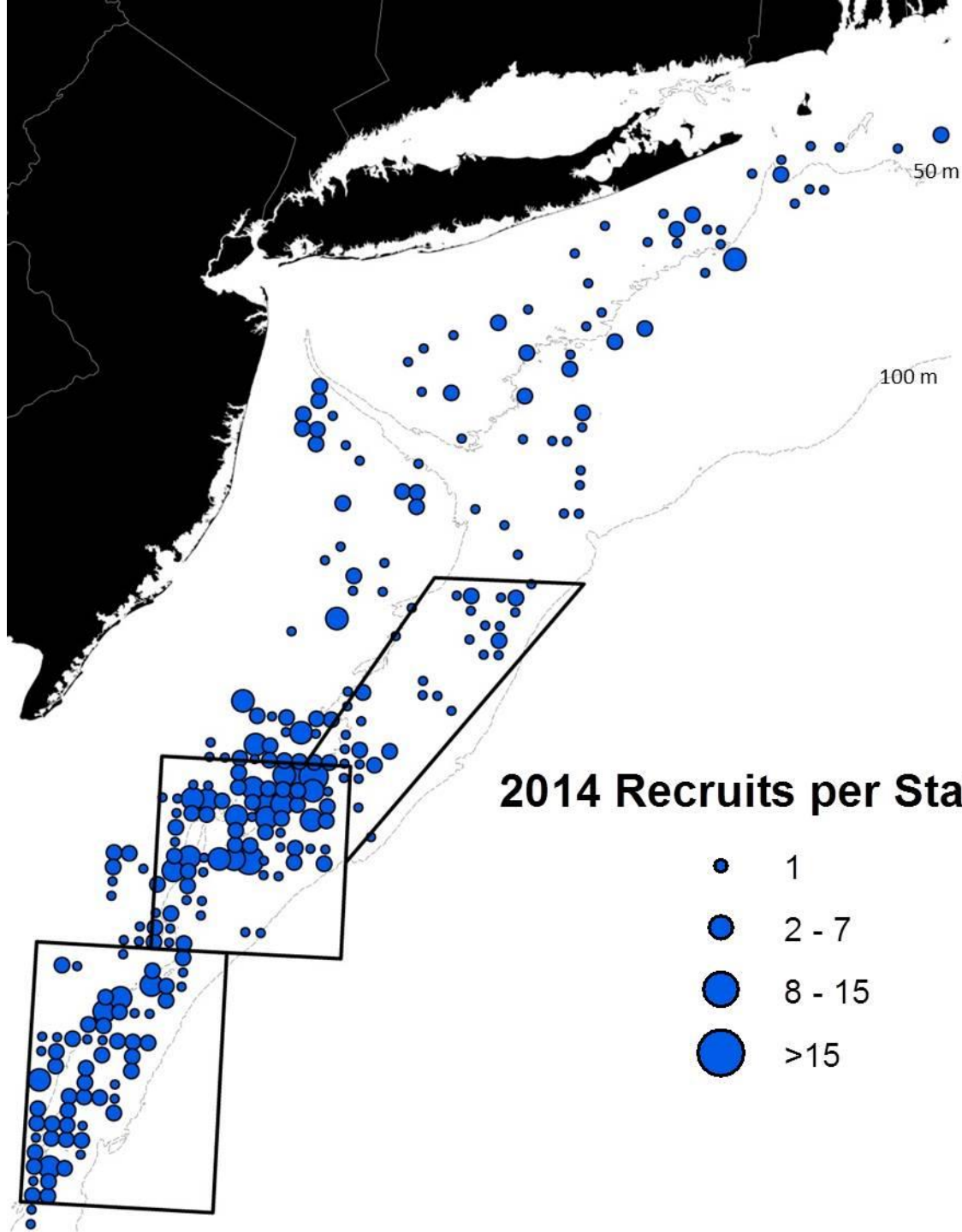
2014 GB No NLCA



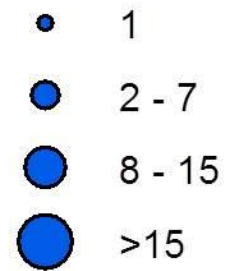
2014 GB NLCAccess



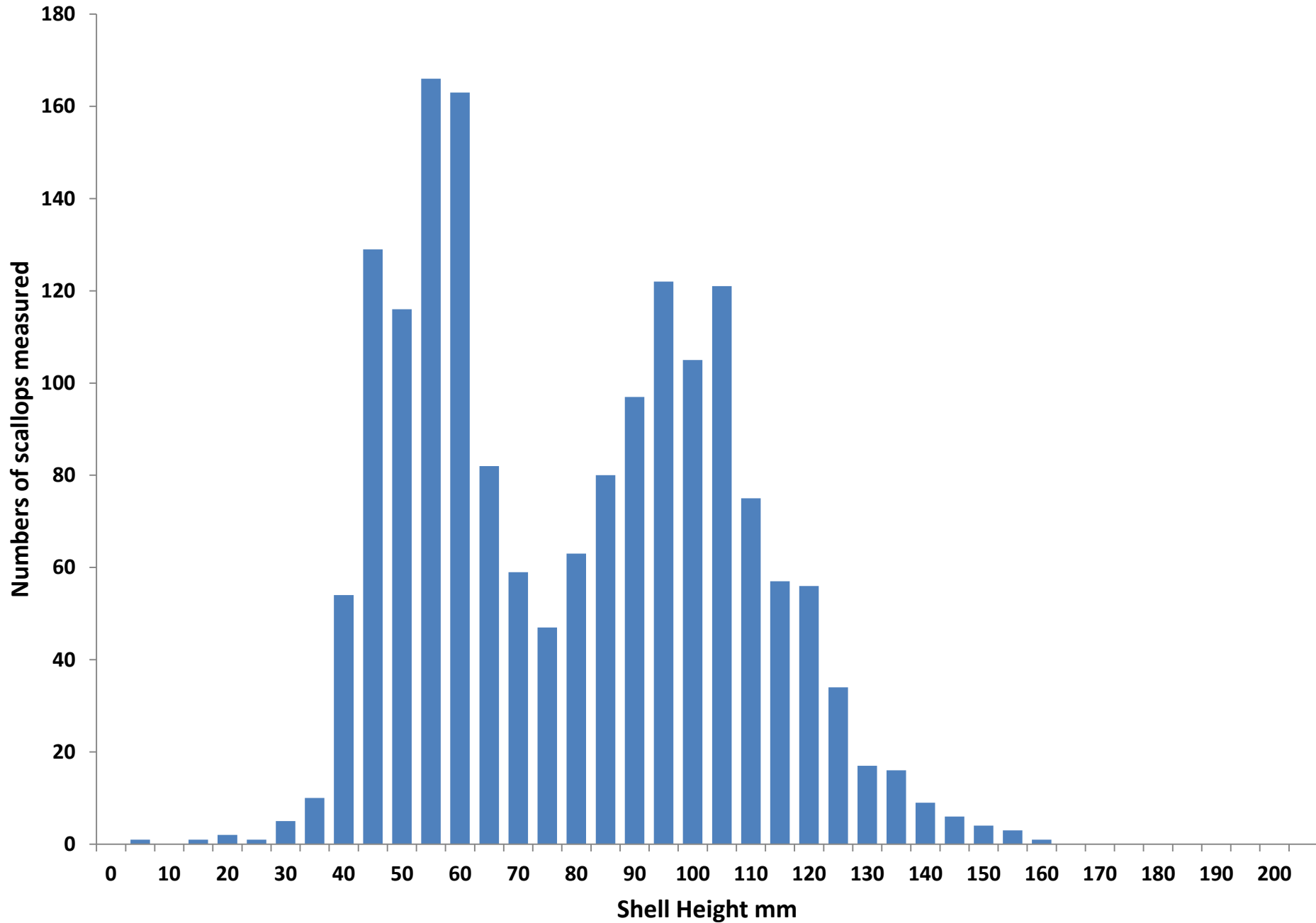


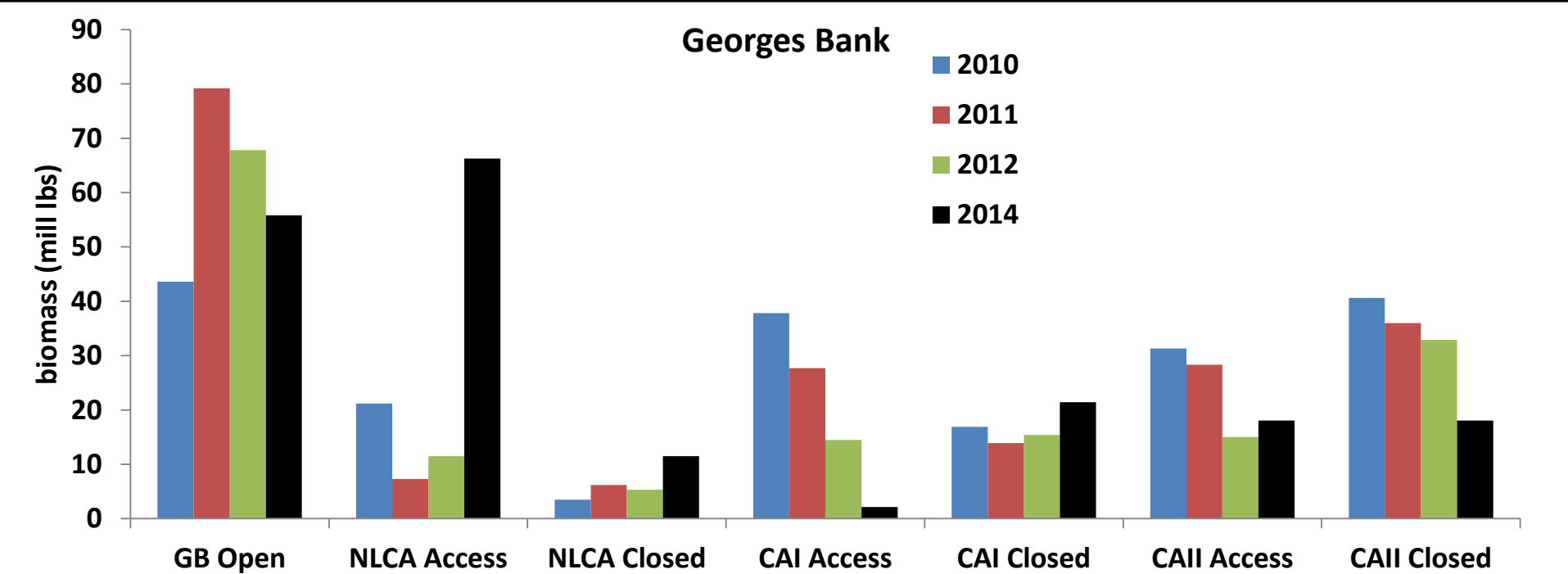
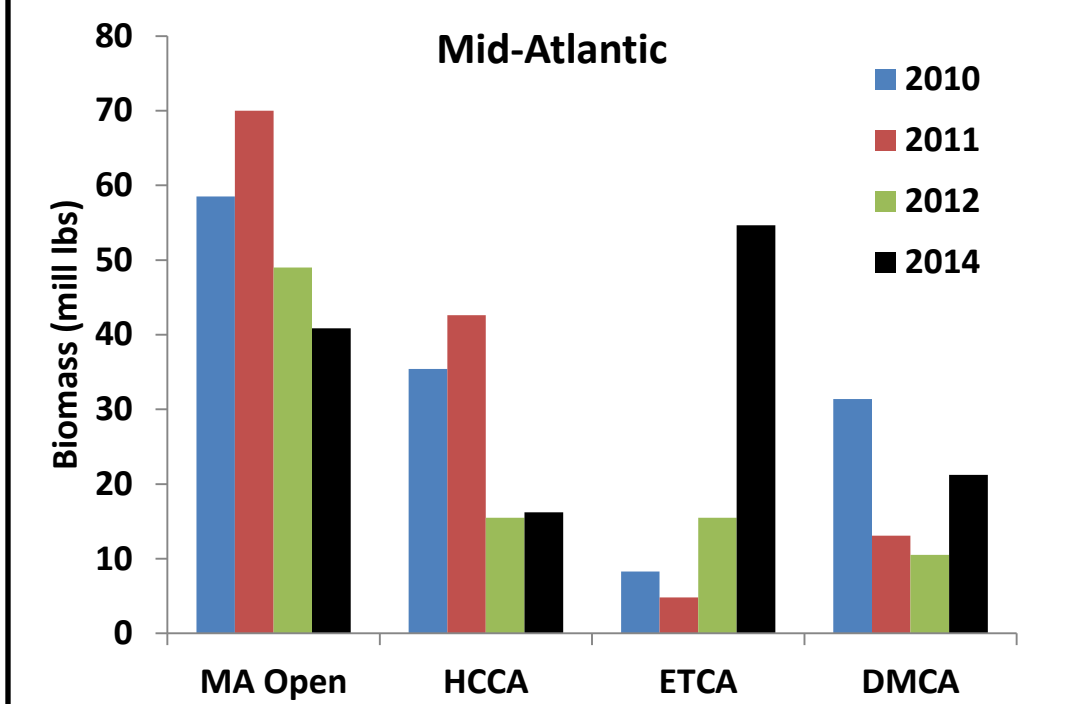
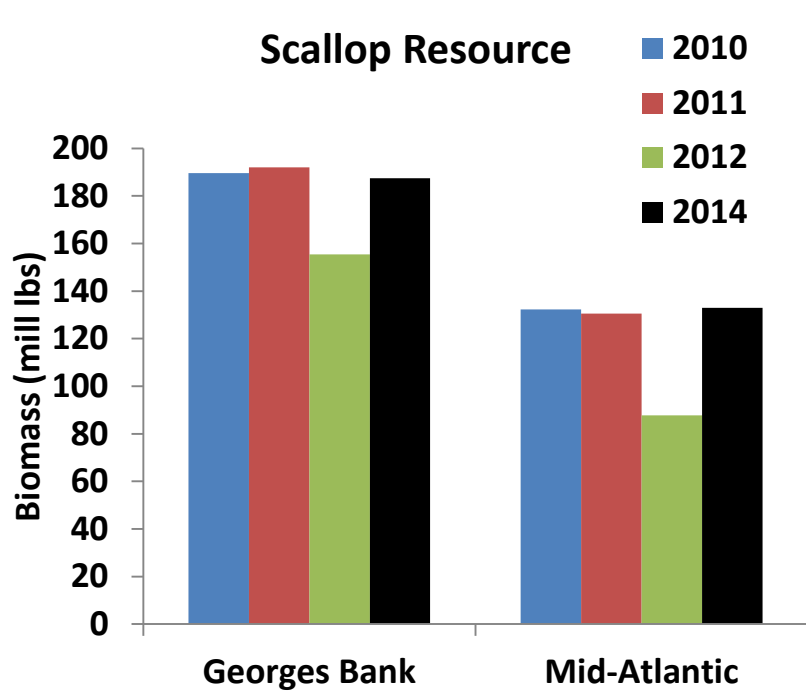


2014 Recruits per Station



Mid-Atlantic Large Cam 2014

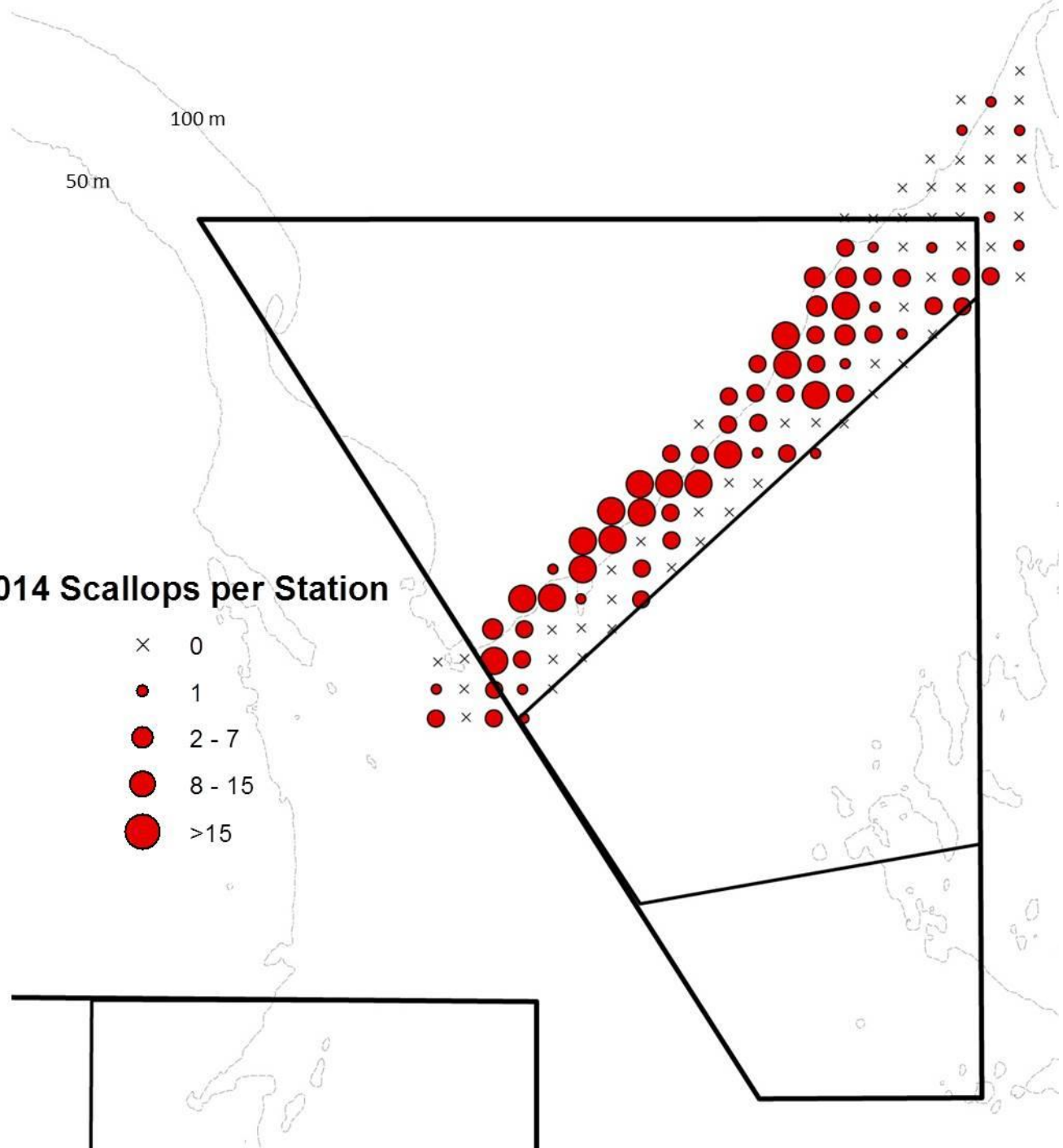
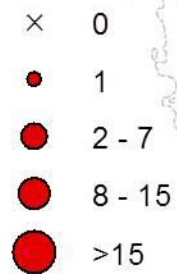




Georges Bank	Estimation of Total Biomass				Estimation of Exploitable Biomass			
	mean mwt	mill lbs	in mt	SE	mean mwt	mill lbs	in mt	SE
CAI Access	14.5	2	962	375.3	22.5	1	486	189.5
CAI Closed	6.5	11	5115	3003.6	19.7	7	3090	1814.7
CAI "Sliver" 1.5 nm	17.4	21	9708	2189.1	21.8	15	6647	1498.9
CAII Access	8.2	18	8197	2570.3	18.3	7	2963	929.1
CAII Closed	23.3	12	5550	2054.0	32.5	9	4191	1551.0
GSC	8.4	25	11134	7849.4	26.1	11	4949	3489.0
NEP	7.0	13	5863	1482.6	21.4	5	2259	571.4
NLCA Access	2.2	66	30052	6534.2	17.3	9	3891	845.9
NLCA Closed	4.4	11	5211	4649.8	20.5	2	758	676.8
Non-strata	13.0	3	1289	283.9	27.2	2	728	160.3
SEP	8.2	15	7026	1359.0	19.9	5	2476	479.0
Sum of areas		187	84991			65	29348	

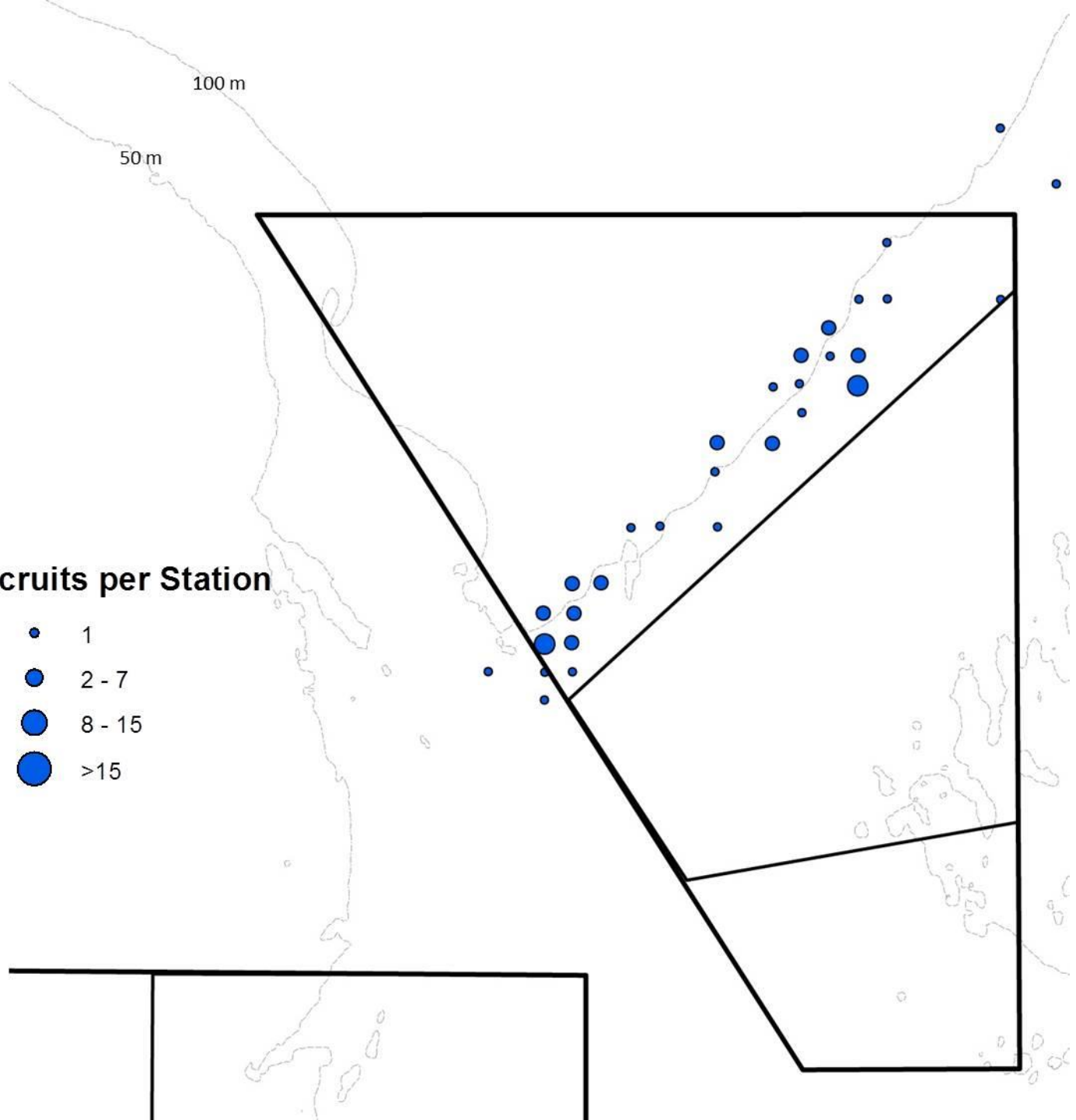
Mid-Atlantic	Estimation of Total Biomass				Estimation of Exploitable Biomass			
	mean mwt	mill lbs	in mt	SE	mean mwt	mill lbs	in mt	SE
BltoLI	11.6	3	1372	671.0	18.0	1	521	254.5
DMCA	8.9	21	9626	1093.3	18.3	9	3935	447.0
ETCA	10.3	55	24799	2909.1	22.5	29	12938	1517.7
HCCA	11.4	16	7361	1020.7	17.4	7	3143	435.8
LI	16.0	23	10269	950.0	26.3	14	6402	592.3
Non-strata	4.3	1	379	133.6	12.7	0	57	20.2
NYBS	13.1	8	3609	494.6	27.5	5	2119	290.4
NYBSwStratum21	11.6	14	6520	856.8	31.6	9	3955	519.7
Sum of areas		133	60326			68	30951	

2014 Scallops per Station



2014 Recruits per Station

- 1
- 2 - 7
- 8 - 15
- >15



2014 GB CAI Sliver LargeCam

