

NOAA
FISHERIES
NEFSC, FMRD

Observer Kept and Discard Data Update



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Observer Sampling, quick review

Observed Haul: A haul for which weights are collected for all species, both kept and discarded. Discard information includes everything brought up in the gear: vertebrate and invertebrate animals, rocks, plants, and debris

A minimum of 50% of hauls from scallop trips should be observed, with watches that capture fishing activity at all time periods throughout the trip. Every attempt is made to observe all hauls on General Category trips

Other hauls during watch, length frequencies of shell heights should be obtained at least every other haul, from alternating dredges. Approximately 100 scallops should be measured alternating between kept and discarded dispositions.

Discard Ratio Calculation:

1. All observed hauls where catch was present
2. Observed kept scallop meat weight converted to round using 8.33 conversion factor to get kept_round column. If round scallops were kept (rare case gen cat) then round weight used.
3. Observed discard round weights used and in the case of discarded meat (nematodes/grey) 8.33 conversion factor applied.
4. Discard Ratio = Lbs Discarded (Round Weight) / Kept Round

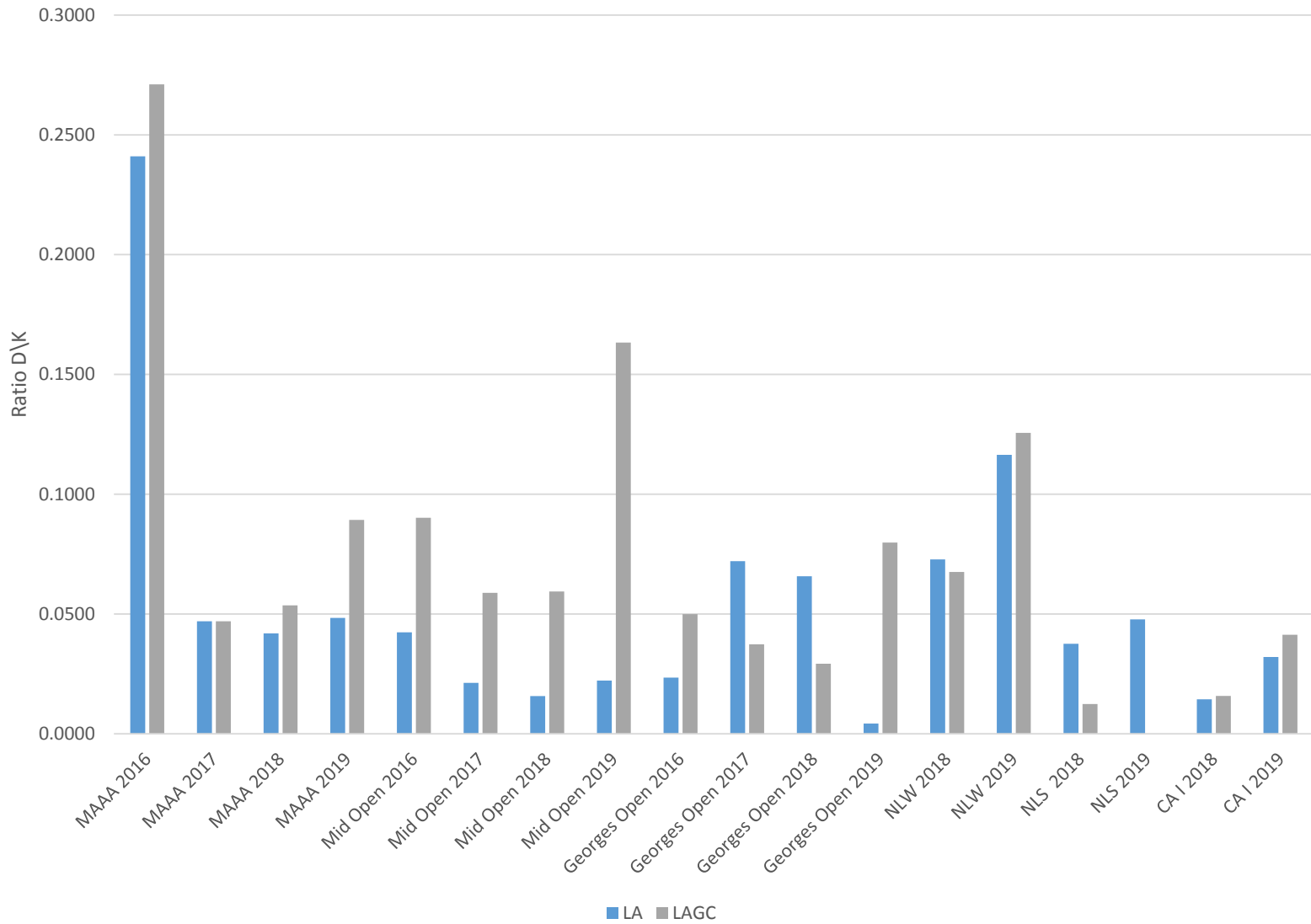
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	Fishing_Year	Num Obs Trips	Obs_Tows	Lbs_Kept_Obs (Meat Wgt)	Lbs_Tow Meat_Wgt	Kept_Round (conv)	Lbs Discarded (Meat Wgt)	Disc Round	Lbs Discarded (Round Wgt)	Discard_Lbs_Tow_Round	Discard Ratio
MAAA	2016	178	10049	1240247	123	10331258	9300	2412454	2489923	248	0.2410
MAAA	2017	69	2589	474109	183	3949328	915	177829	185451	72	0.0470
MAAA	2018	81	2573	669558	260	5577418	6299	181351	233822	91	0.0419
MAAA	2019	11	252	132436	526	1103192	3198	26741	53380	212	0.0484
Mid-Atlantic Open	2016	93	6023	722059	120	6014751	0	254666	254666	42	0.0423
Mid-Atlantic Open	2017	102	6206	1033450	167	8608639	0	183171	183171	30	0.0213
Mid-Atlantic Open	2018	28	1788	213554	119	1778905	386	24821	28036	16	0.0158
Mid-Atlantic Open	2019	3	189	22477	119	187233	1	4154	4162	22	0.0222
Georges Bank Open	2016	70	5073	534120	105	4449220	7	104396	104454	21	0.0235
Georges Bank Open	2017	32	1545	239355	155	1993827	0	143692	143692	93	0.0721
Georges Bank Open	2018	76	4285	777328	181	6475142	91	424864	425622	99	0.0657
Georges Bank Open	2019	3	199	30028	151	250133	0	1065	1065	5	0.0043
Nantucket Lightship West AA	2018	90	2634	736417	280	6134354	66	445947	446497	170	0.0728
Nantucket Lightship West AA	2019	43	1012	400743	396	3338189	0	388620	388620	384	0.1164
Nantucket Lightship South AA	2018	42	1781	357146	201	2975026	0	111783	111783	63	0.0376
Nantucket Lightship South AA	2019	3	59	29268	496	243802	0	11637	11637	197	0.0477
CA I AA	2018	56	1831	501528	274	4177728	72	59516	60116	33	0.0144
CA I AA	2019	12	348	97761	281	814349	0	26123	26123	75	0.0321

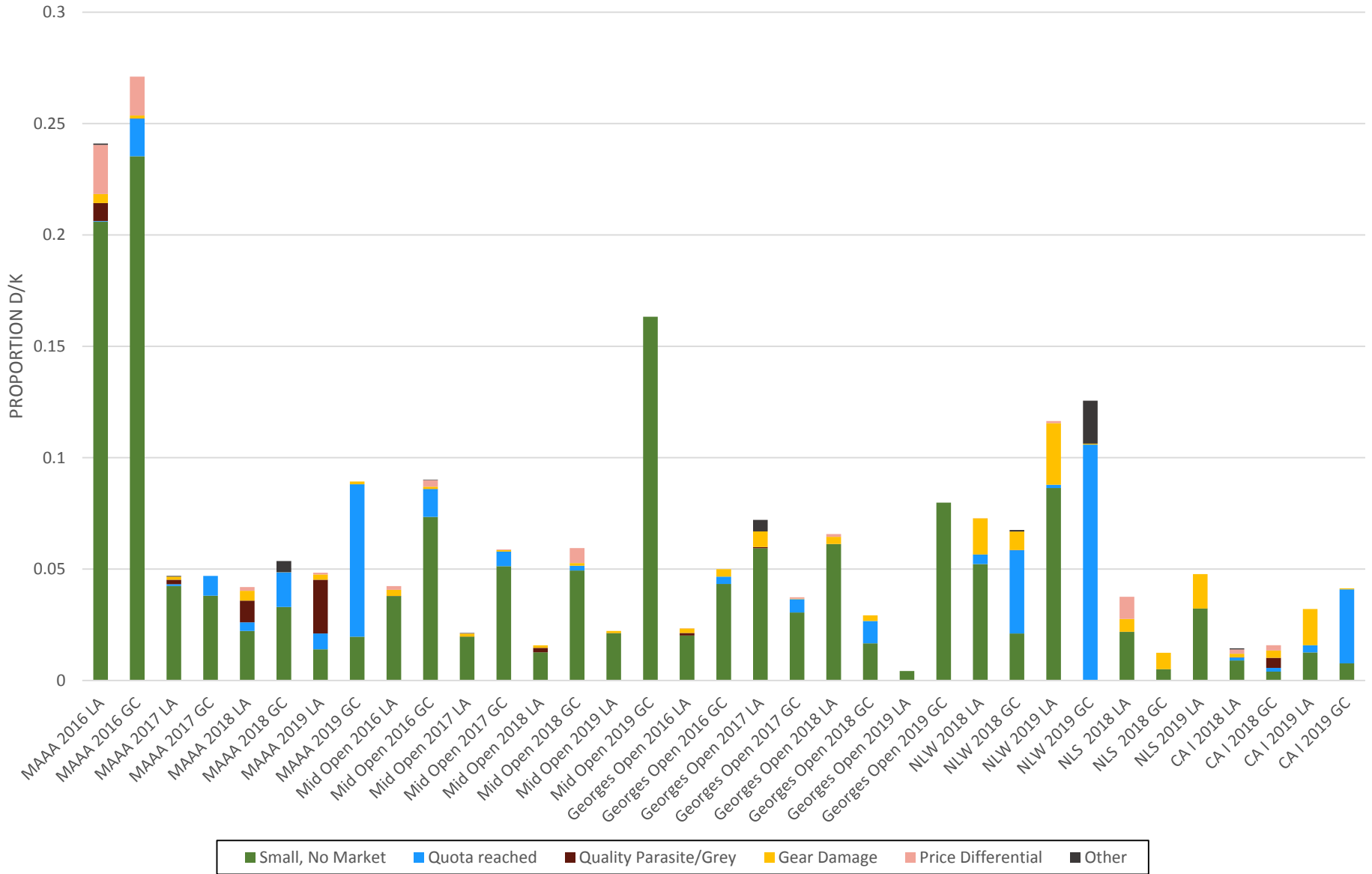
Limited Access General Category

	Fishing_Year	Num Obs Trips	Obs_Tows	Lbs_Kept_Obs (Meat Wgt)	Lbs_Tow_Meat_Wgt	Kept_Round (conv)	Lbs Discarded (Meat Wgt)	Disc Round	Lbs Discarded (Round Wgt)	Discard_Lbs_Tow_Round	Discard Ratio
MAAA	2016	61	400	41209	103	343271	423	89529	93053	233	0.2711
MAAA	2017	14	108	10284	95	85666	0	4022	4022	37	0.0469
MAAA	2018	32	138	24474	177	203868	0	10925	10925	79	0.0536
MAAA	2019	28	100	22563	226	187950	94	15997	16780	168	0.0893
Mid-Atlantic Open	2016	125	1198	74820	62	623251	56	55717	56183	47	0.0901
Mid-Atlantic Open	2017	102	898	69065	77	575311	79	33202	33860	38	0.0589
Mid-Atlantic Open	2018	59	558	39251	70	326961	0	19424	19424	35	0.0594
Mid-Atlantic Open	2019	6	44	3318	75	27639	0	4513	4513	103	0.1633
Georges Bank Open	2016	71	811	30172	37	251333	0	12560	12560	15	0.0500
Georges Bank Open	2017	56	607	27409	45	228317	0	8525	8525	14	0.0373
Georges Bank Open	2018	40	451	17743	39	147799	0	4320	4320	10	0.0292
Georges Bank Open	2019	12	110	5399	49	44974	0	3591	3591	33	0.0798
Nantucket Lightship West AA	2018	47	285	33934	119	282670	76	18468	19101	67	0.0676
Nantucket Lightship West AA	2019	4	36	3812	106	31754	0	3988	3988	111	0.1256
Nantucket Lightship South AA	2018	4	33	2851	86	23749	0	295	295	9	0.0124
CA I AA	2018	20	187	16164	86	134646	46	1748	2131	11	0.0158
CA I AA	2019	26	182	22768	125	189657	0	7837	7837	43	0.0413

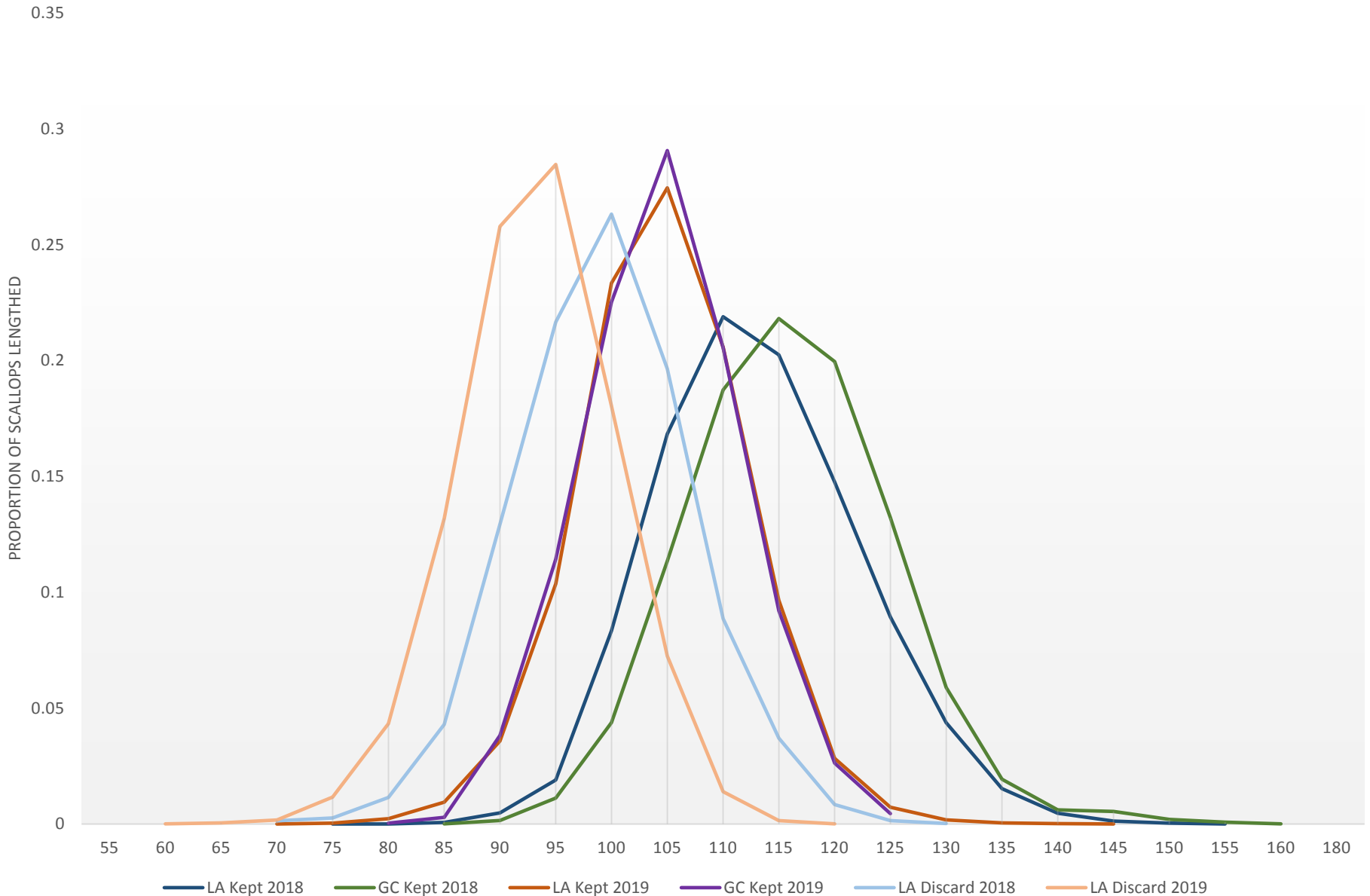
Discard to Kept Ratio's



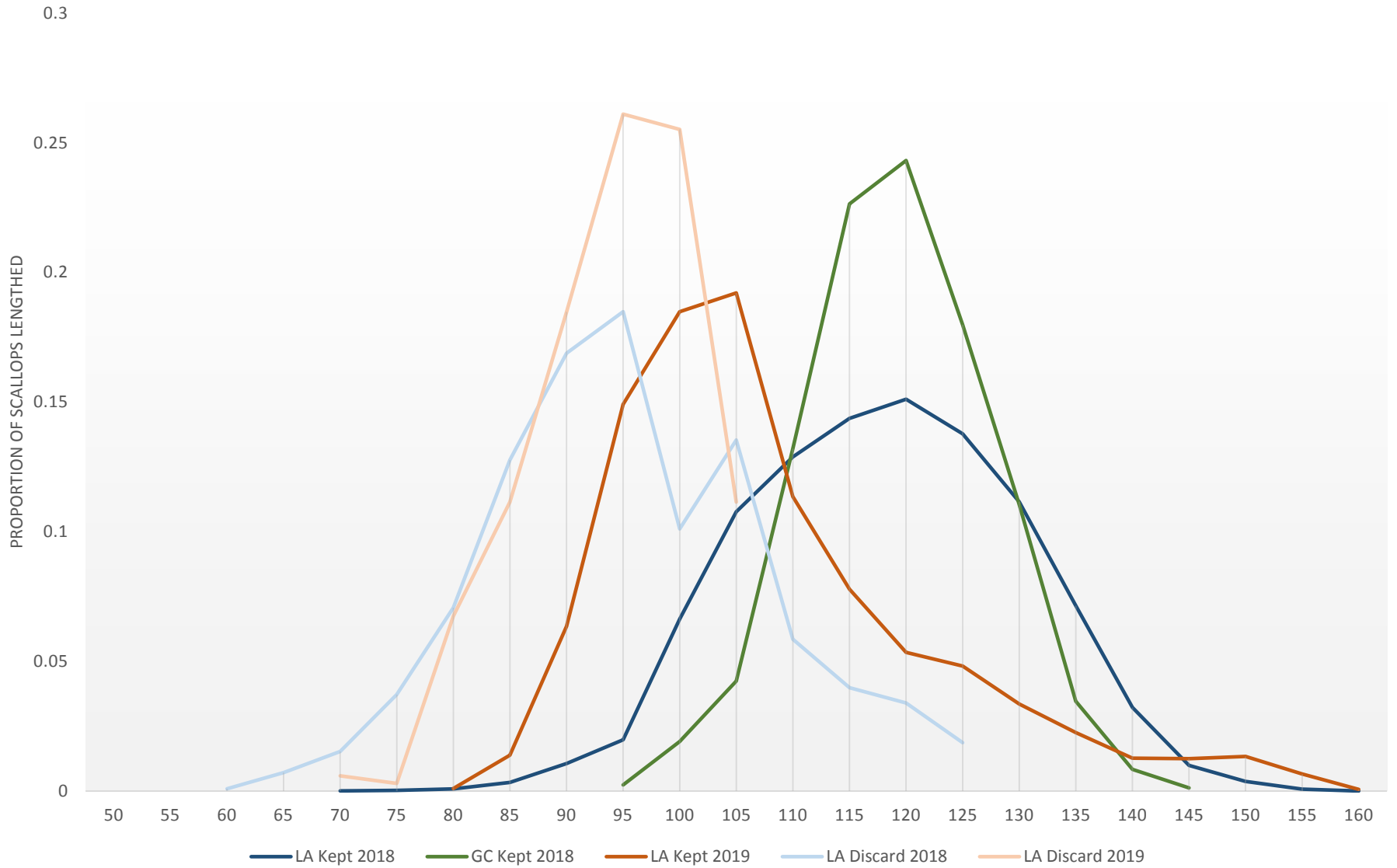
Discard to Kept Ratio including Disposition Proportion



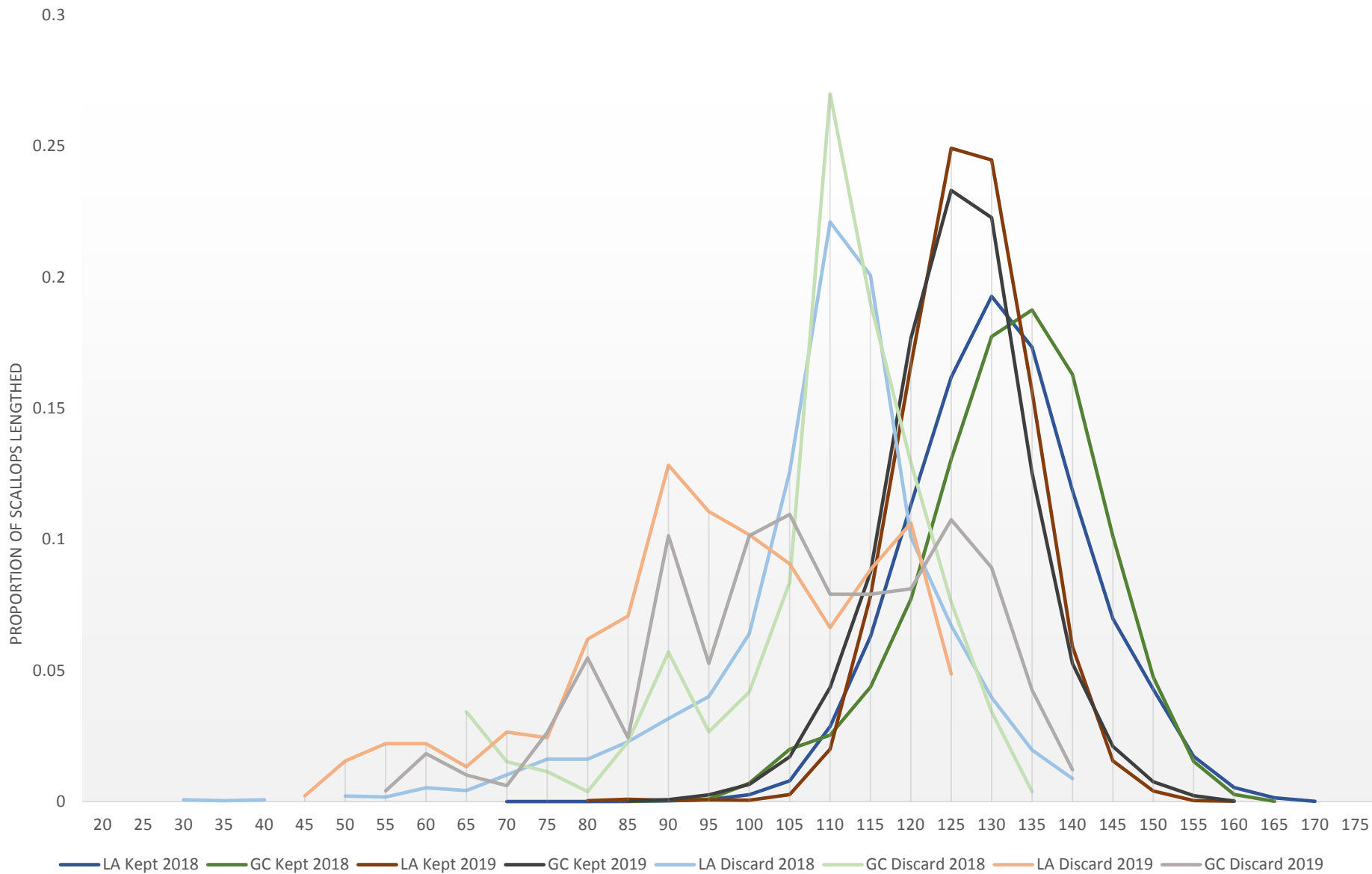
FY 2018-2019 NANTUCKET LIGHTHSIP WEST OBSERVED SHELL HEIGHTS



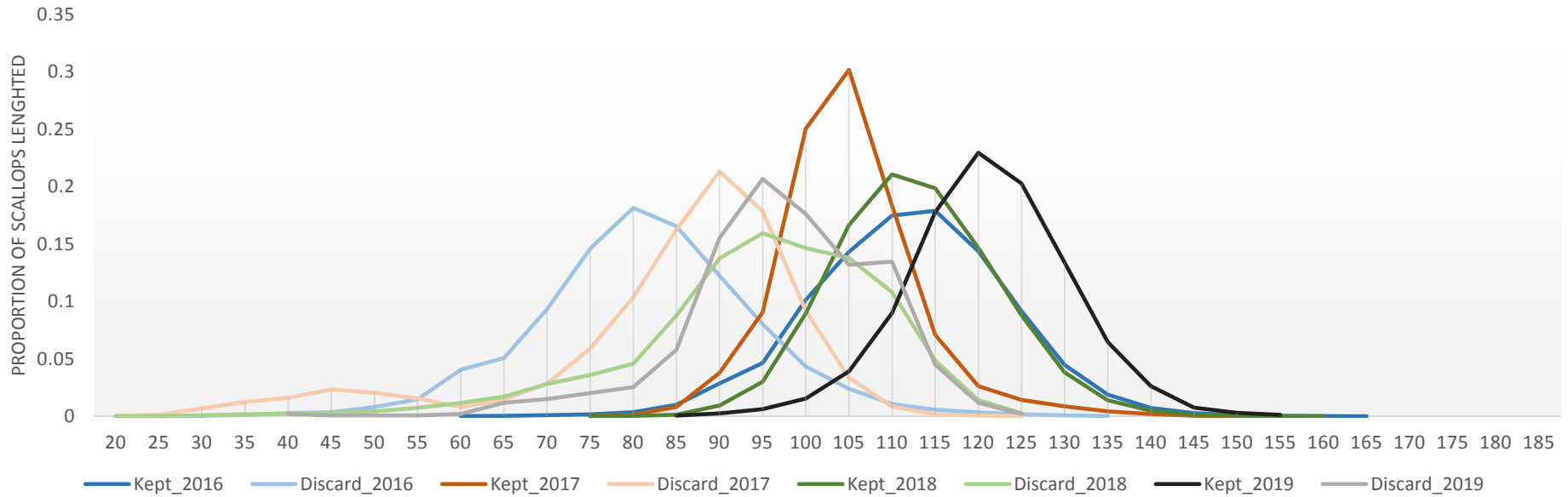
NANTUCKET LIGHTSHIP SOUTH FY 2018 - 2019 OBSERVED SHELL HEIGHTS



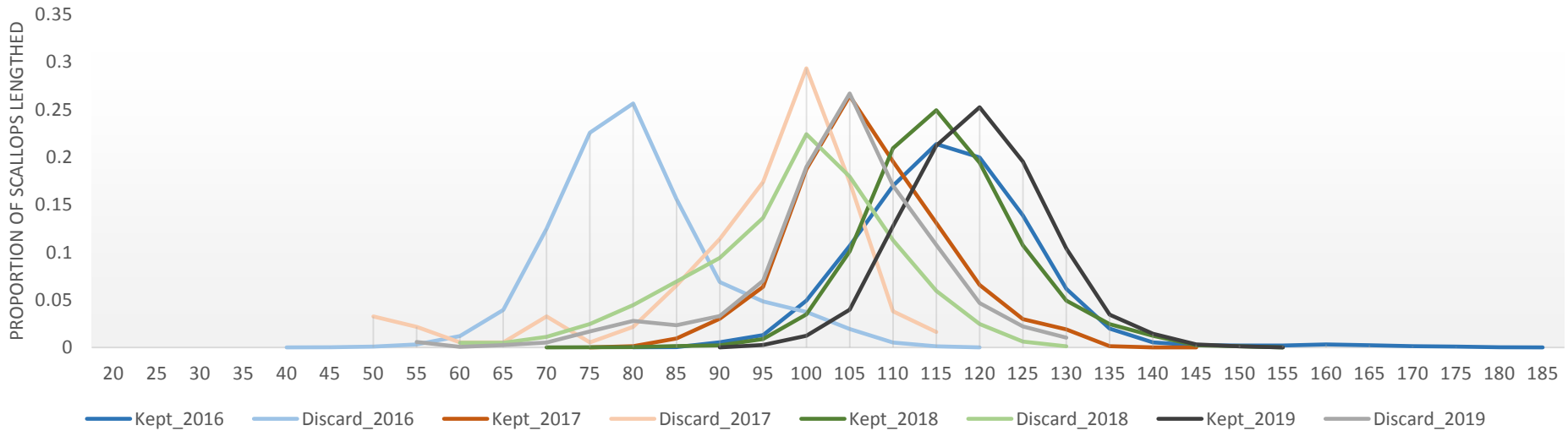
CA I FY 2018 - 2019 OBSERVED SHELL HEIGHTS



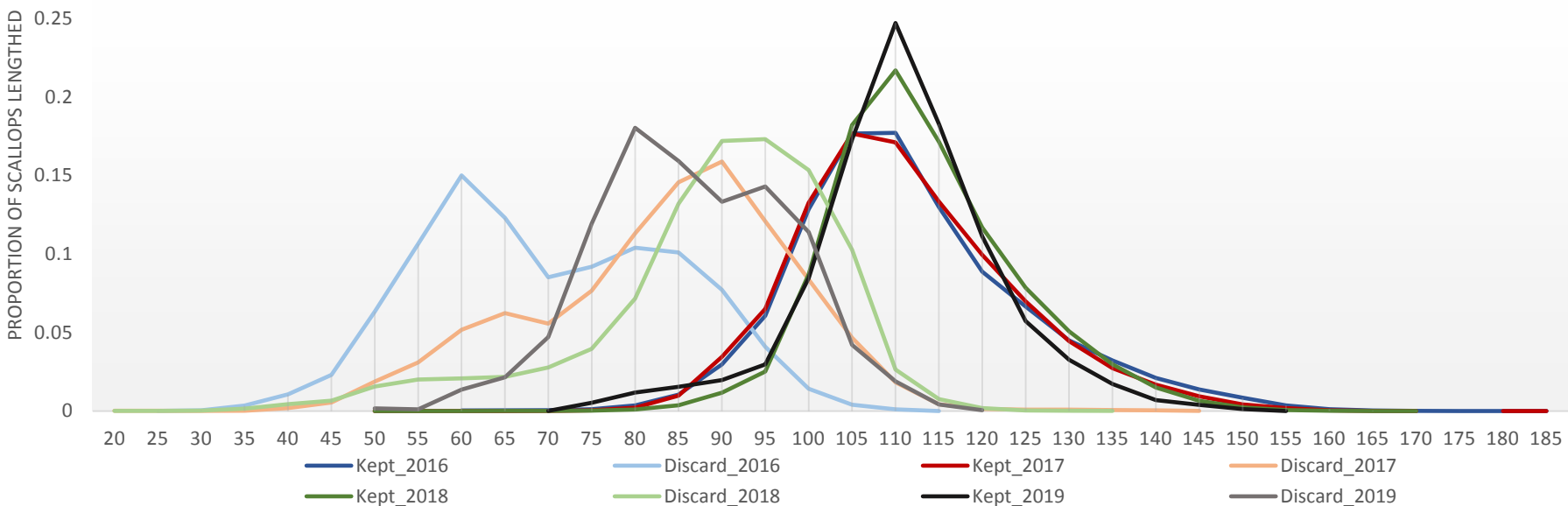
MAAA LA FY 2016- 2019 OBSERVED SHELL HEIGHTS



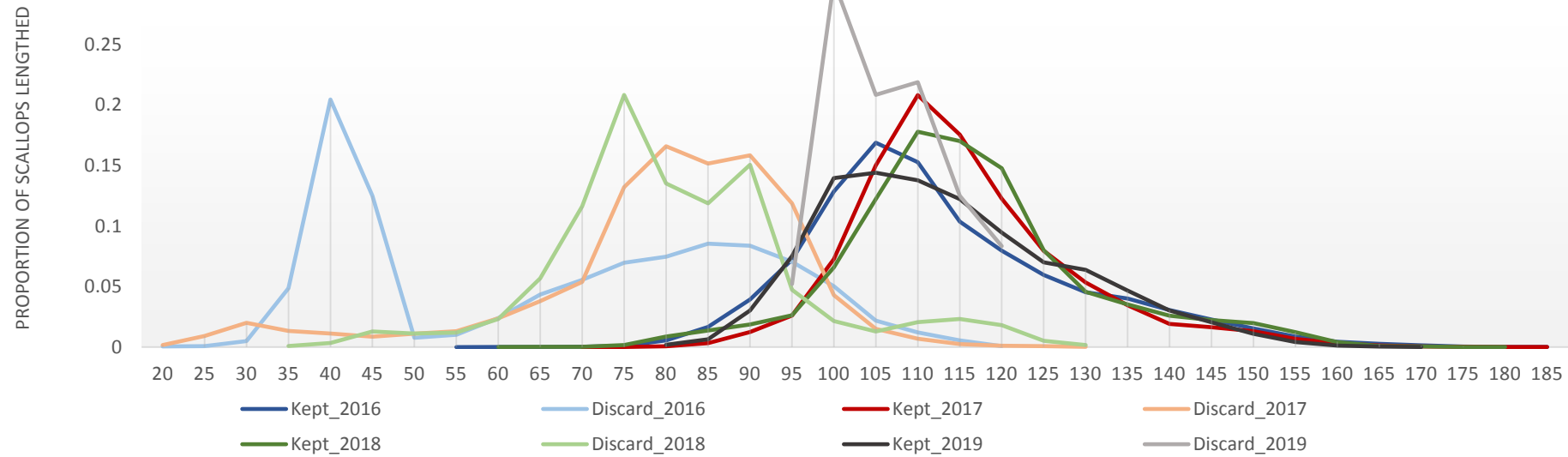
MAAA GEN CAT FY 2016-2019 OBSERVED SHELL HEIGHTS



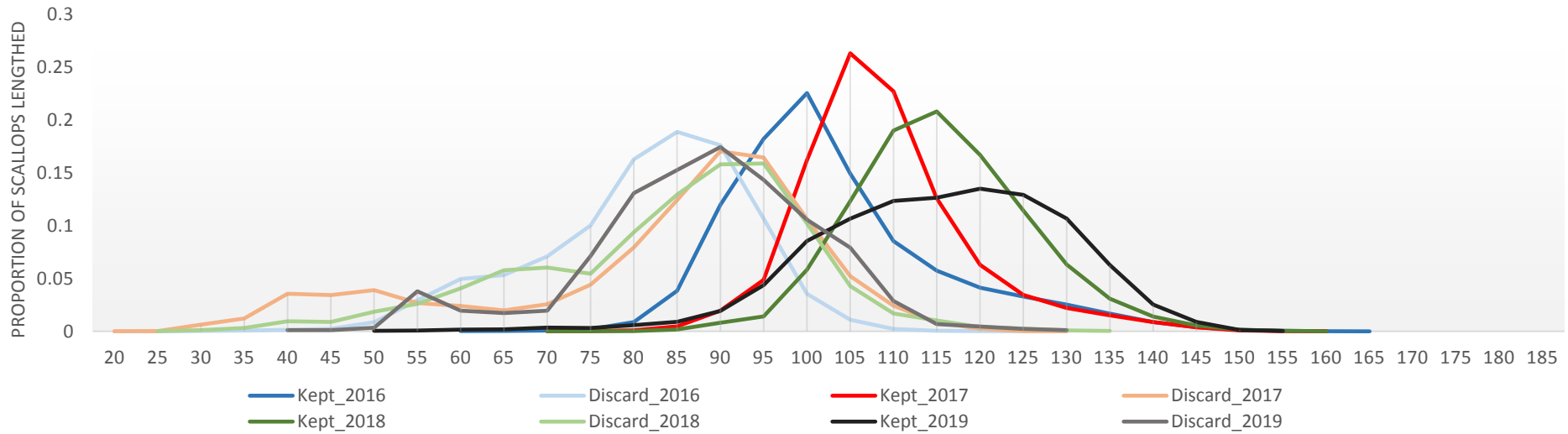
GEORGES BANK OPEN AREA LA OBSERVED SHELL HEIGHTS



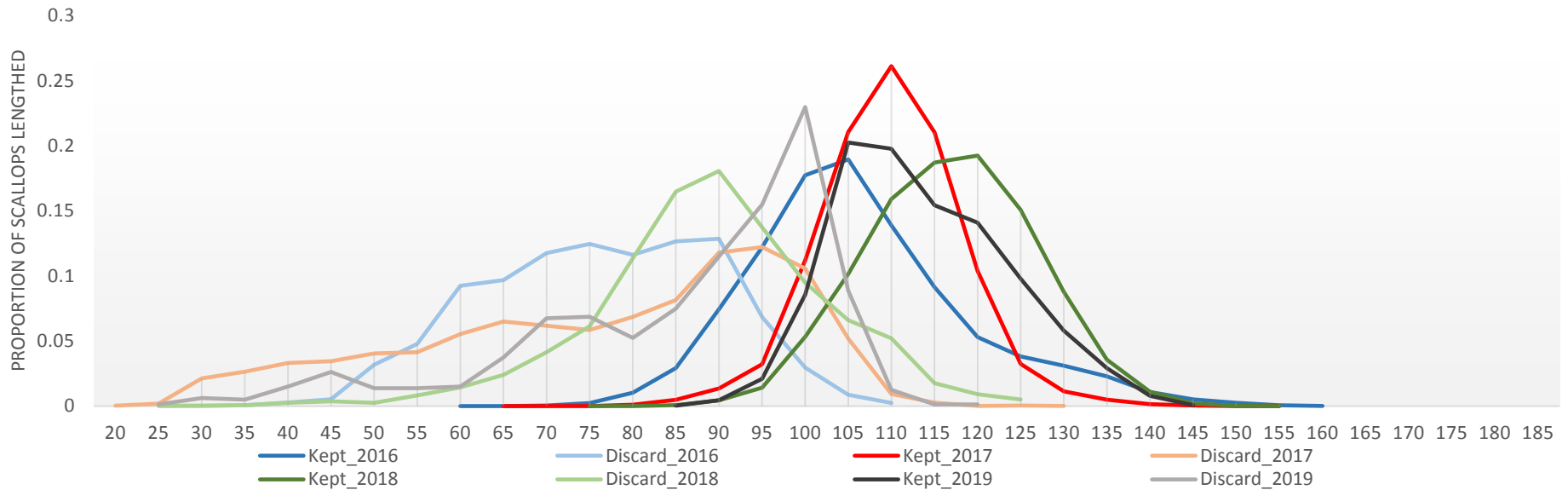
GEORGES BANK OPEN AREA GC OBSERVED SHELL HEIGHTS



MID-ATLANTIC OPEN AREA LA SHELL HEIGHTS OBSERVED



MID-ATLANTIC OPEN AREA GC SHELL HEIGHTS OBSERVED



Thanks again to observers and providers for all your hard work, we have over 4.1 million scallop shell heights recorded since 2016

