

Scallop PDT Meeting

**Deirdre Boelke, NEFMC Staff,
Scallop PDT Chair**

October 7, 2015 – Boston, MA

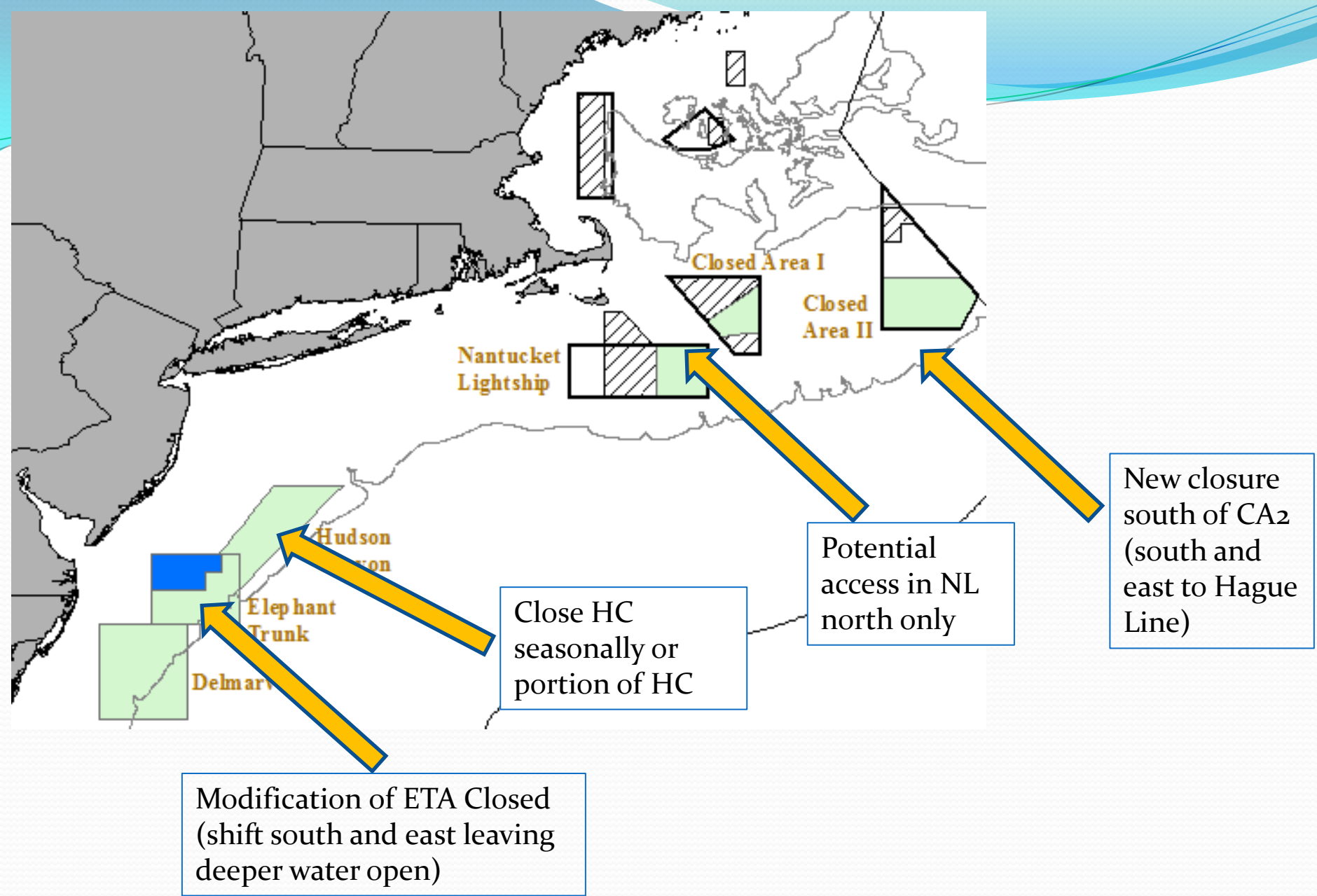


**New England
Fishery Management Council**

Agenda

- Review and finalize OFL and ABC estimates for FW27
- Review preliminary FW27 projections including discussion of updated LPUE function
- Discuss final range of alternatives including:
 1. possible expansion of ETA closed
 2. possible closure of HC
 3. closure of CA2 extension
 4. limited access in NL
- SAMS online progress





Framework 27 – Document #2

Purpose and Need

- The purpose of this action is to prevent overfishing and improve yield-per-recruit from the fishery.
- The need for this action is to set specifications to adjust the day-at-sea (DAS) allocations, general category fishery allocations and area rotation schedule for 2016 and 2017 (default)
- No additional measures considered



Potential Fishery Specifications

- **No Action – Default measures**
26DAS (75% of projected 34 DAS); 1 MA access area trip;
3.7 mil lbs for LAGC IFQ
- **Base Run – Projected catch over 45 million lbs.**
(modest increase in DAS and IFQ; 3 access area trips)
- **Additional measures to protect small scallops**
 - Expand Elephant Trunk closed
 - Close all or part of Hudson Canyon
 - Close area south and east of Closed Area II
- **Consider limited access in Nantucket Lightship north**

FY2015 – 38 million lbs.; 31 DAS; 3 access area trips; 3.0 mill lbs for LAGC IFQ (not a FW27 alternative)

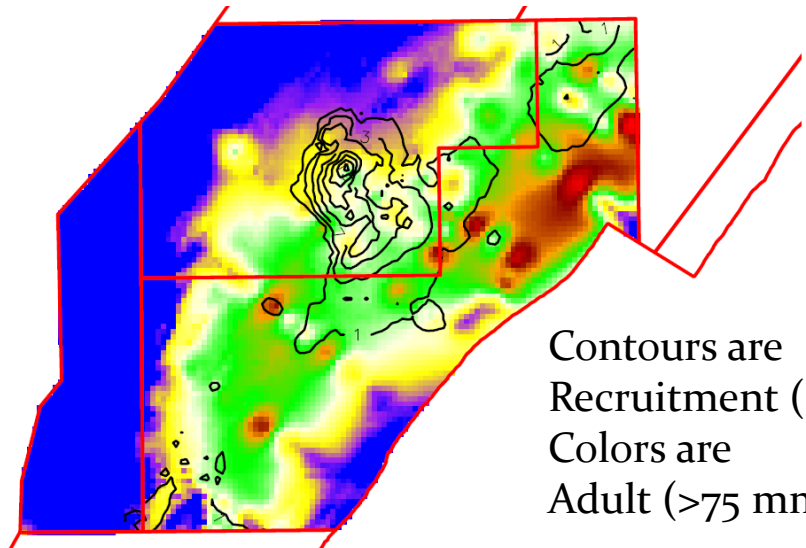
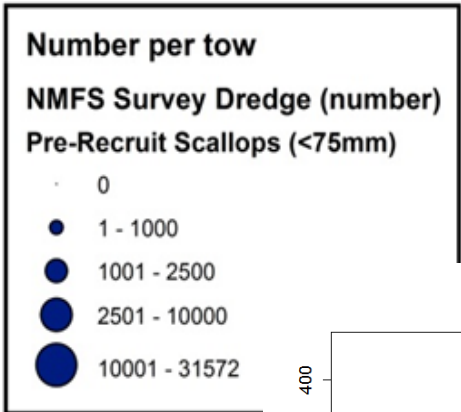
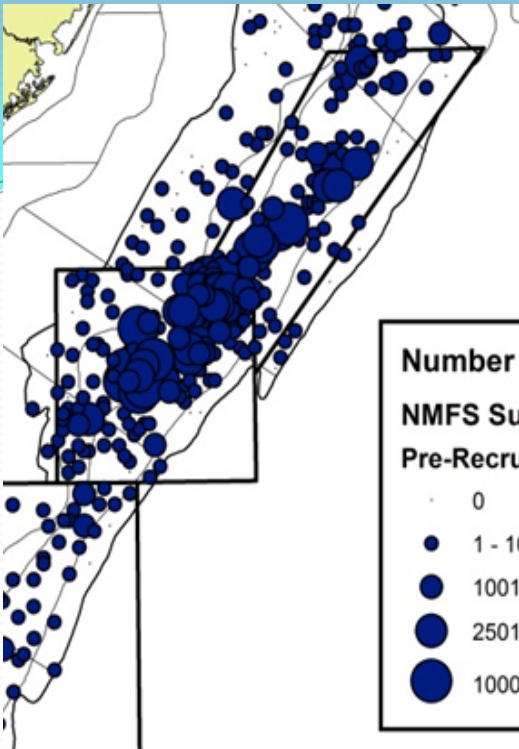
Alternatives to date (in excel file)

1. No Action
2. Base Run
3. Base run plus closure of CA2 extension
4. Base run with limited access in NL
5. Base run with added assumption of density dependent mortality
6. Status Quo – 2015 allocations

Preliminary Results – Do not reference

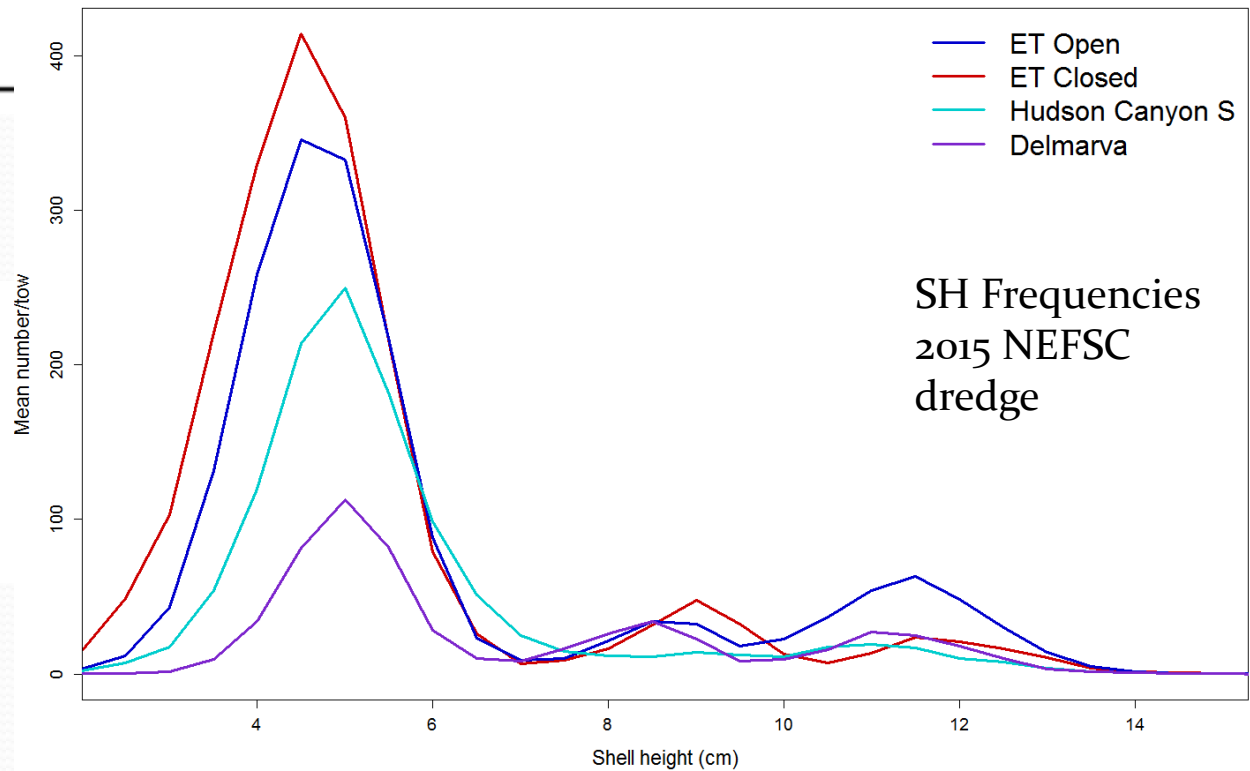
Runs to discuss further

- Expansion of ETA closed
- HC closure (part of area or seasonal only)
- Combined runs (i.e. CA2 expansion + ETA expansion)

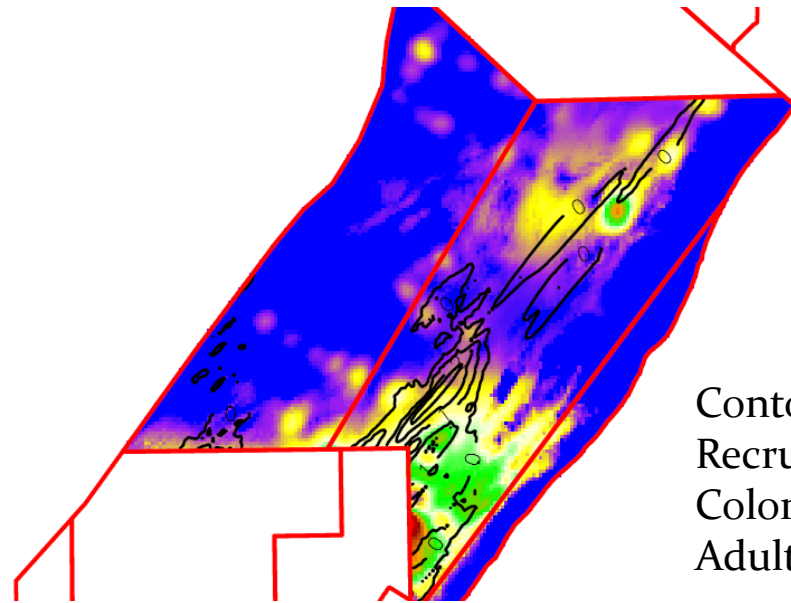
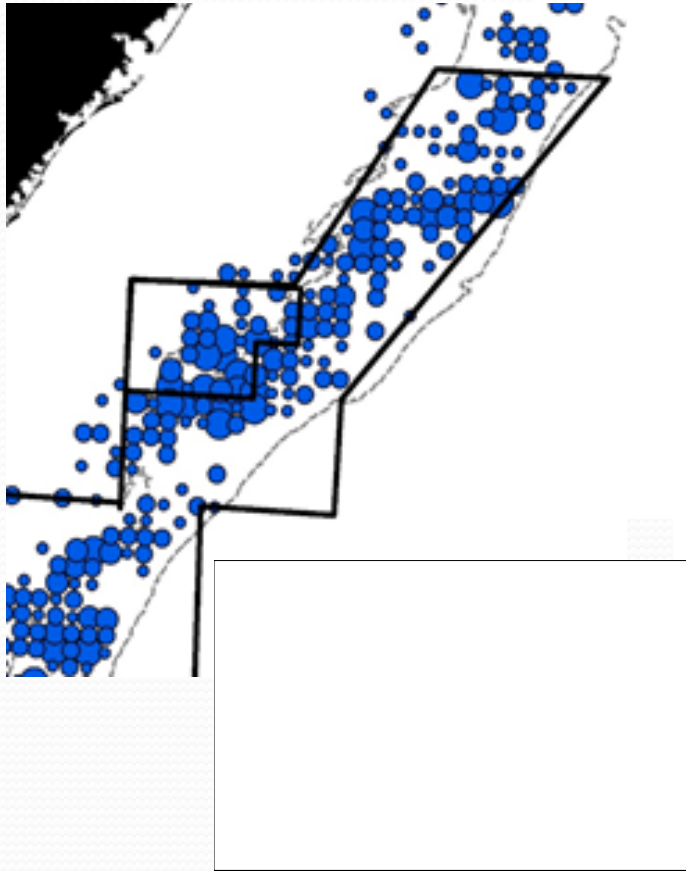


Contours are Recruitment (<75 mm)
 Colors are Adult (>75 mm)

ETA closed Extension

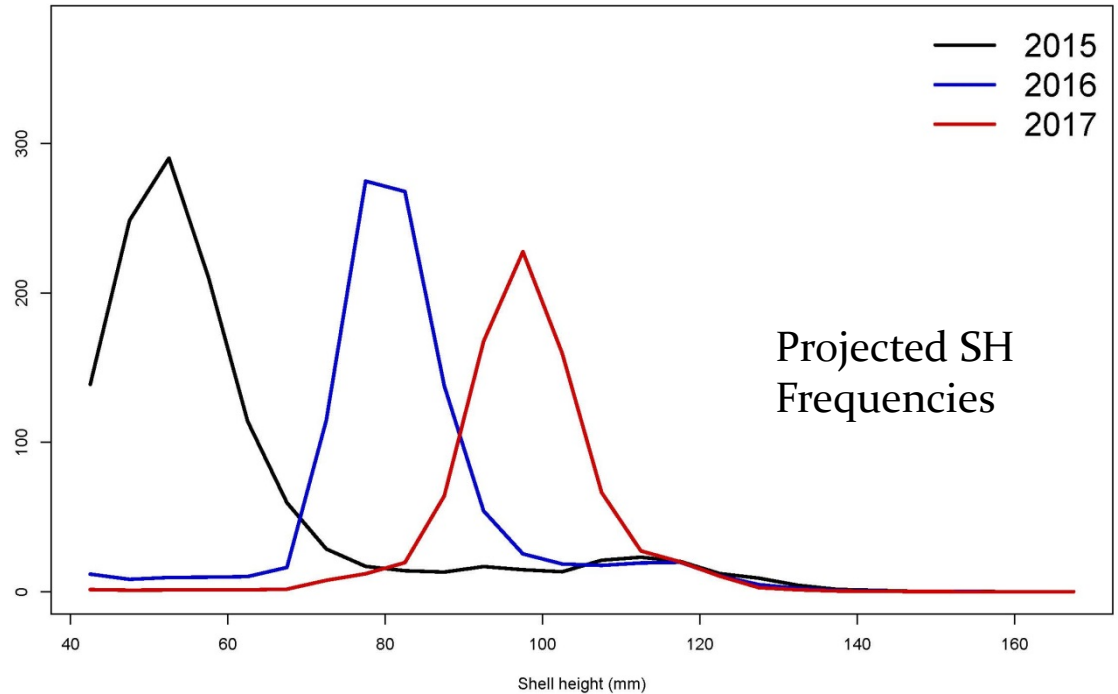


HC Closure

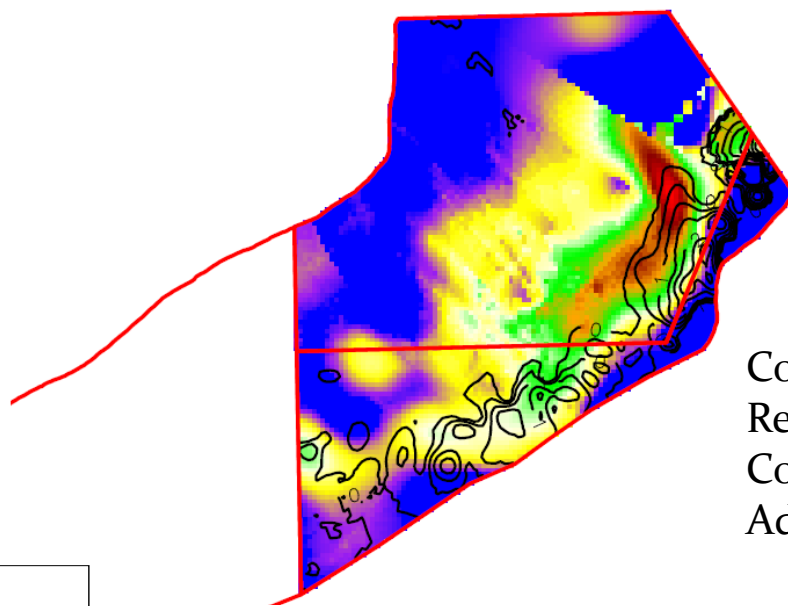


Contours are
Recruitment (<math><95\text{ mm}</math>)
Colors are
Adult (>95 mm)

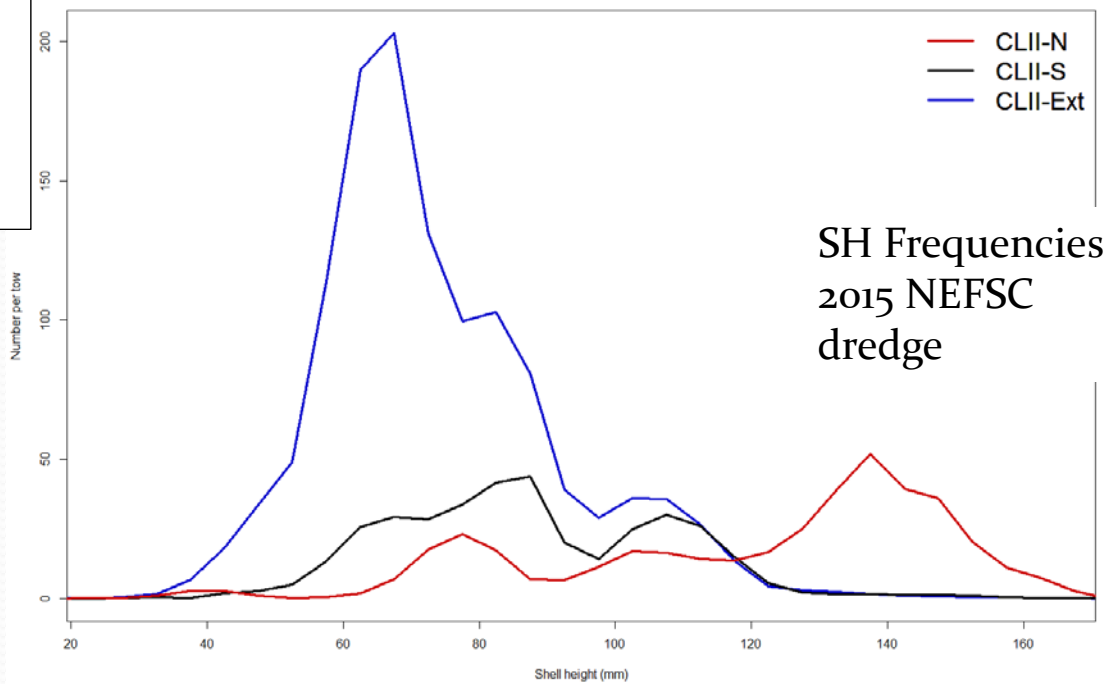
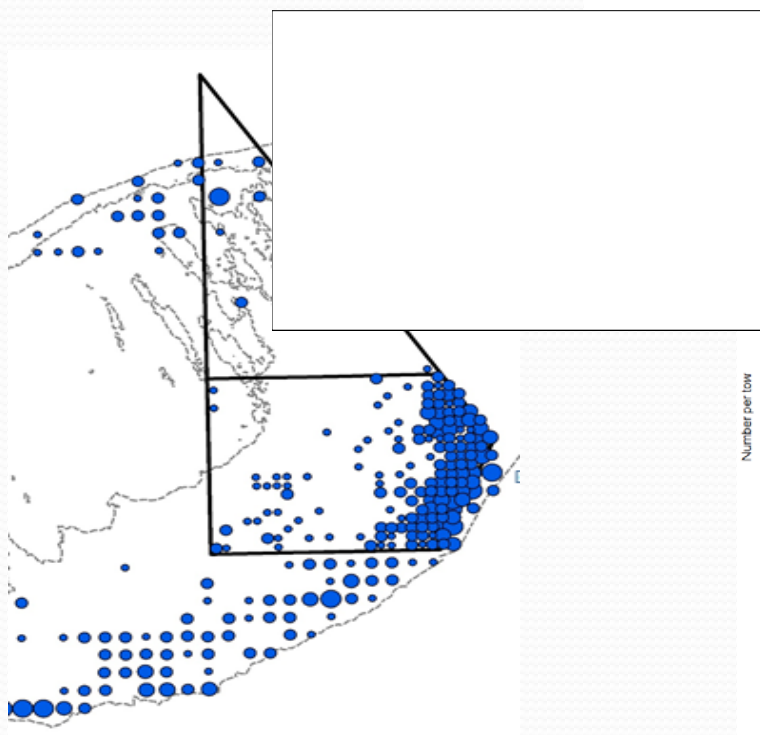
Hudson Canyon S



CA2 Extension

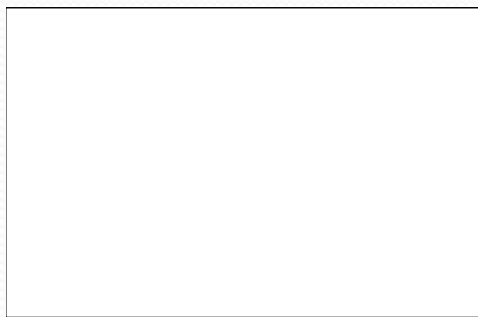
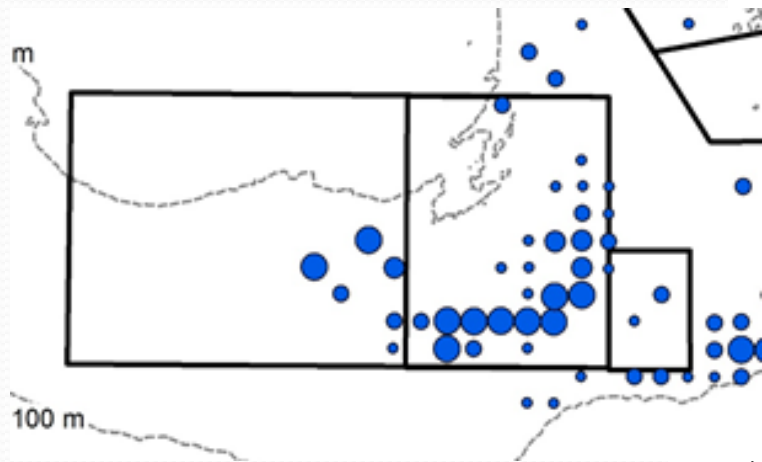


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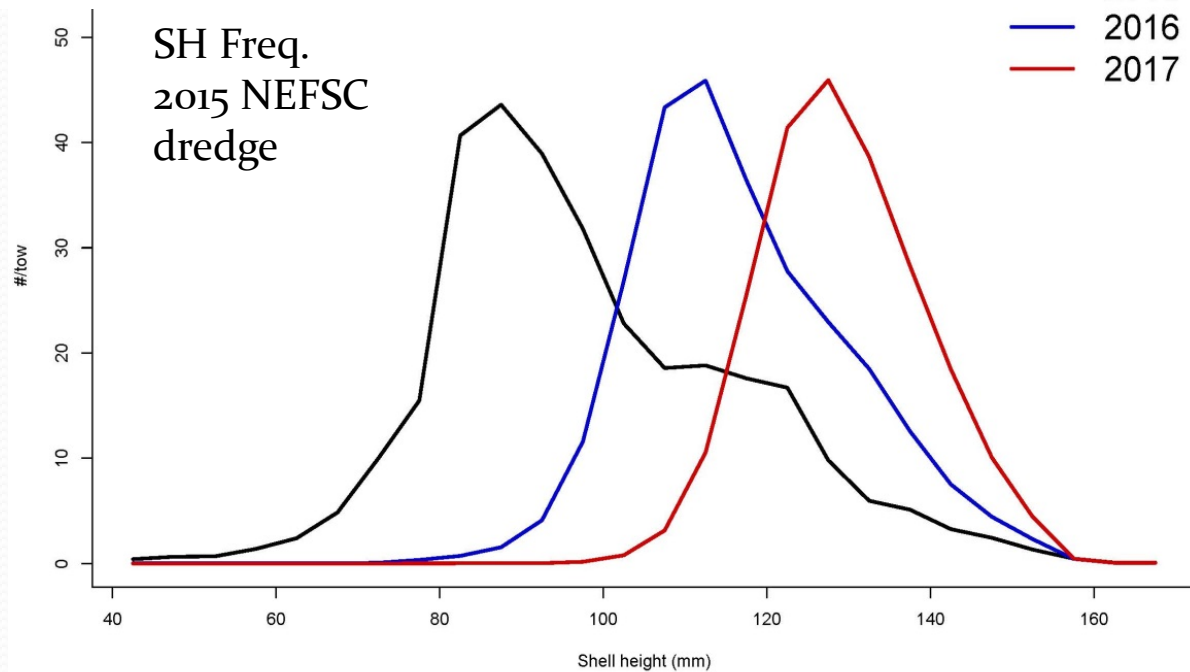
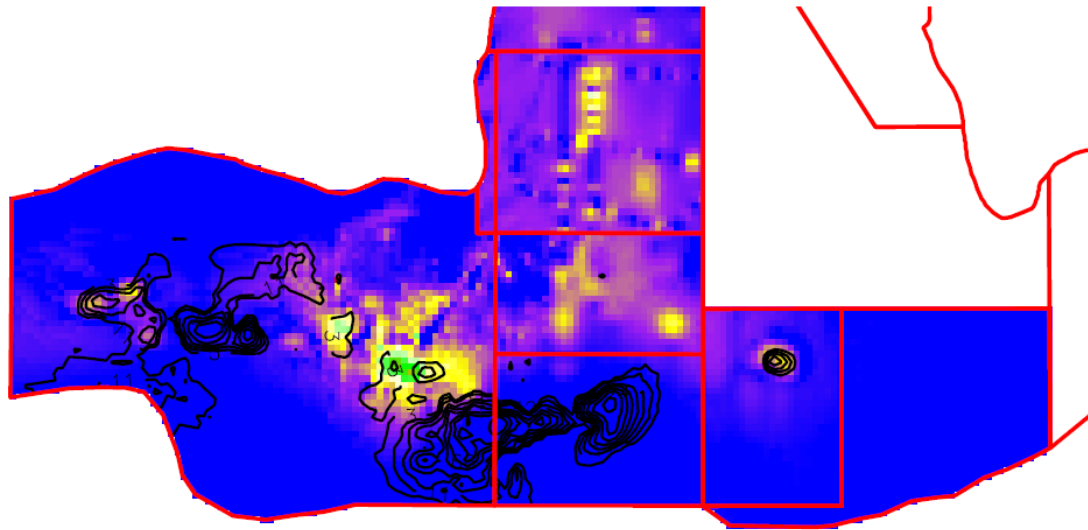


SH Frequencies
2015 NEFSC
dredge

NL Access



Unit: million/mt per 0.5625 km²
Contour: <100mm (million) Color: >=100mm (mt)



FY2016

Summary of runs to date

	OverallF	OpF	Total landings	LPUE ALL	LPUE OPEN	TDAS	OA DAS	ARSWPT
1. No Action	0.06	0.36	30.6	2389	2386	12813	26	2329
2. Basic alt	0.11	0.48	48.5	2347	2306	20674	36	3614
3. c2xclosed	0.10	0.48	46.9	2336	2288	20092	35	3521
4.nls	0.11	0.48	48.5	2365	2306	20516	36	3609
5.densdep	0.14	0.48	47.9	2352	2292	20348	36	3773
7. SQ	0.11	0.41	44.8	2346	2350	19100	31	3058

ST and LT Landings (mil lbs)

subperiod	Fishing year	1. No Action	7. SQ	2. Basic alt	3. c2xclosed	4.nls	5.densdep
2016-2017	2016	31	45	49	47	49	48
	2017	88	84	83	84	83	67
2016-2017 Total		118	129	131	131	132	115
2018-2010	2018	118	115	114	119	114	80
	2019	136	133	132	131	132	82
	2020	116	115	115	116	115	68
2018-2010 Total		370	363	361	366	361	231
2021-2029	2021	96	95	95	94	95	58
	2022	78	78	78	77	78	51
	2023	68	68	68	67	68	47
	2024	63	63	63	63	63	46
	2025	61	61	61	61	61	46
	2026	62	62	62	61	62	46
	2027	62	62	62	62	62	46
	2028	61	61	61	61	61	47
	2029	65	65	65	65	65	49
2021-2029 Total		615	615	614	612	614	437
Grand Total		1104	1107	1106	1108	1107	782

ST and LT DAS for FT LA vessels

subperiod	Fishing year	1. No Action	2. Basic alt	7. SQ	3. c2xclosed	4.nls	5.densdep
2016-2017	2016	26	36	31	35	36	36
	2017	52	47	48	49	47	45
2016-2017 Total		78	83	79	84	83	81
2018-2010	2018	54	49	50	52	49	48
	2019	122	112	112	112	112	73
	2020	108	103	103	103	103	70
2018-2010 Total		284	264	265	267	264	191
2021-2029	2021	84	81	81	82	81	59
	2022	72	70	70	70	70	54
	2023	66	65	65	65	65	51
	2024	63	62	62	62	62	50
	2025	62	61	61	61	61	50
	2026	63	63	63	63	63	51
	2027	64	64	64	64	64	51
	2028	64	63	63	63	63	51
	2029	69	69	69	69	69	55
	2021-2029 Total		607	598	598	599	598
Grand Total		969	945	942	950	945	744

ST and LT LPUE estimates

subperiod	Fishing year	1. No Action	2. Basic alt	7. SQ	3. c2xclosed	4.nls	5.densdep
2016-2017	2016	2389	2347	2346	2336	2365	2352
	2017	2719	2695	2708	2681	2695	2640
2016-2017 Total		2554	2521	2527	2509	2530	2496
2018-2010	2018	2903	2890	2898	2901	2889	2762
	2019	2561	2560	2567	2594	2559	2533
	2020	2823	2822	2821	2814	2822	2473
2018-2010 Total		2762	2757	2762	2770	2757	2589
2021-2029	2021	2887	2886	2887	2872	2885	2459
	2022	2710	2709	2710	2696	2708	2329
	2023	2574	2573	2574	2564	2572	2279
	2024	2504	2503	2504	2498	2503	2260
	2025	2470	2470	2471	2467	2470	2253
	2026	2446	2447	2447	2445	2446	2255
	2027	2434	2436	2436	2434	2435	2258
	2028	2424	2425	2426	2425	2425	2248
	2029	2412	2413	2414	2413	2413	2245
	2021-2029 Total		2540	2540	2541	2535	2540
Grand Total		2590	2584	2586	2581	2585	2382

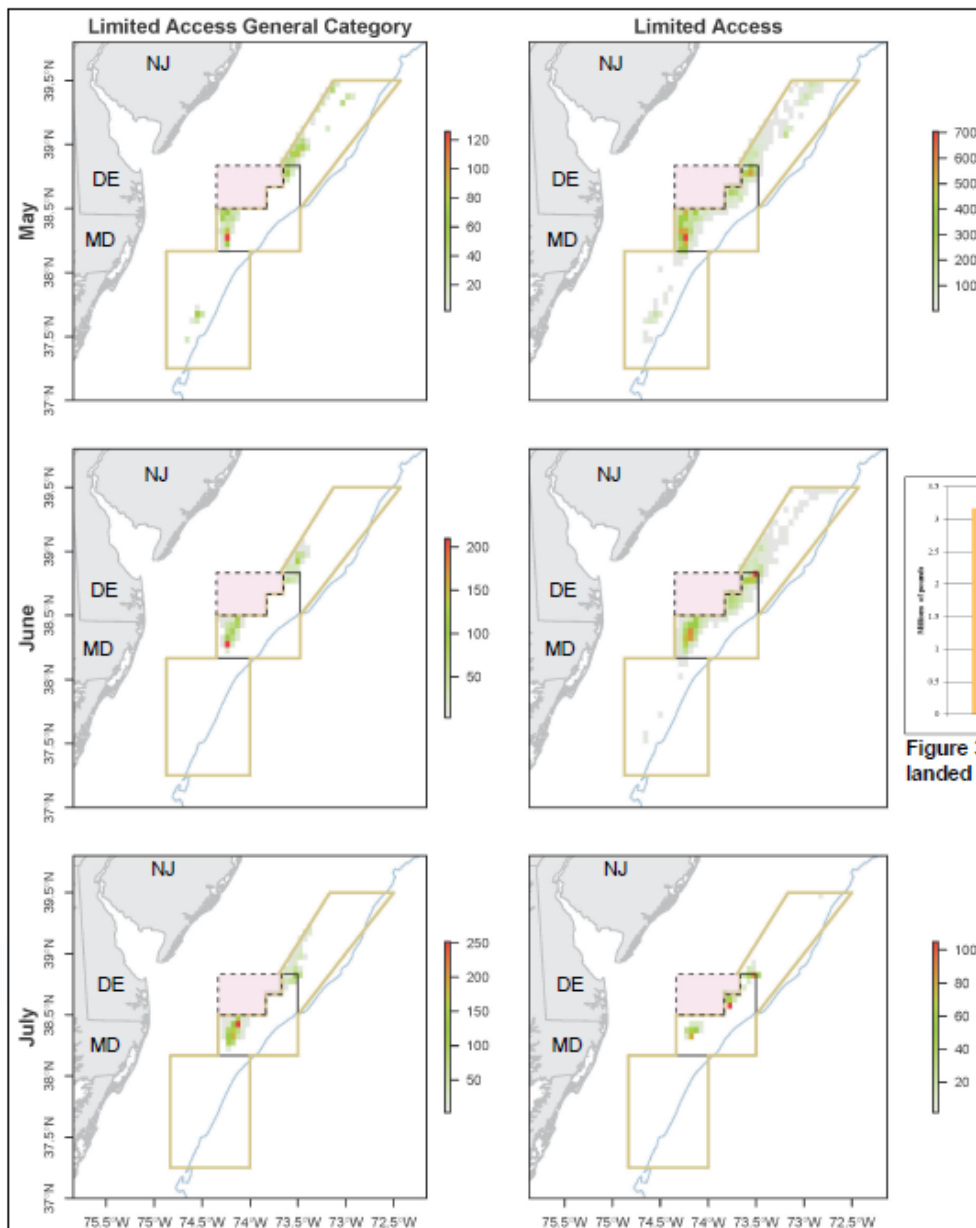


Figure 2. Total hours fished (color scale) by 3-minute (nautical mile) square for the Limited Access and Limited Access General Category scallop fisheries for May-July, 2015. Tan line delineates the Mid-Atlantic Access Area; the solid black line indicates the Elephant Trunk border; the dotted line and pink area indicates the closed portion of Elephant Trunk. Blue line is the 50 fathom contour.

MA AA usage

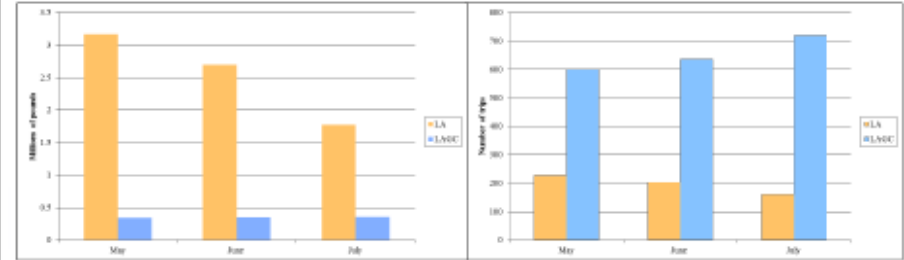


Figure 3. Traditional access area monitoring for LA and LAGC. Pounds of scallop meats landed and number of trips from May-July 2015.

11 million through August

What's next?

- SSC Meeting – October 13, 2015 to approve OFL/ABC
- PDT Meeting/Call - October 28, 2015 to review analyses
- AP and Cmte Meetings - Nov 18 and 19 to review analyses and select preferred alternatives
- Final Council Action – December 1-3, 2015
- FW27 implementation in April 2016