



October Scallop Meetings

Jonathon Peros, NEFMC Staff

Joint Scallop PDT & AP Meeting

October 23, 2019

Scallop Committee Meeting

October 24, 2019



Upcoming Meetings (2019)

- October 23/24 – PDT/AP & CTE (New Bedford, MA)
- PDT Call on Nov. 5th (9:30am start)
- In-person PDT meeting week of 11th (~Boston)
- November 19/20 – AP & CTE (Providence, RI)
- Framework 32 Final Action – December Council
- **April 1 – Target Implementation**

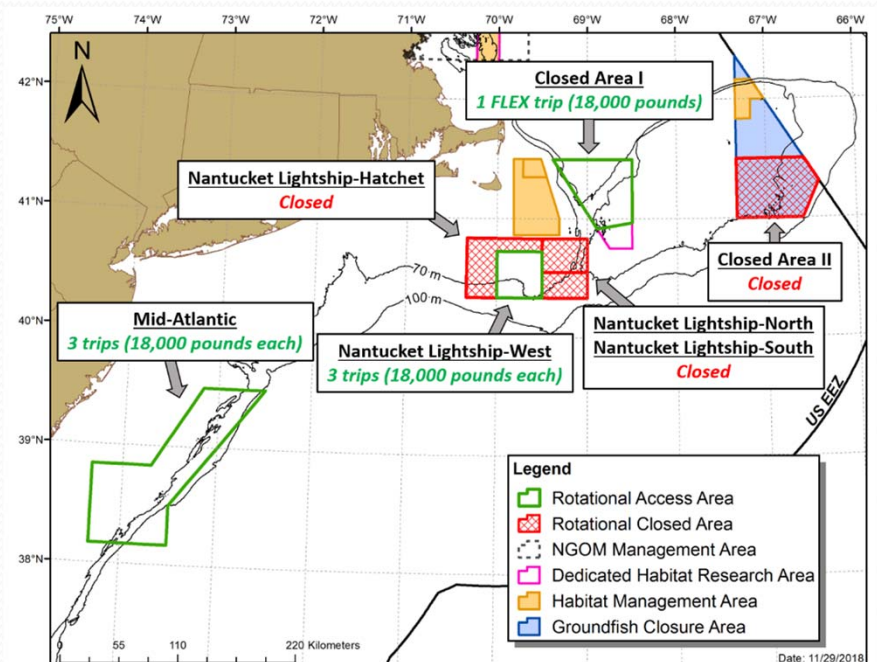
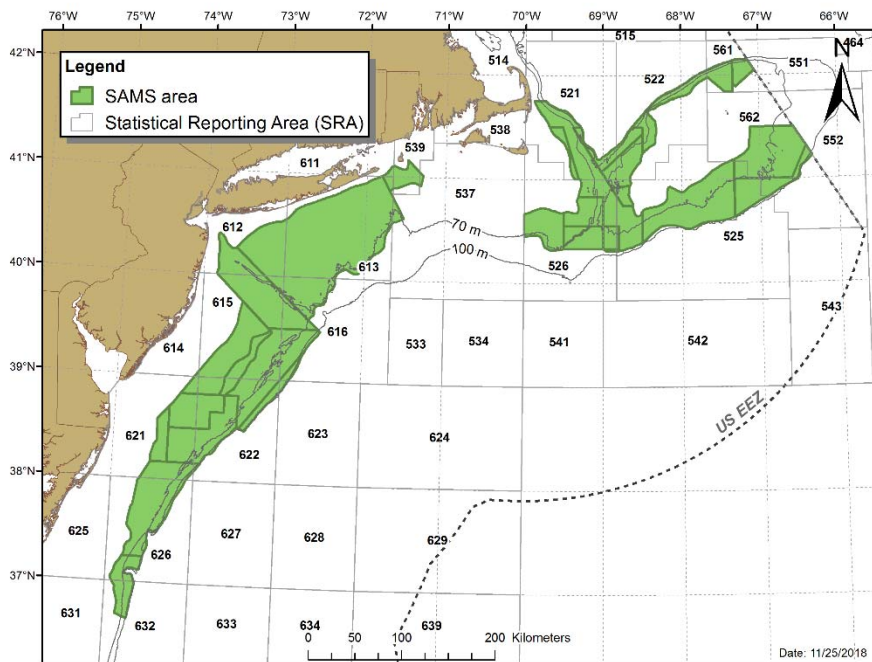
UPDATE: 2019 & 2020 OFL and ABC

Year	ABC	OFL
2020	45,414	59,186
2021	36,435	47,503

- OFL and ABC estimates for FY 2020 are similar to the FY 2020 values approved by the SSC last year.
- Estimates for FY 2021 represent a decline from the record high levels observed in recent years.
- Several reasons for the decline between 2020 and 2021: (1) 2012 & 2013 year classes are being fished; (2) Areas that were formally closed (OHA2) are now being fished; (3) extended period of low recruitment.

**FY 2020 ACL
(F=0.5 I)
~98 million lbs**

**“Spatial Management”
FY 2019 Proj. Landings
62.5 million lbs
(~50% of the 2019 ACL)**





Specification Discussion

Presentations:

- Update from SSC meeting (Oct. 17, 2019)
- SAMS model runs and outputs – Dr. Dvora Hart
- FW32 specification considerations
- Measures to reduce fishery impacts (RSA comp fishing)
- NGOM closures and TAC considerations

Several anticipated outcomes from this meeting:

- See memo from Committee Chair Vincent Balzano
- **Focus on recommending alternatives for FW32**

Specification Discussion Outline

1. Rotational management (~three alternatives)
 - FT LA trip limits
 - Number of trips in each access area
 - Access area configurations (EX: CALL and NLS)
 - Open bottom configuration and F rates for calculating open bottom DAS
2. 2021 Default measures – Allocate AA trips?
3. Distribution of LAGC IFQ AA trips.
 1. EX: where to re-direct CALL trips?

Specification Discussion Outline (part 2)

4. AP input on Part-time allocations.
5. Reducing fishery impacts: Where can RSA comp fishing take place? (S.Asci slides)
6. Northern Gulf of Maine: Potential closure areas to protect small scallops, and target F rates.



Specifications for 2020

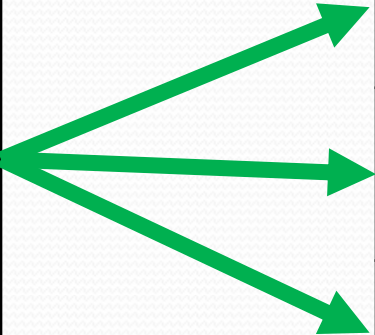
NOTE: Projections use several open bottom configurations.

- Mix and match open area F rates with access area scenarios. Consider:
 - DAS (landings) associated with each open area F
 - Total pounds coming from rotational areas
- Outcome: Interpret a wider range of options than just the projection runs that were completed.
- See example on next slide.

Specifications for 2020

EXAMPLE: Can mix and match open area F rates with access area scenarios.

F=0.23	<u>PDT Run</u> 19 FT LA DAS CAII-EXT Closed and NLS-W OPEN	5 trips 18k lbs	~30 mil lbs
	<u>Staff Adjust</u> 18 FT LA DAS CAII-EXT and NLS-W Closed	6 trips 18k lbs	~36 mil lbs
		5 trips 15k lbs	~25 mil lbs



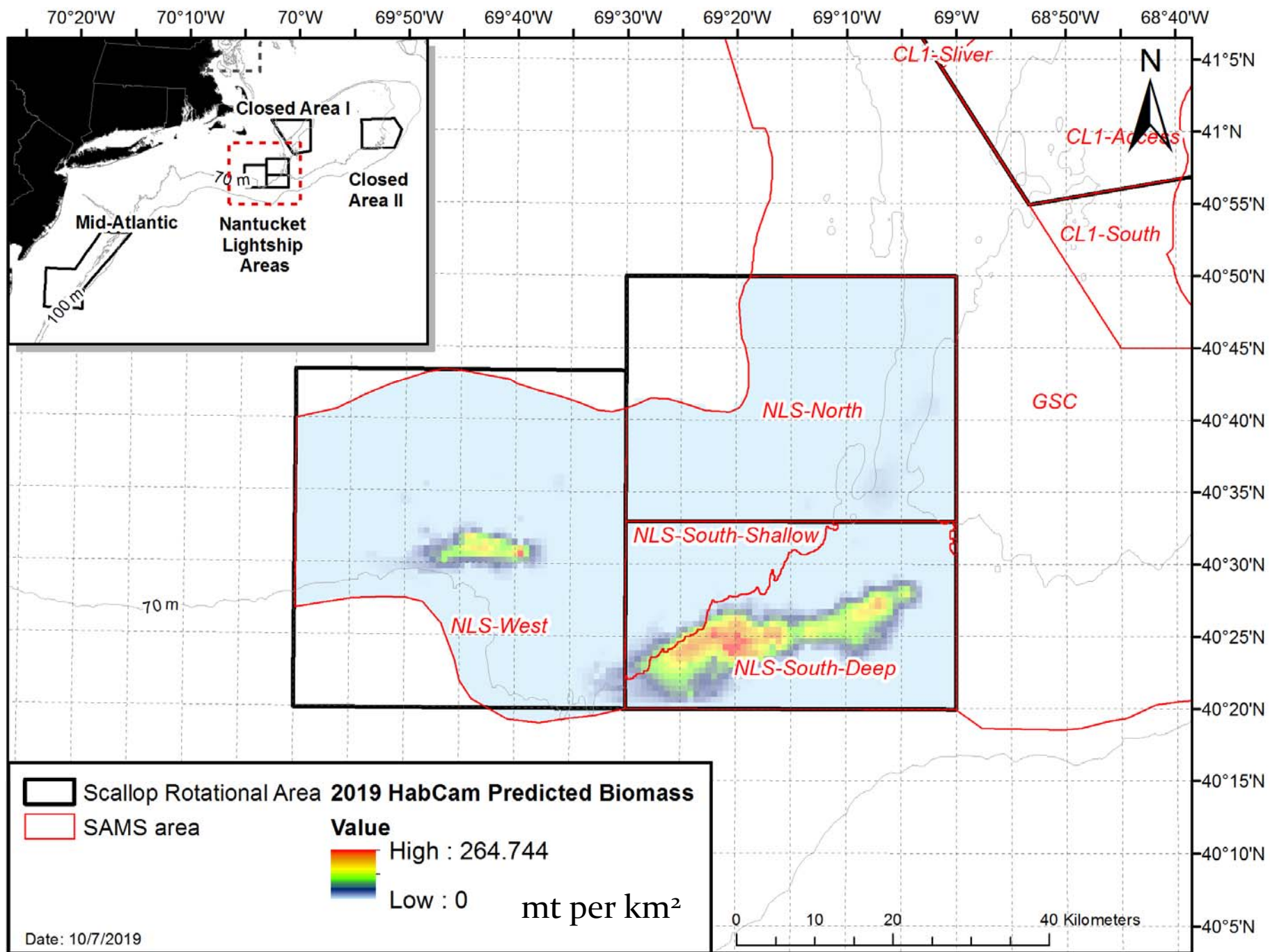
Rotational Harvest

MAAA → Multiple trips;

Multiple trip limits (15k and 18K)

One 18,000 lbs FT trip is around 6 mil lbs.	4 trips	5 trips	6 trips
	24 mil.	30 mil.	36 mil.

One 15,000 lbs FT trip is around 5 mil lbs.	4 trips	5 trips	6 trips
	20 mil.	25 mil.	30 mil.

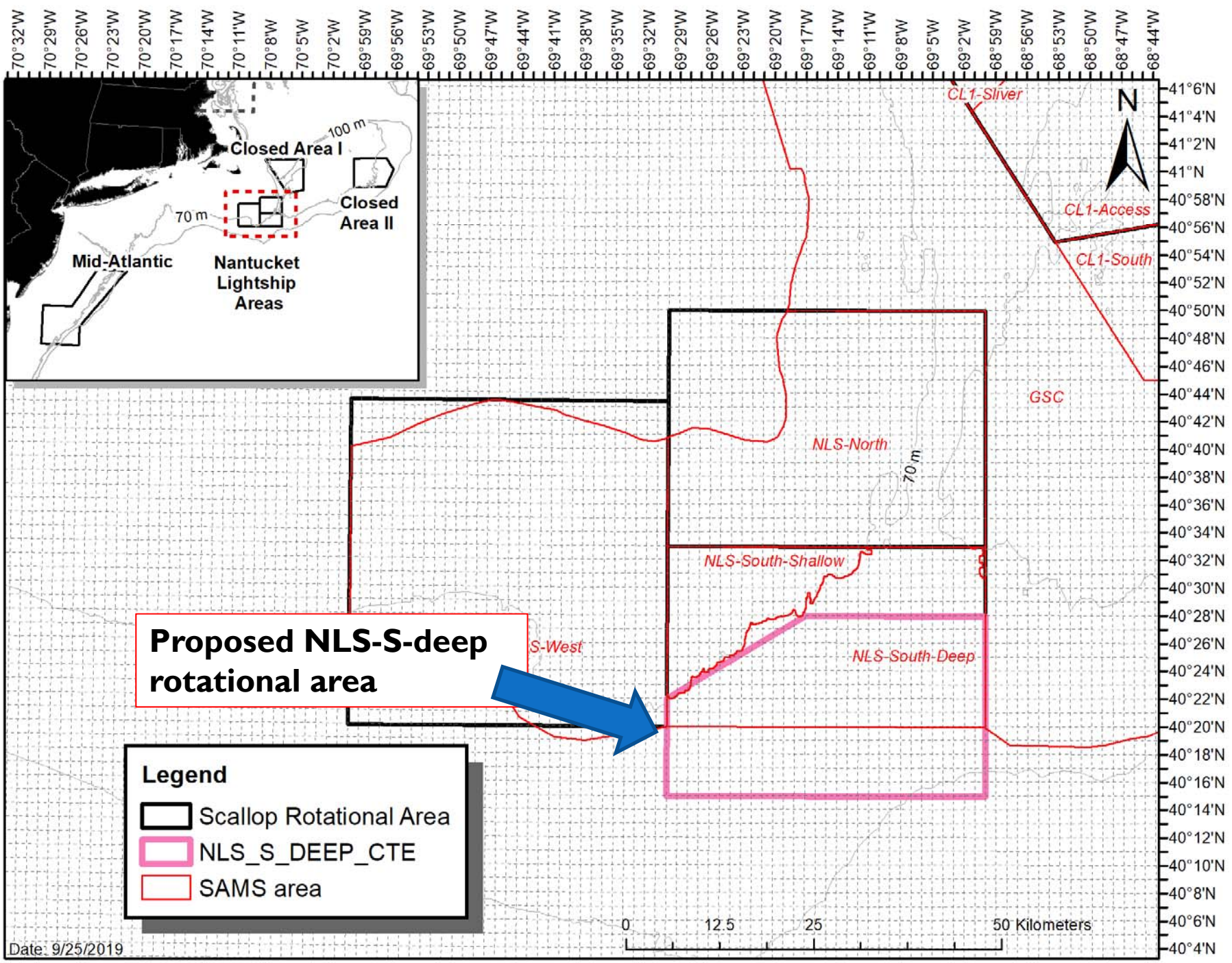


Scallop Rotational Area **2019 HabCam Predicted Biomass**
 SAMS area

Value
 High : 264.744
 Low : 0

mt per km²

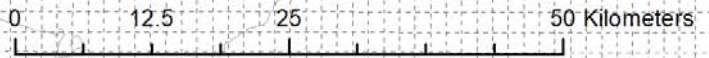
Date: 10/7/2019



Proposed NLS-S-deep rotational area

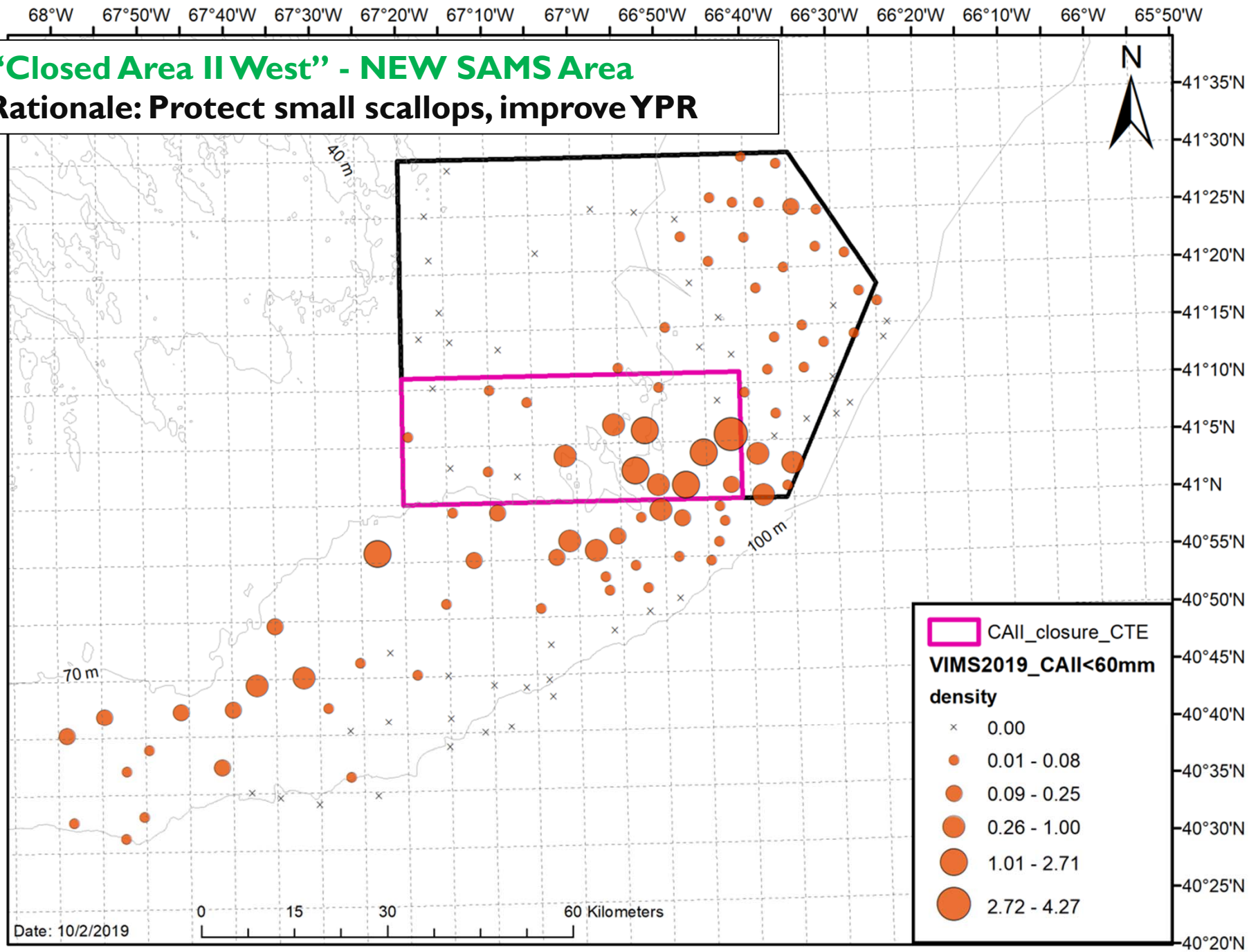
- Legend**
- Scallop Rotational Area
 - NLS_S_DEEP_CTE
 - SAMS area

Date: 9/25/2019



“Closed Area II West” - NEW SAMS Area

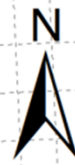
Rationale: Protect small scallops, improve YPR



68°35'W 68°20'W 68°5'W 67°50'W 67°35'W 67°20'W 67°5'W 66°50'W 66°35'W 66°20'W 66°5'W 65°50'W 65°35'W 65°20'W 65°5'W 64°50'W

Potential Rotational Closures of CAII-West and CAII-EXT

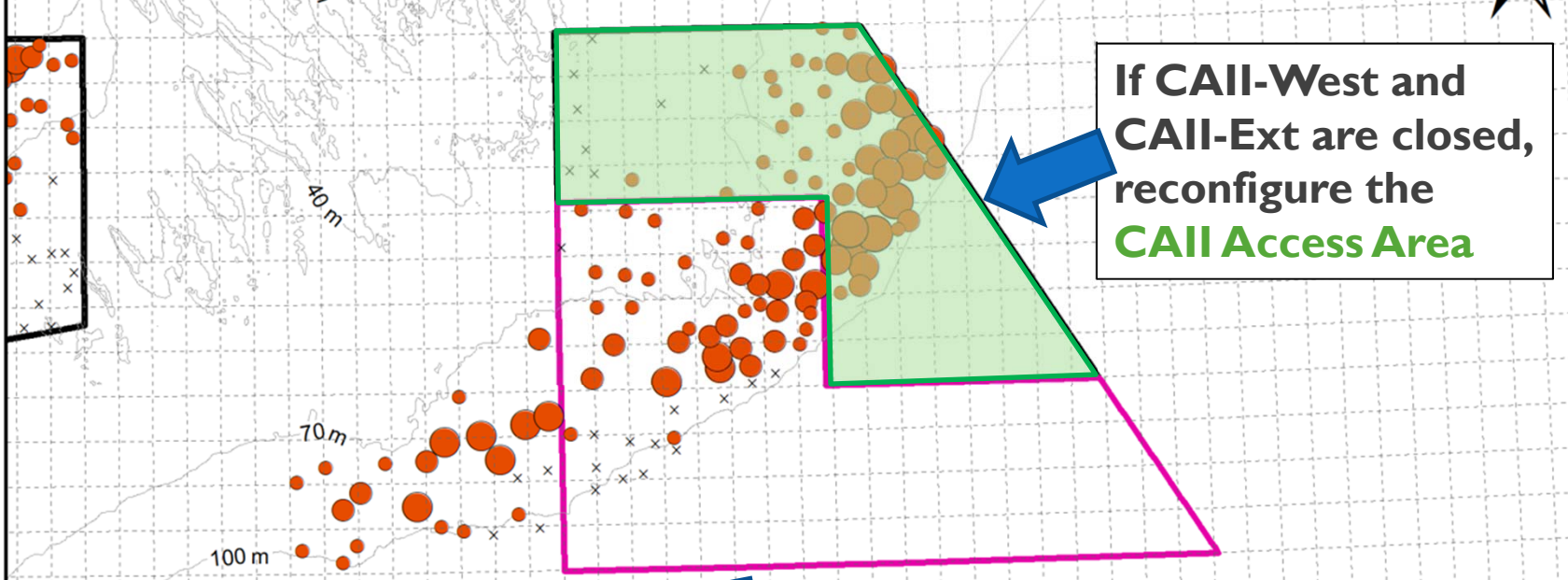
Rationale: Protect small scallops, improve YPR



41°40'N
41°35'N
41°30'N
41°25'N
41°20'N
41°15'N
41°10'N
41°5'N
41°N
40°55'N
40°50'N
40°45'N
40°40'N
40°35'N
40°30'N
40°25'N
40°20'N
40°15'N
40°10'N
40°5'N
40°N
39°55'N
39°50'N
39°45'N
39°40'N
39°35'N
39°30'N

If CAII-West and CAII-Ext are closed, reconfigure the CAII Access Area

CAII West and CAII Ext closure shown in pink



CAII_closure_PDT_DRAFT

Scallop_Areas_FY2020_DRAFT_v4

VIMS2019_CAII>60mm density

- × 0.00
- 0.01 - 0.08
- 0.09 - 0.25
- 0.26 - 1.00
- 1.01 - 2.71
- 2.72 - 4.27

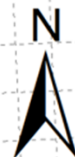
Date: 10/2/2019

0 30 60 120 Kilometers

68°35'W 68°20'W 68°5'W 67°50'W 67°35'W 67°20'W 67°5'W 66°50'W 66°35'W 66°20'W 66°5'W 65°50'W 65°35'W 65°20'W 65°5'W 64°50'W

Potential “Southeast Parts Closure”

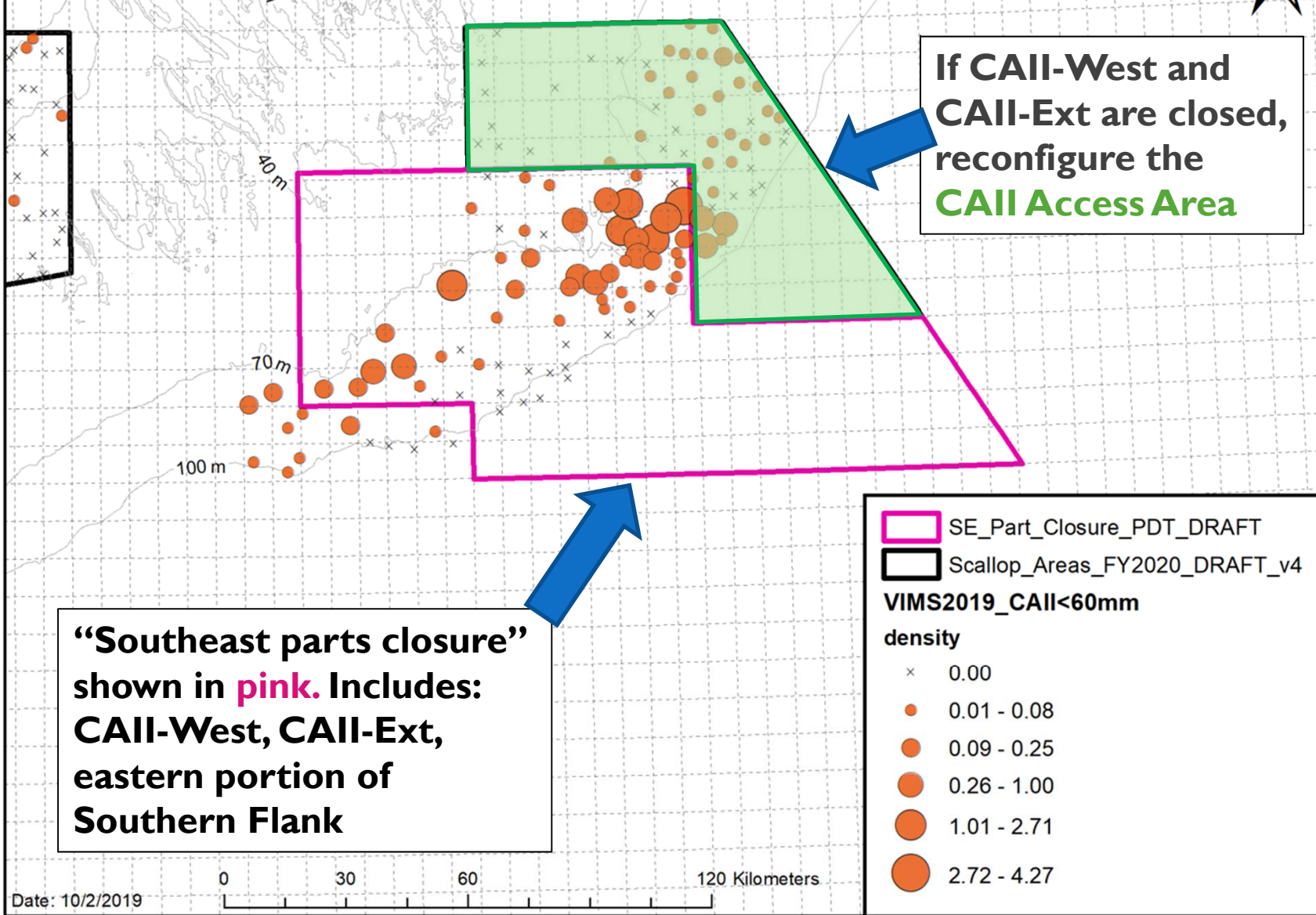
Rationale: Expanded Protection of small scallops, improve YPR



41°40'N
41°35'N
41°30'N
41°25'N
41°20'N
41°15'N
41°10'N
41°5'N
41°N
40°55'N
40°50'N
40°45'N
40°40'N
40°35'N
40°30'N
40°25'N
40°20'N
40°15'N
40°10'N
40°5'N
40°N
39°55'N
39°50'N
39°45'N
39°40'N
39°35'N
39°30'N

If CAII-West and CAII-Ext are closed, reconfigure the CAII Access Area

“Southeast parts closure” shown in pink. Includes: CAII-West, CAII-Ext, eastern portion of Southern Flank



Date: 10/2/2019





Discussion of SAMS Runs

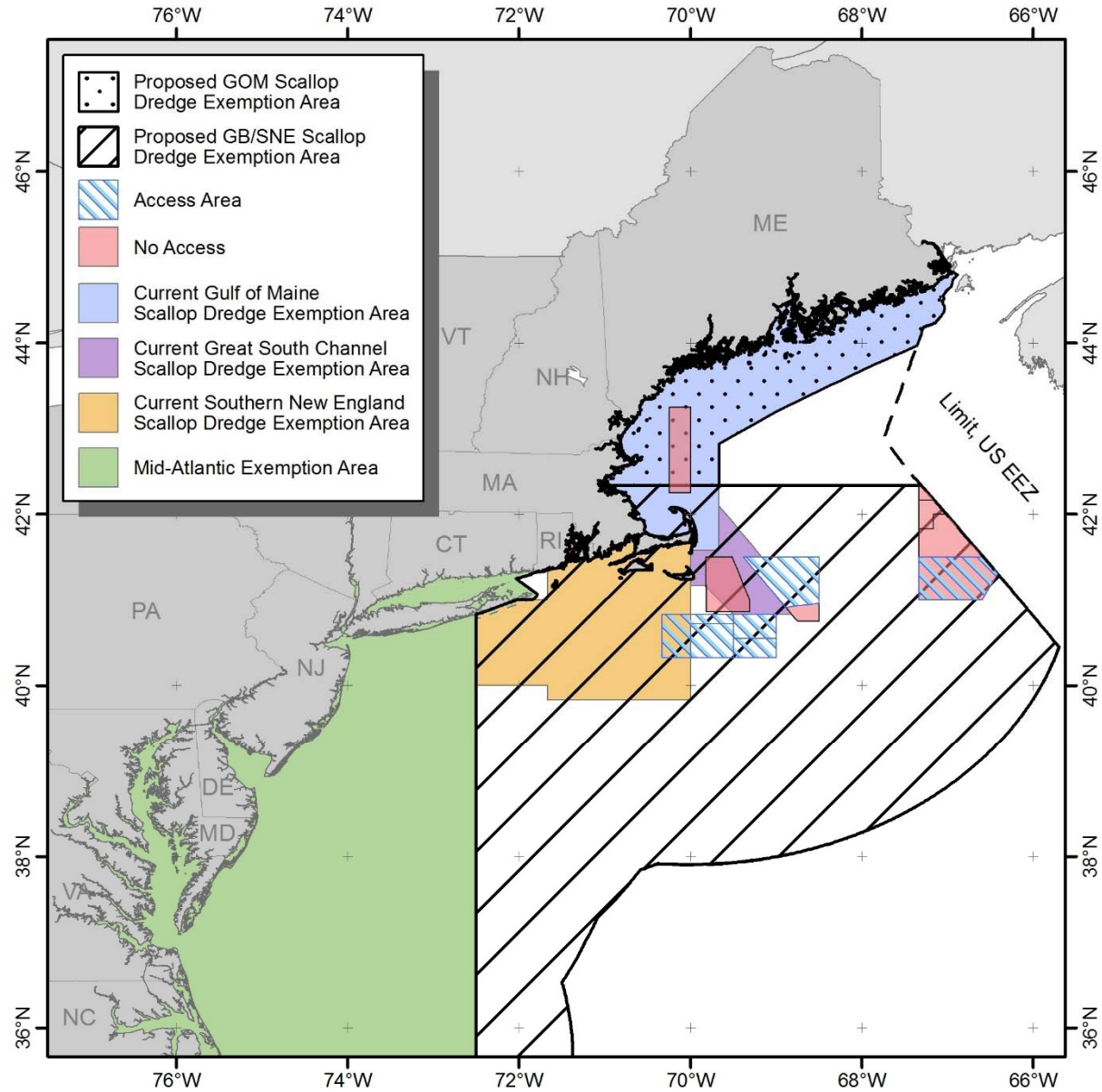
Dr. Dvora Hart



Default Measures for 2021

- Standard Default Measures:
 - Default specifications: Set DAS and LAGC IFQ quotas at 75% or previous years allocations.
 - Allocate 5.5% of access area allocations to the LAGC IFQ component for access area fishing.
- Council can deviate from this formula.
- **AP and Committee:** You may wish to identify Access Areas to be included as part of 2020 default measures. **PDT: Any input?**

Potential GB/SNE Dredge Exemption



IFQ AA Trips

- Standard default measures are in place → Allocate 5.5% of total access area allocation to LAGC IFQ component.
- **AP and Committee:** Need input on distribution of trips, specifically if Closed Area II is open.
 - In the past, Council has redirected CAII trips to other access areas.

FT LA Allocation to AA	LAGC IFQ Trips
9,000	285
15,000	476
18,000	571

IFQ AA Trips – Potential Approaches

Potential Options for Closed Area II trips:

FT LA Possession Limit	LAGC IFQ Trips
18,000	571

1. Distribute evenly across all open access areas (571/4)

NLS-S-deep	NLS-North	Closed Area I	MAAA
143	143	143	143

2. Distribute evenly across all GB access areas (571/3)

NLS-S-deep	NLS-North	Closed Area I
190	190	191

3. Other ideas?

PT Allocations for 2020

- Part time vessels get 40% of FT allocations.
 - EX: 5 trips at 18k for FT is the equivalent of 3 trips at 12K or 2 trips at 18K for PT.
- **AP and Committee:**
 - What is the lowest trip limit that is viable; what is a preferable trip limit?
 - Do PT vessels want/need access to all the same areas at FT or not?
 - What is the preference on total number of trips (range from 2 to 4 depending on different options)?
- **PDT will develop options for November meetings, include CTE preferred in FW32.**

GBYT Flounder

- Council priority to mitigate impacts in this action.
- Anticipated scallop sub-ACL is ~18 mt.

Proposed Plan (For Discussion):

1. Complete bycatch projections for FW32 alternatives. Compare the projected bycatch with the scallop sub-ACL.
 - *Year-round closures in GBYT stock area proposed.*
2. If projections are $<$ sub-ACL, recommend not developing additional measures (over and above what is being done in rotational management, such as Call-West and extension closure).
3. If projections $>$ sub-ACL, consider using the current reactive AM proactively (gear modification).

Other scallop sub-ACLs

- SSC met on Oct. 17 & 18 to make recommendations on OFLs and ABCs
- New catch limits for the four stocks with a scallop fishery sub-ACL.

Stock	Scallop sub-ACL calculation	Recommended ABC	Likely sub-ACL
SNE/MA Windowpane	<u>Fixed</u> percentage at 36%	426 mt	~150 mt
GB Yellowtail	<u>Fixed</u> percentage at 16% of US Share	162 mt (US Share ~120mt)	~18 mt
SNE/MA Yellowtail	<u>Recurring</u> estimate of catch.	22 mt	TBD
GOM/GB Windowpane	<u>Fixed</u> percentage at 21%	59 mt	~12 mt



Sam Asci presentation



NGOM Measures in FW32

- Document 3a.
- No change to how the NGOM area is managed → FW29.
 - Overall TAC, capping total removals.
 - Same formula for splitting the TAC. (first 70k to GC, then 50/50 split).
 - LA share available for RSA fishing.

NGOM TAC Setting:

Anticipated Outcome (need motions)

- Identify closure area to protect small scallops
- Identify F_{TARGET} rates for TAC setting, and the range of areas that are used to calculate the TAC.
- **PDT Recommendation from 2018:**
 1. Consider setting NGOM TAC using $F=0.2$ or $F=0.25$.
 2. Develop TAC using estimates of areas that are likely to be fished.
 3. Consider setting default measures at conservative level (or zero).

NGOM TAC Setting:

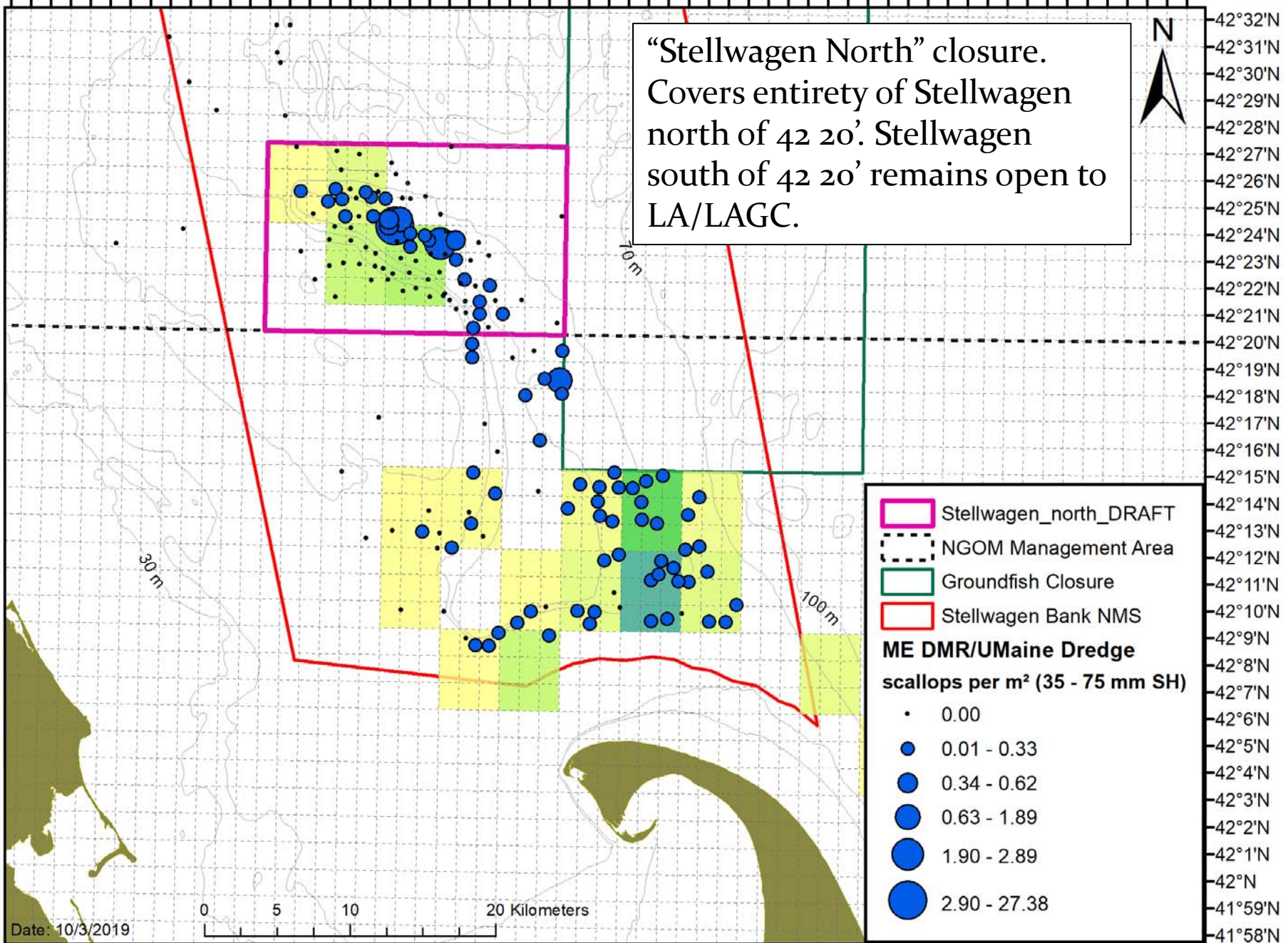
- FOR DISCUSSION & REFERENCE ONLY – these are NOT projections, this is 2019 survey data.

This is not how we set the TAC in the NGOM!

- Does not account for growth or natural mortality

Area NGOM ONLY	Mean Biomass (>75mm) lbs	20% Exploitation (lbs)	25% Exploitation (lbs)	MW All (g)	MW > 75mm (g)	Meat count of 75mm+
Platts Bank	17,637	3,527	4,409	19.6	18.63	24 count
Ipswich Bay	279,987	55,997	69,997	18	20.03	23 count
Machias Seal Isl.	630,522	126,104	157,631	11.9	11.94	38 count
Stellwagen Bank	1,276,476	255,295	319,119	2.2	46.21	10 count
Southern Jeffreys	1,479,302	295,860	369,825	19.4	31.23	14/15 count
Total NGOM	3,683,924	736,785	920,981	6.6	33.18	

70°43'W 70°39'W 70°35'W 70°31'W 70°27'W 70°23'W 70°19'W 70°15'W 70°11'W 70°7'W 70°3'W 70°W 69°56'W 69°52'W 69°48'W 69°44'W



“Stellwagen North” closure.
Covers entirety of Stellwagen
north of 42 20'. Stellwagen
south of 42 20' remains open to
LA/LAGC.

- Stellwagen_north_DRAFT
 - NGOM Management Area
 - Groundfish Closure
 - Stellwagen Bank NMS
- ME DMR/UMaine Dredge
scallops per m² (35 - 75 mm SH)**
- 0.00
 - 0.01 - 0.33
 - 0.34 - 0.62
 - 0.63 - 1.89
 - 1.90 - 2.89
 - 2.90 - 27.38

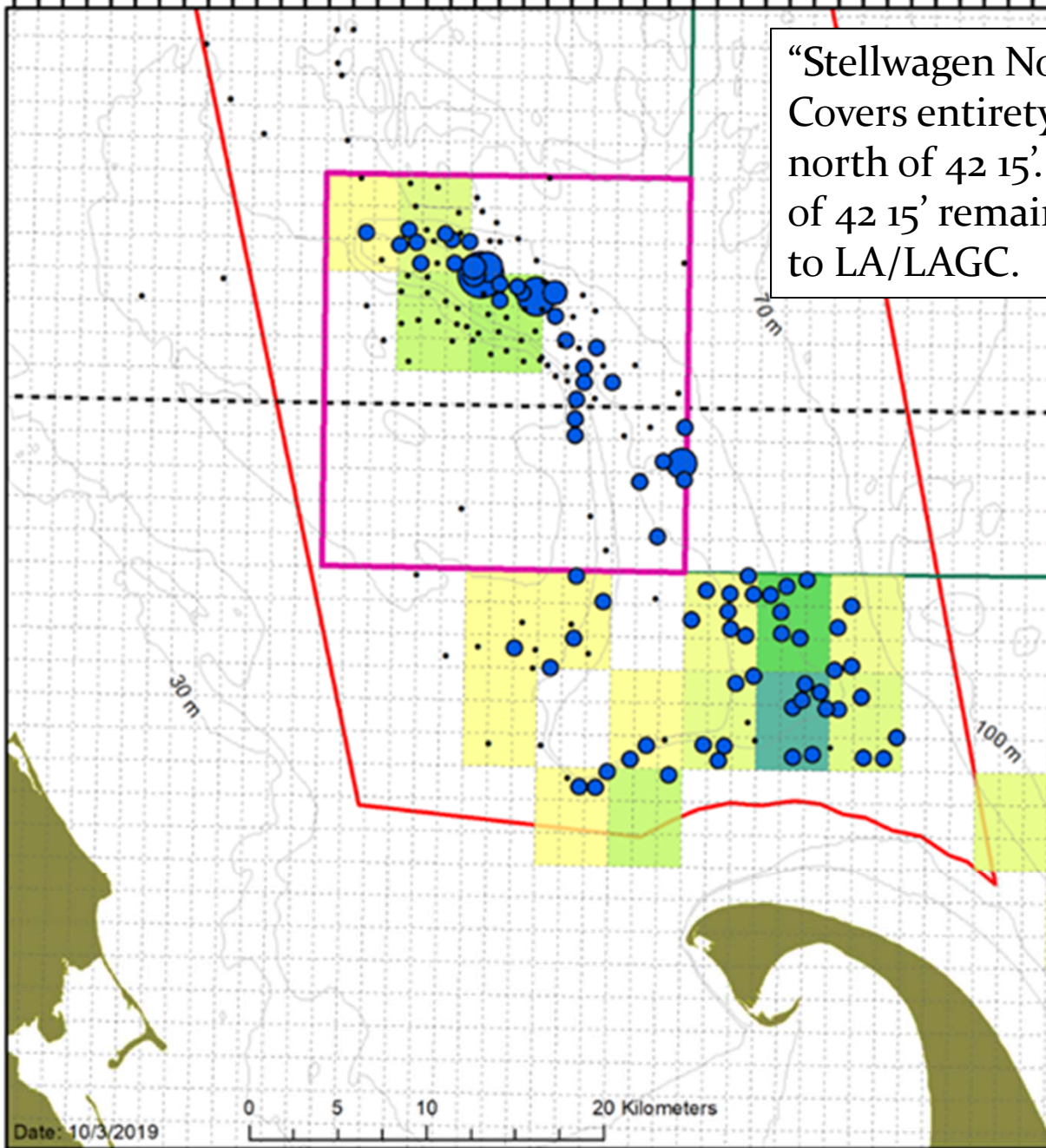
Date: 10/3/2019

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42°32'N
42°31'N
42°30'N
42°29'N
42°28'N
42°27'N
42°26'N
42°25'N
42°24'N
42°23'N
42°22'N
42°21'N
42°20'N
42°19'N
42°18'N
42°17'N
42°16'N
42°15'N
42°14'N
42°13'N
42°12'N
42°11'N
42°10'N
42°9'N
42°8'N
42°7'N
42°6'N
42°5'N
42°4'N
42°3'N
42°2'N
42°1'N
42°N
41°59'N
41°58'N

“Stellwagen North v.2” closure.
Covers entirety of Stellwagen
north of 42 15'. Stellwagen south
of 42 15' remains open bottom
to LA/LAGC.



Stellwagen_closure_v2
NGOM Management Area
Groundfish Closure
Stellwagen Bank NMS

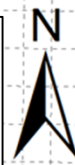
**ME DMR/UMaine Dredge
scallops per m² (35 - 75 mm SH)**

- 0.00
- 0.01 - 0.33
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Date: 10/3/2019

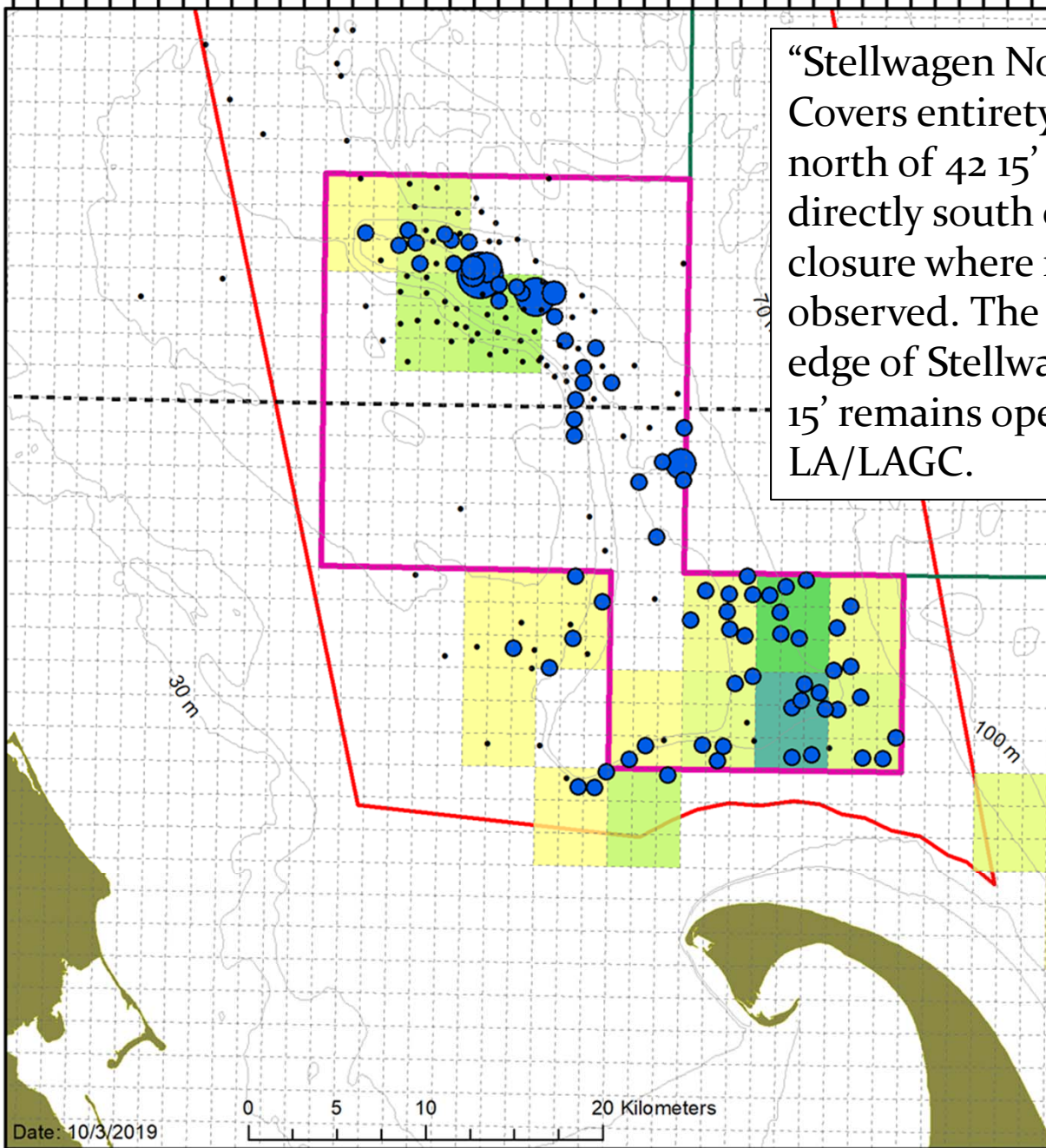
0 5 10 20 Kilometers

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42°32'N
42°31'N
42°30'N
42°29'N
42°28'N
42°27'N
42°26'N
42°25'N
42°24'N
42°23'N
42°22'N
42°21'N
42°20'N
42°19'N
42°18'N
42°17'N
42°16'N
42°15'N
42°14'N
42°13'N
42°12'N
42°11'N
42°10'N
42°9'N
42°8'N
42°7'N
42°6'N
42°5'N
42°4'N
42°3'N
42°2'N
42°1'N
42°N
41°59'N
41°58'N

“Stellwagen North v.3” closure.
Covers entirety of Stellwagen
north of 42 15' and includes area
directly south of WGOM
closure where recruits were
observed. The south western
edge of Stellwagen south of 42
15' remains open bottom to
LA/LAGC.



Stellwagen_closure_v3
NGOM Management Area
Groundfish Closure
Stellwagen Bank NMS

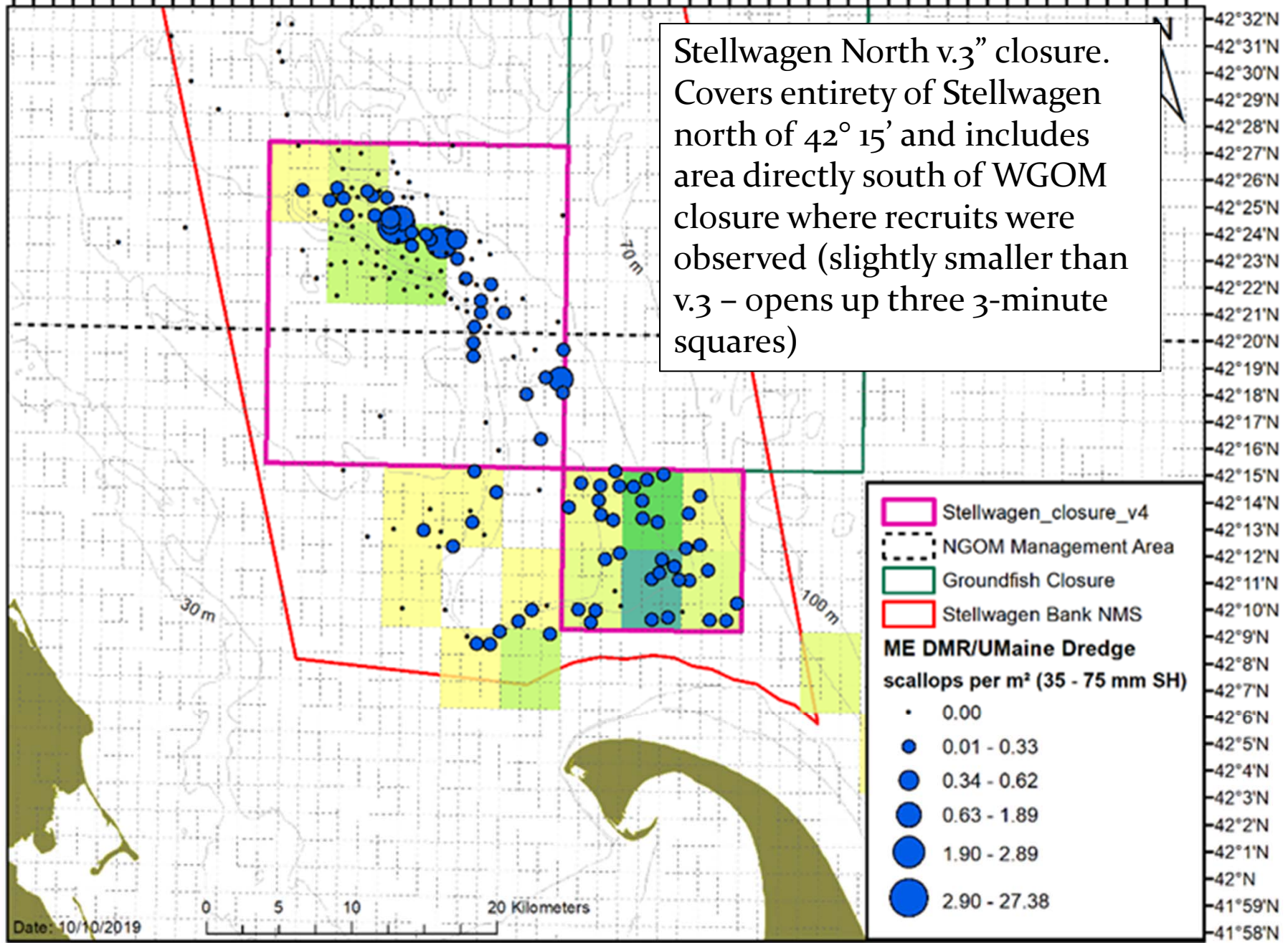
**ME DMR/UMaine Dredge
scallops per m² (35 - 75 mm SH)**

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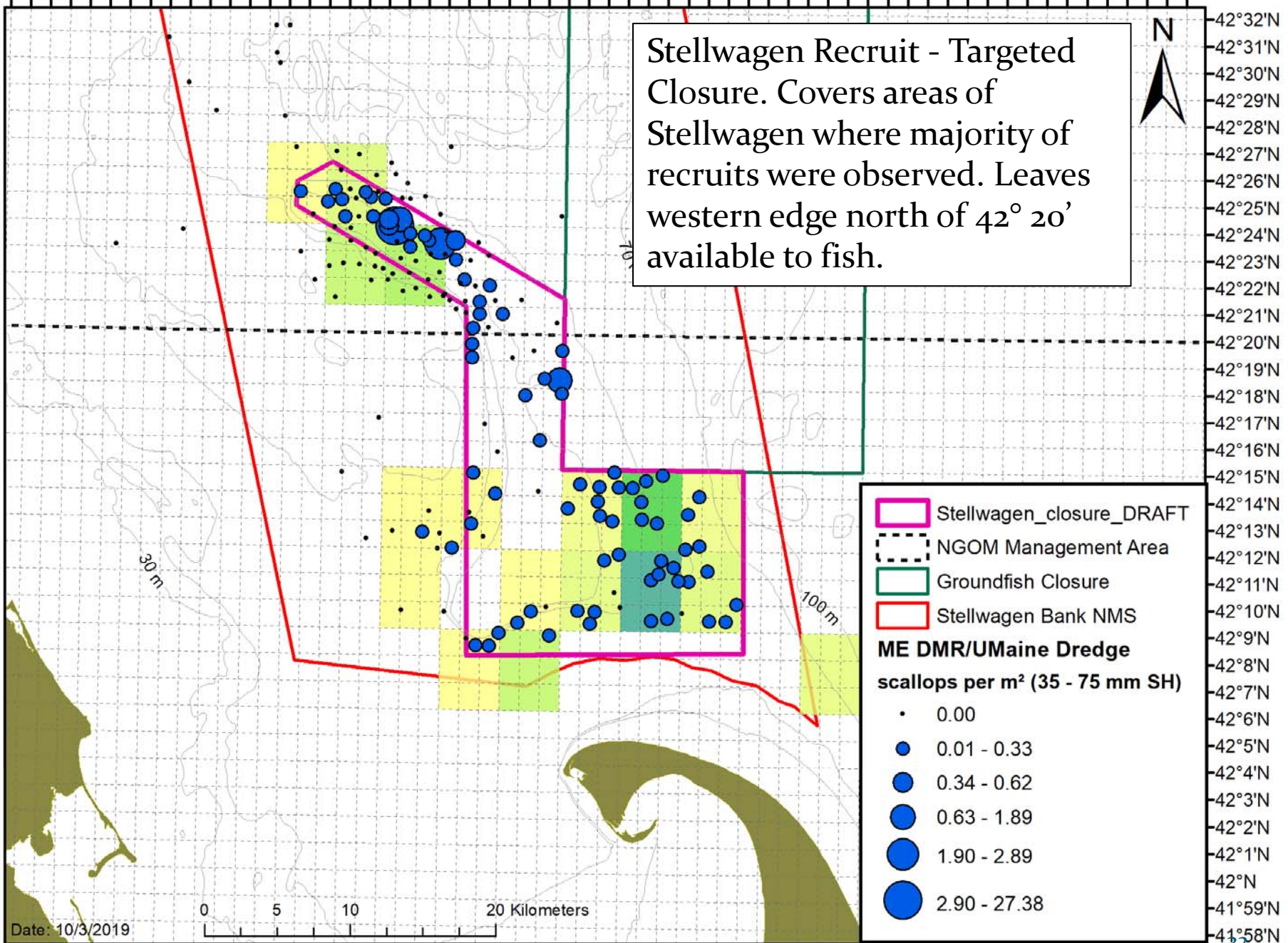
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0 5 10 20 Kilometers

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70°43'W 70°39'W 70°35'W 70°31'W 70°27'W 70°23'W 70°19'W 70°15'W 70°11'W 70°7'W 70°3'W 70°W 69°56'W 69°52'W 69°48'W 69°44'W



Stellwagen Recruit - Targeted Closure. Covers areas of Stellwagen where majority of recruits were observed. Leaves western edge north of 42° 20' available to fish.

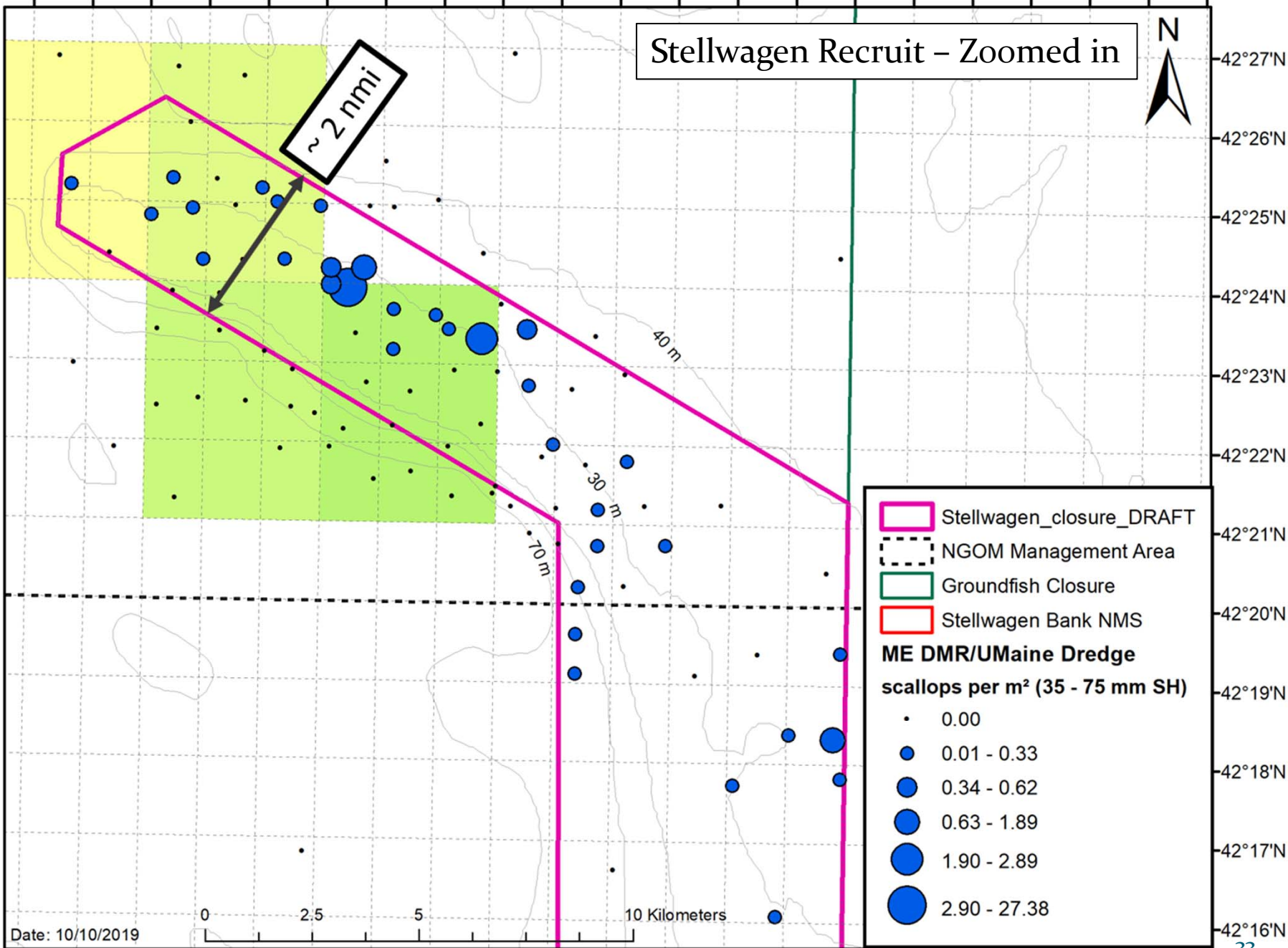
- Stellwagen_closure_DRAFT
 - NGOM Management Area
 - Groundfish Closure
 - Stellwagen Bank NMS
- ME DMR/UMaine Dredge**
scallops per m² (35 - 75 mm SH)
- 0.00
 - 0.01 - 0.33
 - 0.34 - 0.62
 - 0.63 - 1.89
 - 1.90 - 2.89
 - 2.90 - 27.38

Date: 10/3/2019

0 5 10 20 Kilometers

70°29'W 70°27'W 70°25'W 70°23'W 70°21'W 70°19'W 70°17'W 70°15'W 70°13'W 70°11'W 70°9'W

Stellwagen Recruit - Zoomed in



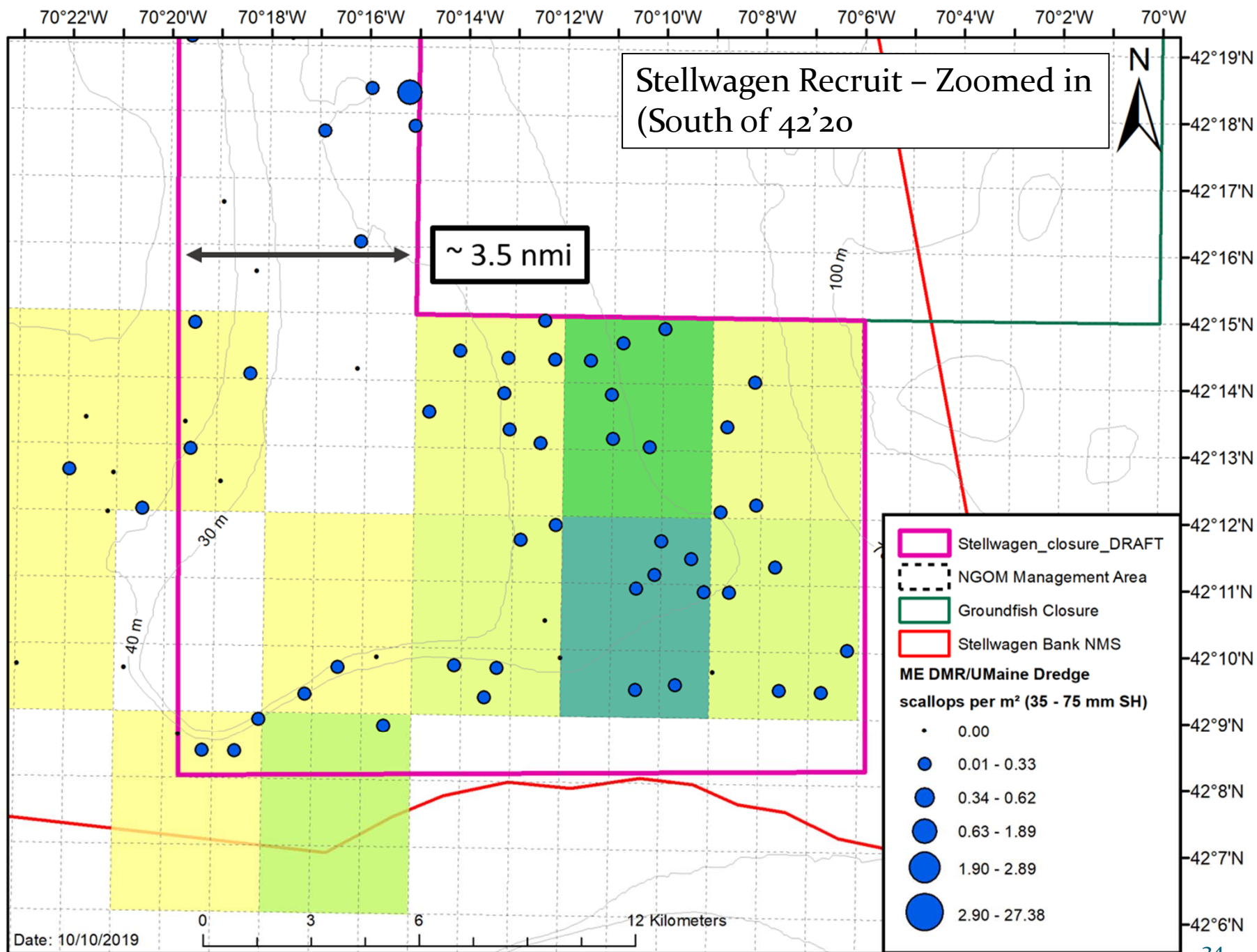
ME DMR/UMaine Dredge
scallops per m² (35 - 75 mm SH)

- 0.00
- 0.01 - 0.33
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- 0.63 - 1.89
- 1.90 - 2.89
- 2.90 - 27.38

Stellwagen_closure_DRAFT
NGOM Management Area
Groundfish Closure
Stellwagen Bank NMS

Date: 10/10/2019

0 2.5 5 10 Kilometers



Questions?



2019 & 2020 Priorities FW30

Anticipated Outcomes. The AP and Committee may wish to identify potential 2019 work priorities. This will not be the last opportunity to discuss work for next year.

See Correspondence (Doc.7).

The Council will take final action on 2019 priorities in December.

2019 Priorities

Regulatory Requirements & Ongoing work	Other 2019 Work Priorities
<ul style="list-style-type: none">• Specifications for 2020/2021• Support Scallop RSA Program• Estimate flatfish bycatch	<ul style="list-style-type: none">• NGOM Scallop Management & LAGC IFQ trip limits and one-way quota transfers (Amendment 21)• Harvest of slow-growing scallops in the NLS-S-deep• Mitigate impacts on YT flounder• Evaluate rotational management program

2020 Priorities and Vehicles

Each column represents a way to address a work priority

Specs Package	Framework	Amendment	Other
<div style="border: 1px solid black; padding: 10px; text-align: center;"> Specifications (can be done in either specs package or a FW) </div>		<div style="border: 1px solid black; padding: 10px; text-align: center;"> A21: NGOM Management LAGC IFQ Trip Limits IFQ tranfers LA→IFQ </div>	<div style="border: 1px solid black; padding: 10px; text-align: center;"> RSA Support <div style="border: 1px solid black; padding: 2px; display: inline-block; background-color: #ADD8E6;">Ongoing</div> Tracking flatfish catch </div>

Potential 2020 Priorities

Evaluate Rotational Management
(removed from list in June 2019)

LA DAS & AA leasing pilot project,
suggested by ECSHA

Options to harvest NLS-S-deep
Small Scallops

Adjustments to industry funded
observer program

Northern Edge access (Habitat)

Scallop Survey Recommendations –
Implement 2015 recommendations

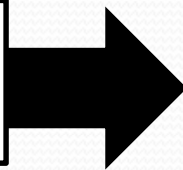
Modify RSA Program based on
program review recommendations

Evaluate performance of the LA
component

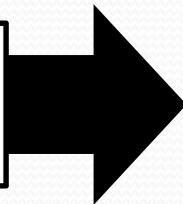
6 Meeting Outlook: **DRAFT**

Doc. 8

Regulatory Requirements



Ongoing Issues



subject to change	Expected progress on priorities relative to upcoming Council meetings					
	Council Meeting:	Dec-19	Jan-20	Apr-20	Jun-20	Sep-20
Regulatory Requirements						
Specifications	Final Action; Send FW32 Decision Draft to NMFS	Preliminary submission: FW32	Final submission (March) New specs in place April 1	2020 Survey cruises on the water; review surveys	Review survey data, preliminary OFL/ABC projections	Final Action; Send FW33 Decision Draft to NMFS
Support Scallop RSA Program	Proposals Due, Reviews begin	Proposals in evaluation	RSA Share day; NMFS announce 20/21 awards;	Council votes on 2021/22 Priorities (PDT, AP, CTE input)	FFO for Scallop RSA Published	Proposals Due, Reviews begin
In-season catch accounting & GF issues	Estimates for GF FW, FW32	Evaluate YT transfer to GF		Prepare GBYT memo to GF PDT		Estimates for GF FW, FW33
Ongoing Work						
Amendment 21	<i>Council may be asked to consider a control rule.</i> Draf Alternatives	Draft Alternatives; Prepare background data and analyses	Approve Range of Alternaitves in Amendment 21; work on DEIS	Review/ approve DEIS for public hearings, select preferred alternatives	NMFS Publishes DEIS, start comment period and scoping	

List of Potential 2020 Priorities

Need AP and Committee input:
Suggestion – Rank, then determine
 what is above/below “the line”

Northern Edge access (Habitat)

Scallop Survey Recommendations –
 Implement 2015 recommendations

Modify RSA Program based on
 program review recommendations

Evaluate performance of the LA
 component

Evaluate Rotational Management
 (removed from list in June 2019)

LA DAS & AA leasing pilot project,
 suggested by ECSHA

Options to harvest NLS-S-deep
 Small Scallops

Adjustments to industry funded
 observer program

Rank	Priority
1	Complete Amendment 21 (ongoing)
2	
3	
4	
5	
6	
7	
8	
9	

“the line”





2020 Priorities

PDT Input:

- Anticipate a busy year working on Amendment 21 and specs.
- Combine the evaluation of rotational management and performance report for the LA component.
- Combine “Review and implement RSA recommendations” with the review of the 2015 survey review panel.
 - Can this be external work? RSA priority/award? Contractor?
- “Adjustments to Scallop IFO program” → consider referring to the Observer Policy Committee, and work on this at a later date.