

# Scallop fishery effort—VMS hours, FY2021-2022 (Apr-Jun)

Sam Asci (Council Staff)

August 31 – September 1, 2022  
Scallop PDT



New England  
Fishery Management Council

# Overview

- FY2021 and FY2022 (April – June) VMS hours fished for LA and LAGC IFQ components, by region and SAMS area.
- 2021 VMS effort outside of SAMS area boundaries was minimal (less than 5% of grand total), focused primarily north of P-Town and in the NGOM.
- 2022 VMS LA component – less than 3% outside SAMS
- 2022 VMS LAGC component – 59% outside of SAMS
  - Deeper water in CAI, Stellwagen (inside and outside NGOM)

*These tables do not include VMS hours from outside of SAMS areas.*

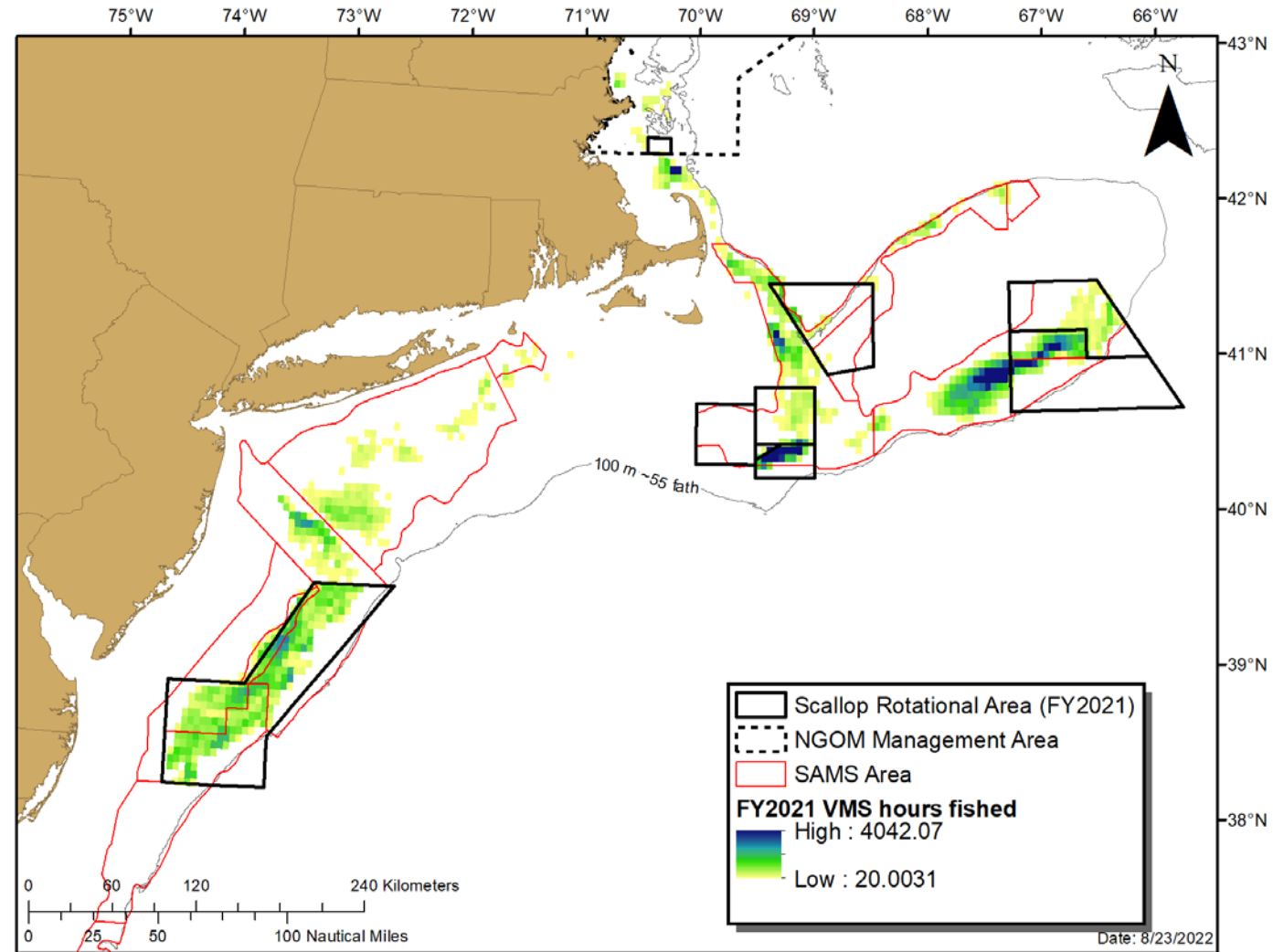
# Data used

## Source: B. Galuardi (GARFO)

- Data is combined scallop fishery VMS pings for FY2021 and FY2022 (April – June)
- Sum of polls x time (30 min/poll) = total hours
- Maps aggregated at 3 nm squares. Minimum 20 hours in each square.
- 2-5 kt speed filter applied.
- All data within state waters were masked.
- VMS hours were summed by SAMS area using ‘Zonal statistics’ tool (ArcMap 10.5).

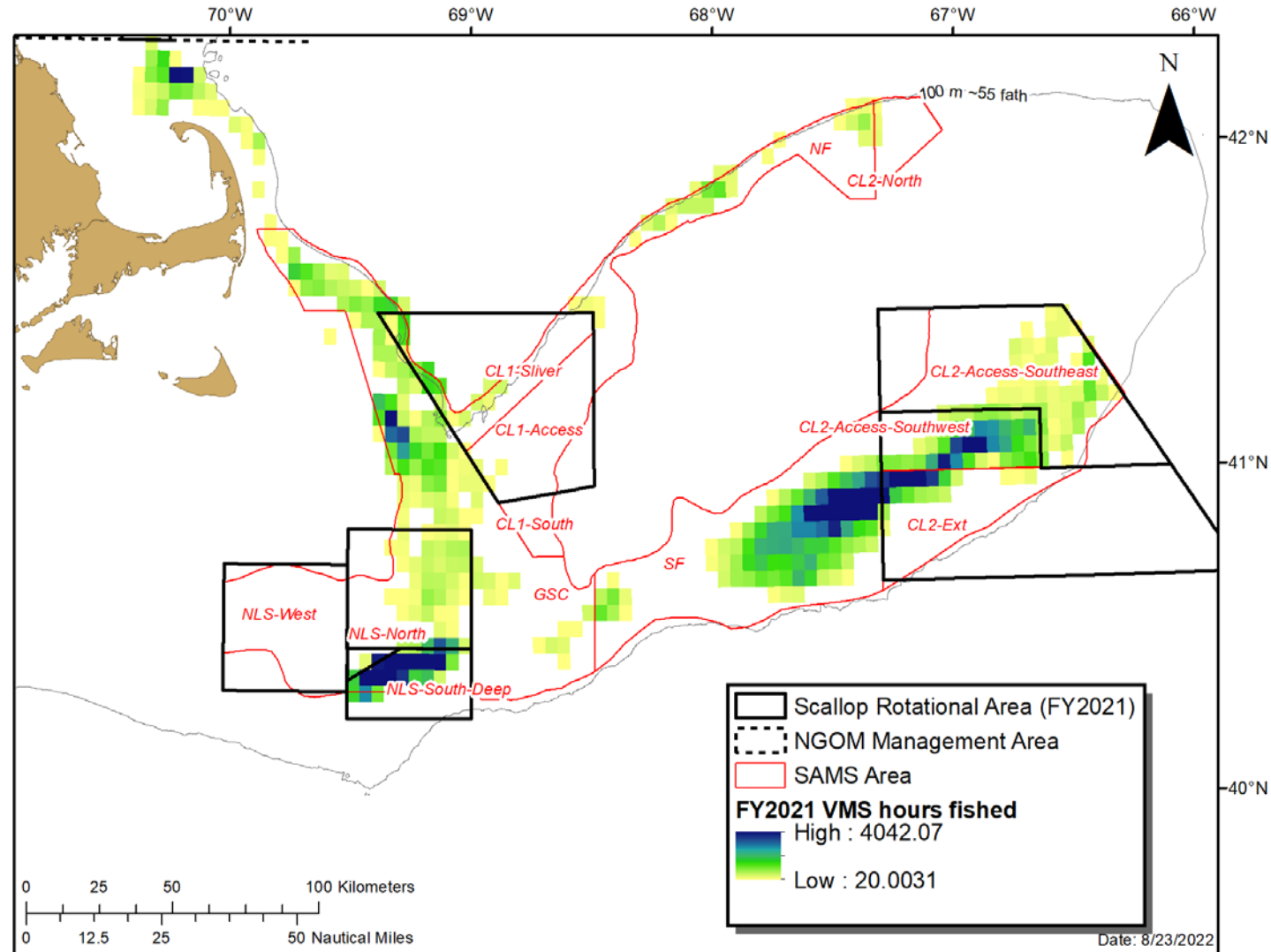
# FY2021 total

region/SAMS area	VMS hours	percent of total
<b>GB</b>		
SF	61,182	23%
NLS-South-Deep	29,433	11%
CL2-Access-Southwest	22,565	9%
GSC	21,015	8%
CL2-Ext	8,792	3%
CL2-Access-Southeast	4,549	2%
NLS-North	3,532	1%
NF	2,954	1%
CL1-Sliver	2,440	1%
CL1-Access	34	0%
<b>GB TOTAL</b>	<b>156,496</b>	<b>60%</b>
<b>MAB</b>		
HCS	28,403	11%
ET-Open	23,847	9%
NYB	23,349	9%
ET-Flex	15,851	6%
LI	13,538	5%
DMV	612	0%
BI	362	0%
MAB-Nearshore	134	0%
<b>MAB TOTAL</b>	<b>106,096</b>	<b>40%</b>
<b>Grand Total</b>	<b>262,592</b>	



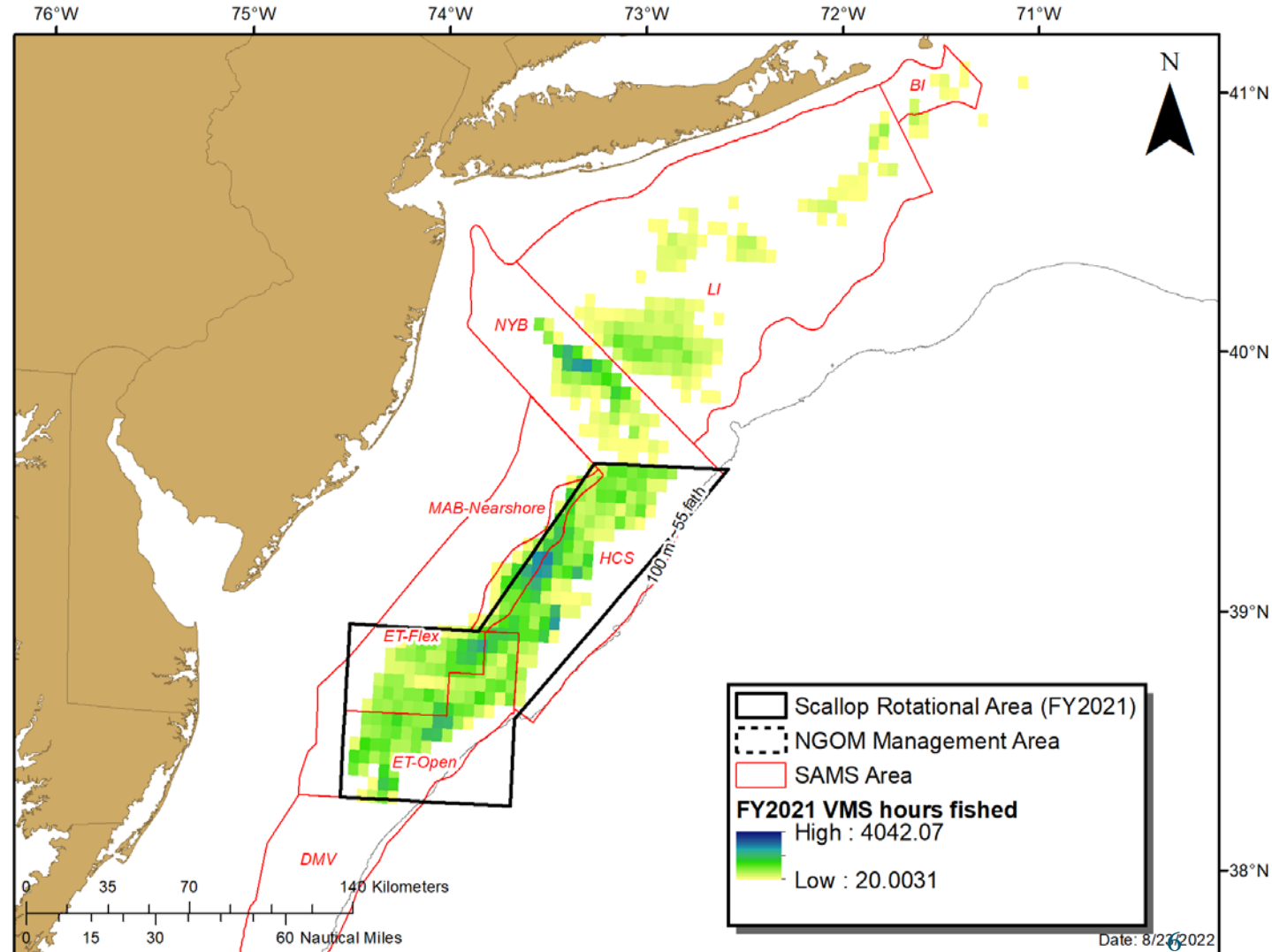
# FY2021 VMS, GB only

region/SAMS area	VMS hours total	percent of VMS hours total
<b>GB</b>		
SF	61,182	39%
NLS-South-Deep	29,433	19%
CL2-Access-Southwest	22,565	14%
GSC	21,015	13%
CL2-Ext	8,792	6%
CL2-Access-Southeast	4,549	3%
NLS-North	3,532	2%
NF	2,954	2%
CL1-Sliver	2,440	2%
CL1-Access	34	0%
<b>GB TOTAL</b>	<b>156,496</b>	



# FY2021 VMS, Mid-Atlantic only

region/SAMS area	VMS hours	percent of total
<b>MAB</b>		
HCS	28,403	27%
ET-Open	23,847	22%
NYB	23,349	22%
ET-Flex	15,851	15%
LI	13,538	13%
DMV	612	1%
BI	362	0%
MAB-Nearshore	134	0%
<b>MAB TOTAL</b>	<b>106,096</b>	

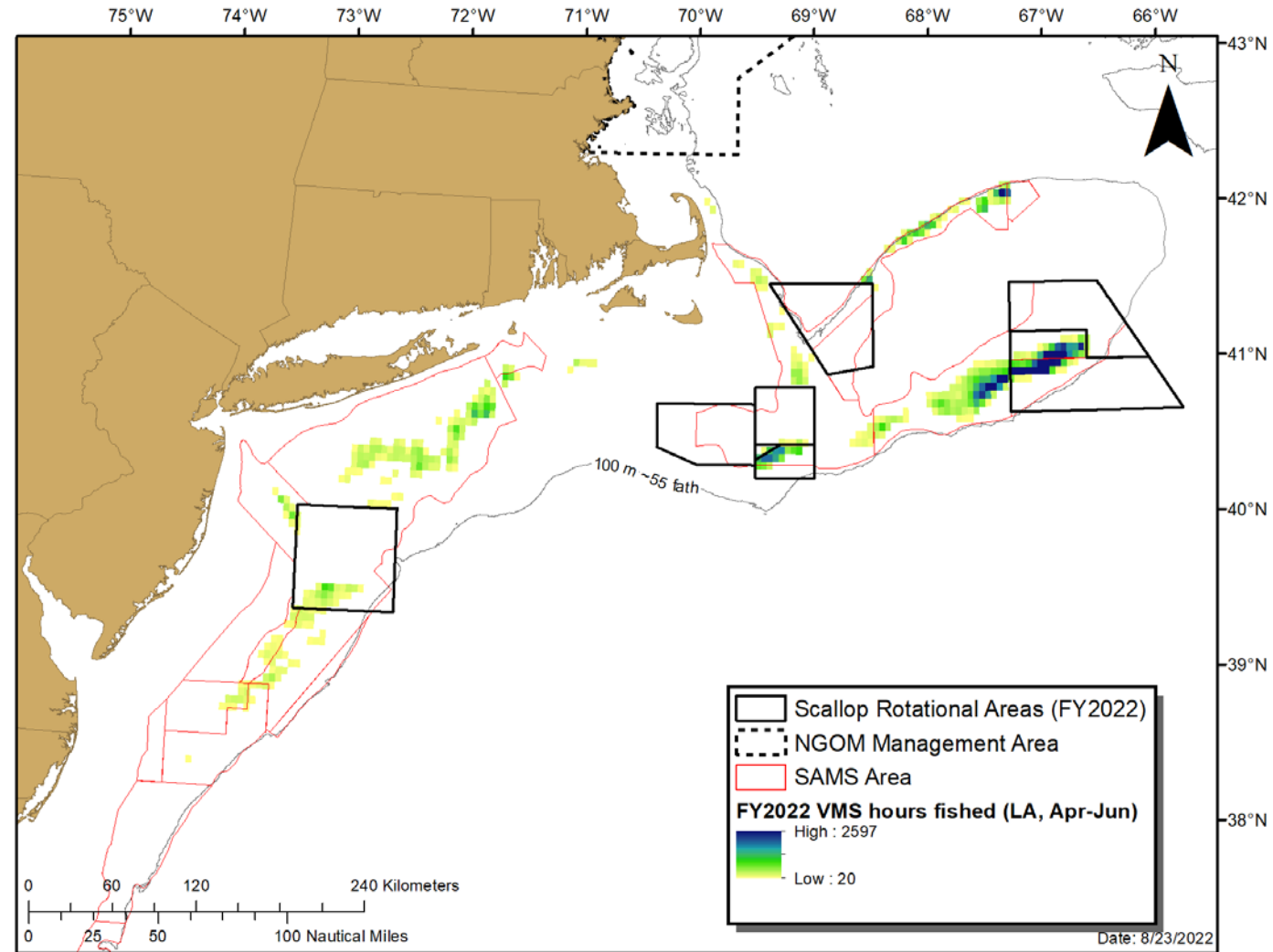




# FY2022 total (LA)

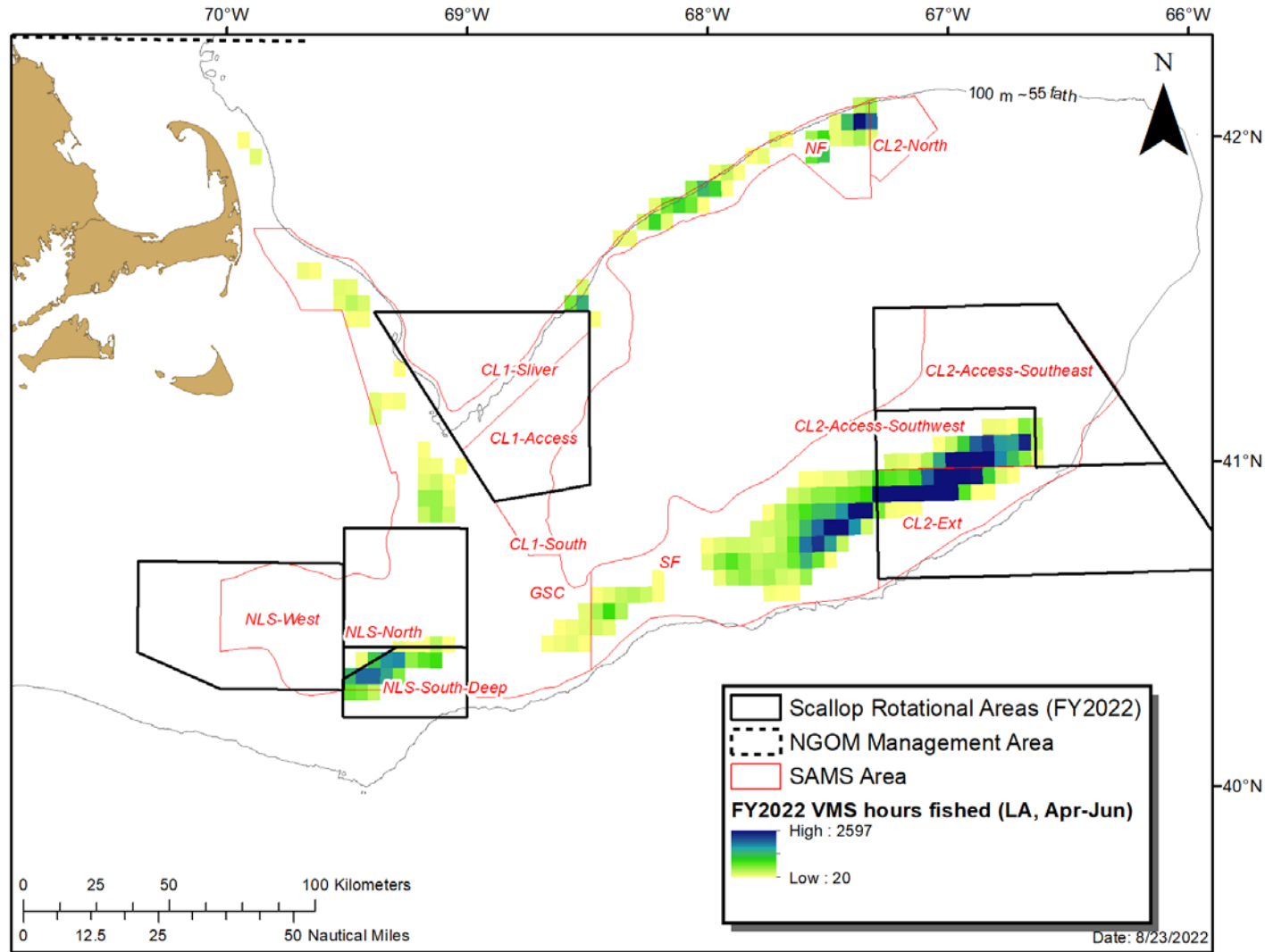
region/SAMS area	VMS hours	percent of total
<b>GB</b>		
SF	21,084	25%
CL2-Access-Southwest	15,324	18%
CL2-Ext	14,841	18%
NF	8,253	10%
NLS-South-Deep	5,796	7%
GSC	2,215	3%
<b>GB TOTAL</b>	<b>67,513</b>	<b>80%</b>
<b>MAB</b>		
LI	10,679	13%
NYB-Closure	2,230	3%
NYB	1,676	2%
HCS	1,409	2%
ET-Flex	635	1%
ET-Open	271	0%
BI	192	0%
<b>MAB TOTAL</b>	<b>17,092</b>	<b>20%</b>

**Grand Total** **84,605**



# FY2022 VMS (LA), GB only

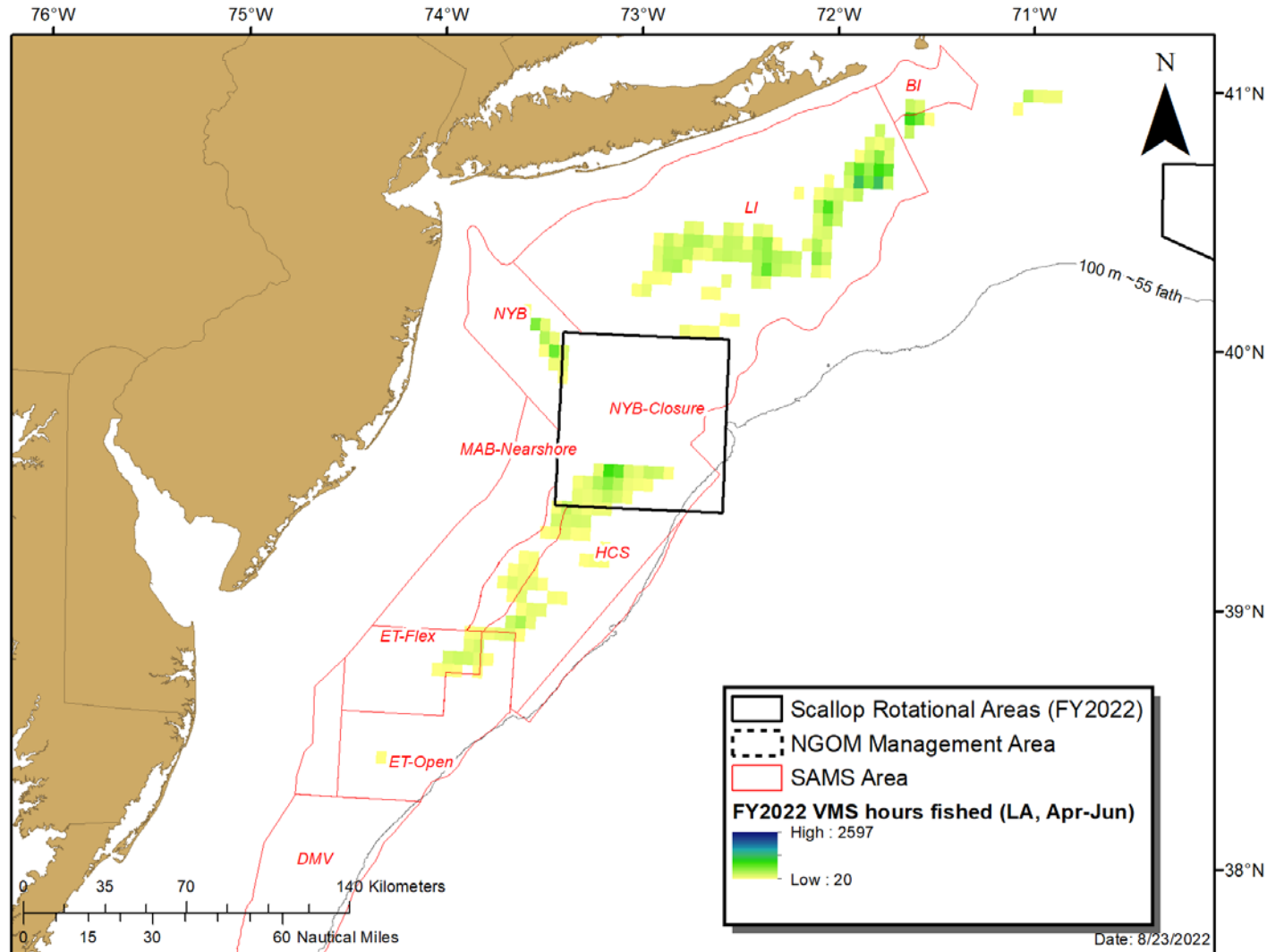
region/SAMS area	VMS hours	percent of total
<b>GB</b>		
SF	21,084	31%
CL2-Access-Southwest	15,324	23%
CL2-Ext	14,841	22%
NF	8,253	12%
NLS-South-Deep	5,796	9%
GSC	2,215	3%
<b>GB TOTAL</b>	<b>67,513</b>	





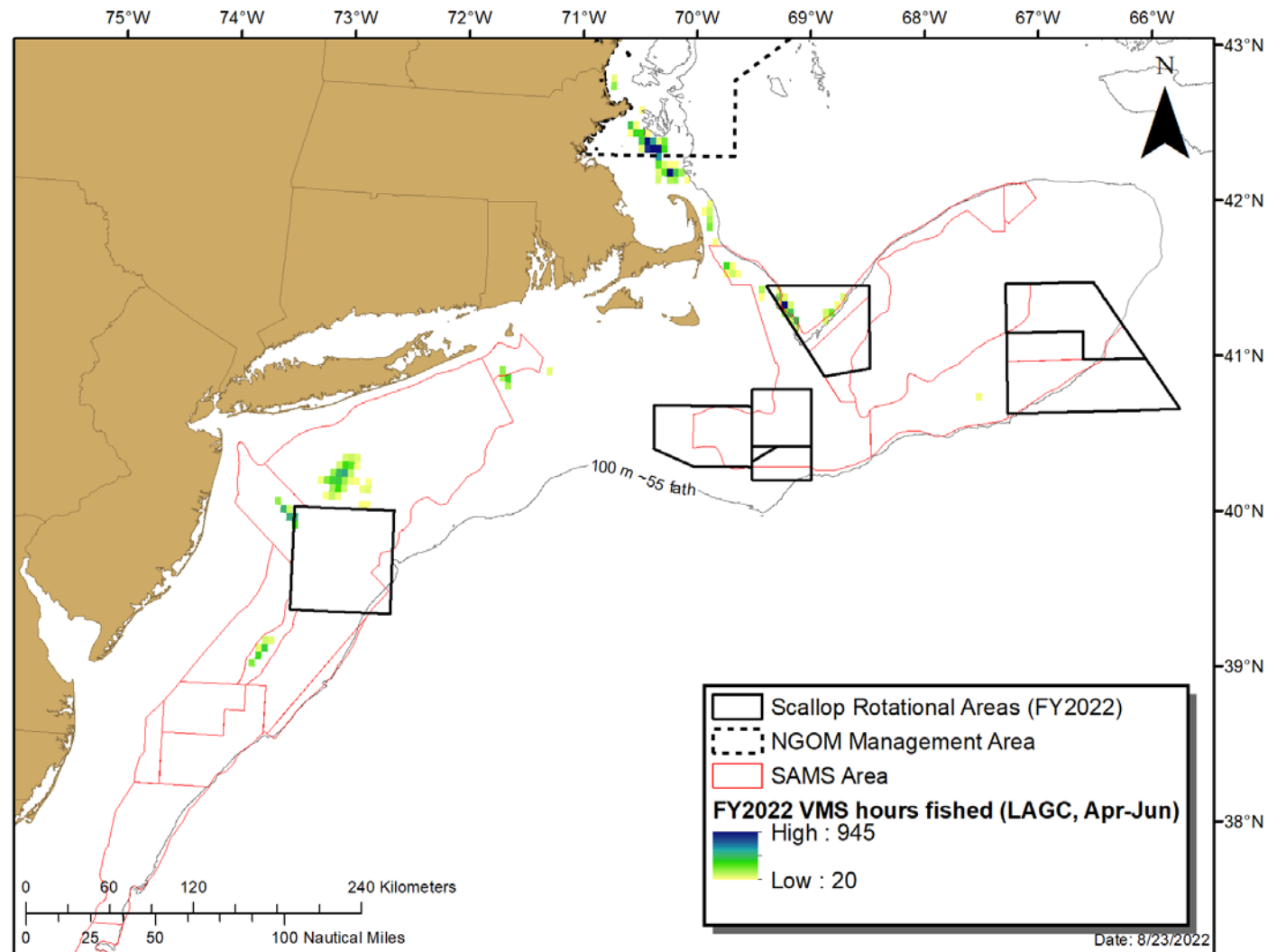
# FY2022 VMS (LA), Mid-Atlantic

region/SAMS area	VMS hours	percent of total
<b>MAB</b>		
LI	10,679	62%
NYB-Closure	2,230	13%
NYB	1,676	10%
HCS	1,409	8%
ET-Flex	635	4%
ET-Open	271	2%
BI	192	1%
<b>MAB TOTAL</b>	<b>17,092</b>	



# FY2022 LAGC

- **GB:** concentrated effort in CAI, GSC
- **MAB:** concentrated effort in LI and NYB
- More effort occurring outside of SAMS (see next slide)



# FY2022 LAGC outside of SAMS

- Majority of LAGC effort outside of SAMS in FY2022 (59%)
- Deeper water in CAI
- outer Cape
- Stellwagen (both inside and outside NGOM)

