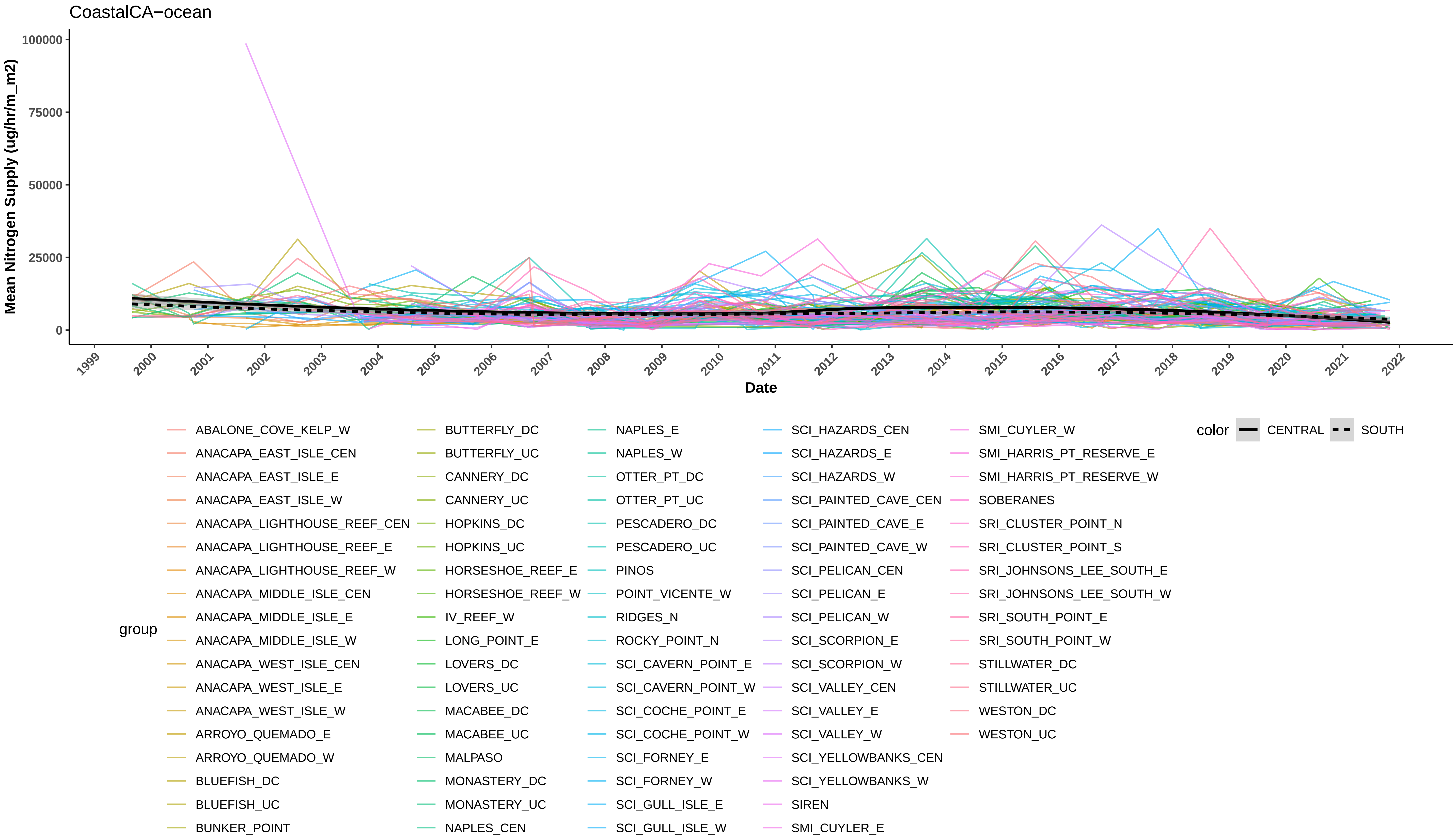
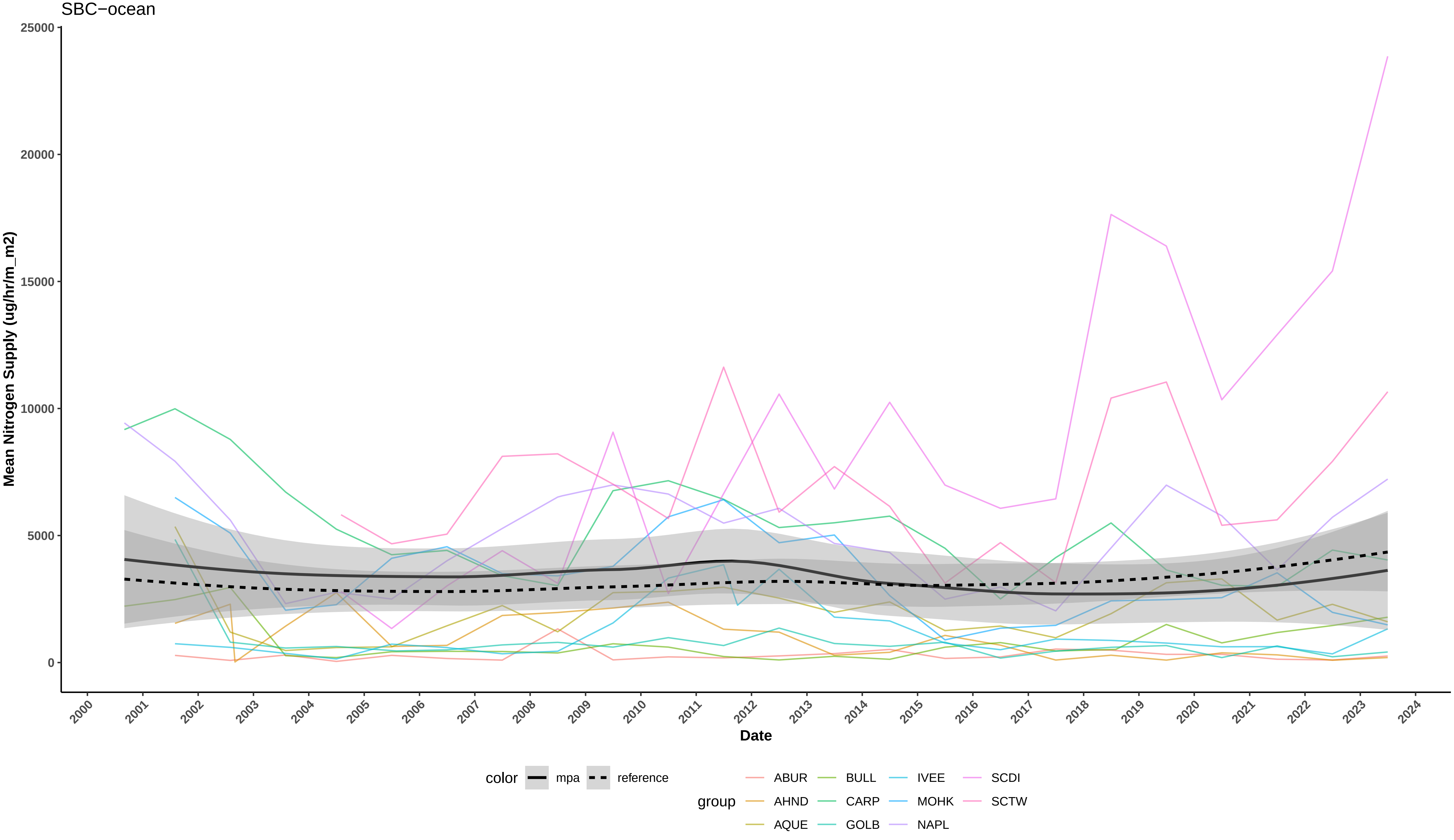
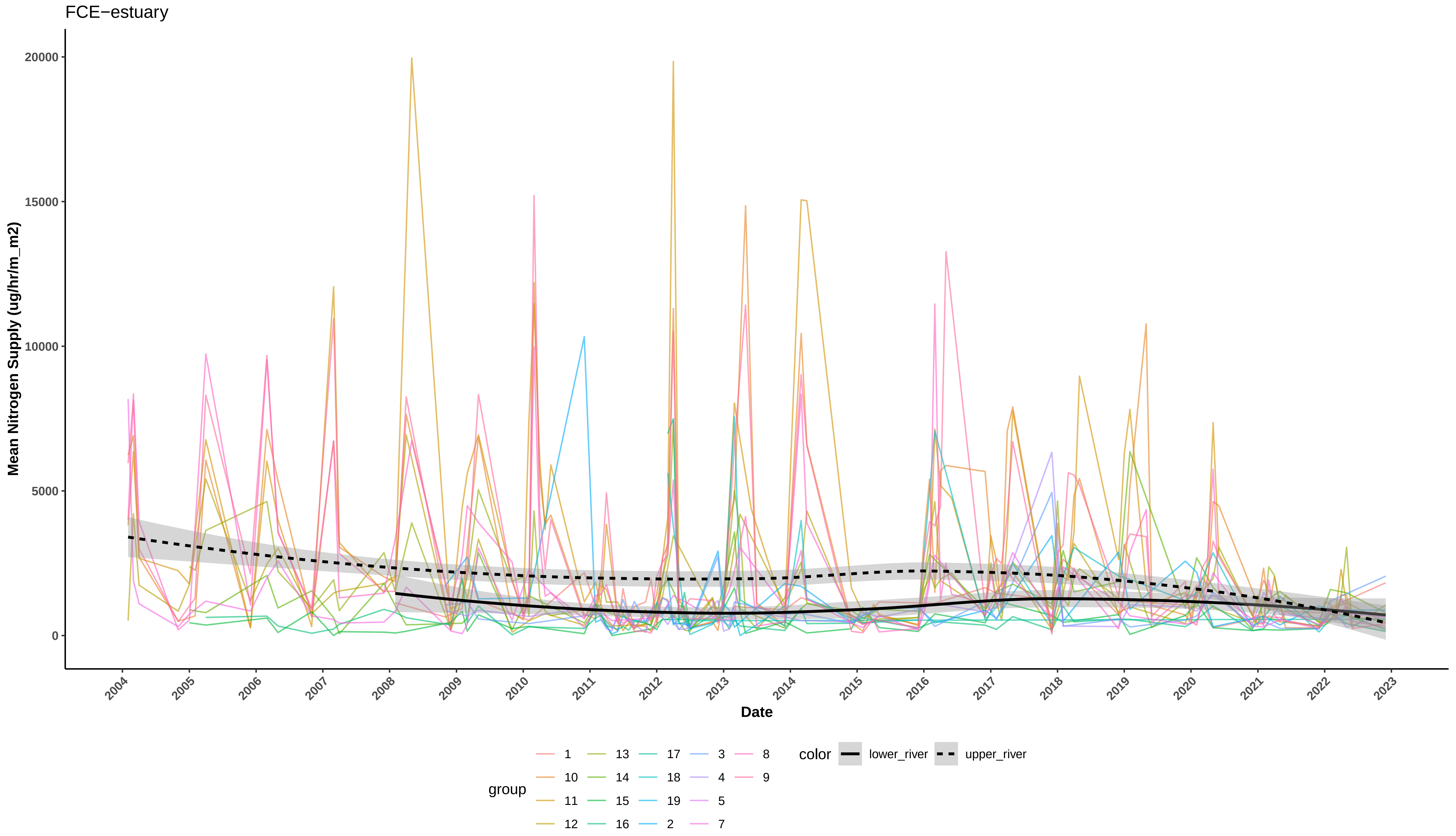
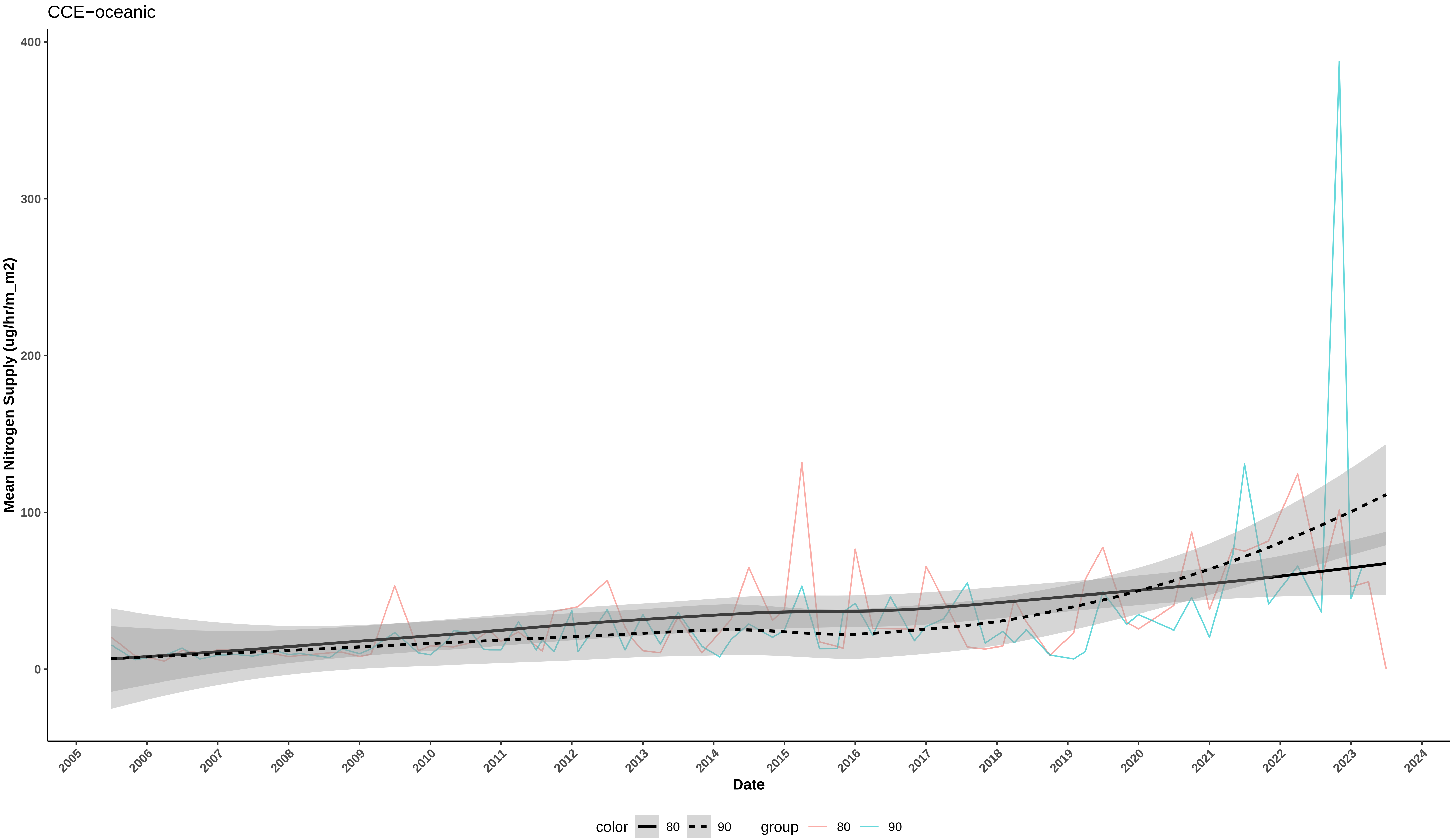
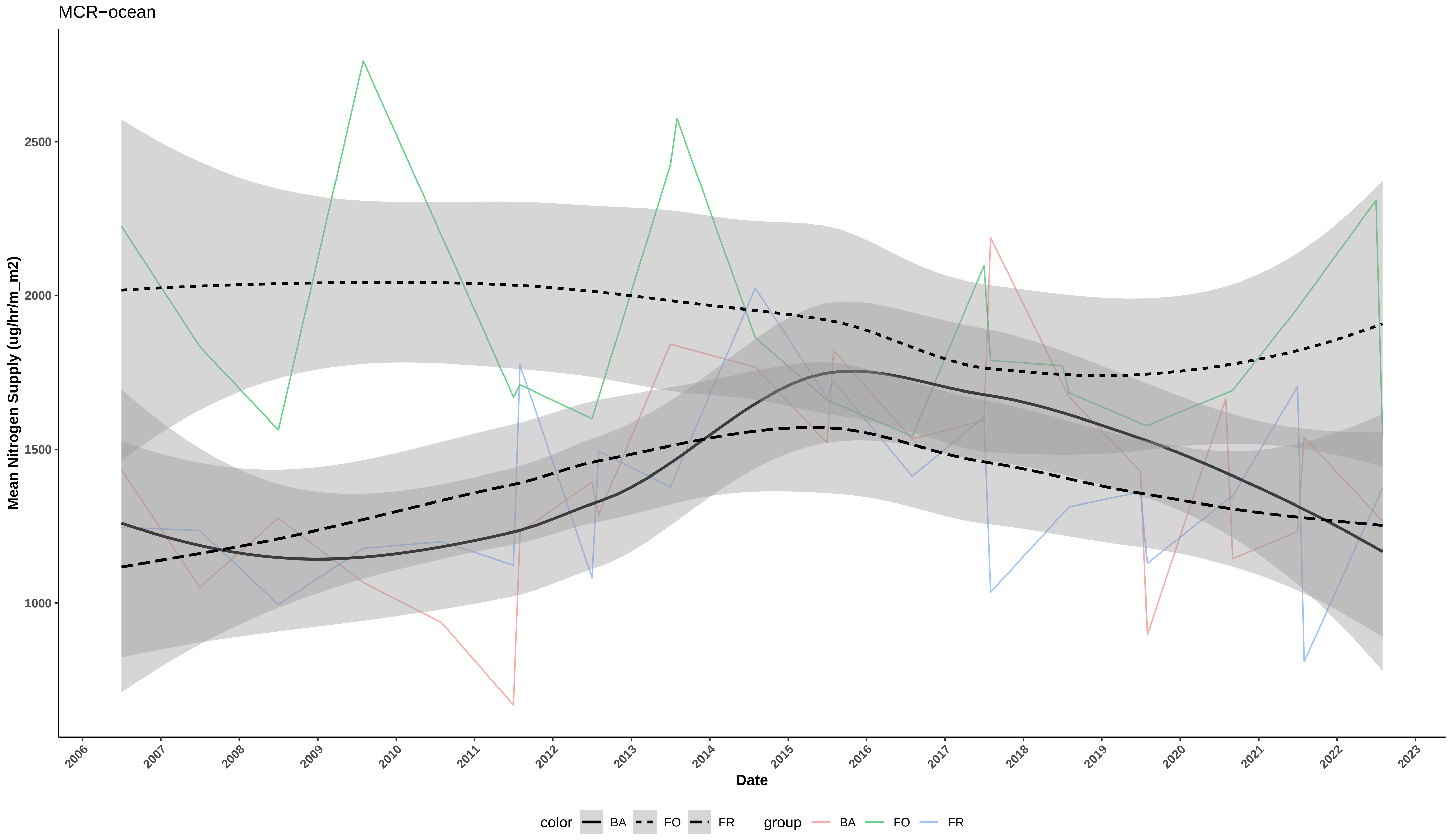
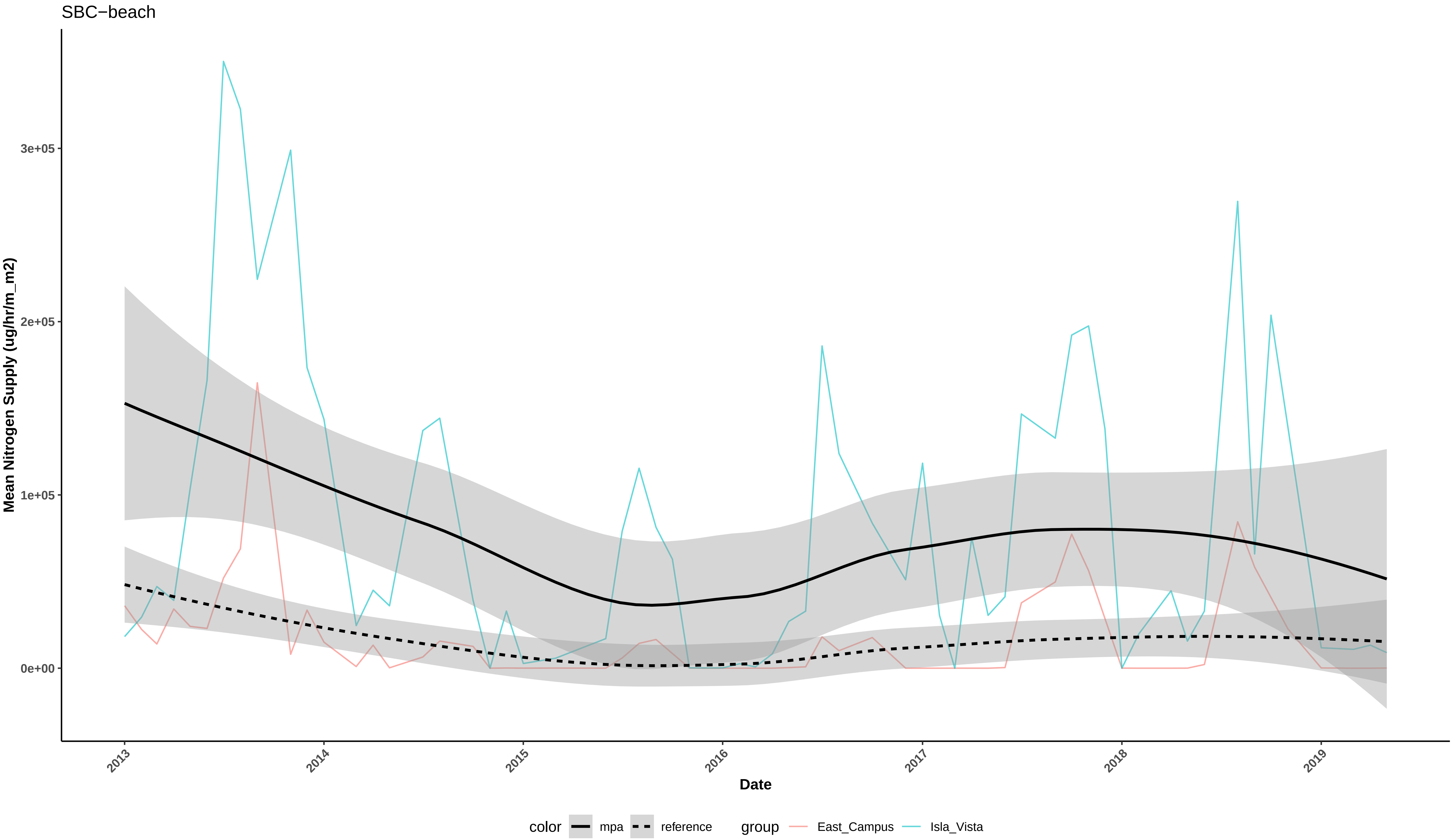

CoastalCA−ocean
Mean Nitrogen Supply (ug/hr/m_m2)
100000
75000
50000
25000
0
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
Date
group
ABALONE_COVE_KELP_W
ANACAPA_EAST_ISLE_CEN
ANACAPA_EAST_ISLE_E
ANACAPA_EAST_ISLE_W
ANACAPA_LIGHTHOUSE_REEF_CEN
ANACAPA_LIGHTHOUSE_REEF_E
ANACAPA_LIGHTHOUSE_REEF_W
ANACAPA_MIDDLE_ISLE_CEN
ANACAPA_MIDDLE_ISLE_E
ANACAPA_MIDDLE_ISLE_W
ANACAPA_WEST_ISLE_CEN
ANACAPA_WEST_ISLE_E
ANACAPA_WEST_ISLE_W
ARROYO_QUEMADO_E
ARROYO_QUEMADO_W
BLUEFISH_DC
BLUEFISH_UC
BUNKER_POINT
BUTTERFLY_DC
BUTTERFLY_UC
CANNERY_DC
CANNERY_UC
HOPKINS_DC
HOPKINS_UC
HORSESHOE_REEF_E
HORSESHOE_REEF_W
IV_REEF_W
LONG_POINT_E
LOVERS_DC
LOVERS_UC
MACABEE_DC
MACABEE_UC
MALPASO
MONASTERY_DC
MONASTERY_UC
NAPLES_CEN
NAPLES_E
NAPLES_W
OTTER_PT_DC
OTTER_PT_UC
PESCADERO_DC
PESCADERO_UC
PINOS
POINT_VICENTE_W
RIDGES_N
ROCKY_POINT_N
SCI_CAVERN_POINT_E
SCI_CAVERN_POINT_W
SCI_COCHE_POINT_E
SCI_COCHE_POINT_W
SCI_FORNEY_E
SCI_FORNEY_W
SCI_GULL_ISLE_E
SCI_GULL_ISLE_W
SCI_HAZARDS_CEN
SCI_HAZARDS_E
SCI_HAZARDS_W
SCI_PAINTED_CAVE_CEN
SCI_PAINTED_CAVE_E
SCI_PAINTED_CAVE_W
SCI_PELICAN_CEN
SCI_PELICAN_E
SCI_PELICAN_W
SCI_SCORPION_E
SCI_SCORPION_W
SCI_VALLEY_CEN
SCI_VALLEY_E
SCI_VALLEY_W
SCI_YELLOWBANKS_CEN
SCI_YELLOWBANKS_W
SIREN
SMI_CUYLER_E
SMI_CUYLER_W
SMI_HARRIS_PT_RESERVE_E
SMI_HARRIS_PT_RESERVE_W
SOBERANES
SRI_CLUSTER_POINT_N
SRI_CLUSTER_POINT_S
SRI_JOHNSONS_LEE_SOUTH_E
SRI_JOHNSONS_LEE_SOUTH_W
SRI_SOUTH_POINT_E
SRI_SOUTH_POINT_W
STILLWATER_DC
STILLWATER_UC
WESTON_DC
WESTON_UC
color
CENTRAL
SOUTH


SBC−ocean
Mean Nitrogen Supply (ug/hr/m_m2)
25000
20000
15000
10000
5000
0
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
Date
color
mpa
reference
group
ABUR
AHND
AQUE
BULL
CARP
GOLB
IVEE
MOHK
NAPL
SCDI
SCTW


FCE−estuary
Mean Nitrogen Supply (ug/hr/m_m2)
20000
15000
10000
5000
0
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
Date
group
1
10
11
12
13
14
15
16
17
18
19
2
3
4
5
7
8
9
color
lower_river
upper_river


CCE−oceanic
Mean Nitrogen Supply (ug/hr/m_m2)
0
100
200
300
400
Date
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
color
80
90
group
80
90


MCR−ocean
Mean Nitrogen Supply (ug/hr/m_m2)
2500
2000
1500
1000
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
Date
color
BA
FO
FR
group
BA
FO
FR


SBC−beach
Mean Nitrogen Supply (ug/hr/m_m2)
3e+05
2e+05
1e+05
0e+00
Date
2013
2014
2015
2016
2017
2018
2019
color
mpa
reference
group
East_Campus
Isla_Vista