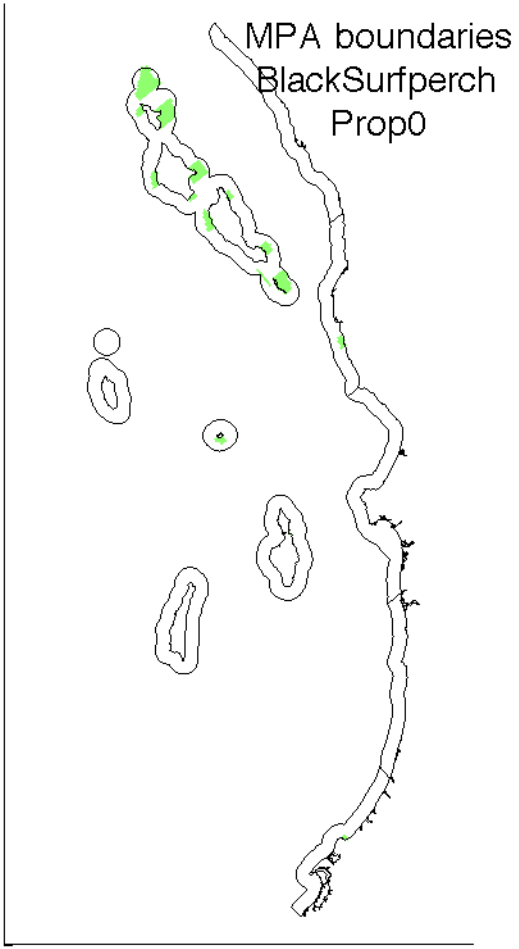
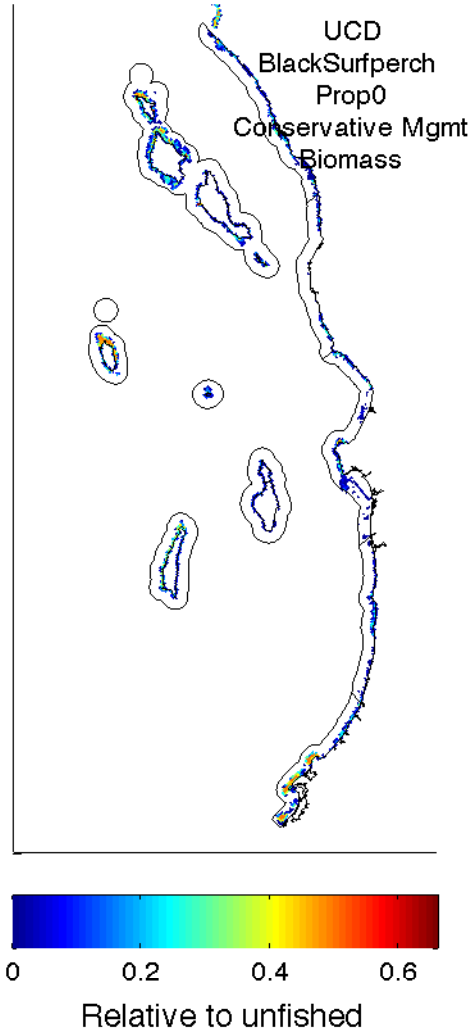
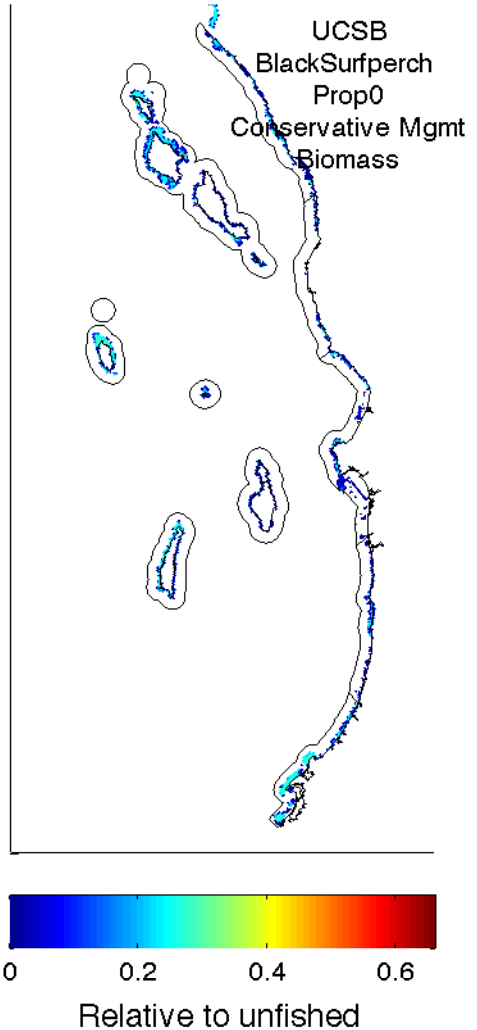
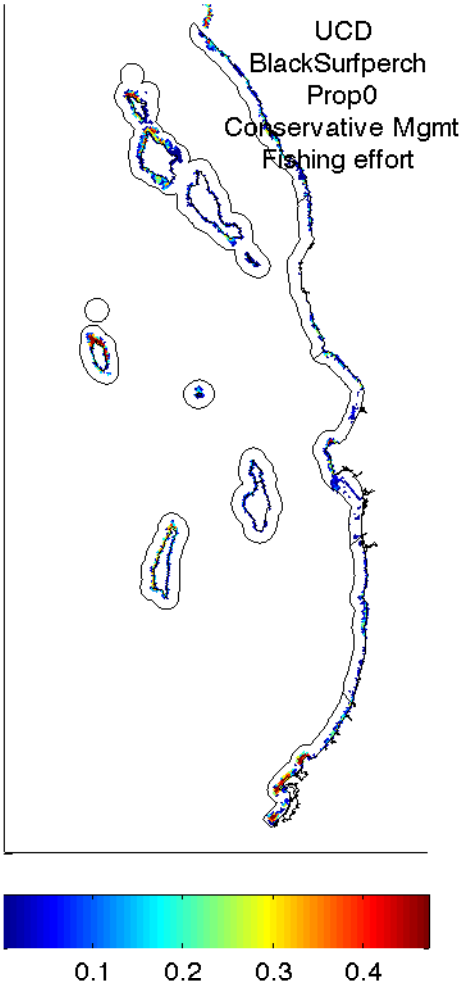
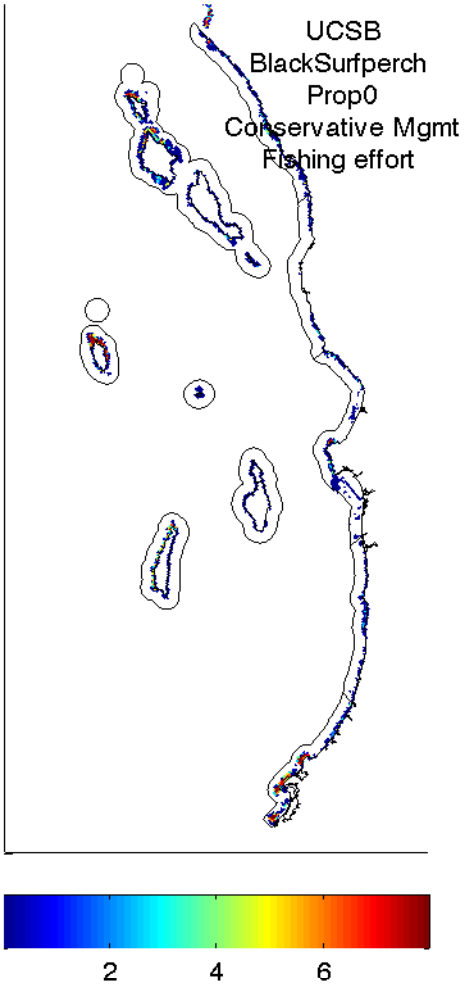
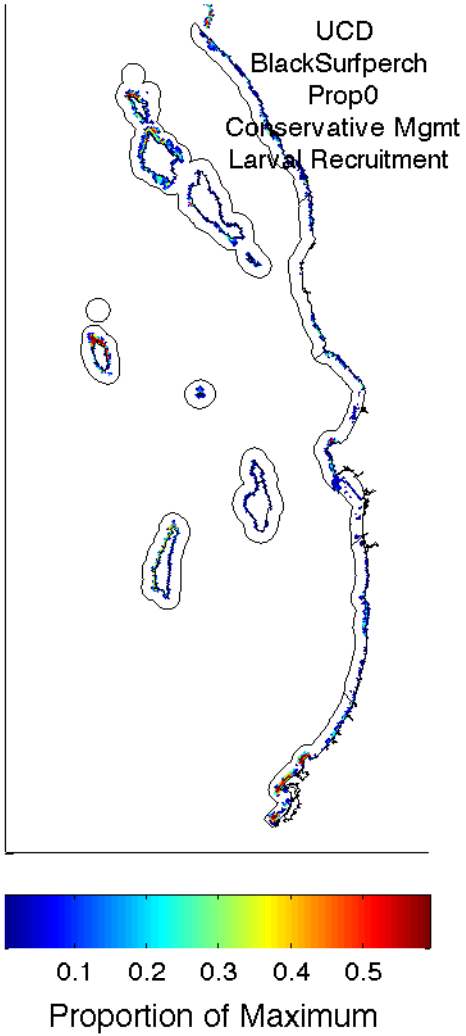

MPA boundaries
BlackSurfperch
Prop0

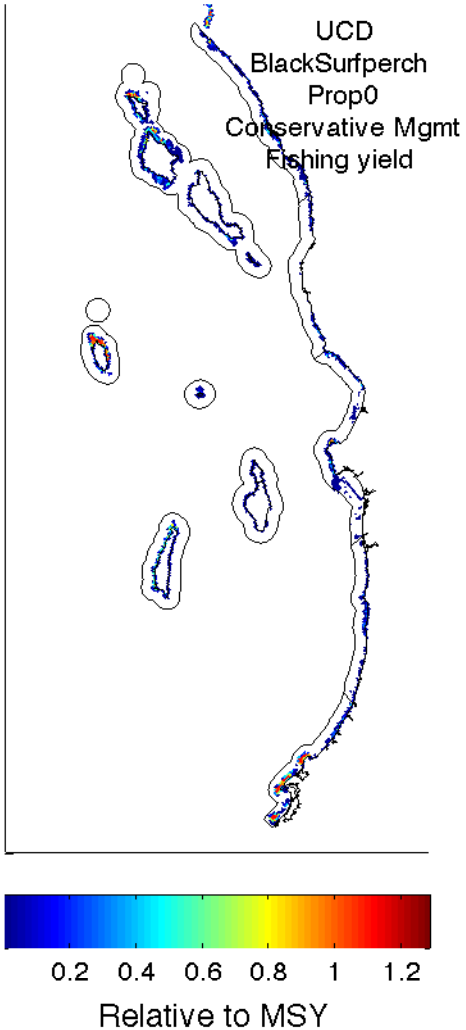

UCD
BlackSurfperch
Prop0
Conservative Mgmt
Biomass
0
0.2
0.4
0.6
Relative to unfished

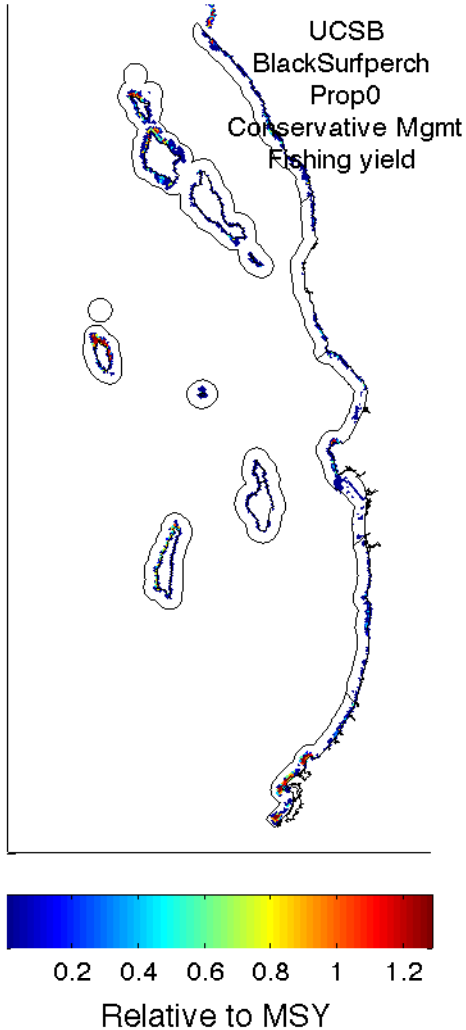

UCSB
BlackSurfperch
Prop0
Conservative Mgmt
Biomass
0
0.2
0.4
0.6
Relative to unfished

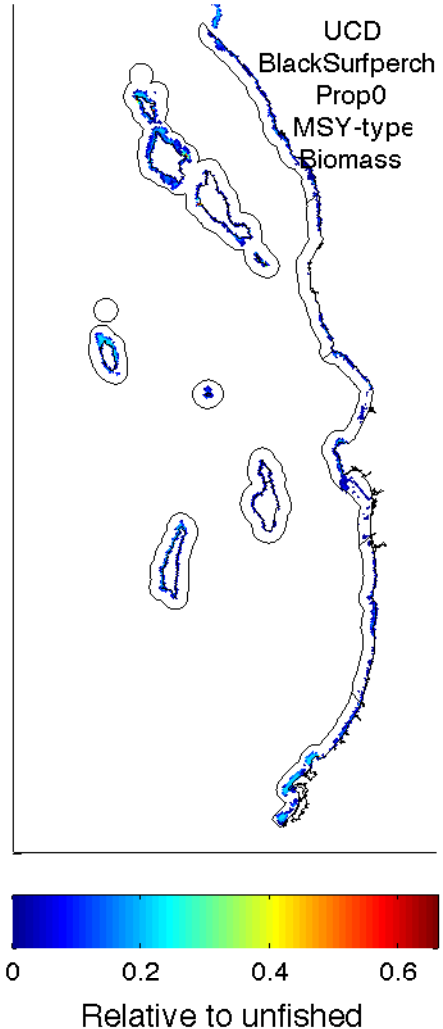

UCD
BlackSurfperch
Prop0
Conservative Mgmt
Fishing effort
0.1
0.2
0.3
0.4
Relative to MSY maximum effort

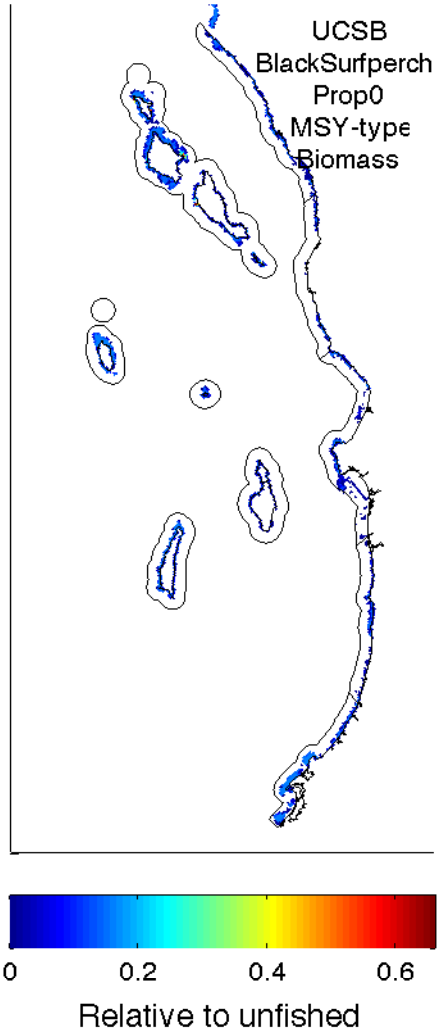

UCSB
BlackSurfperch
Prop0
Conservative Mgmt
Fishing effort
2
4
6
Relative to MSY maximum effort

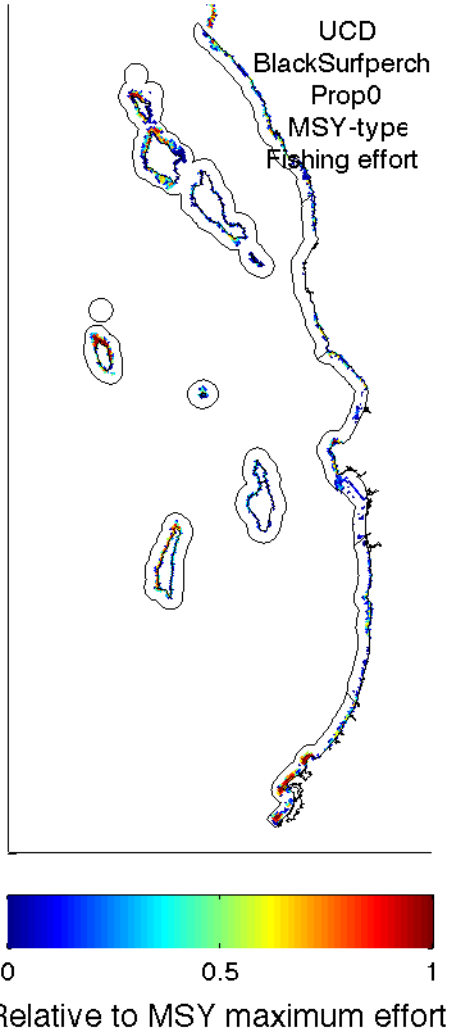

UCD
BlackSurfperch
Prop0
Conservative Mgmt
Larval Recruitment
0.1
0.2
0.3
0.4
0.5
Proportion of Maximum

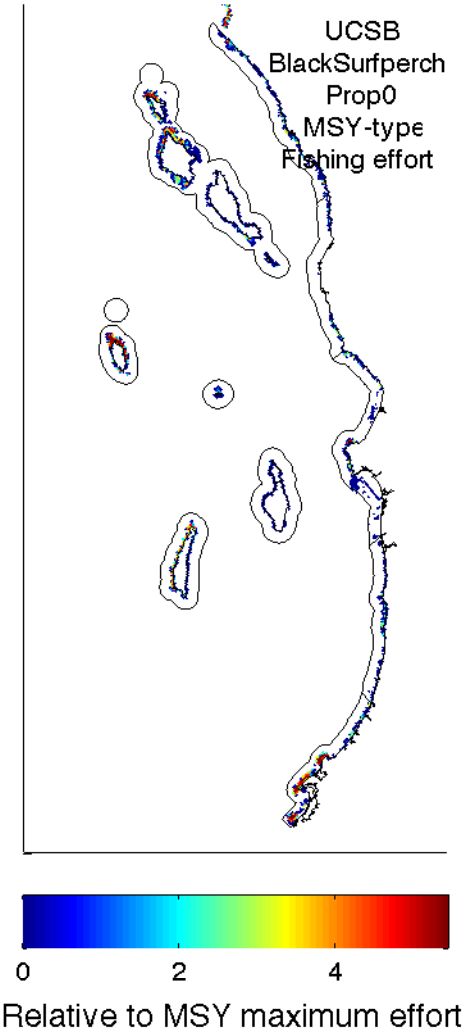

UCD
BlackSurfperch
Prop0
Conservative Mgmt
Fishing yield
0.2
0.4
0.6
0.8
1
1.2
Relative to MSY

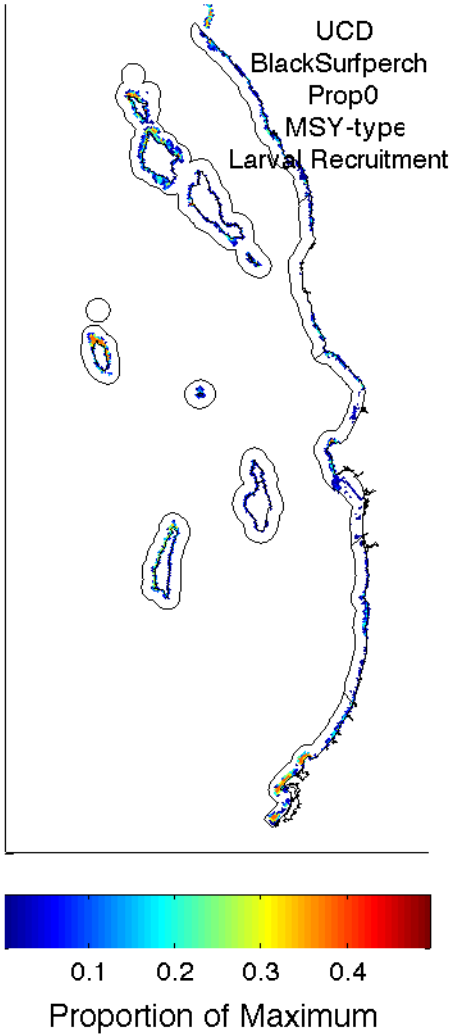

UCSB
BlackSurfperch
Prop0
Conservative Mgmt
Fishing yield
0.2
0.4
0.6
0.8
1
1.2
Relative to MSY

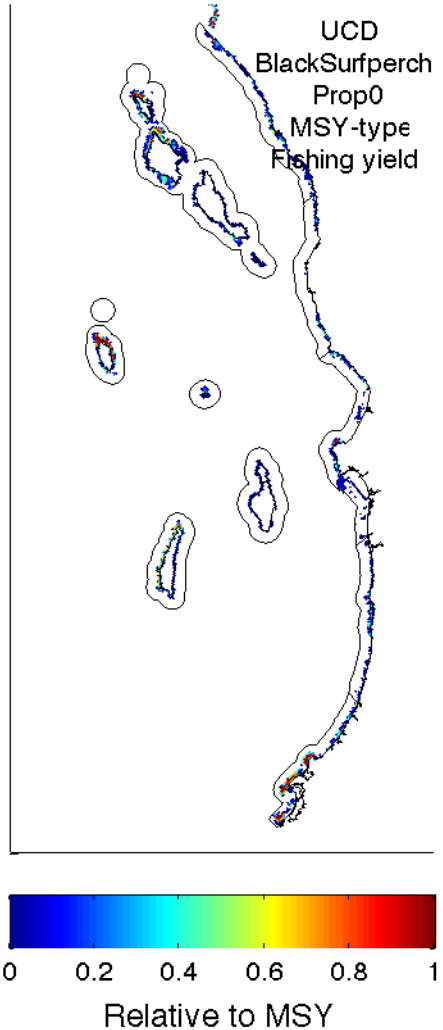

UCD
BlackSurfperch
Prop0
MSY-type
Biomass
0
0.2
0.4
0.6
Relative to unfished

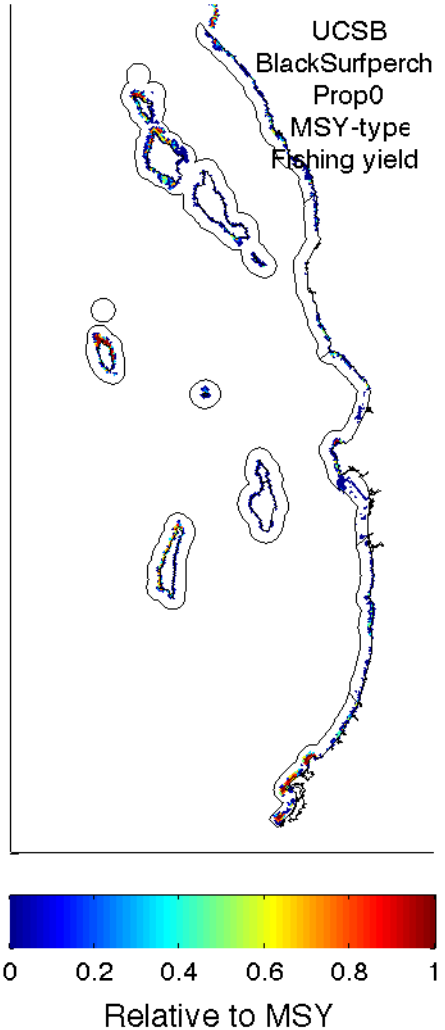

UCSB
BlackSurfperch
Prop0
MSY-type
Biomass
0
0.2
0.4
0.6
Relative to unfished

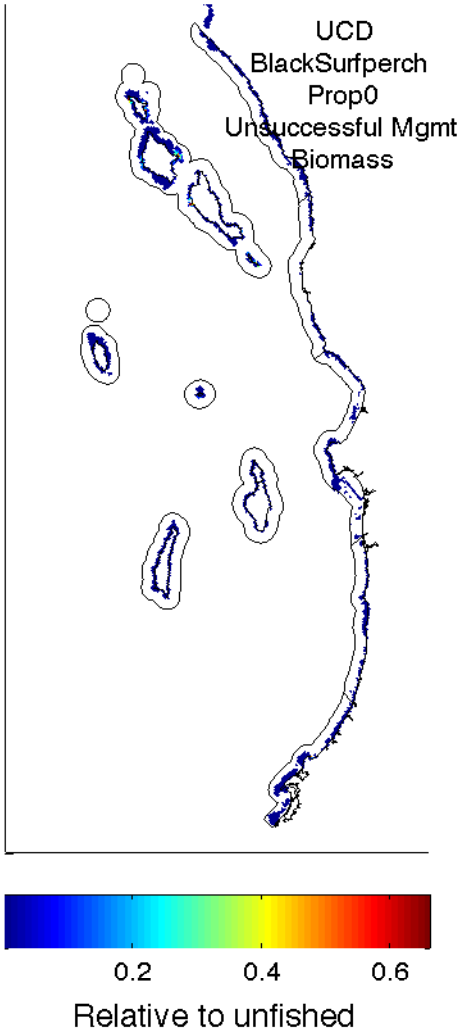

UCD
BlackSurfperch
Prop0
MSY-type
Fishing effort
0
0.5
1
Relative to MSY maximum effort

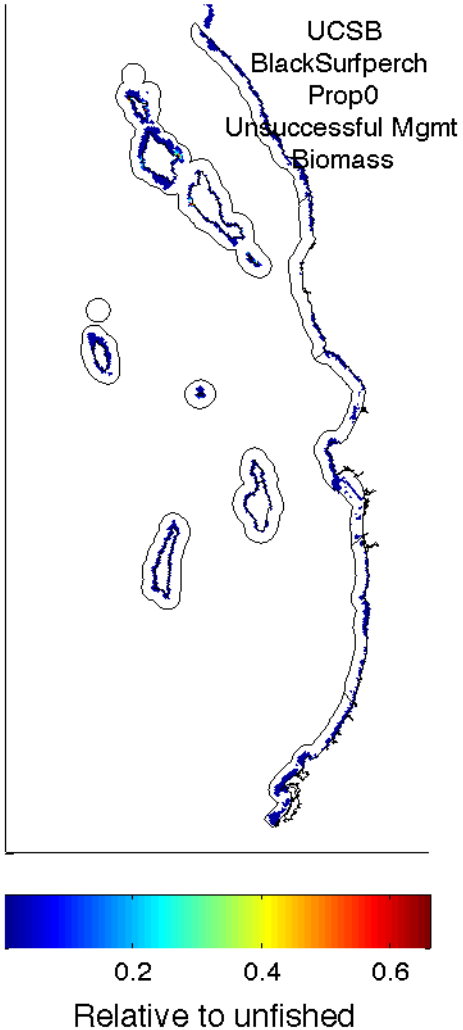

UCSB
BlackSurfperch
Prop0
MSY-type
Fishing effort
0
2
4
Relative to MSY maximum effort

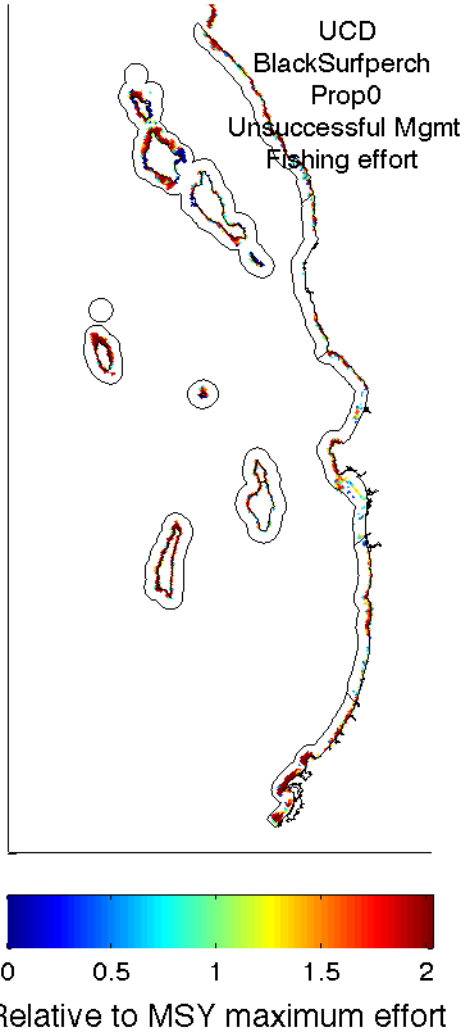

UCD
BlackSurfperch
Prop0
MSY-type
Larval Recruitment
0.1
0.2
0.3
0.4
Proportion of Maximum

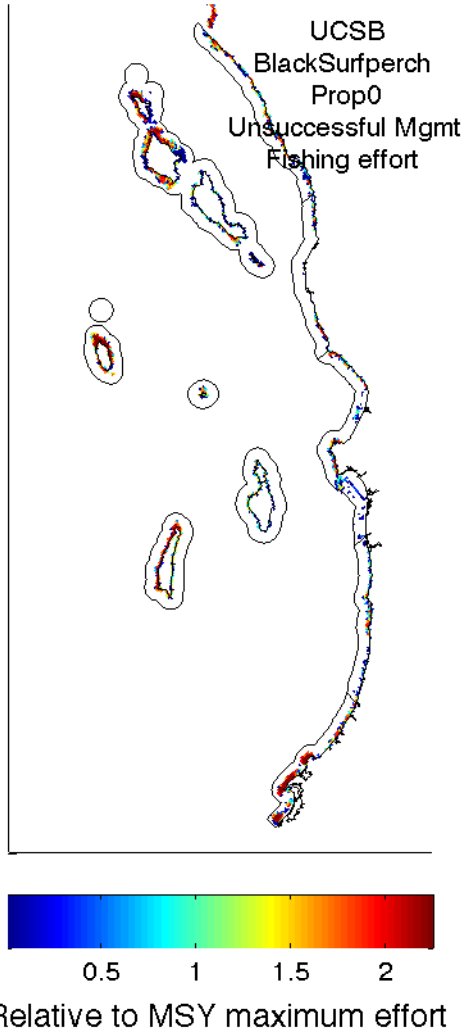

UCD
BlackSurfperch
Prop0
MSY-type
Fishing yield
0
0.2
0.4
0.6
0.8
1
Relative to MSY

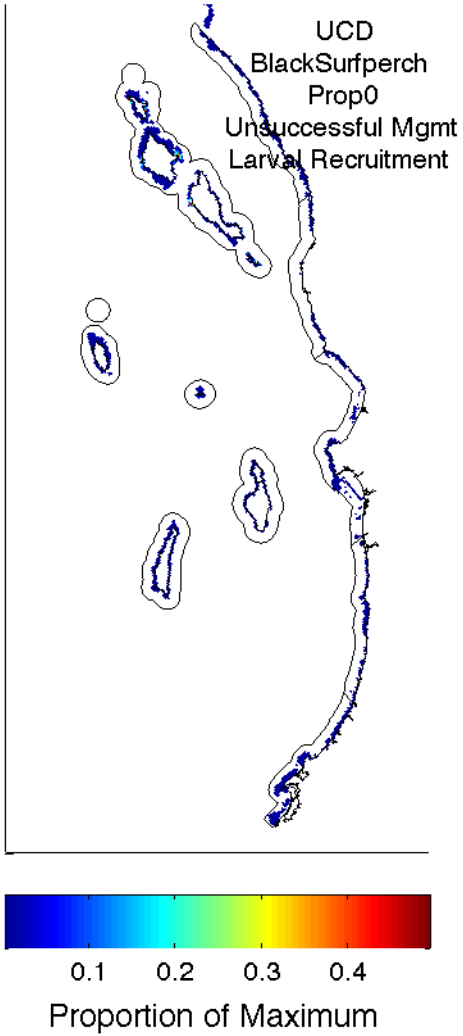

UCSB
BlackSurfperch
Prop0
MSY-type
Fishing yield
0
0.2
0.4
0.6
0.8
1
Relative to MSY

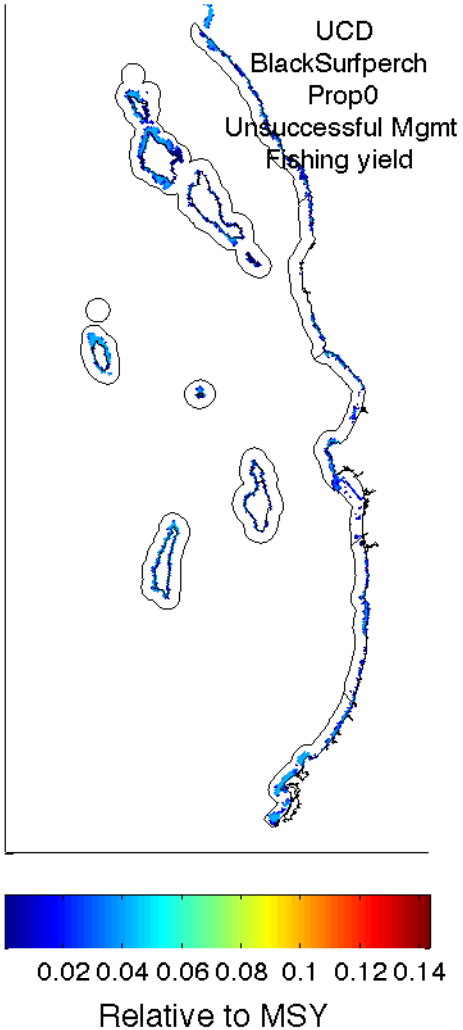

UCD
BlackSurfperch
Prop0
Unsuccessful Mgmt
Biomass
0.2
0.4
0.6
Relative to unfished

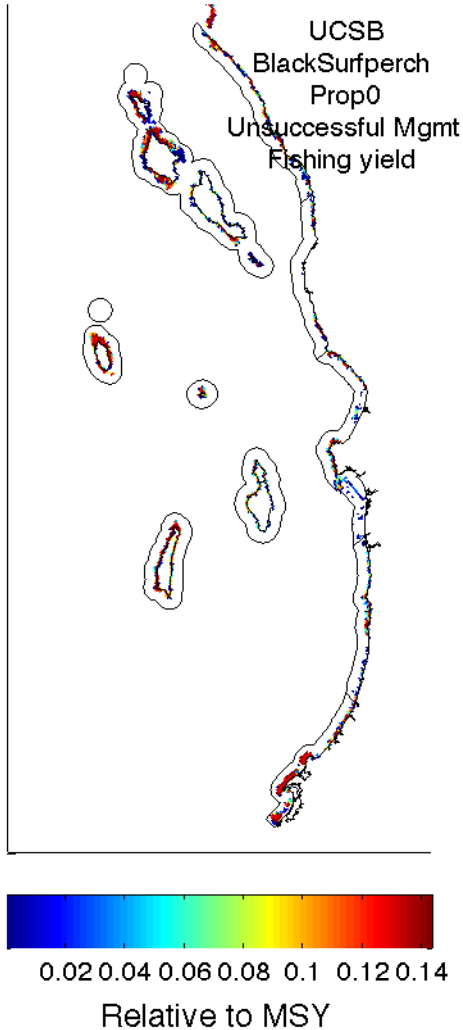

UCSB
BlackSurfperch
Prop0
Unsuccessful Mgmt
Biomass
0.2
0.4
0.6
Relative to unfished

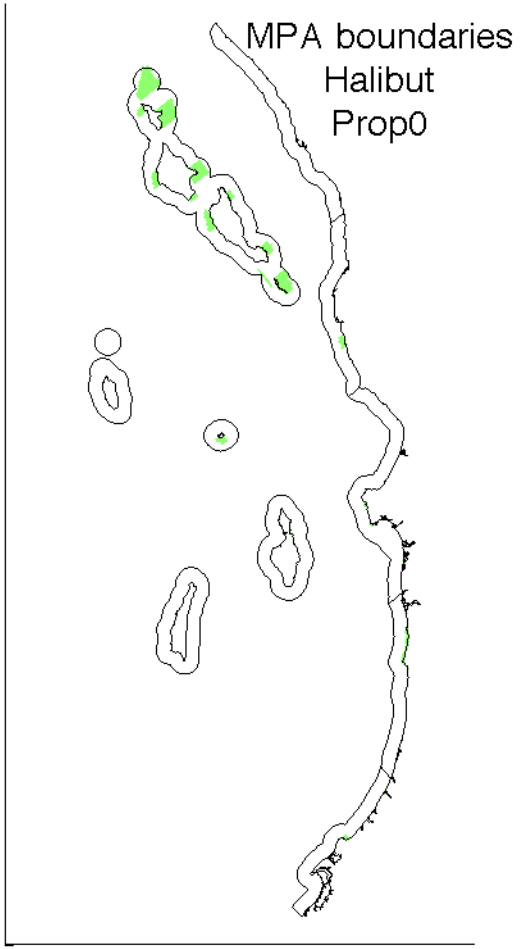

UCD
BlackSurfperch
Prop0
Unsuccessful Mgmt
Fishing effort
0
0.5
1
1.5
2
Relative to MSY maximum effort

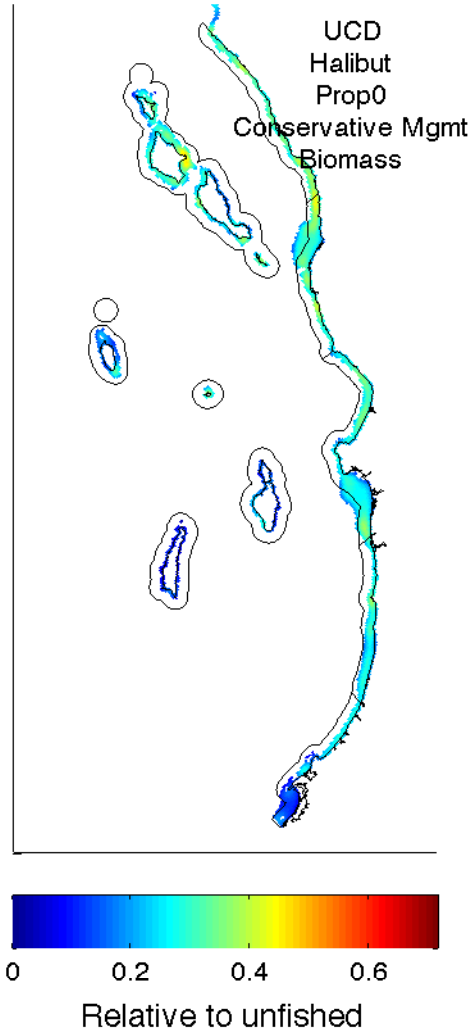

UCSB
BlackSurfperch
Prop0
Unsuccessful Mgmt
Fishing effort
0.5
1
1.5
2
Relative to MSY maximum effort

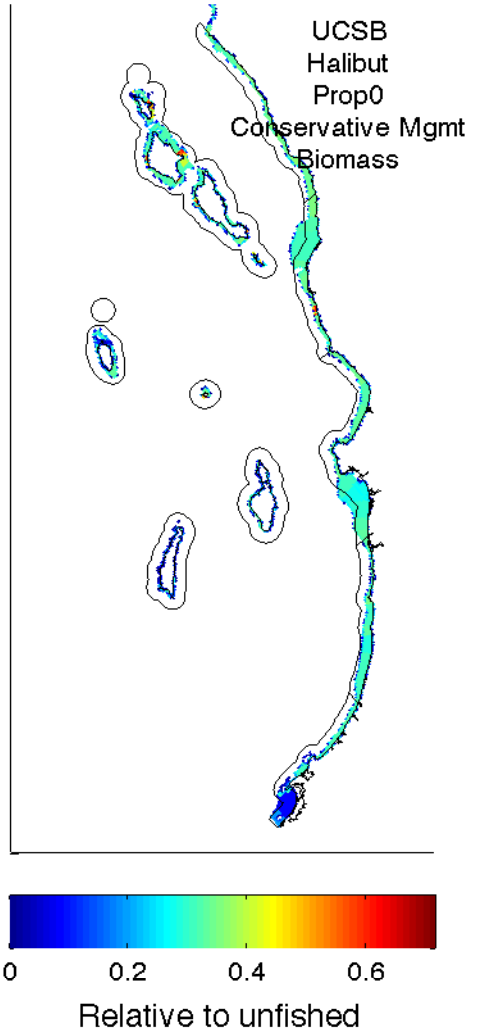

UCD
BlackSurfperch
Prop0
Unsuccessful Mgmt
Larval Recruitment
0.1
0.2
0.3
0.4
Proportion of Maximum

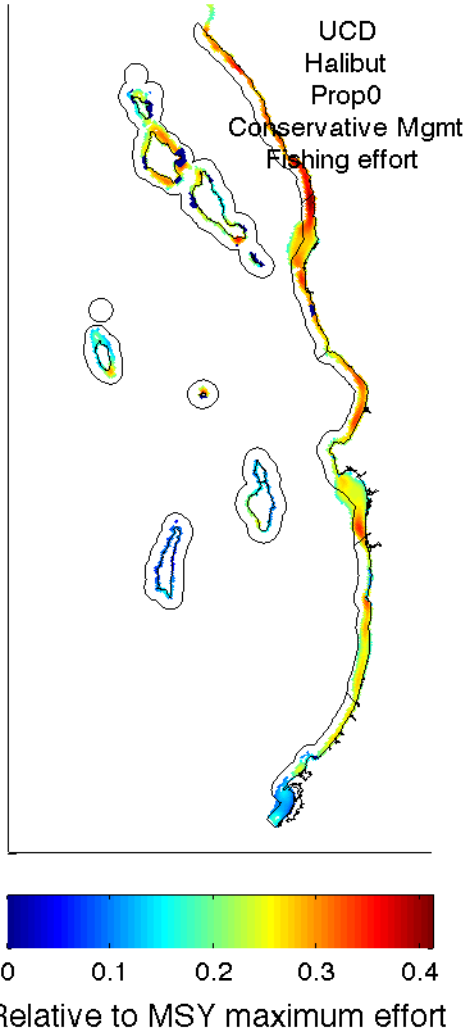

UCD
BlackSurfperch
Prop0
Unsuccessful Mgmt
Fishing yield
0.02 0.04 0.06 0.08 0.1 0.12 0.14
Relative to MSY

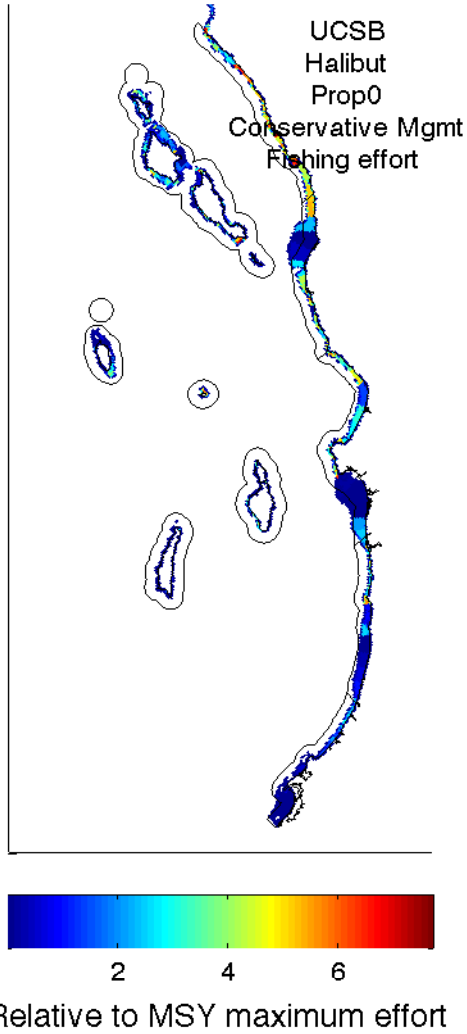

UCSB
BlackSurfperch
Prop0
Unsuccessful Mgmt
Fishing yield
0.02 0.04 0.06 0.08 0.1 0.12 0.14
Relative to MSY

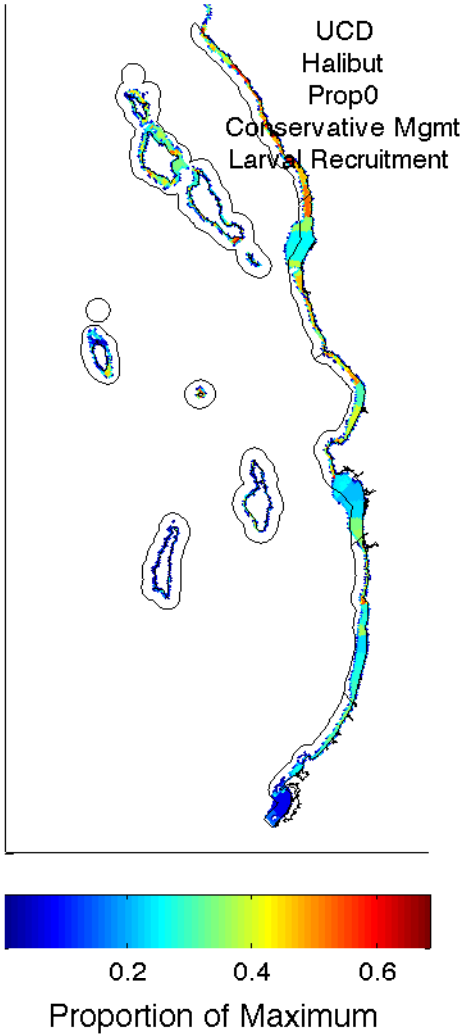

MPA boundaries
Halibut
Prop0

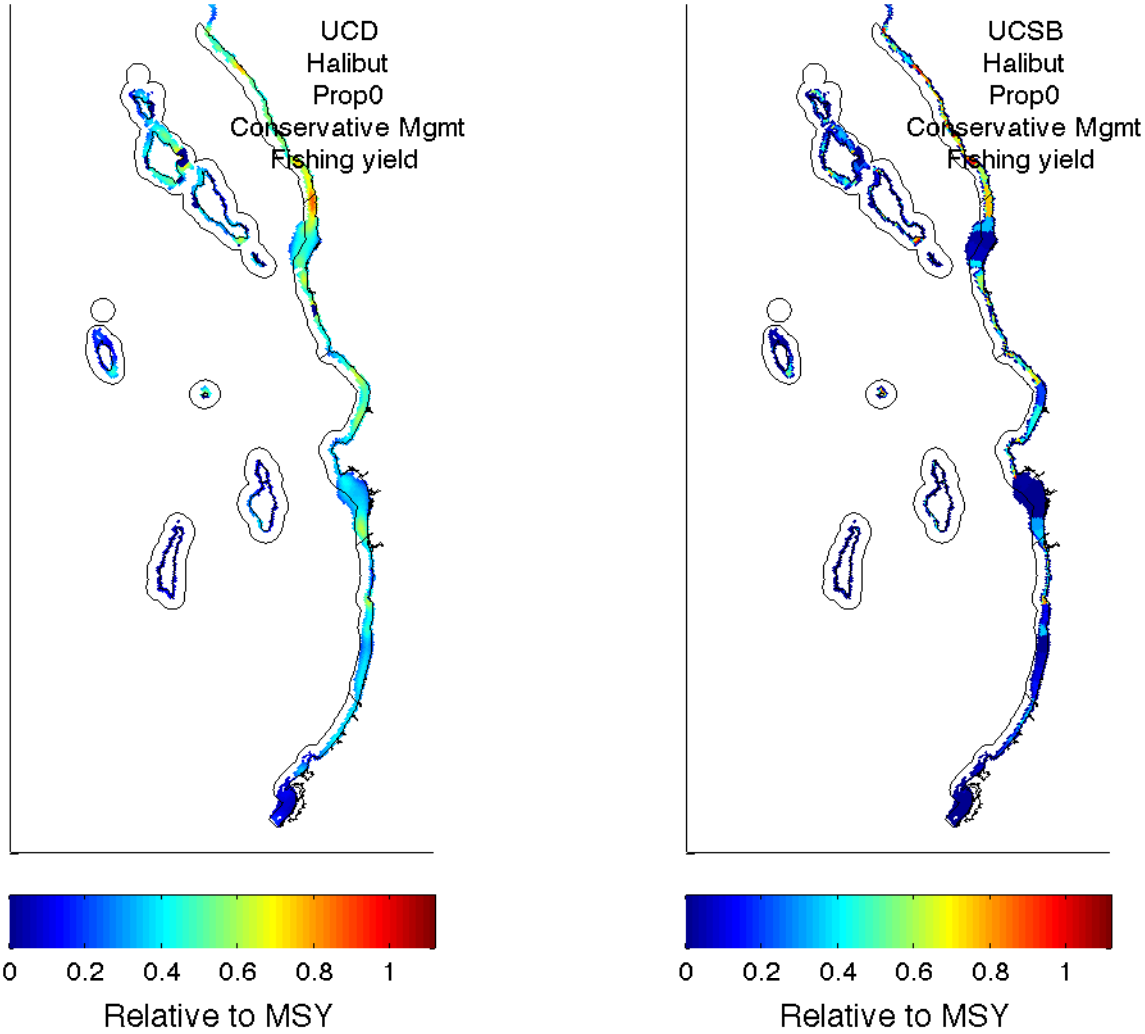

UCD
Halibut
Prop0
Conservative Mgmt
Biomass
0
0.2
0.4
0.6
Relative to unfished

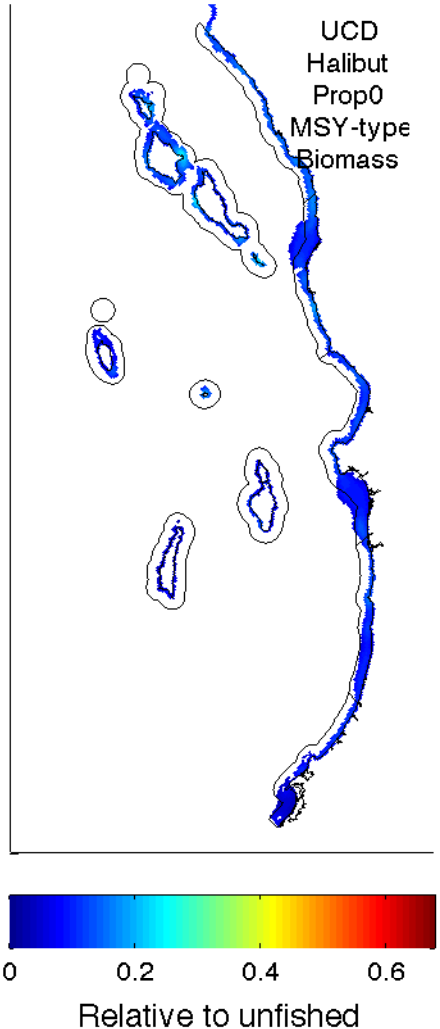

UCSB
Halibut
Prop0
Conservative Mgmt
Biomass
0
0.2
0.4
0.6
Relative to unfished

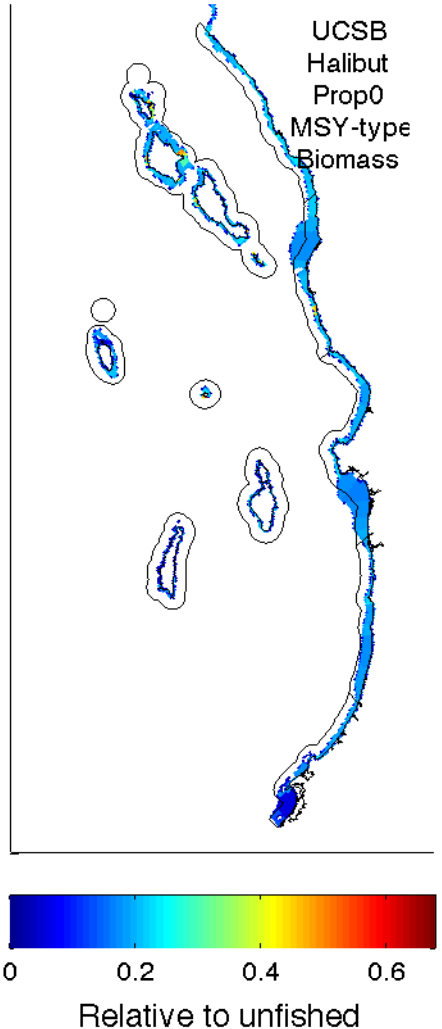

UCD
Halibut
Prop0
Conservative Mgmt
Fishing effort
0
0.1
0.2
0.3
0.4
Relative to MSY maximum effort

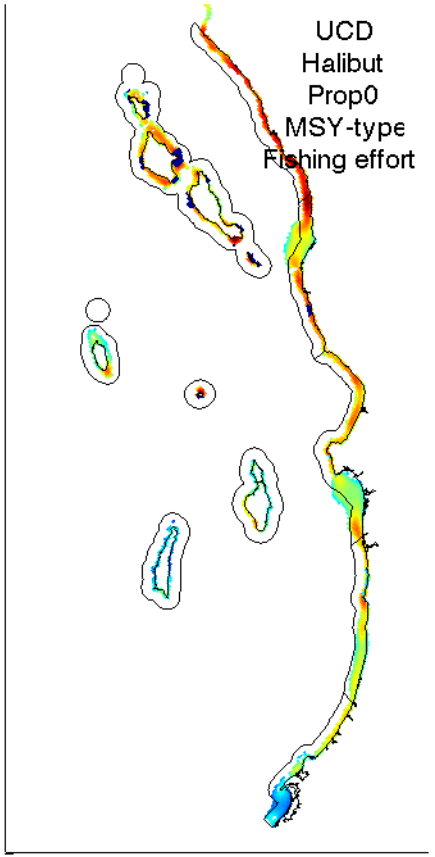

UCSB
Halibut
Prop0
Conservative Mgmt
Fishing effort
2
4
6
Relative to MSY maximum effort

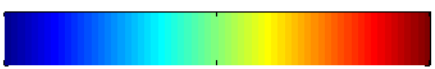

UCD
Halibut
Prop0
Conservative Mgmt
Larval Recruitment
0.2
0.4
0.6
Proportion of Maximum


UCD
Halibut
Prop0
Conservative Mgmt
Fishing yield
0
0.2
0.4
0.6
0.8
1
Relative to MSY
UCSB
Halibut
Prop0
Conservative Mgmt
Fishing yield
0
0.2
0.4
0.6
0.8
1
Relative to MSY

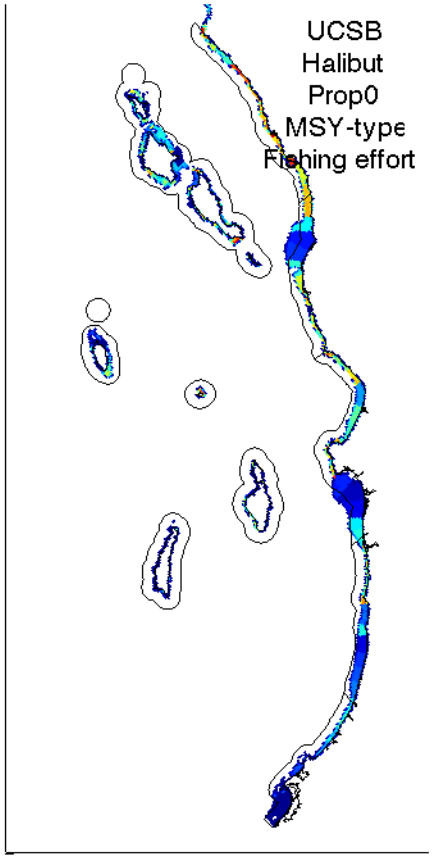

UCD
Halibut
Prop0
MSY-type
Biomass
0
0.2
0.4
0.6
Relative to unfished

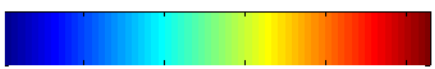

UCSB
Halibut
Prop0
MSY-type
Biomass
0
0.2
0.4
0.6
Relative to unfished



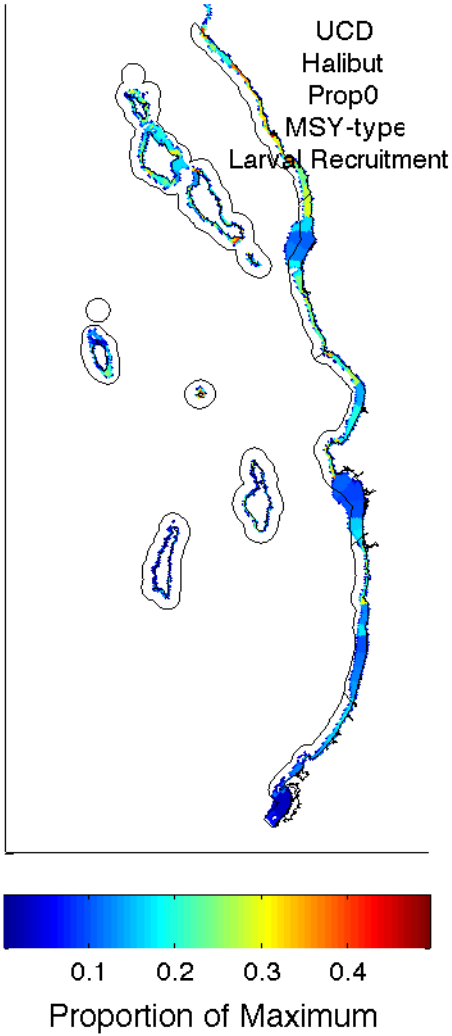


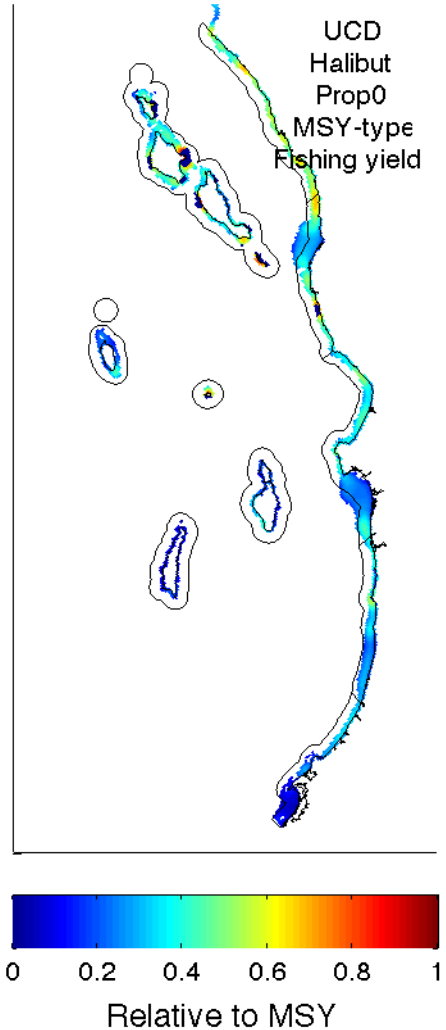
Relative to MSY maximum effort

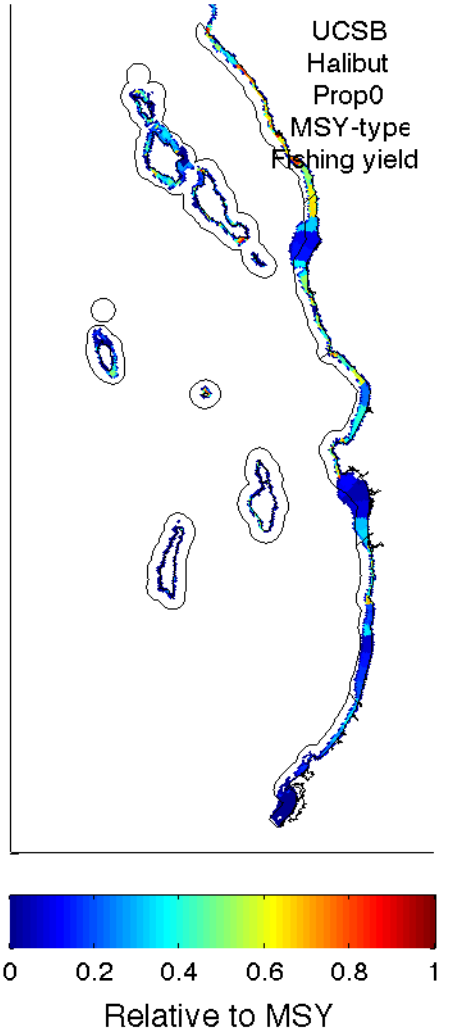


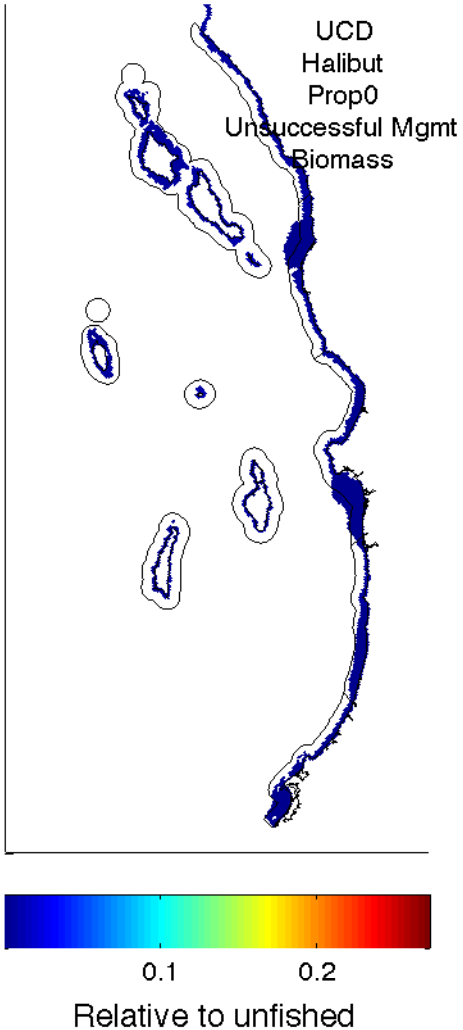


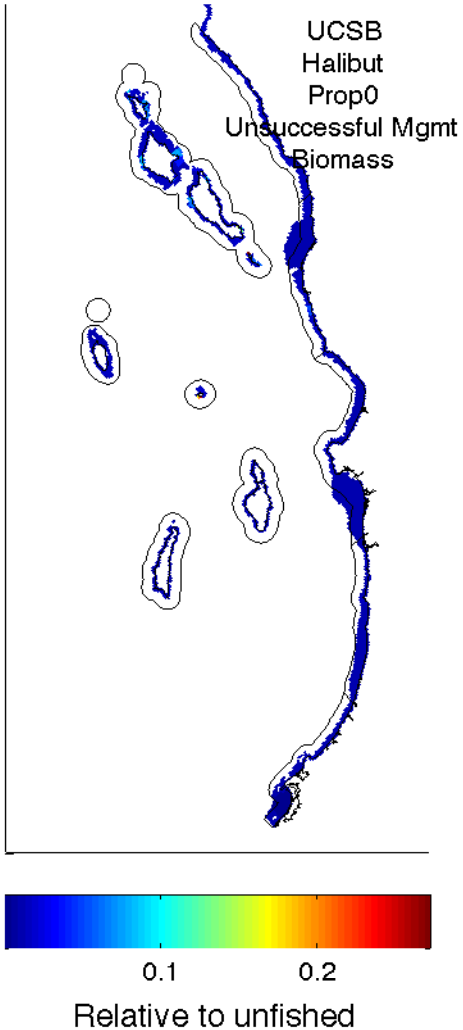
Relative to MSY maximum effort

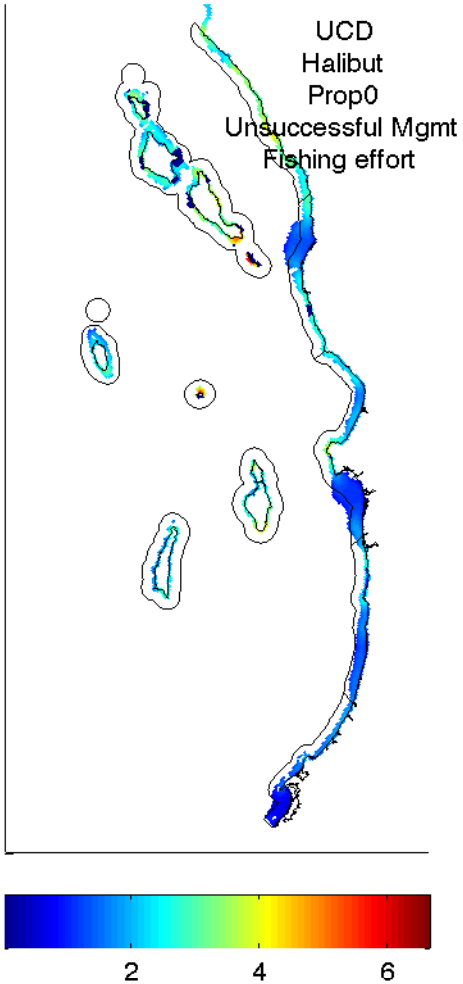

UCD
Halibut
Prop0
MSY-type
Larval Recruitment
0.1
0.2
0.3
0.4
Proportion of Maximum


UCD
Halibut
Prop0
MSY-type
Fishing yield
0
0.2
0.4
0.6
0.8
1
Relative to MSY

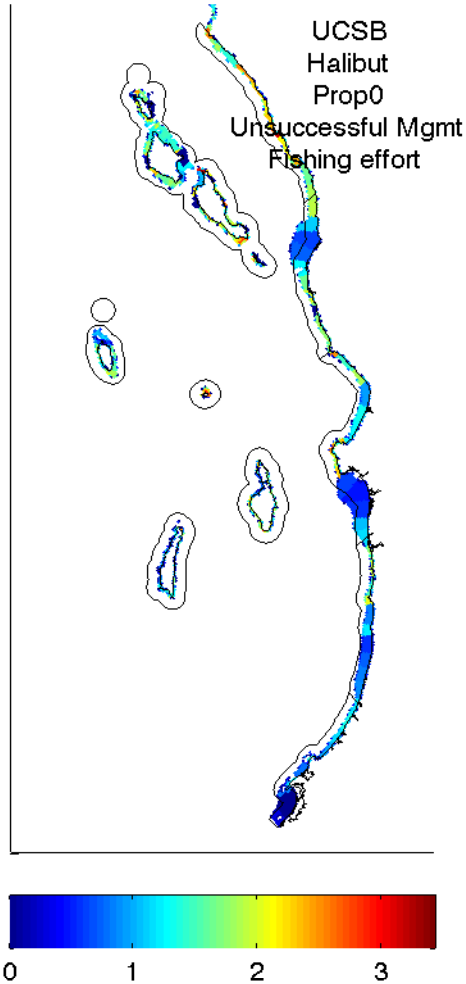

UCSB
Halibut
Prop0
MSY-type
Fishing yield
0
0.2
0.4
0.6
0.8
1
Relative to MSY


UCD
Halibut
Prop0
Unsuccessful Mgmt
Biomass
0.1
0.2
Relative to unfished

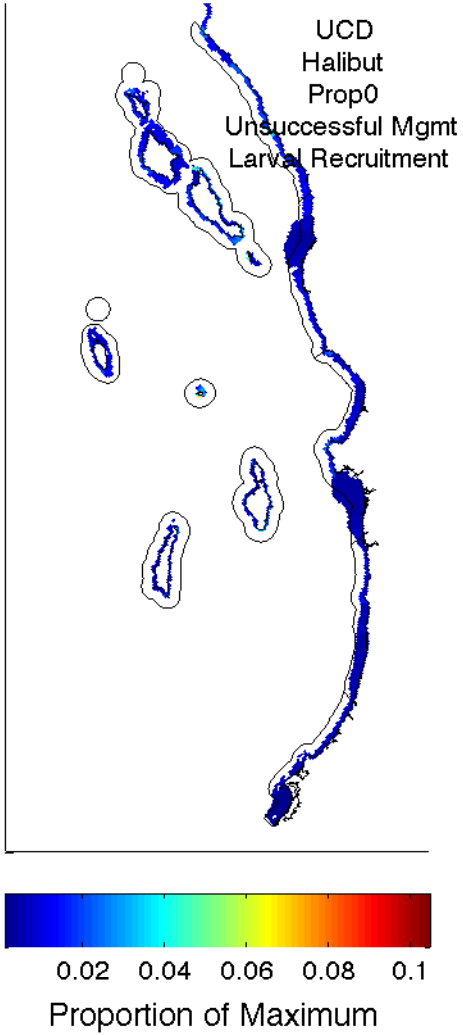

UCSB
Halibut
Prop0
Unsuccessful Mgmt
Biomass
0.1
0.2
Relative to unfished

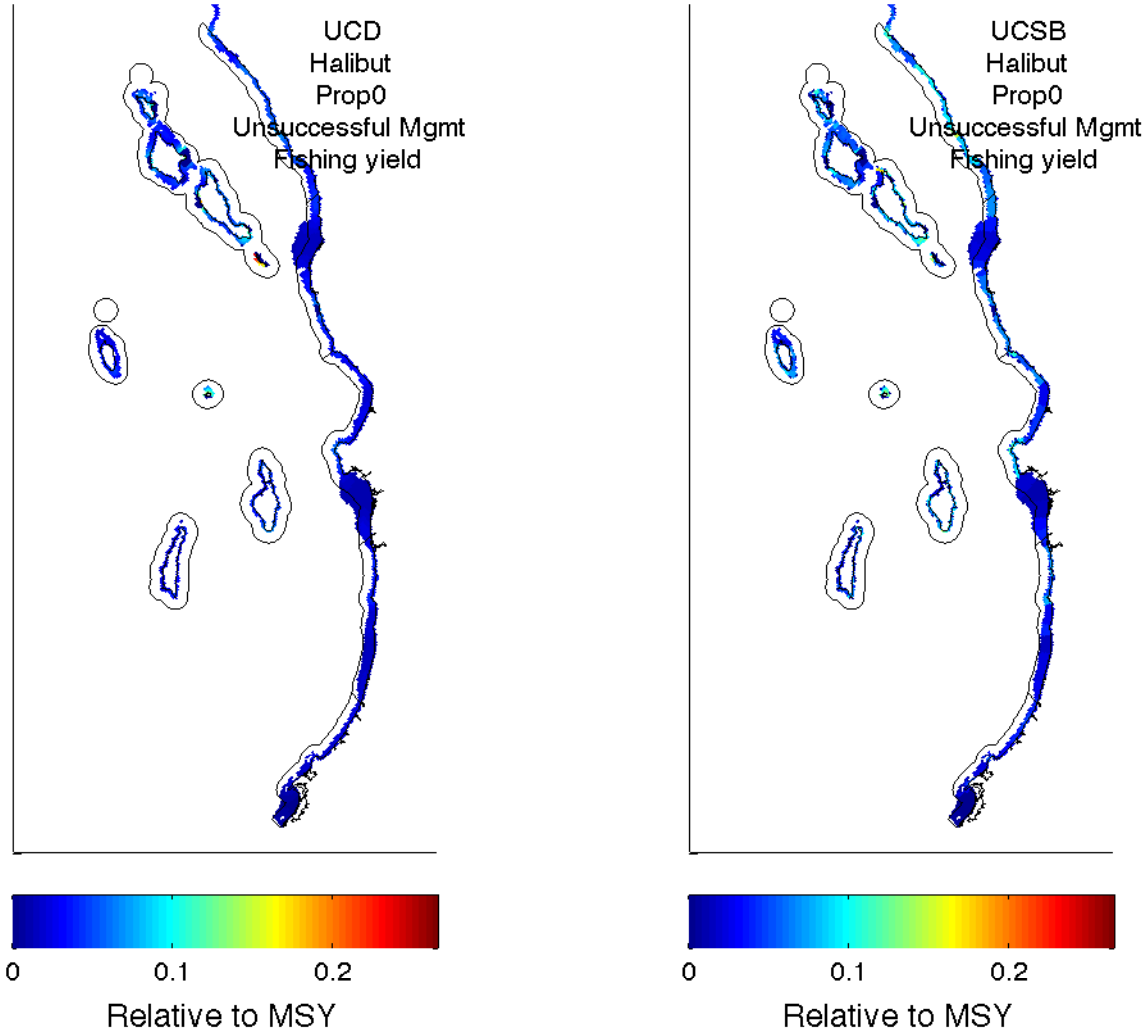


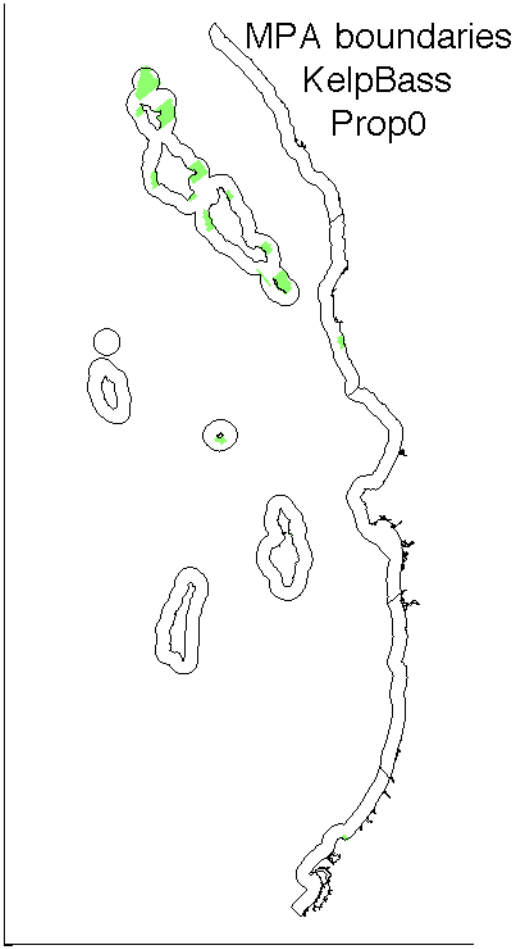
Relative to MSY maximum effort

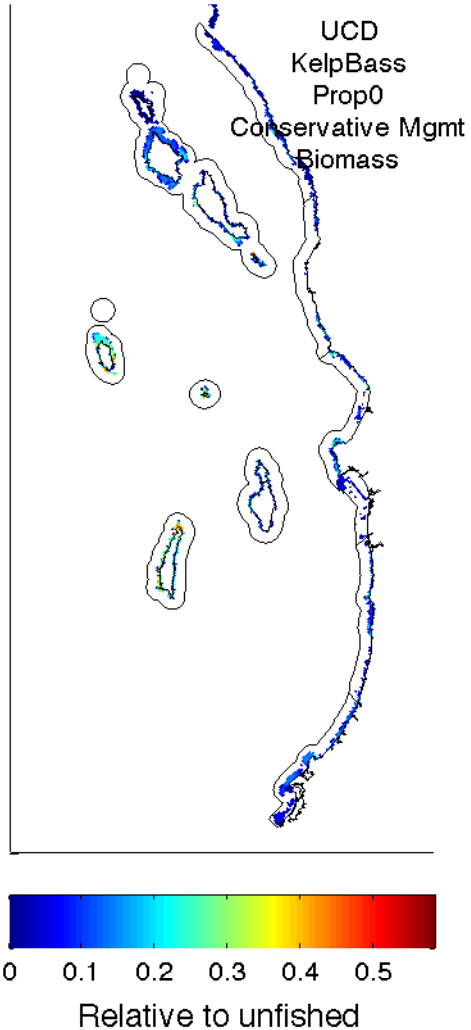


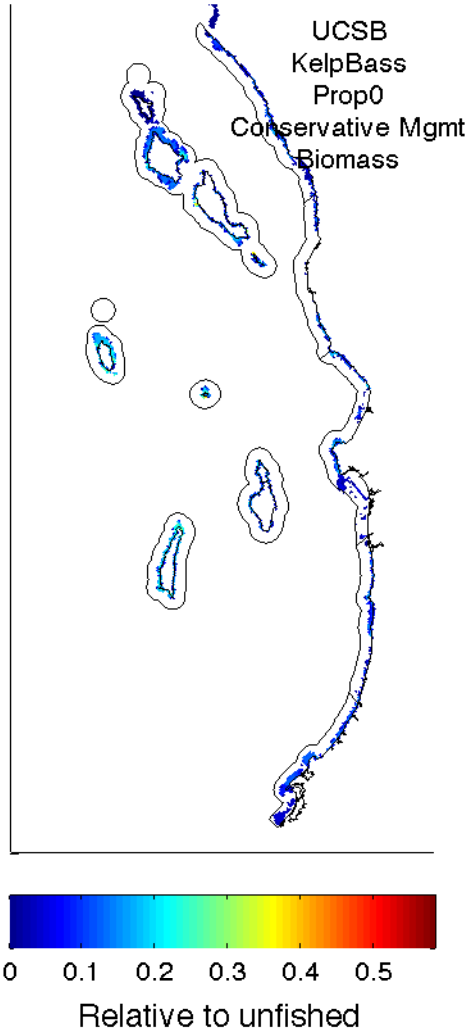
Relative to MSY maximum effort

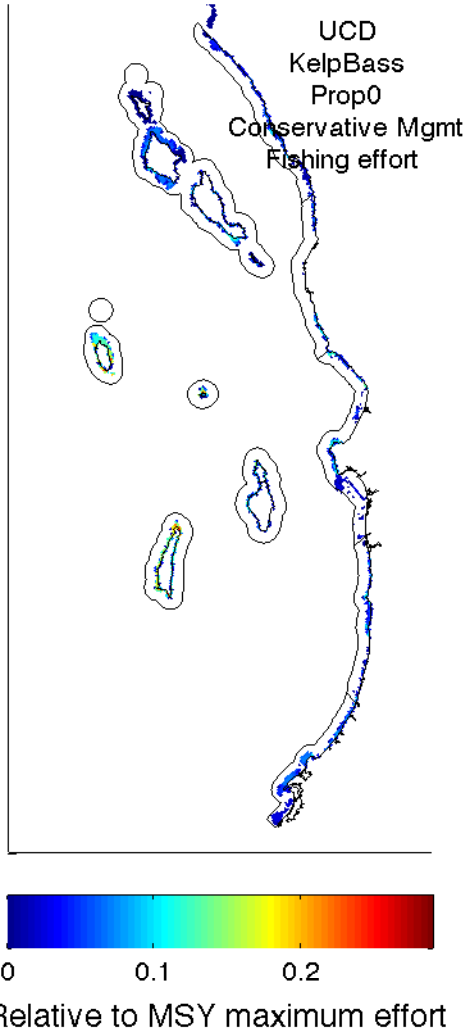

UCD
Halibut
Prop0
Unsuccessful Mgmt
Larval Recruitment
0.02
0.04
0.06
0.08
0.1
Proportion of Maximum

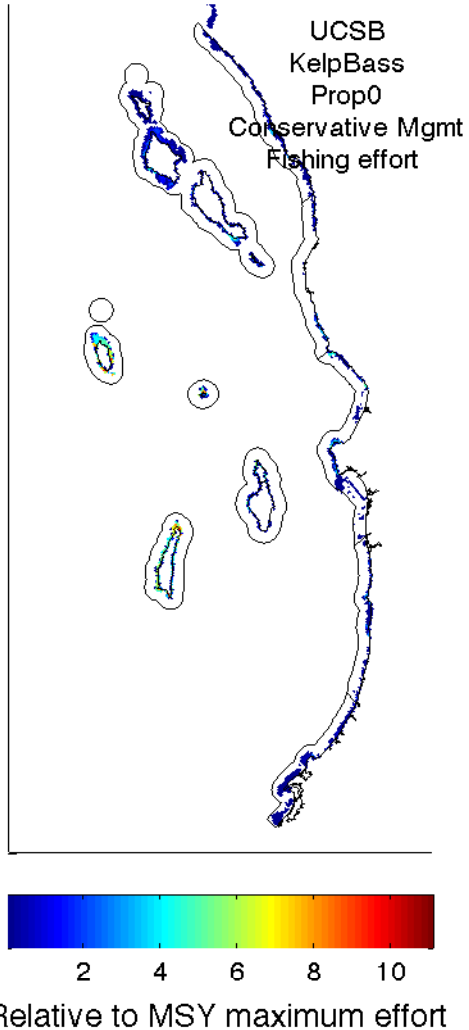

UCD
Halibut
Prop0
Unsuccessful Mgmt
Fishing yield
0
0.1
0.2
Relative to MSY
UCSB
Halibut
Prop0
Unsuccessful Mgmt
Fishing yield
0
0.1
0.2
Relative to MSY

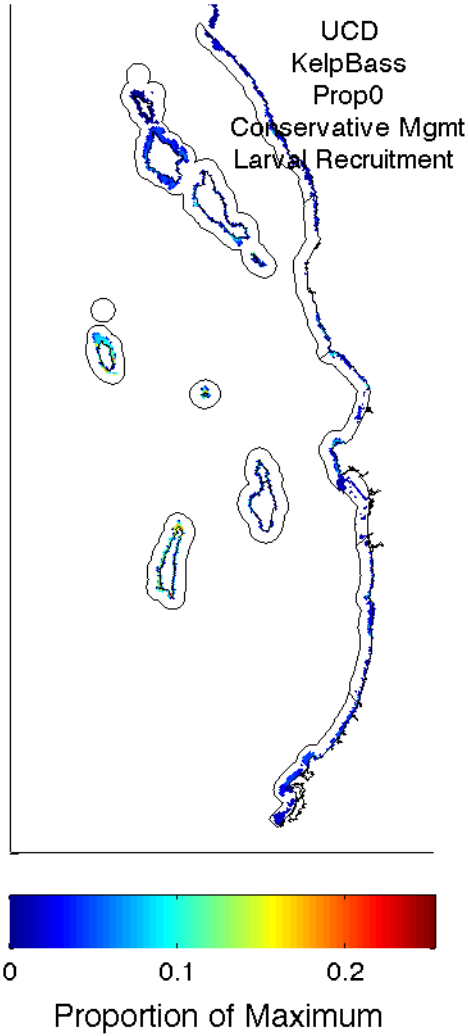

MPA boundaries
KelpBass
Prop0

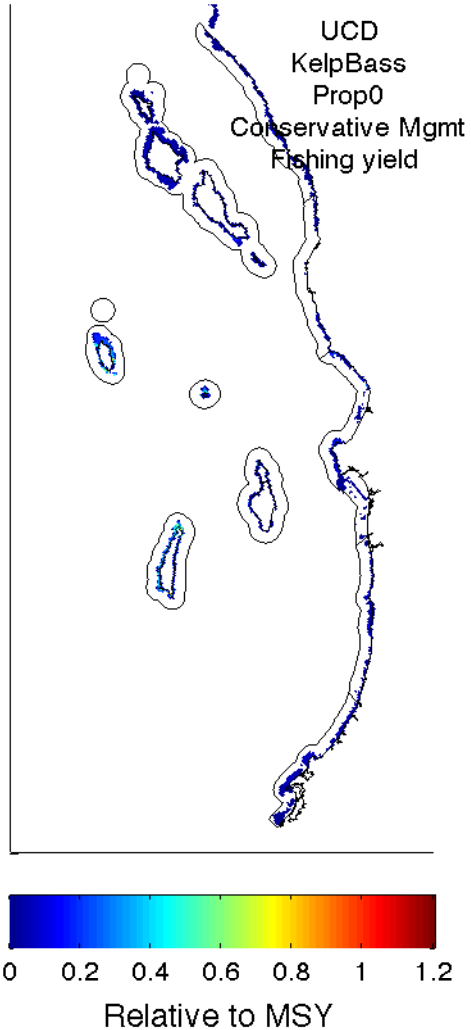

UCD
KelpBass
Prop0
Conservative Mgmt
Biomass
0
0.1
0.2
0.3
0.4
0.5
Relative to unfished

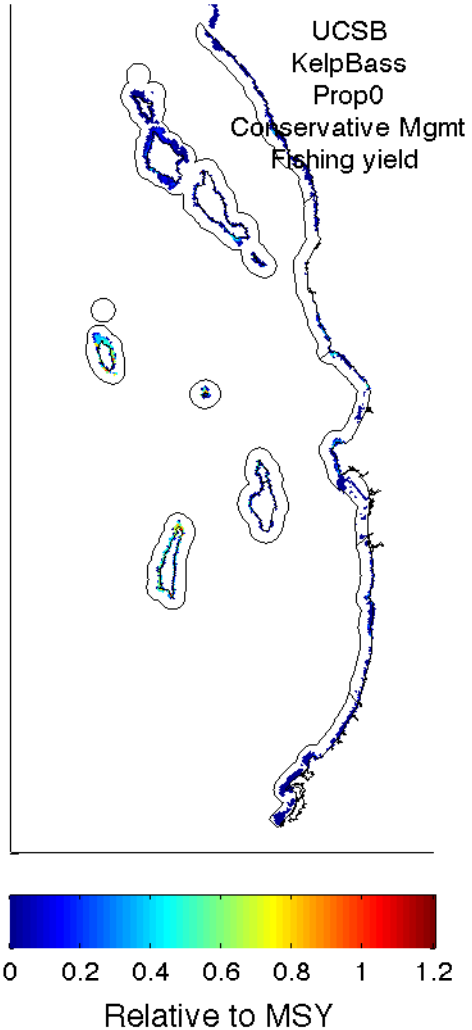

UCSB
KelpBass
Prop0
Conservative Mgmt
Biomass
0
0.1
0.2
0.3
0.4
0.5
Relative to unfished

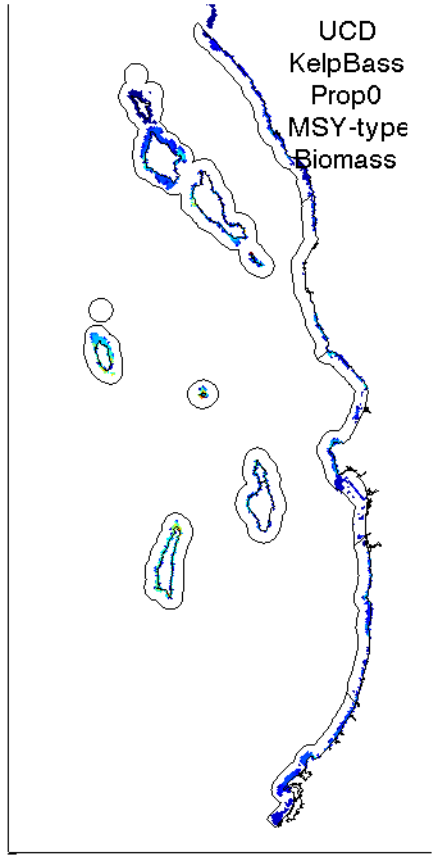

UCD
KelpBass
Prop0
Conservative Mgmt
Fishing effort
0
0.1
0.2
Relative to MSY maximum effort

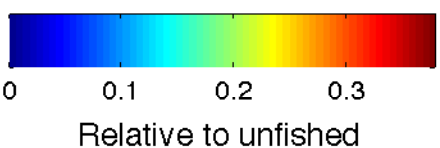

UCSB
KelpBass
Prop0
Conservative Mgmt
Fishing effort
2
4
6
8
10
Relative to MSY maximum effort

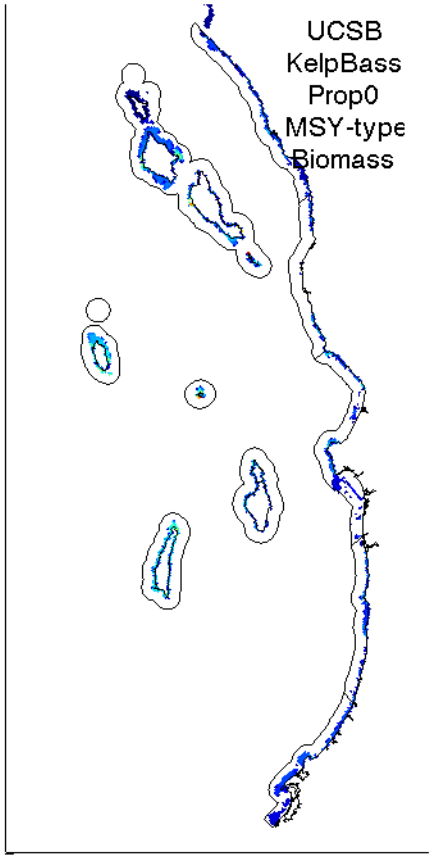

UCD
KelpBass
Prop0
Conservative Mgmt
Larval Recruitment
0
0.1
0.2
Proportion of Maximum

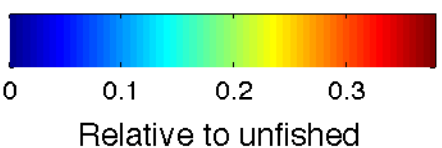

UCD
KelpBass
Prop0
Conservative Mgmt
Fishing yield
0
0.2
0.4
0.6
0.8
1
1.2
Relative to MSY

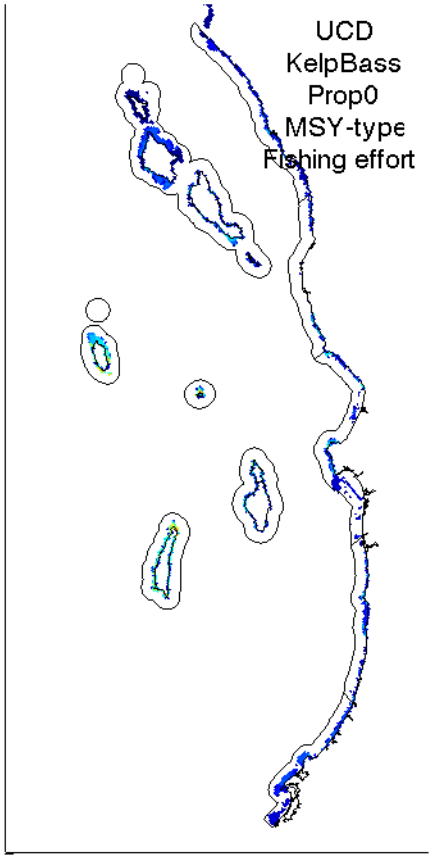

UCSB
KelpBass
Prop0
Conservative Mgmt
Fishing yield
0
0.2
0.4
0.6
0.8
1
1.2
Relative to MSY

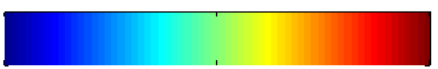

UCD
KelpBass
Prop0
MSY-type
Biomass


0
0.1
0.2
0.3
Relative to unfished

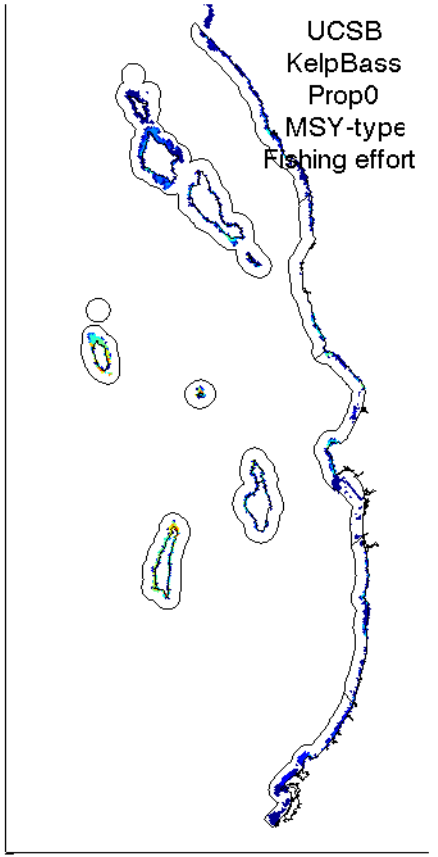

UCSB
KelpBass
Prop0
MSY-type
Biomass

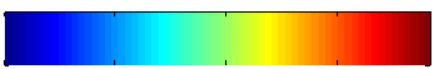

0
0.1
0.2
0.3
Relative to unfished



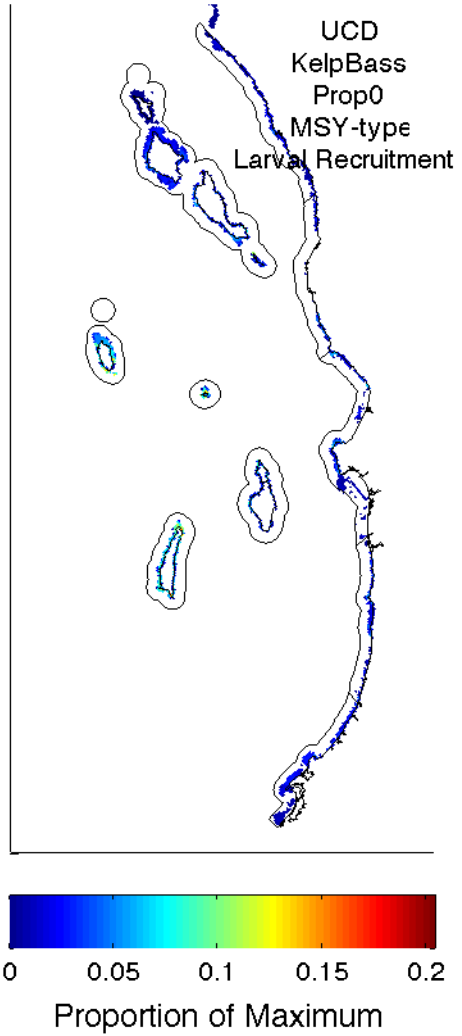


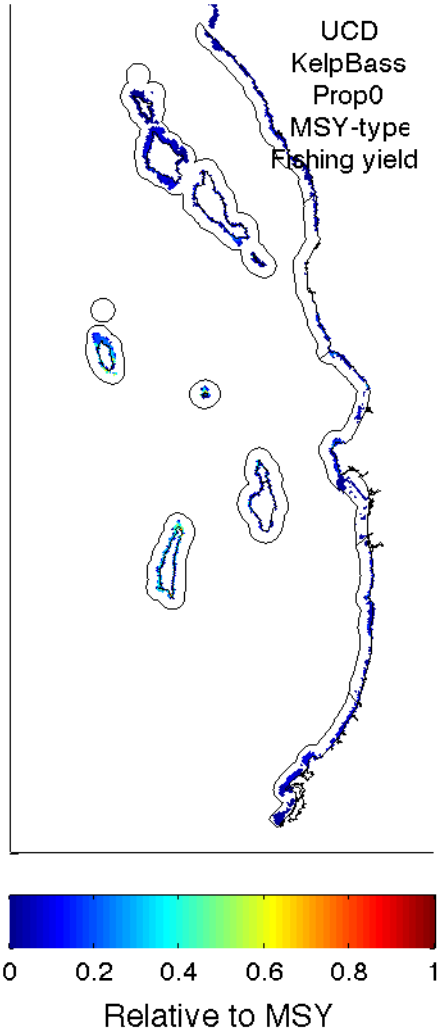
Relative to MSY maximum effort

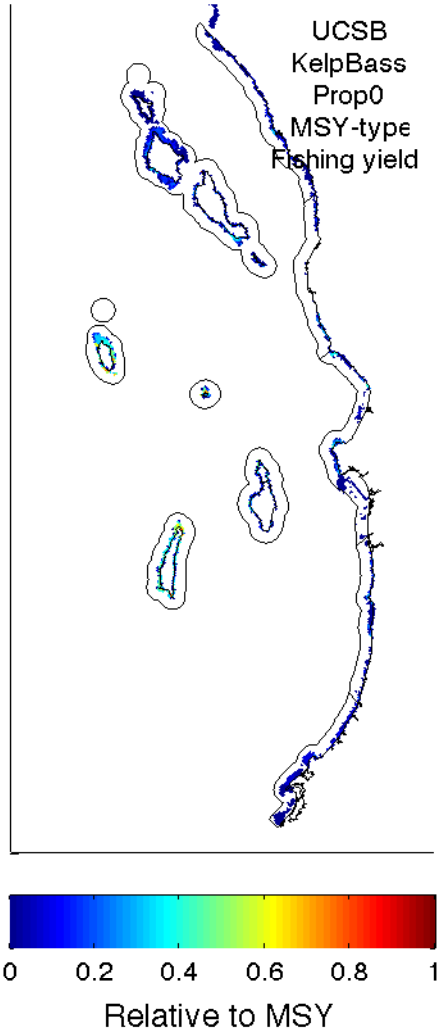


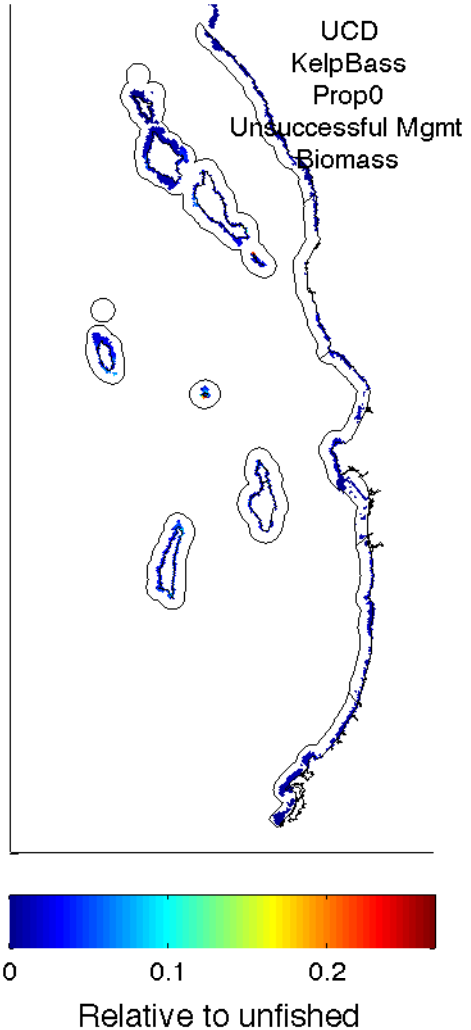


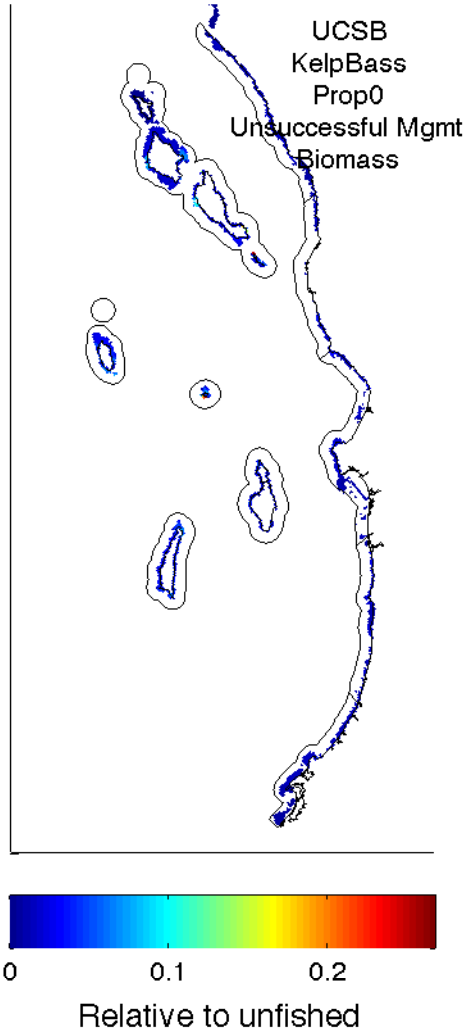
Relative to MSY maximum effort

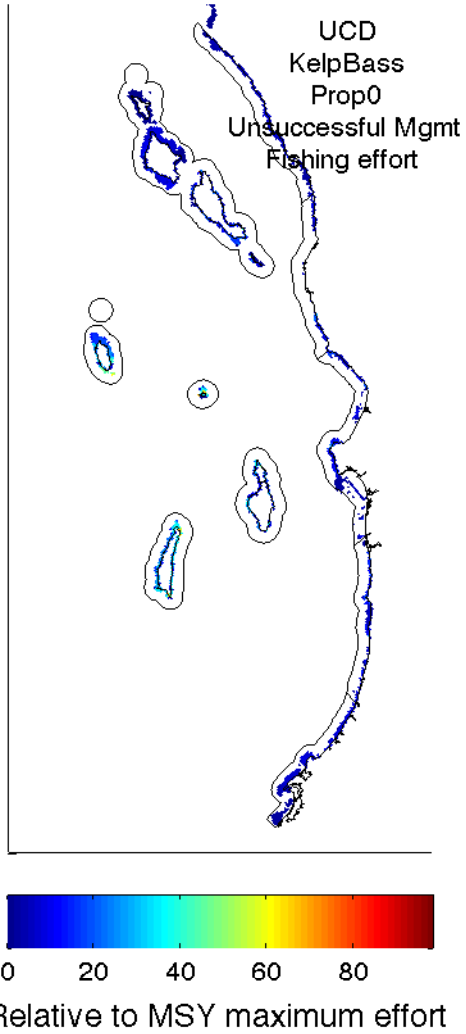

UCD
KelpBass
Prop0
MSY-type
Larval Recruitment
0
0.05
0.1
0.15
0.2
Proportion of Maximum

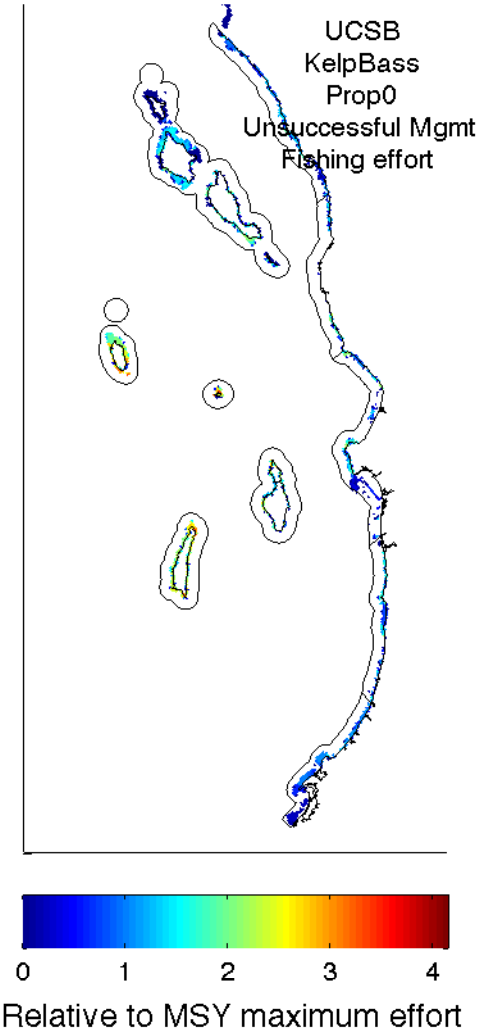

UCD
KelpBass
Prop0
MSY-type
Fishing yield
0
0.2
0.4
0.6
0.8
1
Relative to MSY

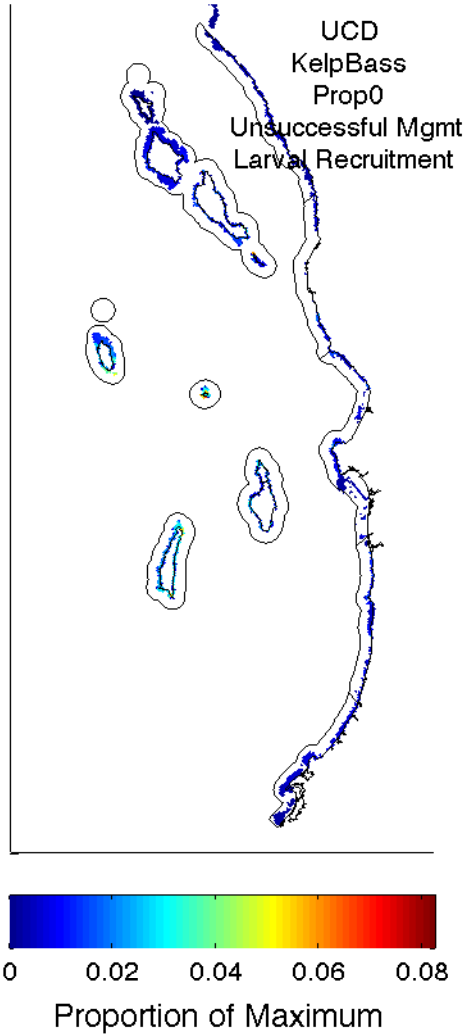

UCSB
KelpBass
Prop0
MSY-type
Fishing yield
0
0.2
0.4
0.6
0.8
1
Relative to MSY

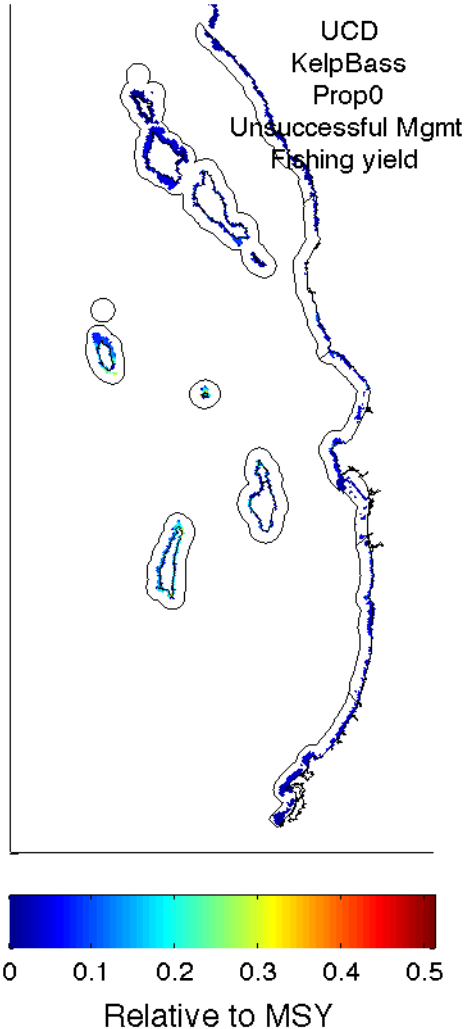

UCD
KelpBass
Prop0
Unsuccessful Mgmt
Biomass
0
0.1
0.2
Relative to unfished

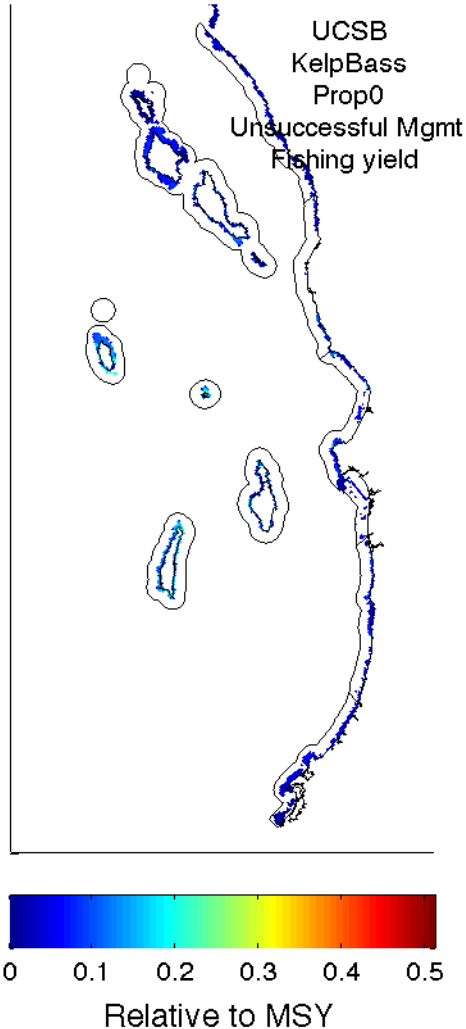

UCSB
KelpBass
Prop0
Unsuccessful Mgmt
Biomass
0
0.1
0.2
Relative to unfished

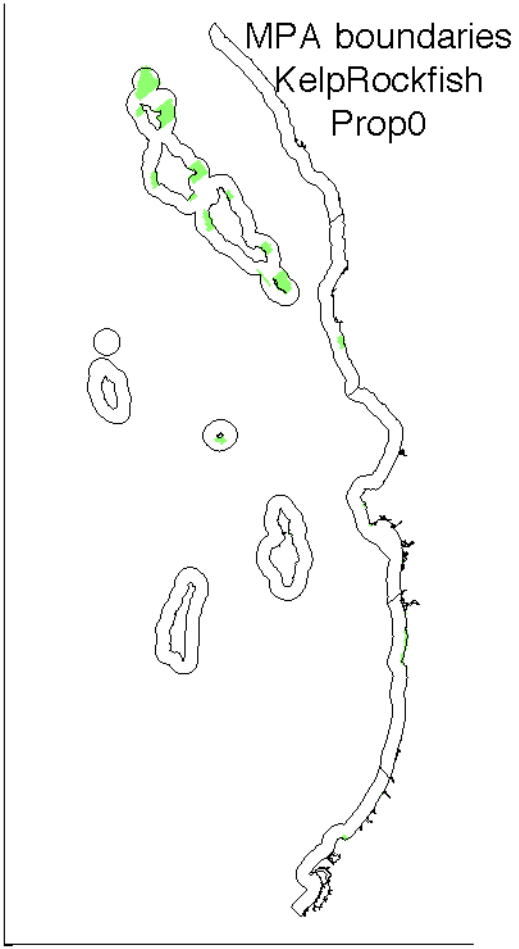

UCD
KelpBass
Prop0
Unsuccessful Mgmt
Fishing effort
0
20
40
60
80
Relative to MSY maximum effort

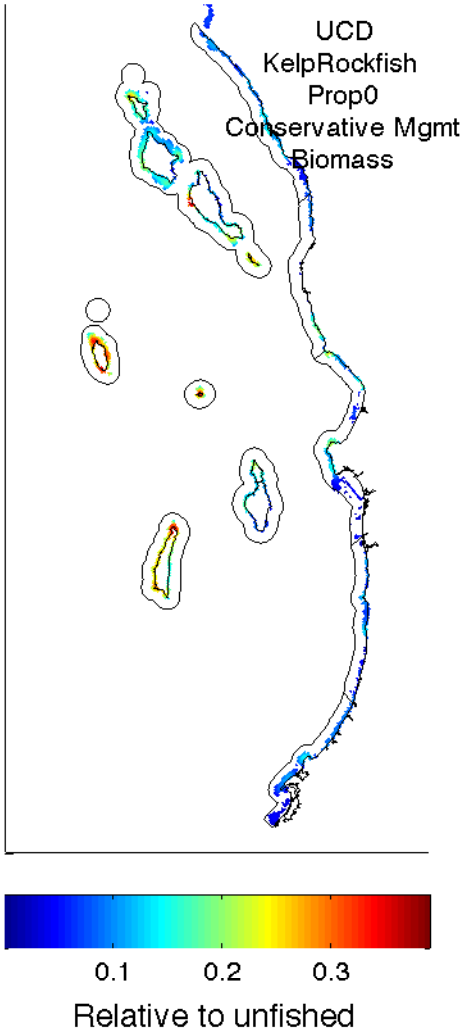

UCSB
KelpBass
Prop0
Unsuccessful Mgmt
Fishing effort
0
1
2
3
4
Relative to MSY maximum effort

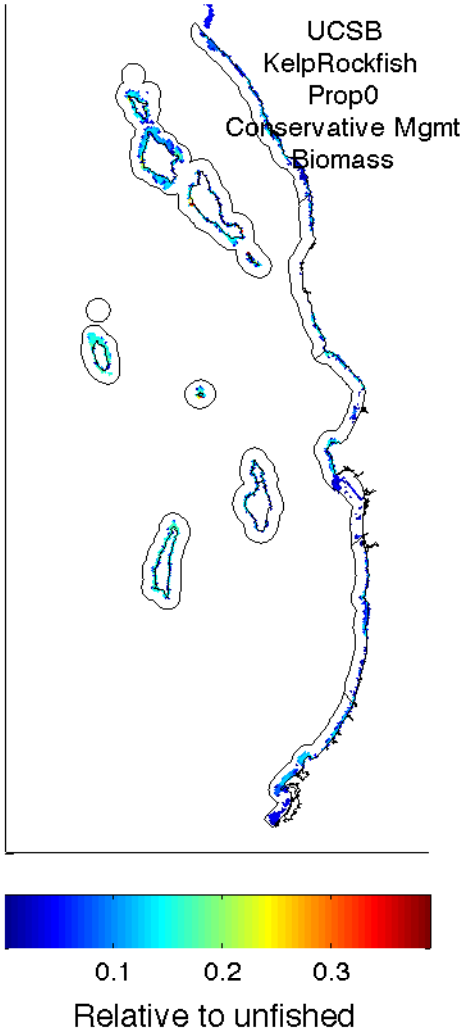

UCD
KelpBass
Prop0
Unsuccessful Mgmt
Larval Recruitment
0
0.02
0.04
0.06
0.08
Proportion of Maximum

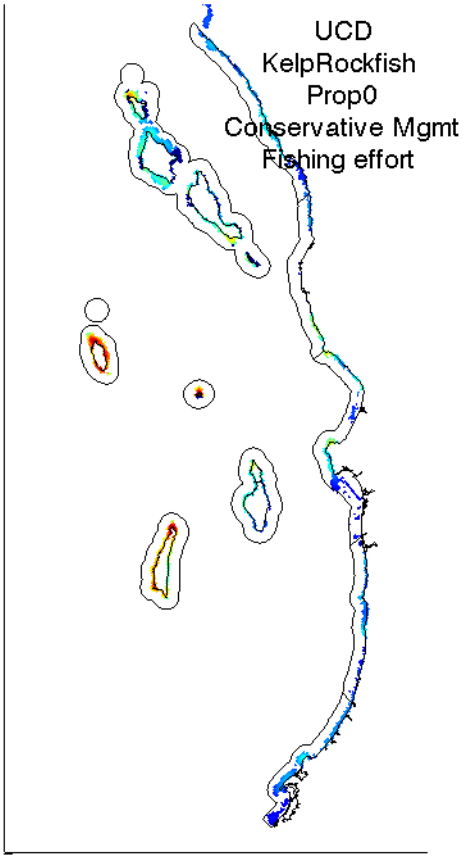

UCD
KelpBass
Prop0
Unsuccessful Mgmt
Fishing yield
0
0.1
0.2
0.3
0.4
0.5
Relative to MSY

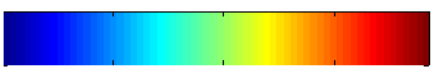

UCSB
KelpBass
Prop0
Unsuccessful Mgmt
Fishing yield
0
0.1
0.2
0.3
0.4
0.5
Relative to MSY


MPA boundaries
KelpRockfish
Prop0

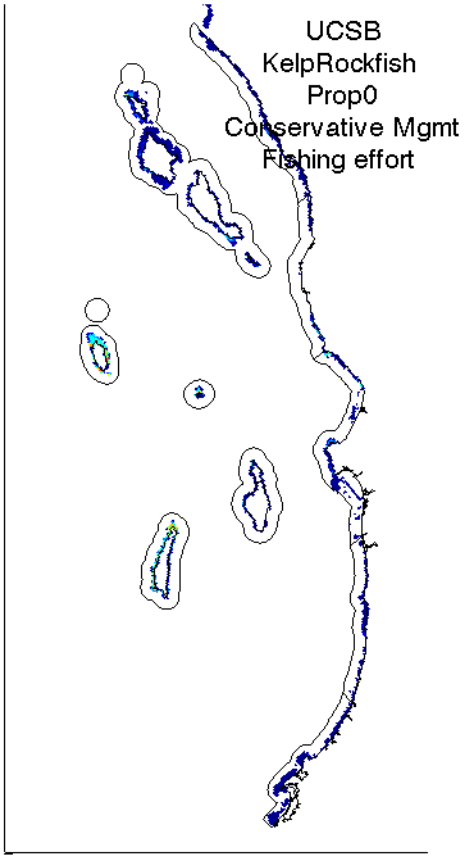

UCD
KelpRockfish
Prop0
Conservative Mgmt
Biomass
0.1
0.2
0.3
Relative to unfished


UCSB
KelpRockfish
Prop0
Conservative Mgmt
Biomass
0.1
0.2
0.3
Relative to unfished

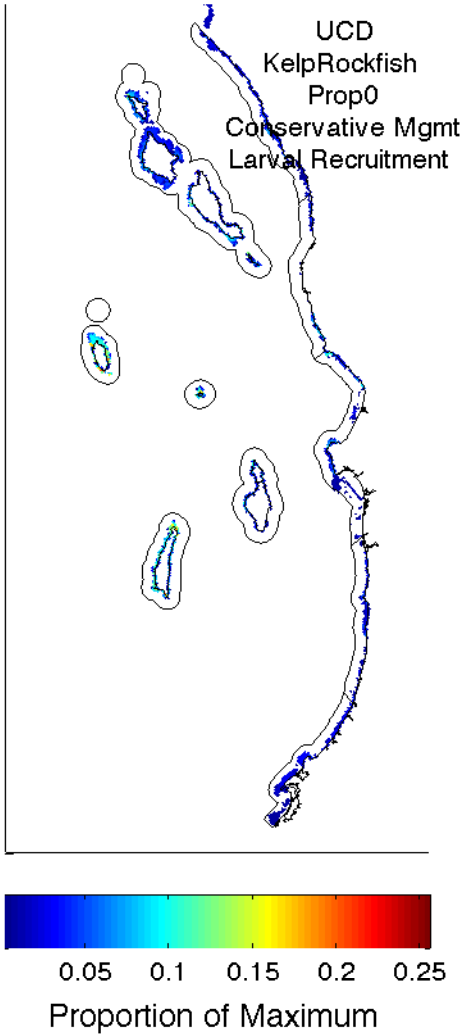


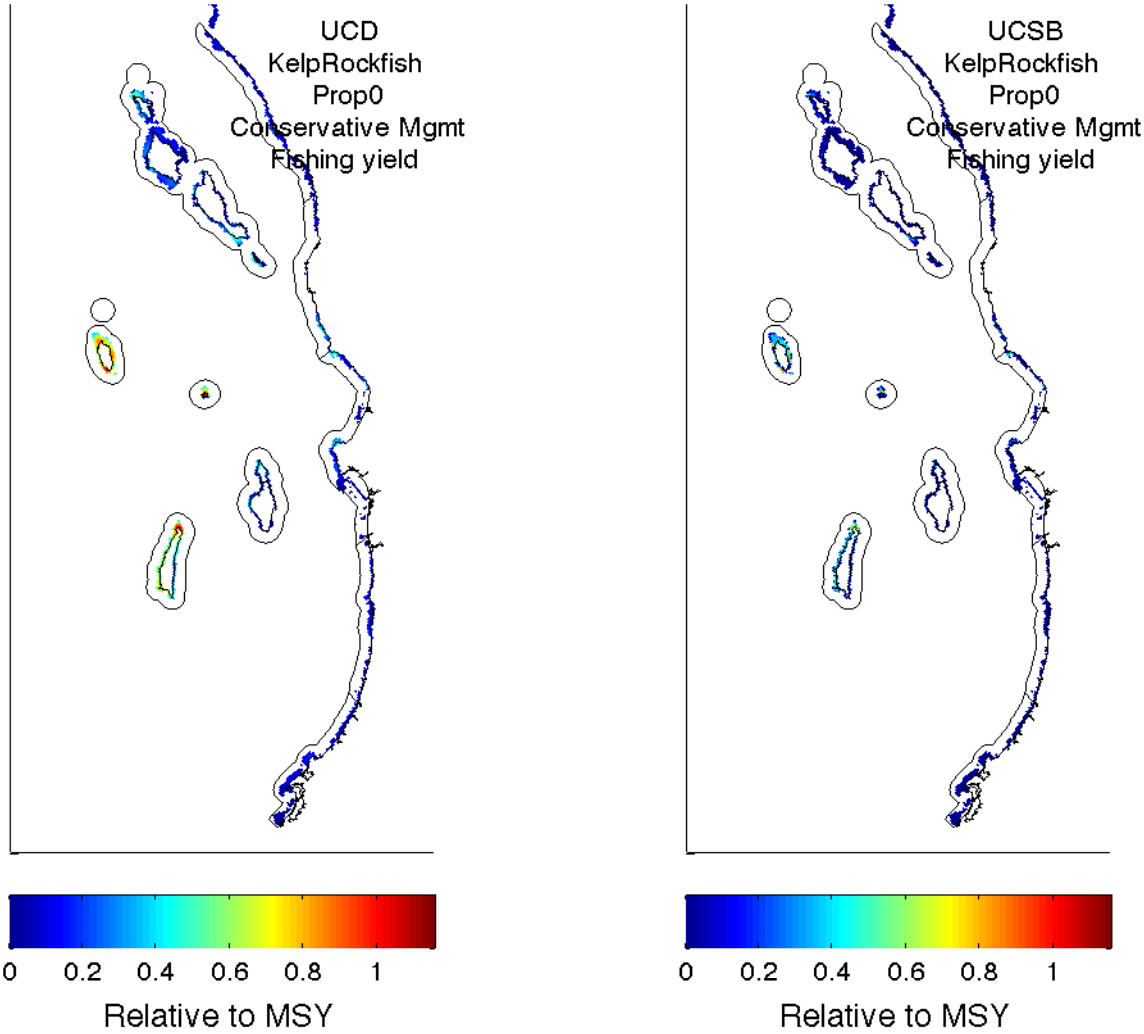


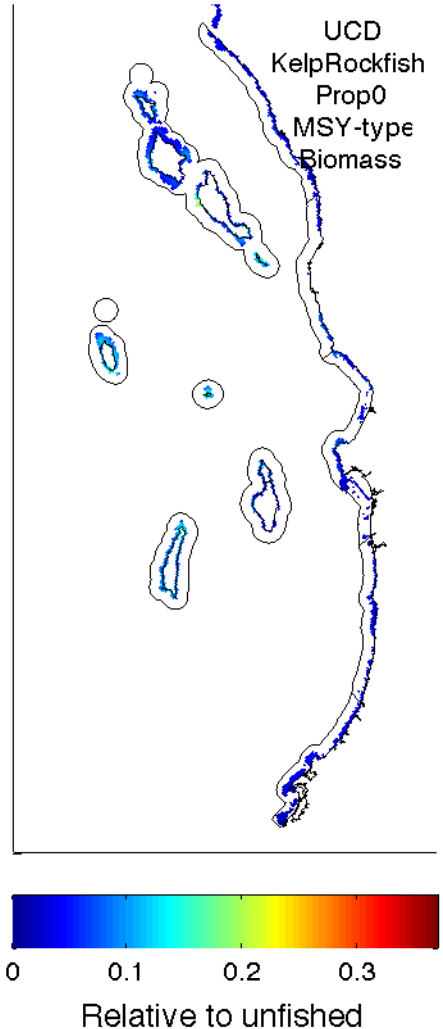
Relative to MSY maximum effort

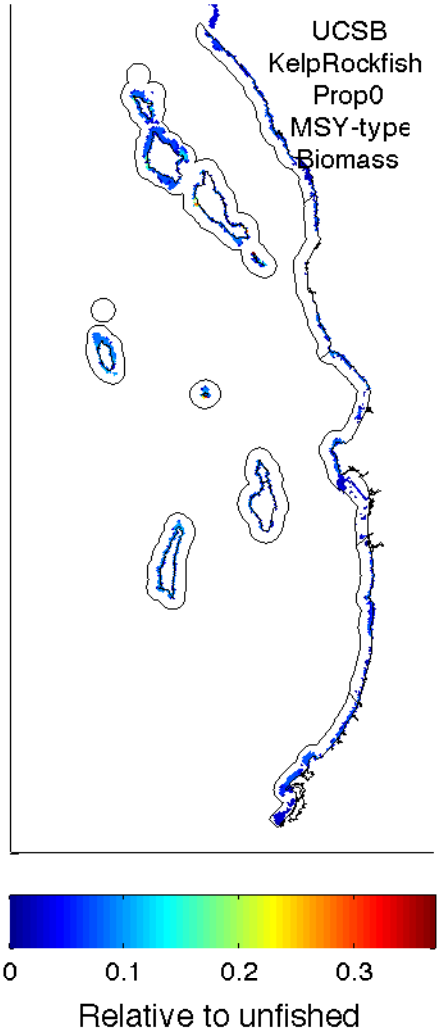


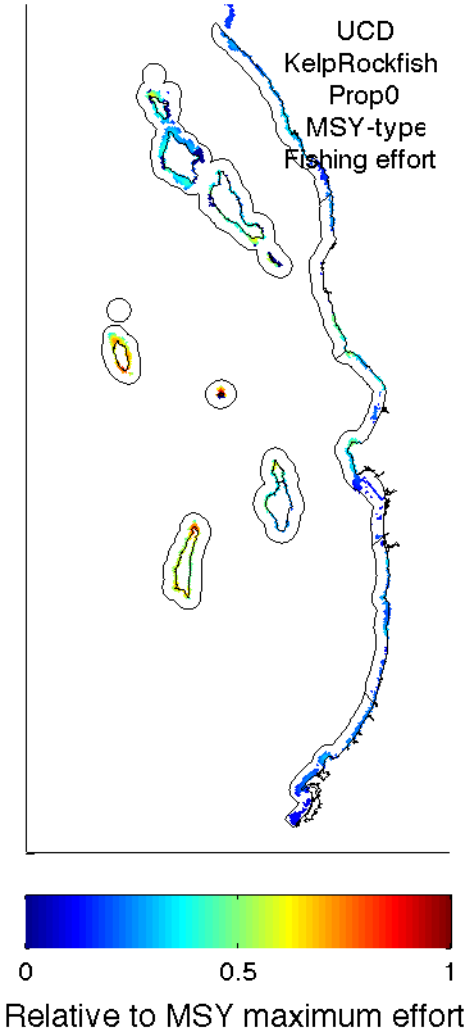
Relative to MSY maximum effort

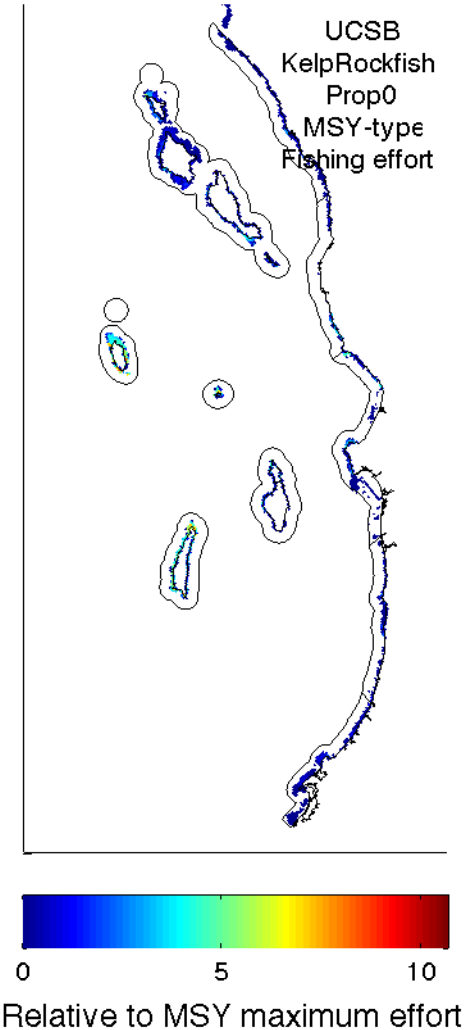

UCD
KelpRockfish
Prop0
Conservative Mgmt
Larval Recruitment
0.05
0.1
0.15
0.2
0.25
Proportion of Maximum

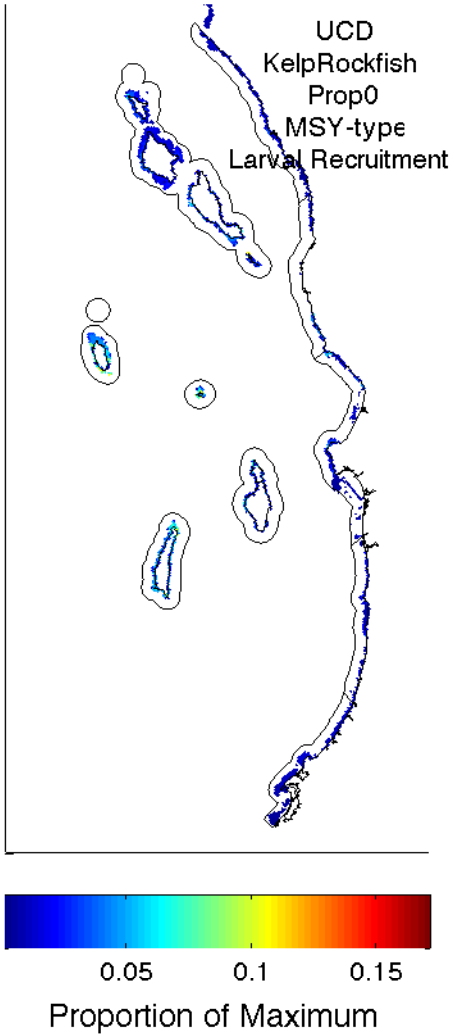

UCD
KelpRockfish
Prop0
Conservative Mgmt
Fishing yield
0
0.2
0.4
0.6
0.8
1
Relative to MSY
UCSB
KelpRockfish
Prop0
Conservative Mgmt
Fishing yield
0
0.2
0.4
0.6
0.8
1
Relative to MSY

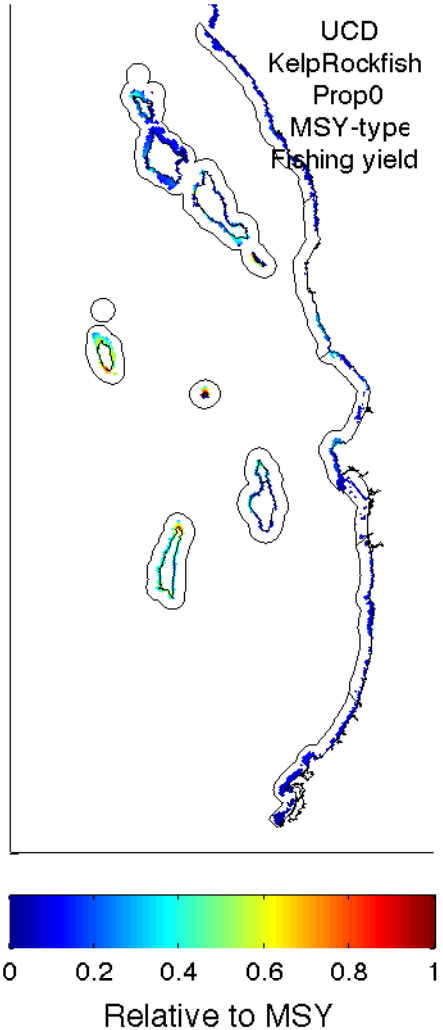

UCD
KelpRockfish
Prop0
MSY-type
Biomass
0
0.1
0.2
0.3
Relative to unfished

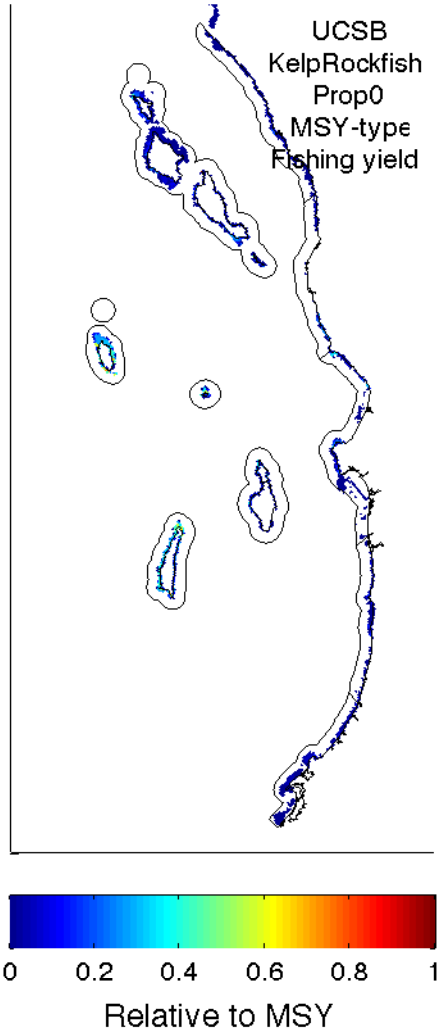

UCSB
KelpRockfish
Prop0
MSY-type
Biomass
0
0.1
0.2
0.3
Relative to unfished

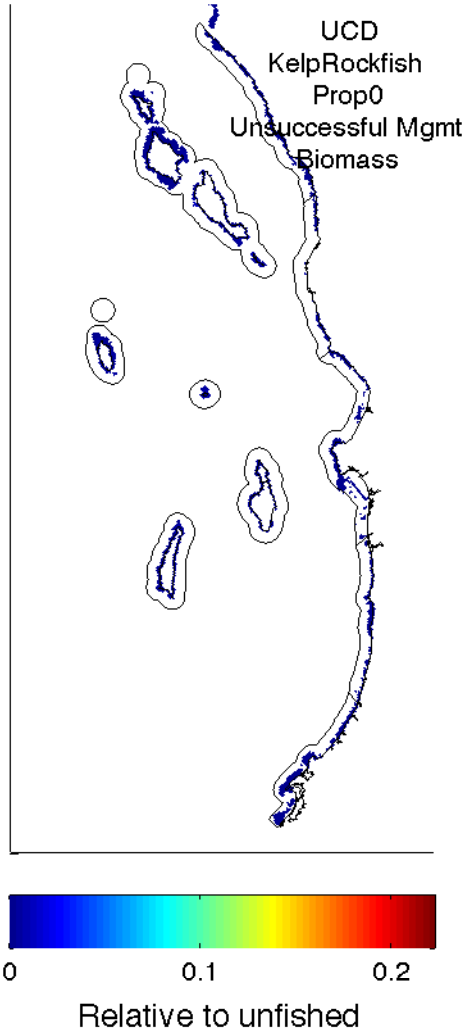

UCD
KelpRockfish
Prop0
MSY-type
Fishing effort
0
0.5
1
Relative to MSY maximum effort

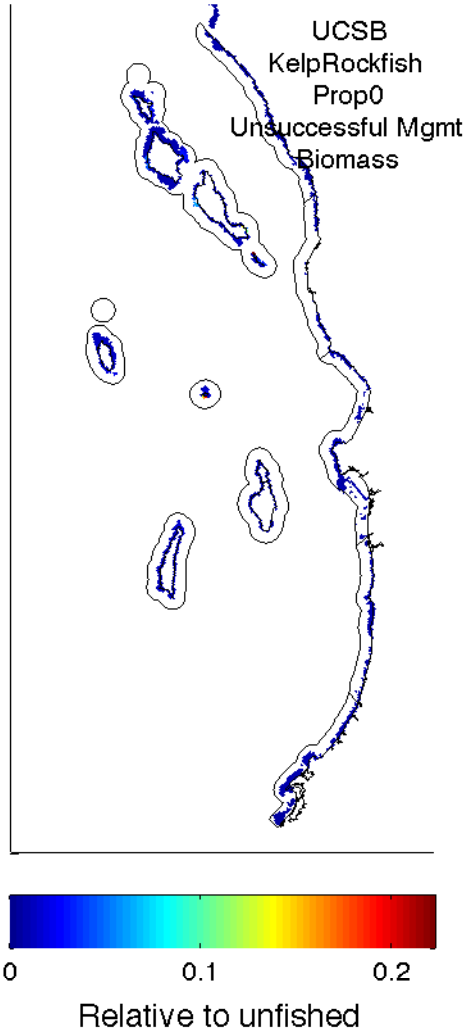

UCSB
KelpRockfish
Prop0
MSY-type
Fishing effort
0
5
10
Relative to MSY maximum effort

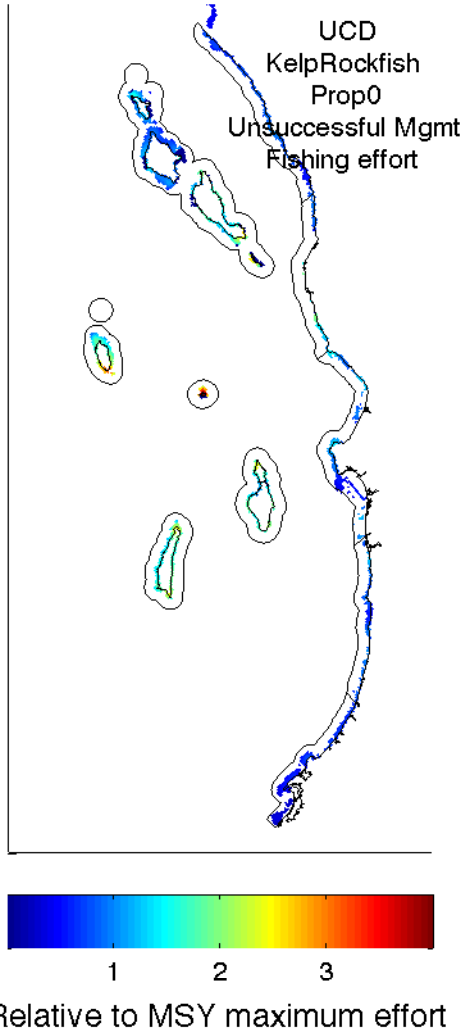

UCD
KelpRockfish
Prop0
MSY-type
Larval Recruitment
0.05
0.1
0.15
Proportion of Maximum

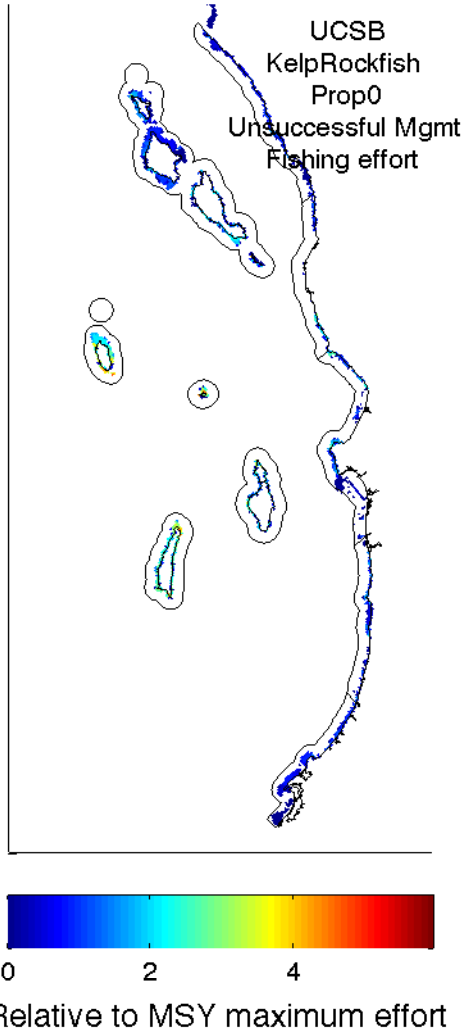

UCD
KelpRockfish
Prop0
MSY-type
Fishing yield
0
0.2
0.4
0.6
0.8
1
Relative to MSY

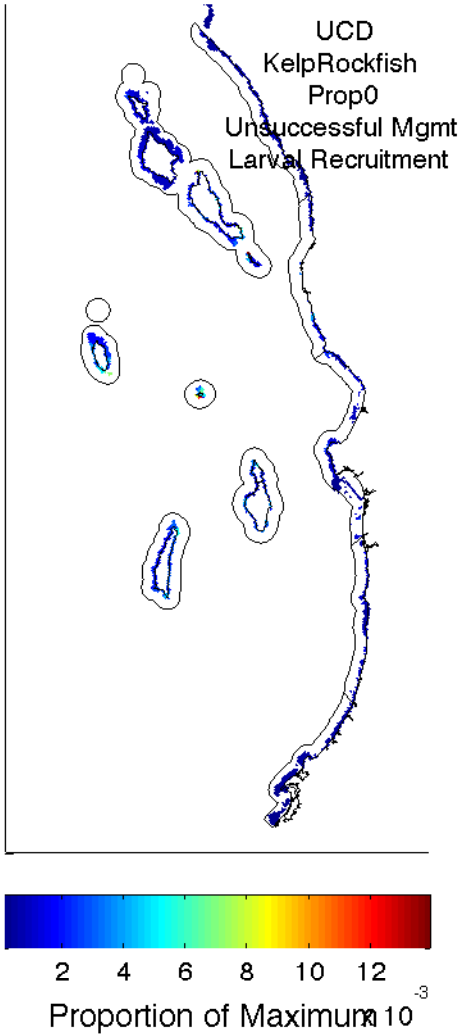

UCSB
KelpRockfish
Prop0
MSY-type
Fishing yield
0
0.2
0.4
0.6
0.8
1
Relative to MSY

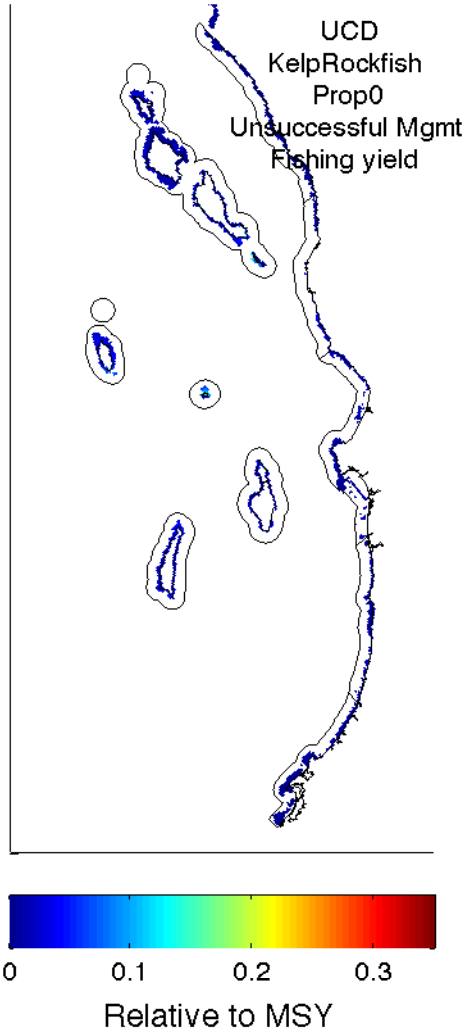

UCD
KelpRockfish
Prop0
Unsuccessful Mgmt
Biomass
0
0.1
0.2
Relative to unfished

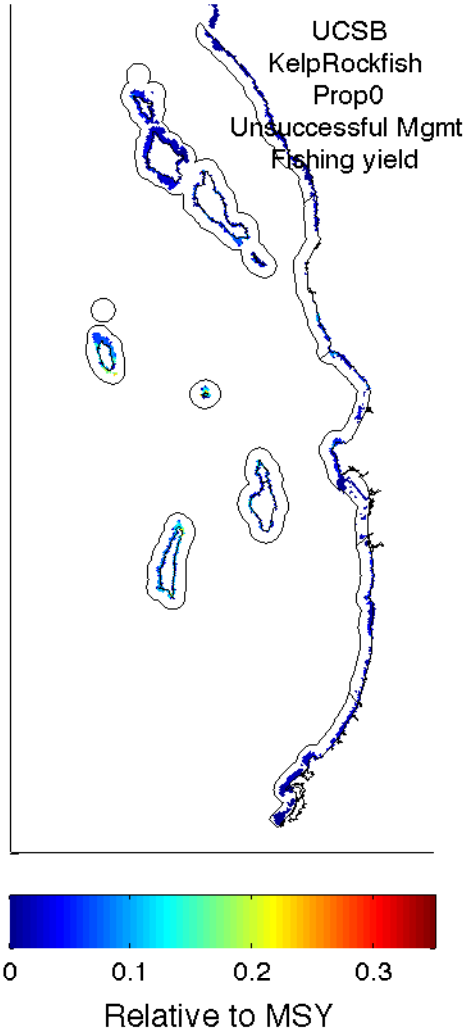

UCSB
KelpRockfish
Prop0
Unsuccessful Mgmt
Biomass
0
0.1
0.2
Relative to unfished

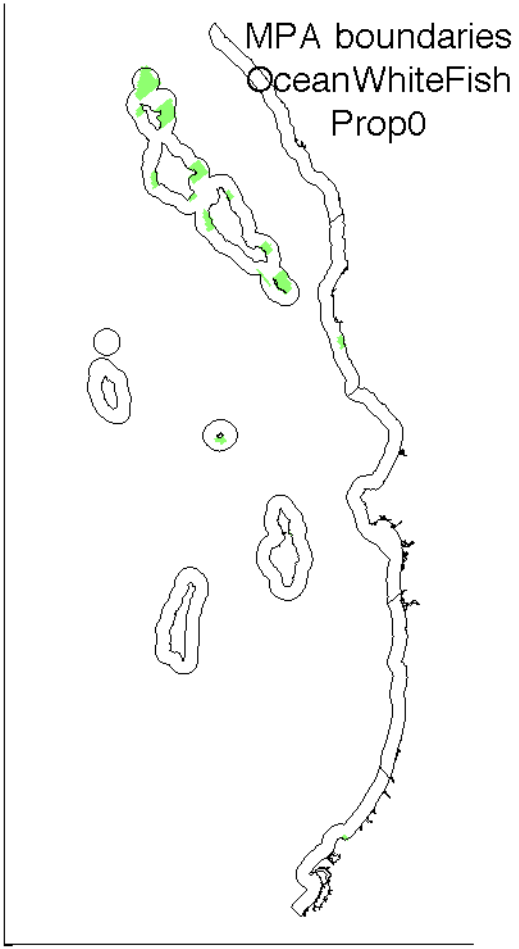

UCD
KelpRockfish
Prop0
Unsuccessful Mgmt
Fishing effort
1
2
3
Relative to MSY maximum effort

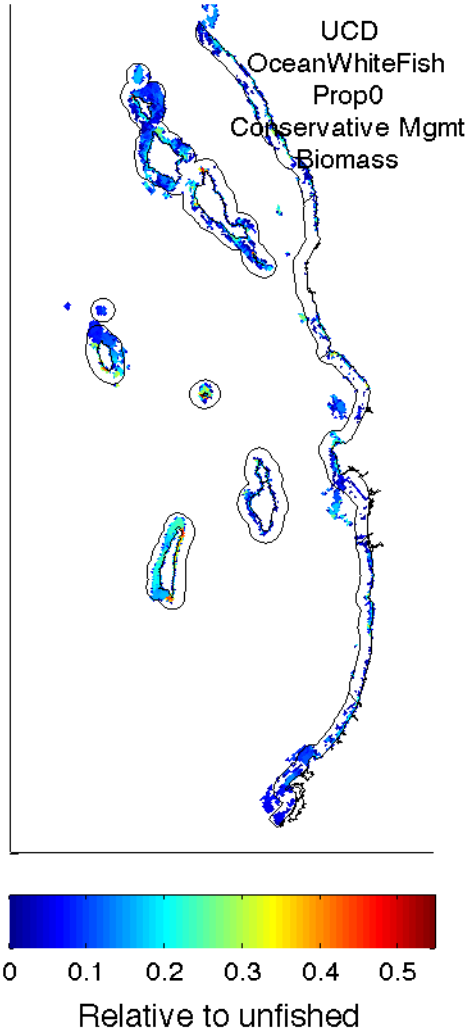

UCSB
KelpRockfish
Prop0
Unsuccessful Mgmt
Fishing effort
0
2
4
Relative to MSY maximum effort

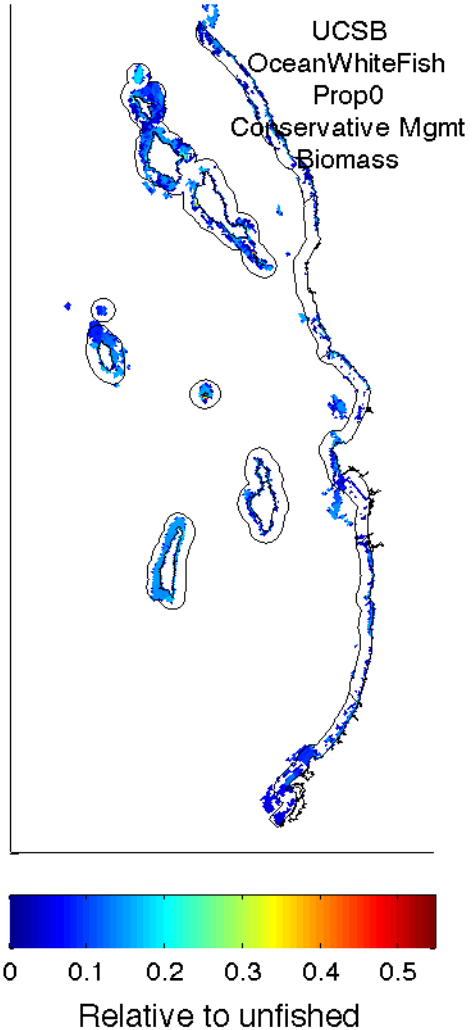

UCD
KelpRockfish
Prop0
Unsuccessful Mgmt
Larval Recruitment
2
4
6
8
10
12
Proportion of Maximum
x 10^-3

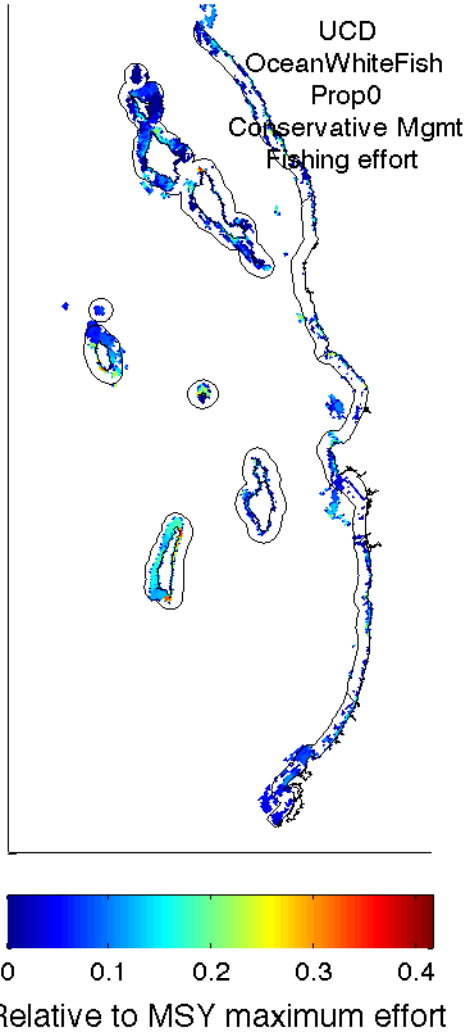

UCD
KelpRockfish
Prop0
Unsuccessful Mgmt
Fishing yield
0
0.1
0.2
0.3
Relative to MSY

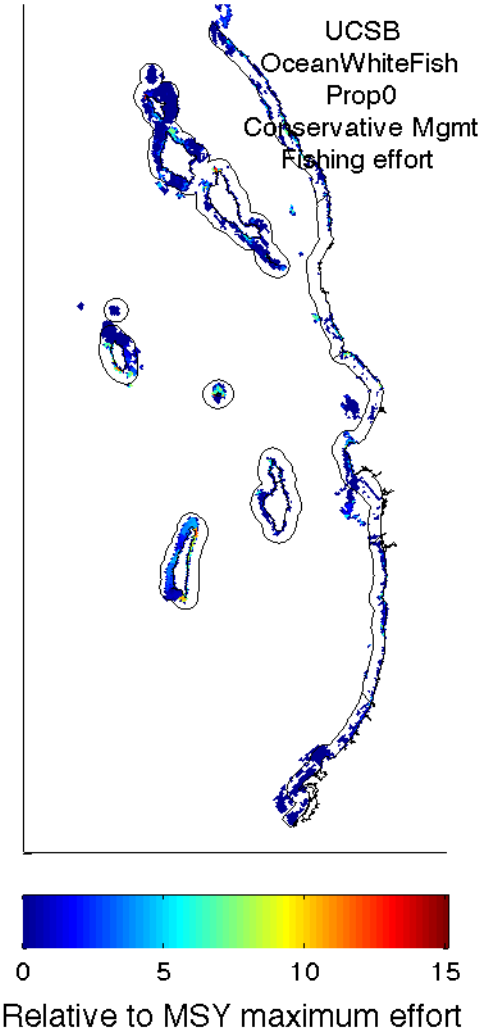

UCSB
KelpRockfish
Prop0
Unsuccessful Mgmt
Fishing yield
0
0.1
0.2
0.3
Relative to MSY

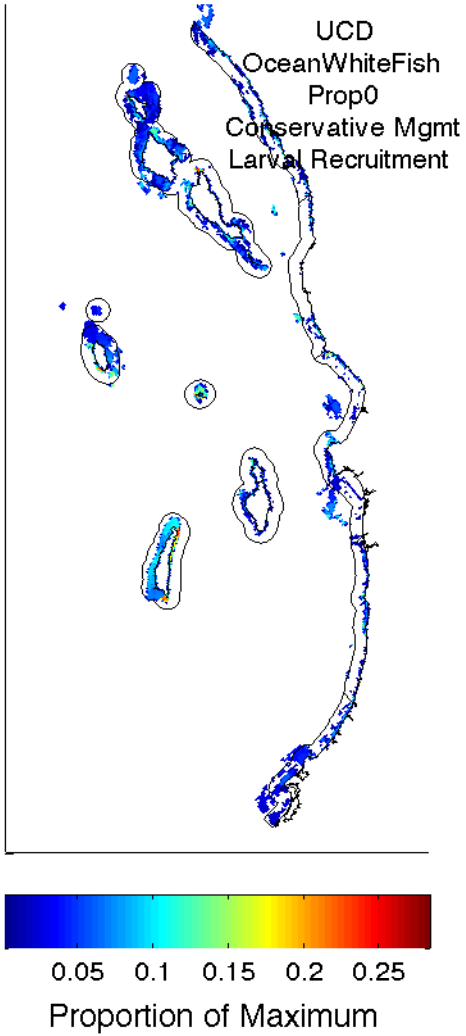

MPA boundaries
OceanWhiteFish
Prop0

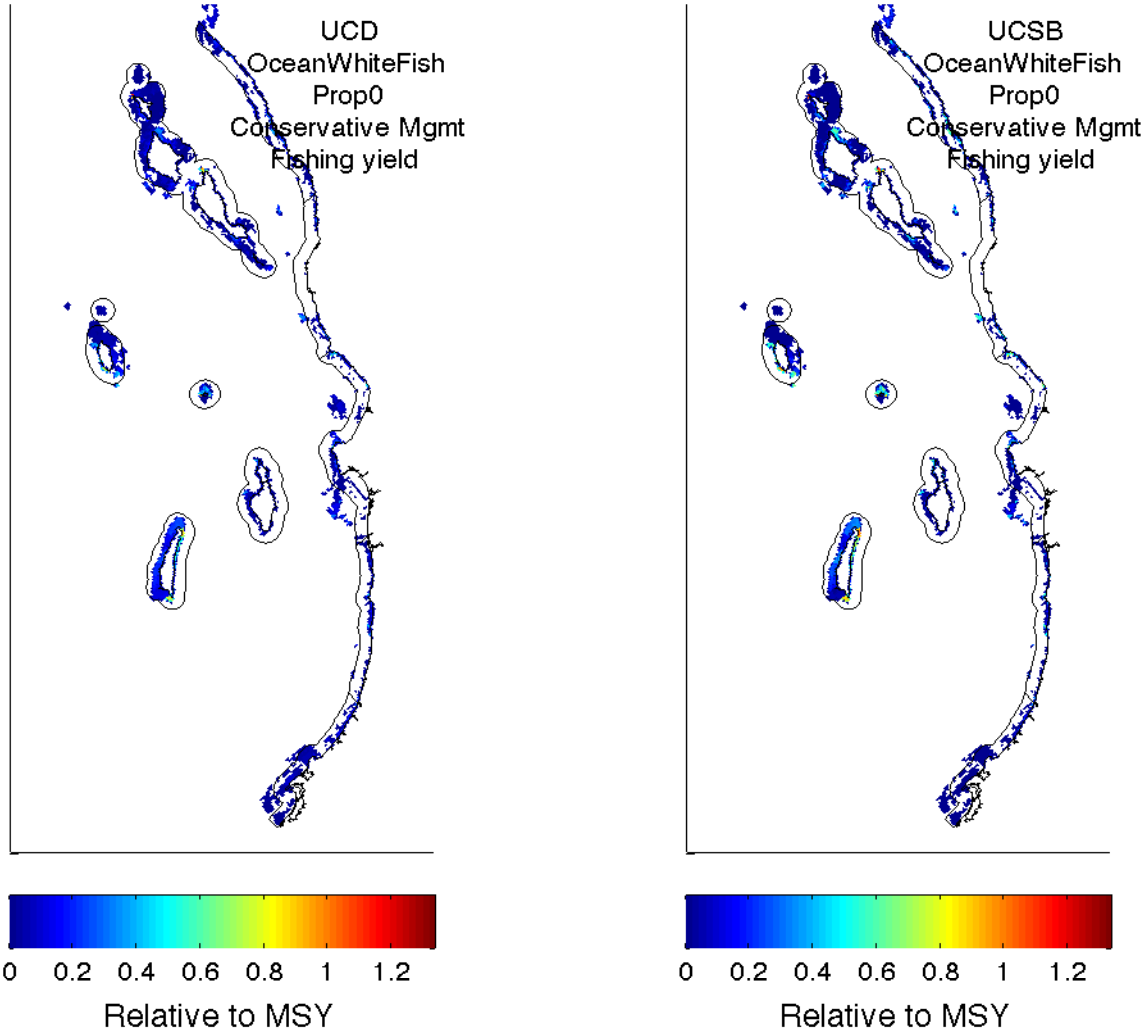

UCD
OceanWhiteFish
Prop0
Conservative Mgmt
Biomass
0
0.1
0.2
0.3
0.4
0.5
Relative to unfished

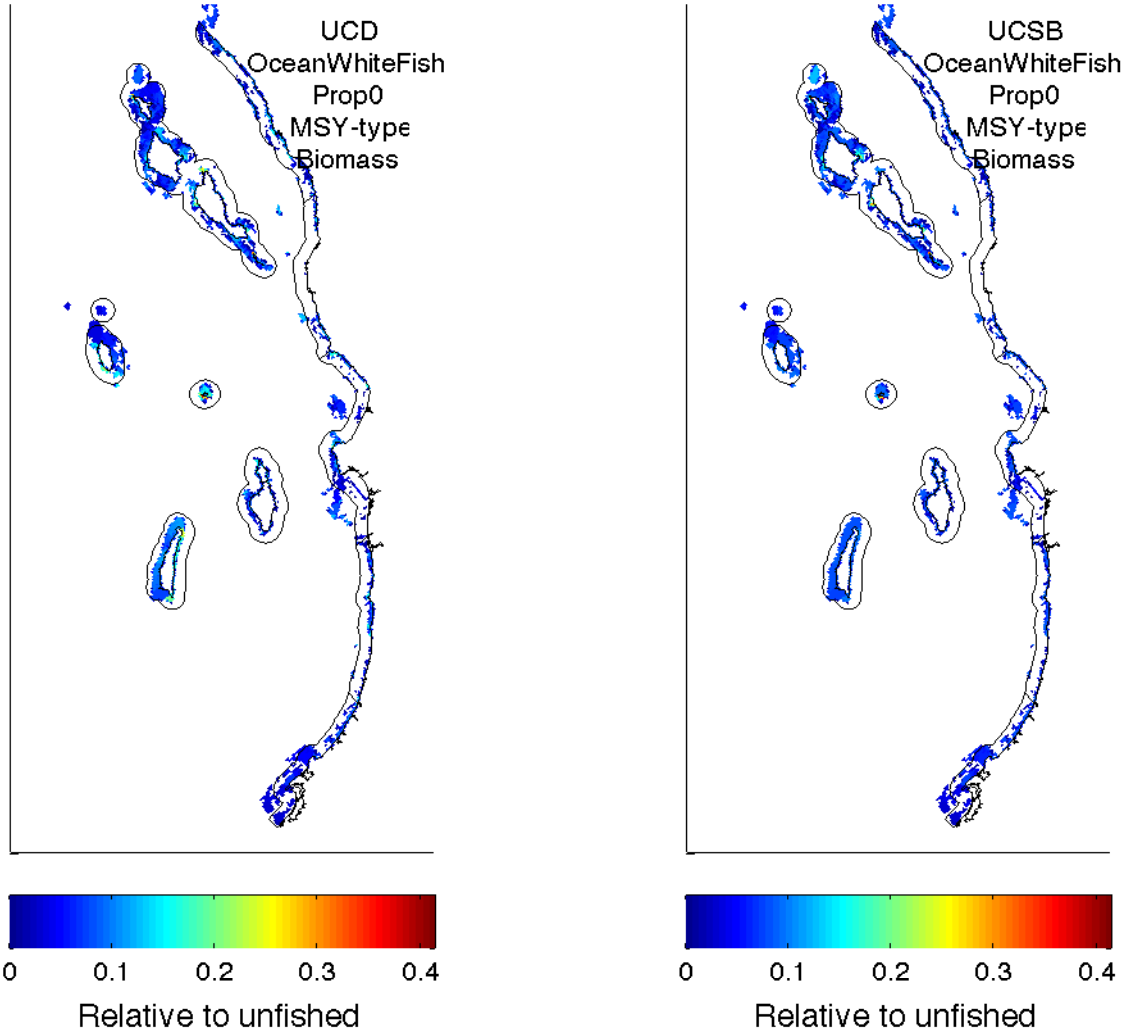

UCSB
OceanWhiteFish
Prop0
Conservative Mgmt
Biomass
0
0.1
0.2
0.3
0.4
0.5
Relative to unfished

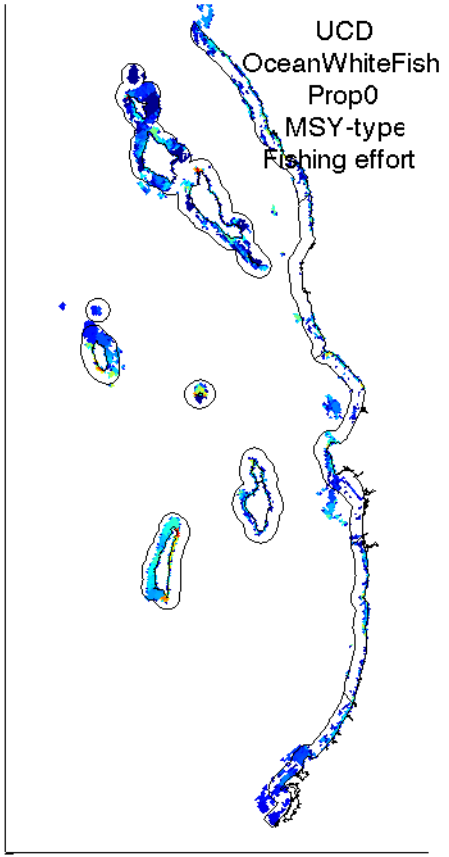

UCD
OceanWhiteFish
Prop0
Conservative Mgmt
Fishing effort
0
0.1
0.2
0.3
0.4
Relative to MSY maximum effort

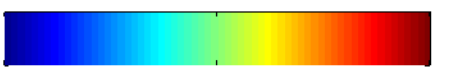

UCSB
OceanWhiteFish
Prop0
Conservative Mgmt
Fishing effort
0
5
10
15
Relative to MSY maximum effort


UCD
OceanWhiteFish
Prop0
Conservative Mgmt
Larval Recruitment
0.05
0.1
0.15
0.2
0.25
Proportion of Maximum

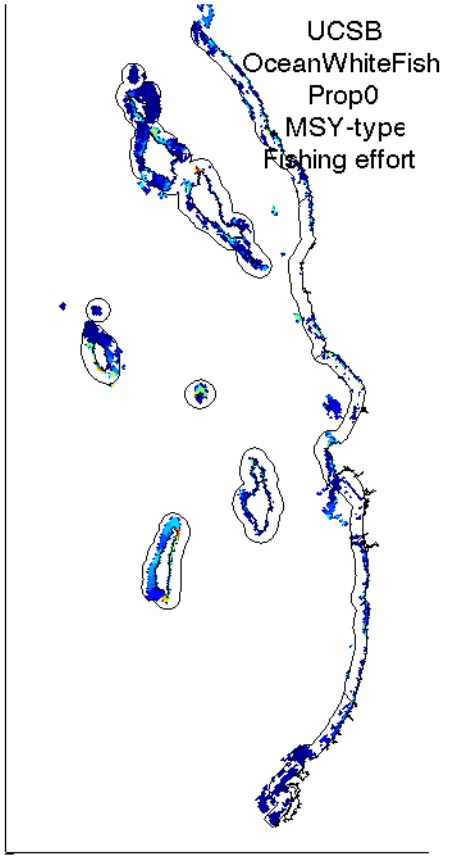

UCD
OceanWhiteFish
Prop0
Conservative Mgmt
Fishing yield
0 0.2 0.4 0.6 0.8 1 1.2
Relative to MSY
UCSB
OceanWhiteFish
Prop0
Conservative Mgmt
Fishing yield
0 0.2 0.4 0.6 0.8 1 1.2
Relative to MSY


UCD
OceanWhiteFish
Prop0
MSY-type
Biomass
0
0.1
0.2
0.3
0.4
Relative to unfished
UCSB
OceanWhiteFish
Prop0
MSY-type
Biomass
0
0.1
0.2
0.3
0.4
Relative to unfished

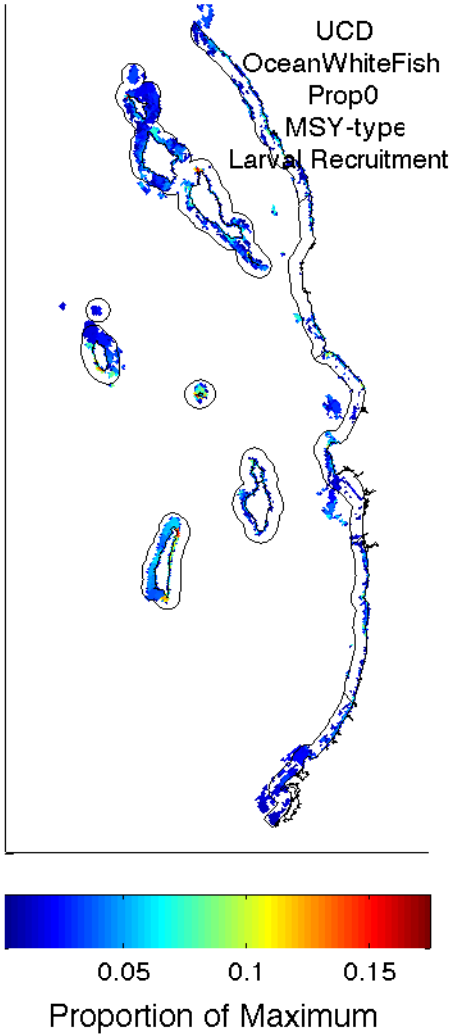


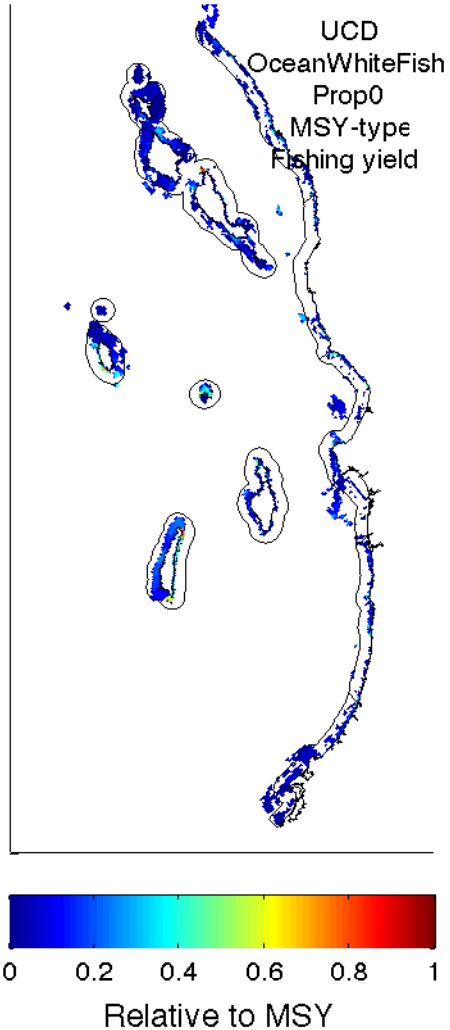


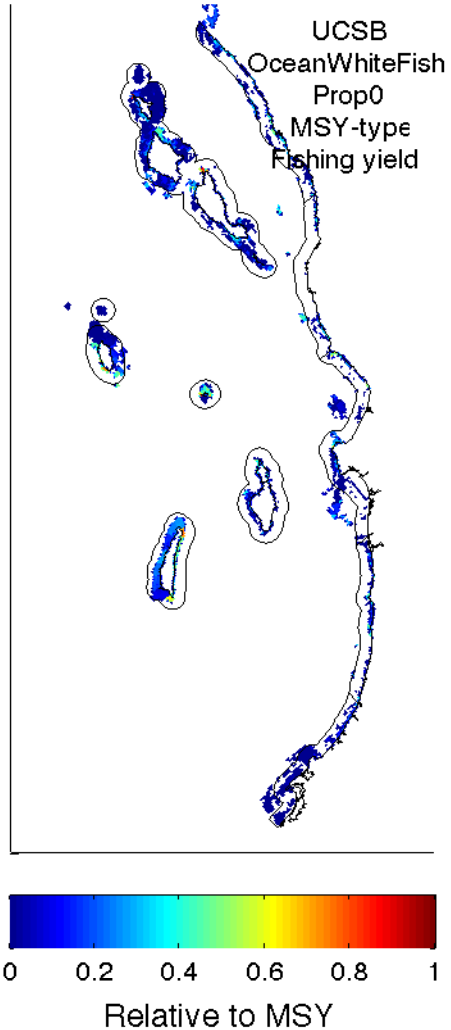
Relative to MSY maximum effort

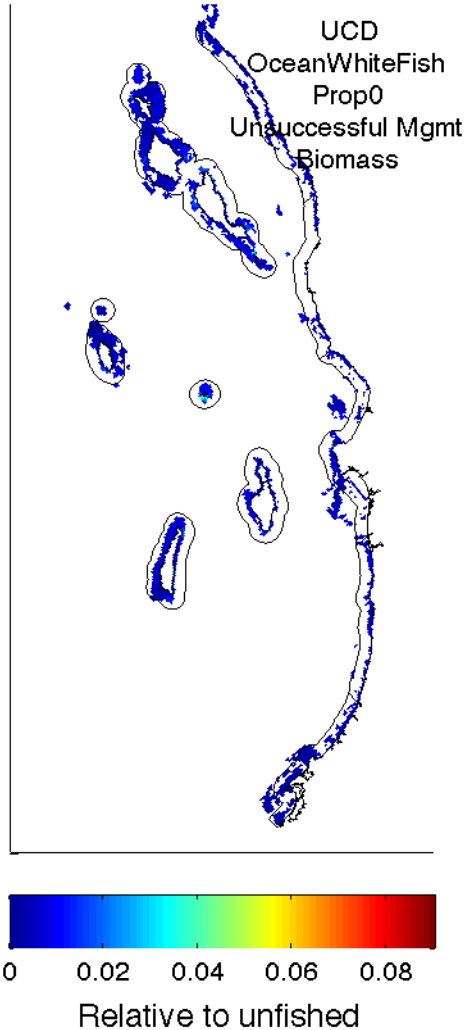


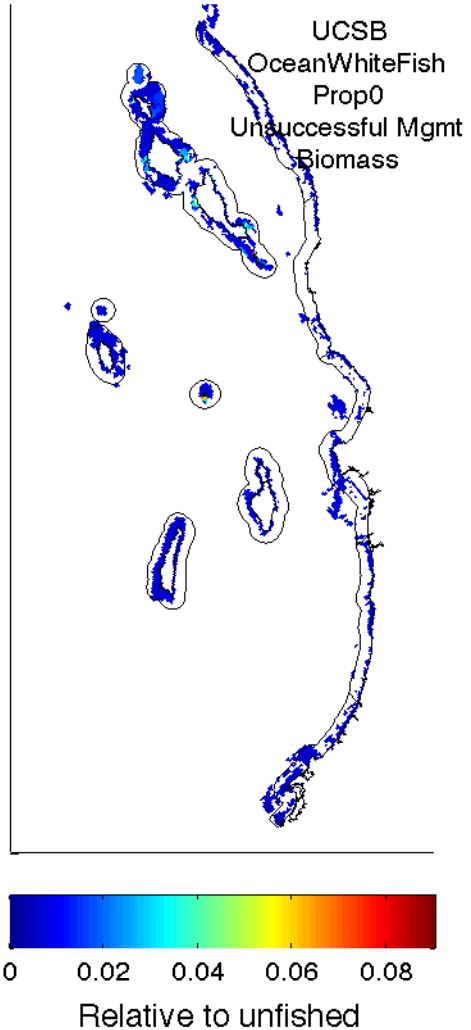
Relative to MSY maximum effort

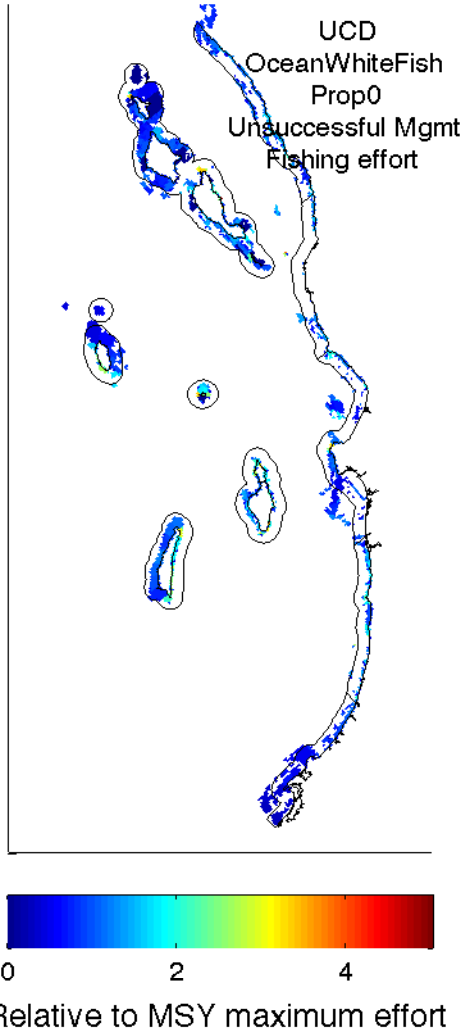

UCD
OceanWhiteFish
Prop0
MSY-type
Larval Recruitment
0.05
0.1
0.15
Proportion of Maximum

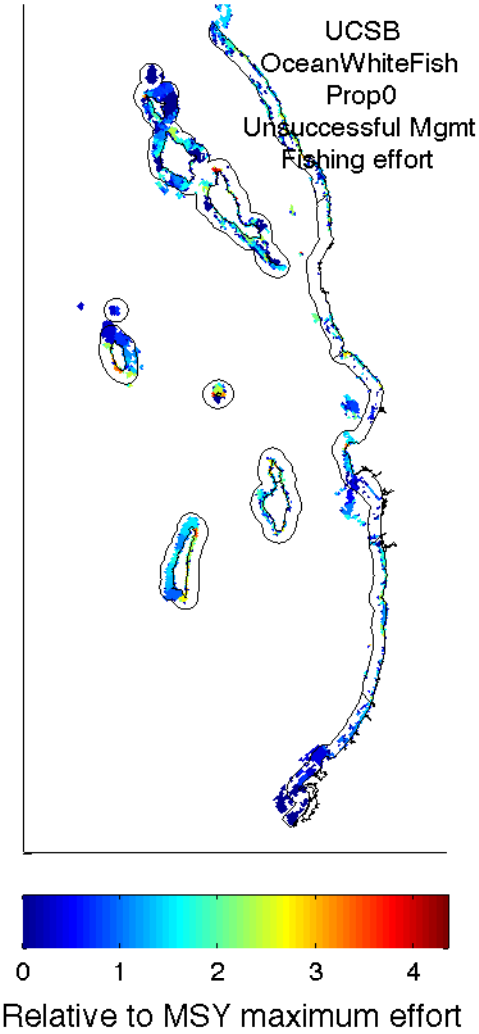

UCD
OceanWhiteFish
Prop0
MSY-type
Fishing yield
0
0.2
0.4
0.6
0.8
1
Relative to MSY

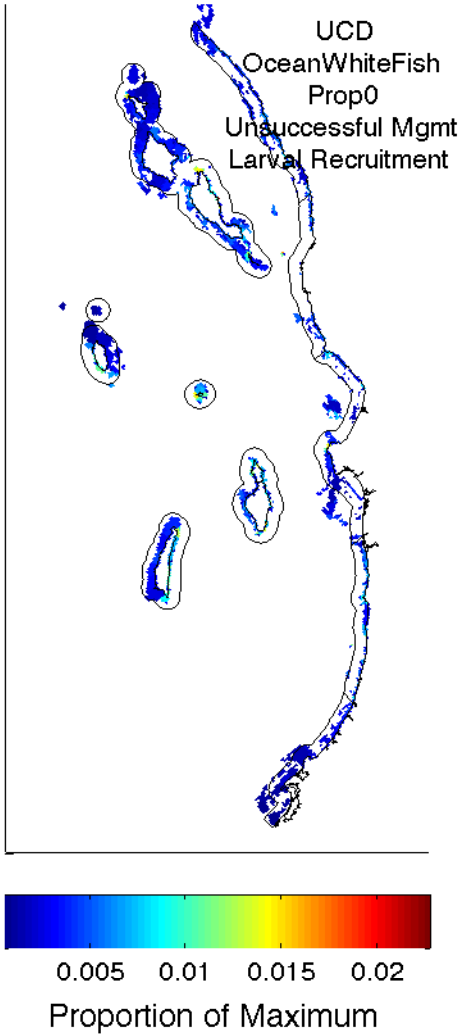

UCSB
OceanWhiteFish
Prop0
MSY-type
Fishing yield
0
0.2
0.4
0.6
0.8
1
Relative to MSY

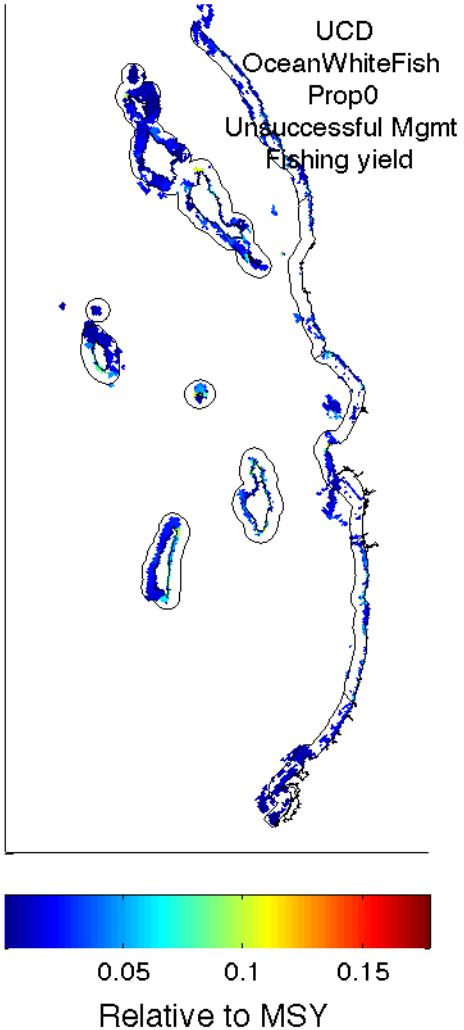

UCD
OceanWhiteFish
Prop0
Unsuccessful Mgmt
Biomass
0
0.02
0.04
0.06
0.08
Relative to unfished

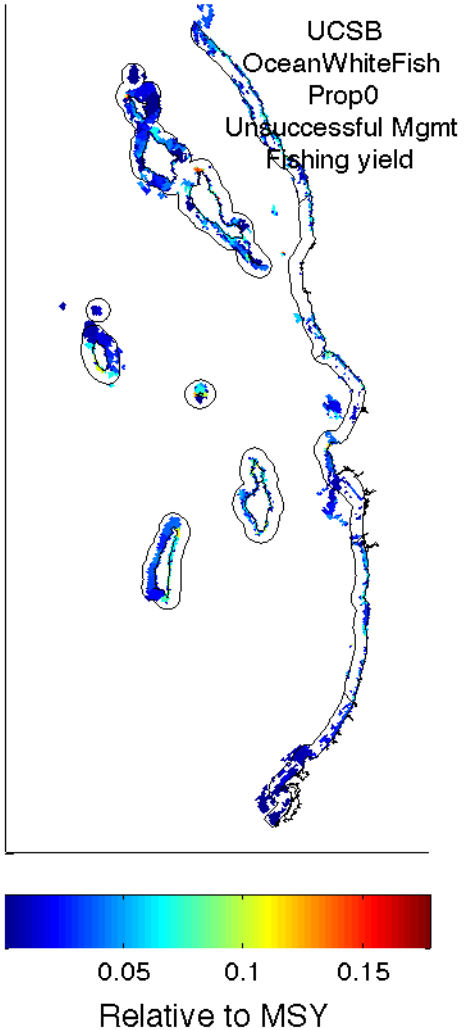

UCSB
OceanWhiteFish
Prop0
Unsuccessful Mgmt
Biomass
0
0.02
0.04
0.06
0.08
Relative to unfished

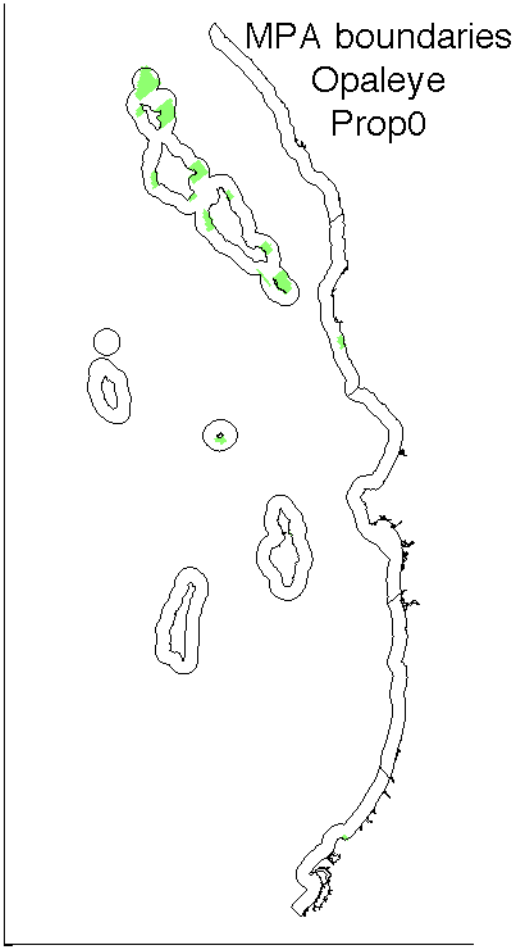

UCD
OceanWhiteFish
Prop0
Unsuccessful Mgmt
Fishing effort
0
2
4
Relative to MSY maximum effort

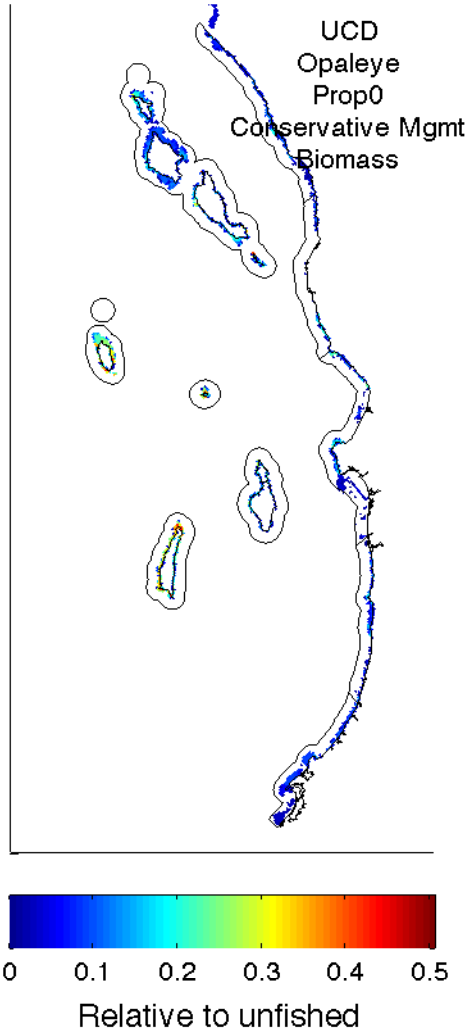

UCSB
OceanWhiteFish
Prop0
Unsuccessful Mgmt
Fishing effort
0
1
2
3
4
Relative to MSY maximum effort

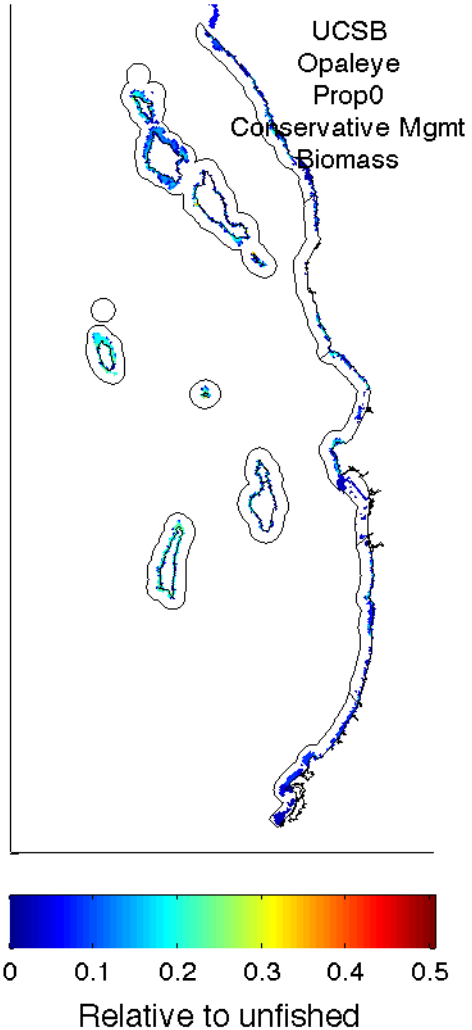

UCD
OceanWhiteFish
Prop0
Unsuccessful Mgmt
Larval Recruitment
0.005
0.01
0.015
0.02
Proportion of Maximum

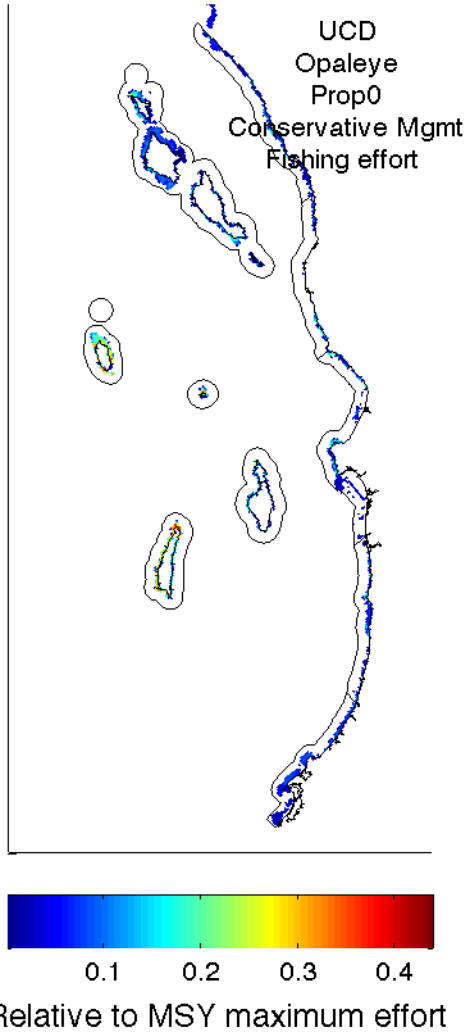

UCD
OceanWhiteFish
Prop0
Unsuccessful Mgmt
Fishing yield
0.05
0.1
0.15
Relative to MSY

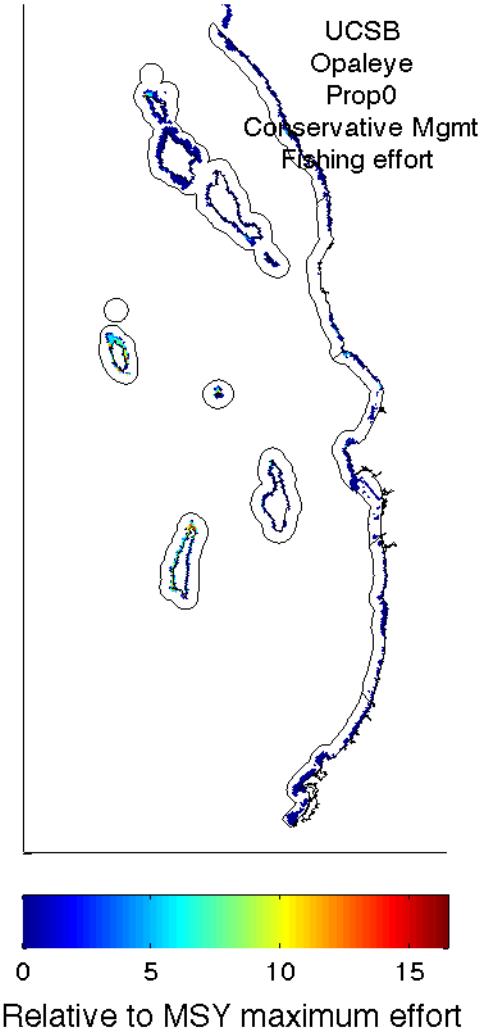

UCSB
OceanWhiteFish
Prop0
Unsuccessful Mgmt
Fishing yield
0.05
0.1
0.15
Relative to MSY

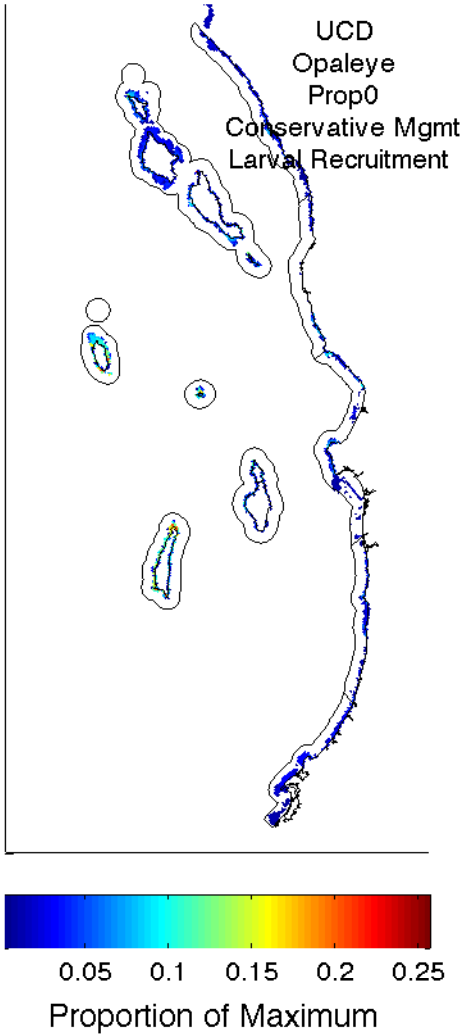

MPA boundaries
Opaleye
Prop0

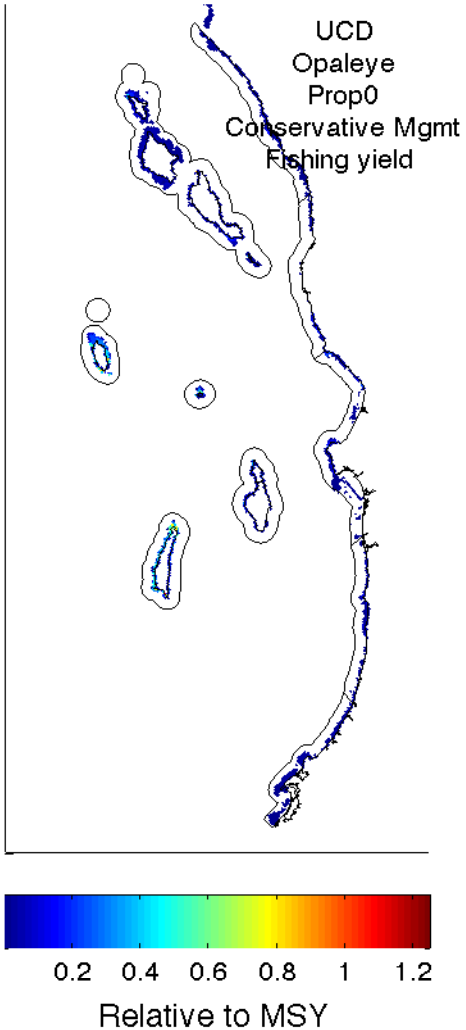

UCD
Opaleye
Prop0
Conservative Mgmt
Biomass
0
0.1
0.2
0.3
0.4
0.5
Relative to unfished

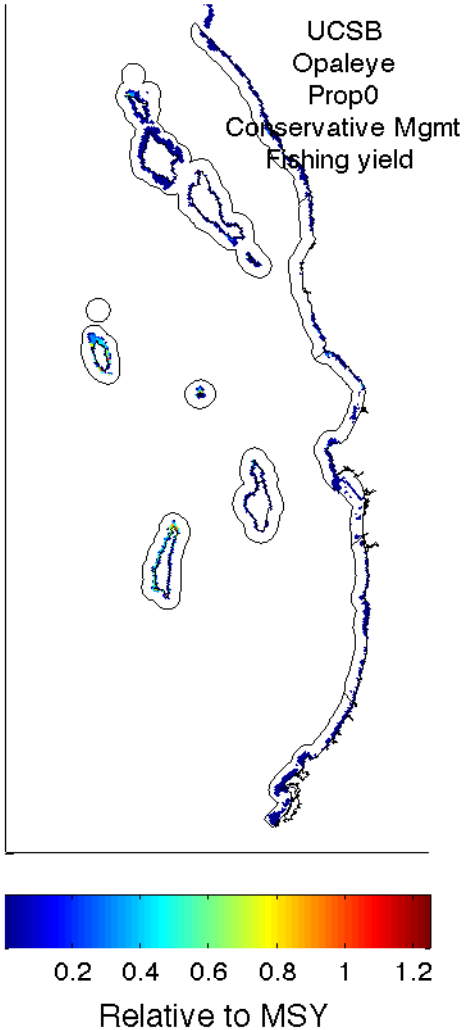

UCSB
Opaleye
Prop0
Conservative Mgmt
Biomass
0
0.1
0.2
0.3
0.4
0.5
Relative to unfished

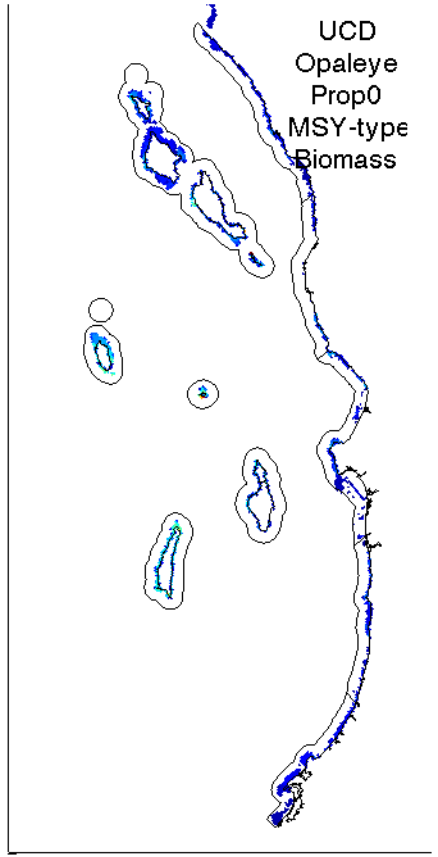

UCD
Opaleye
Prop0
Conservative Mgmt
Fishing effort
0.1
0.2
0.3
0.4
Relative to MSY maximum effort

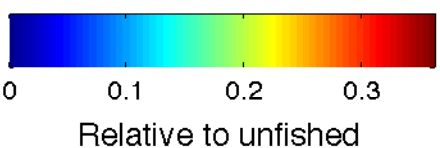

UCSB
Opaleye
Prop0
Conservative Mgmt
Fishing effort
0
5
10
15
Relative to MSY maximum effort

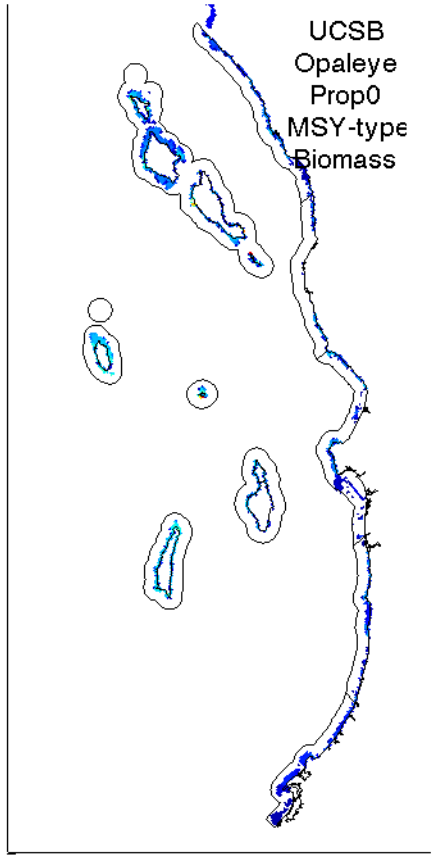

UCD
Opaleye
Prop0
Conservative Mgmt
Larval Recruitment
0.05
0.1
0.15
0.2
0.25
Proportion of Maximum

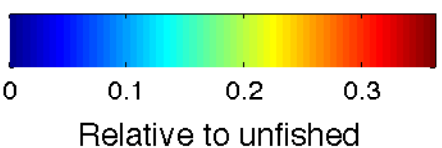

UCD
Opaleye
Prop0
Conservative Mgmt
Fishing yield
0.2
0.4
0.6
0.8
1
1.2
Relative to MSY

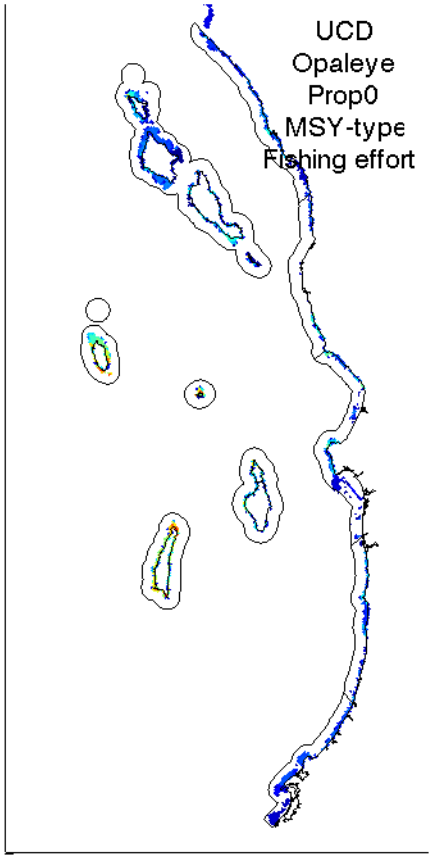

UCSB
Opaleye
Prop0
Conservative Mgmt
Fishing yield
0.2
0.4
0.6
0.8
1
1.2
Relative to MSY

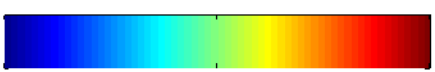

UCD
Opaleye
Prop0
MSY-type
Biomass


0
0.1
0.2
0.3
Relative to unfished

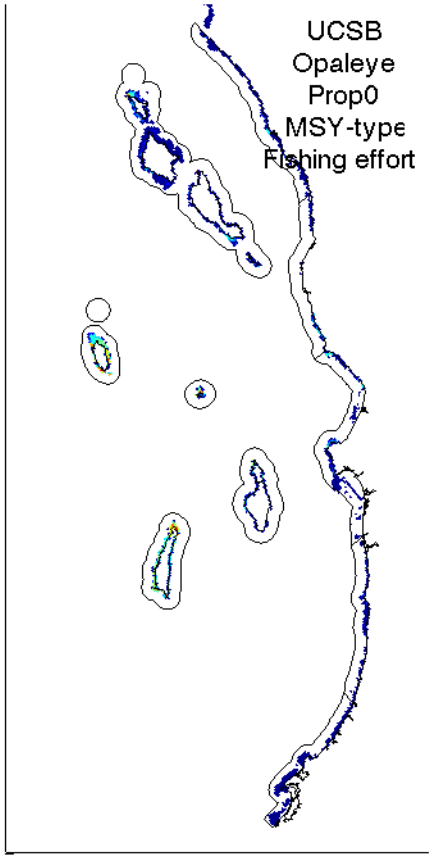

UCSB
Opaleye
Prop0
MSY-type
Biomass

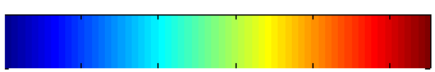

0
0.1
0.2
0.3
Relative to unfished



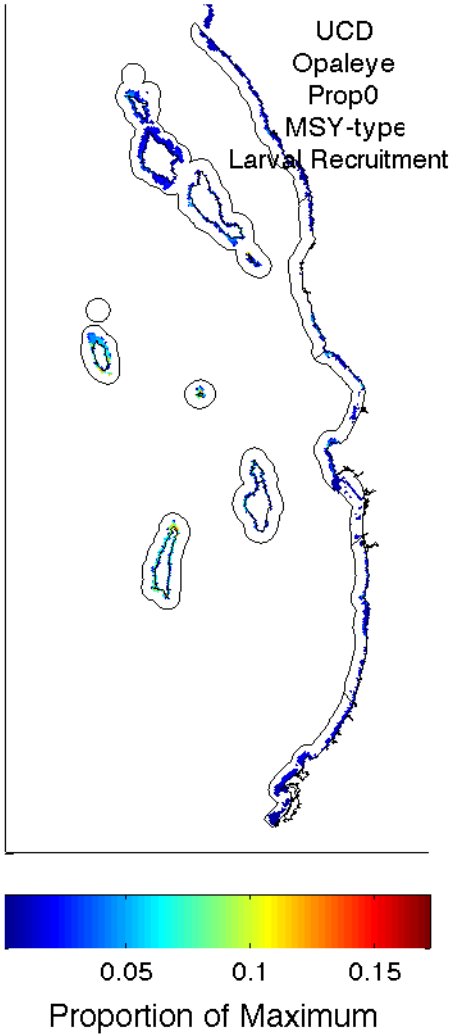


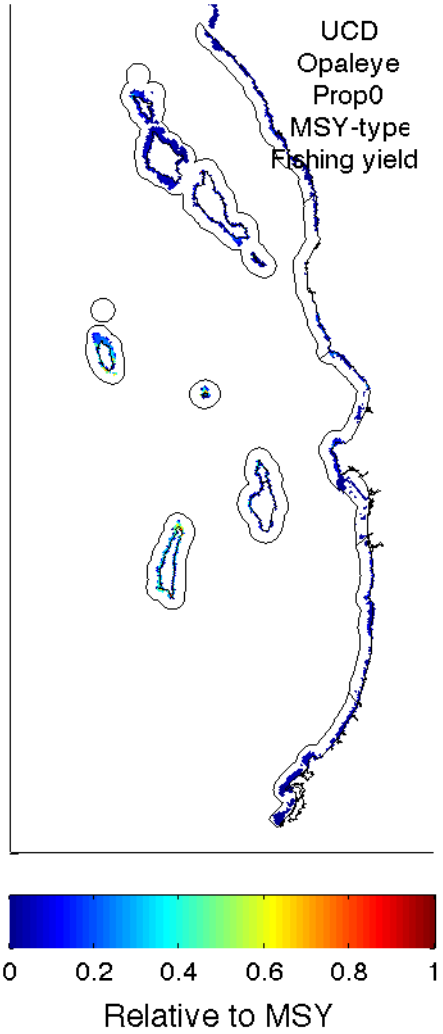
Relative to MSY maximum effort

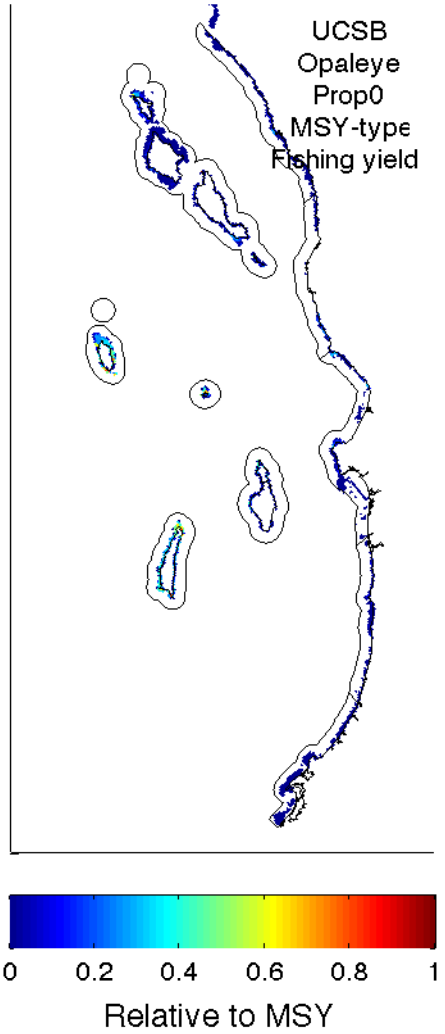


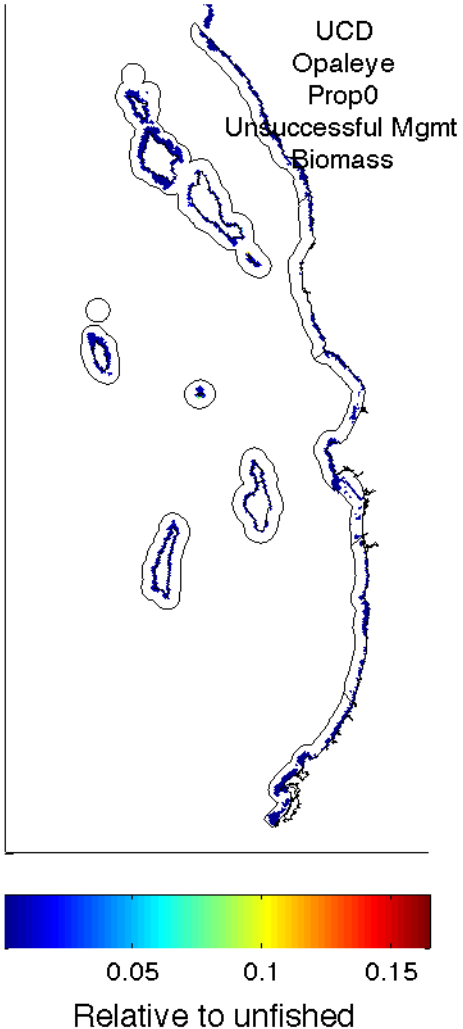


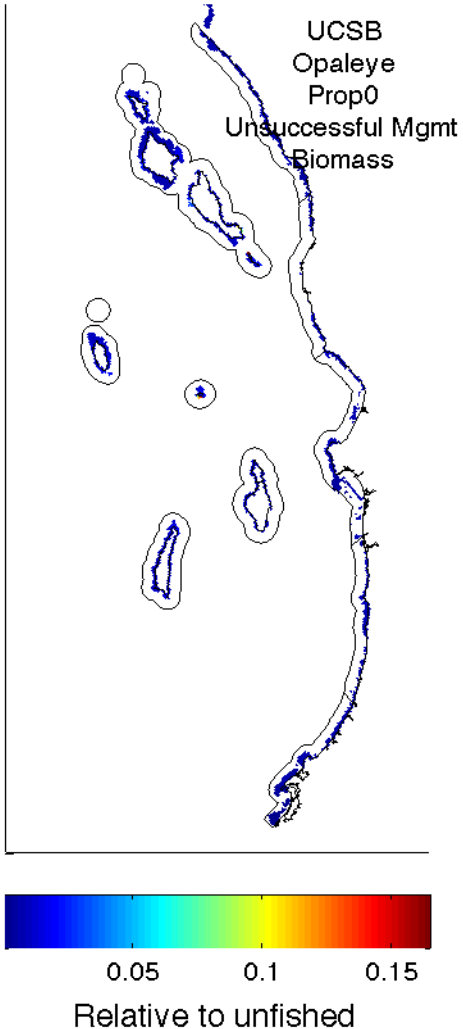
Relative to MSY maximum effort

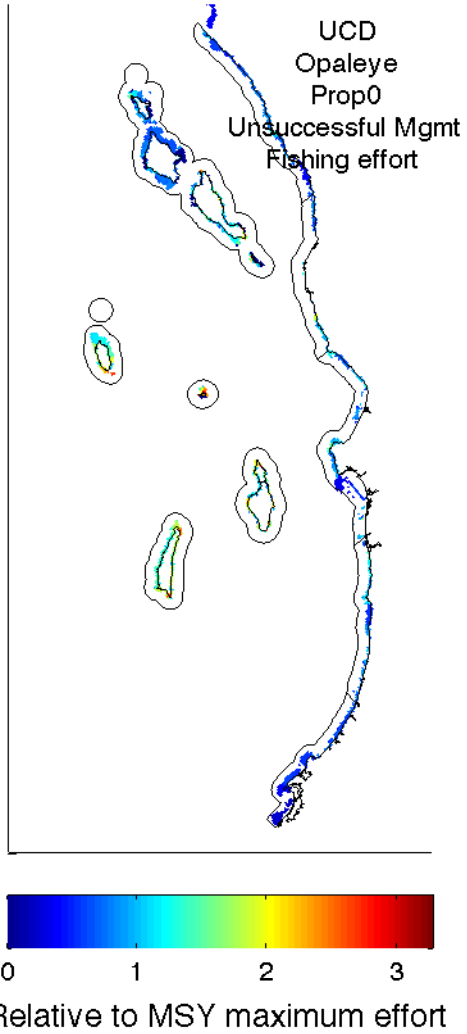

UCD
Opaleye
Prop0
MSY-type
Larval Recruitment
0.05
0.1
0.15
Proportion of Maximum

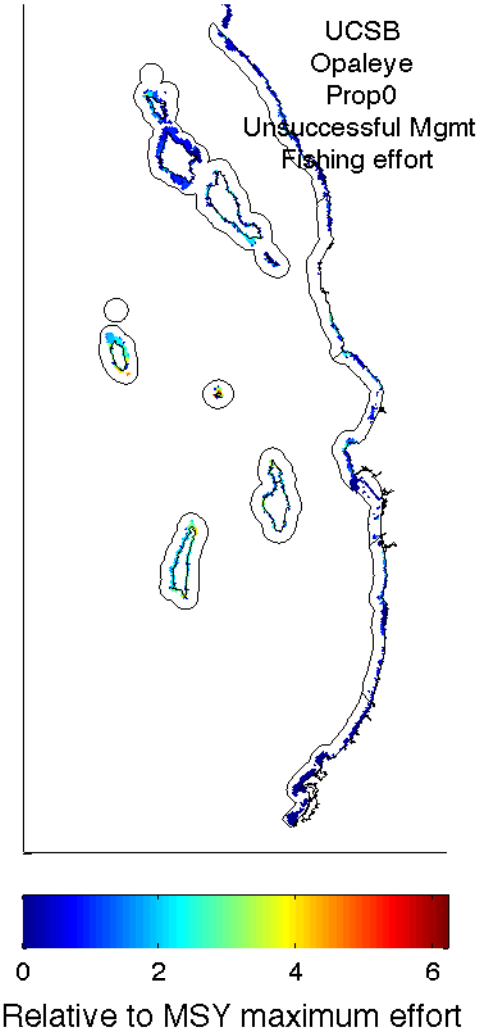

UCD
Opaleye
Prop0
MSY-type
Fishing yield
0
0.2
0.4
0.6
0.8
1
Relative to MSY

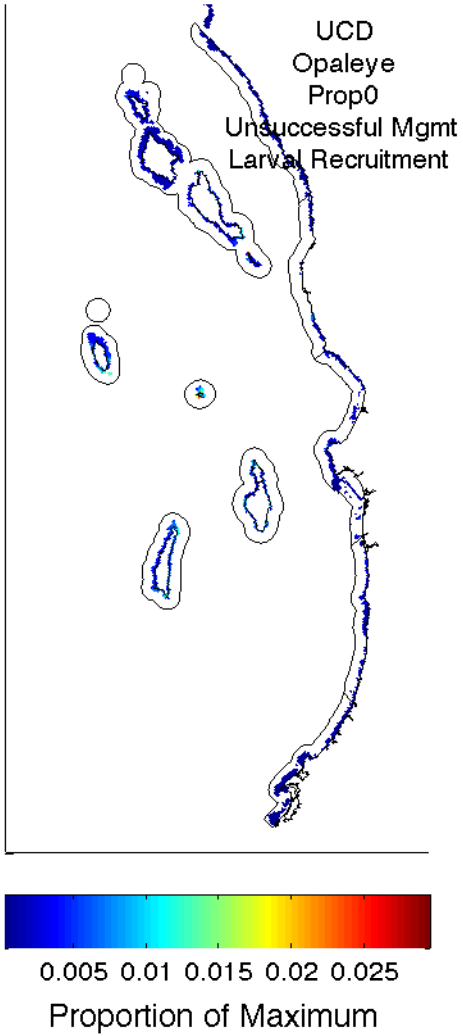

UCSB
Opaleye
Prop0
MSY-type
Fishing yield
0
0.2
0.4
0.6
0.8
1
Relative to MSY

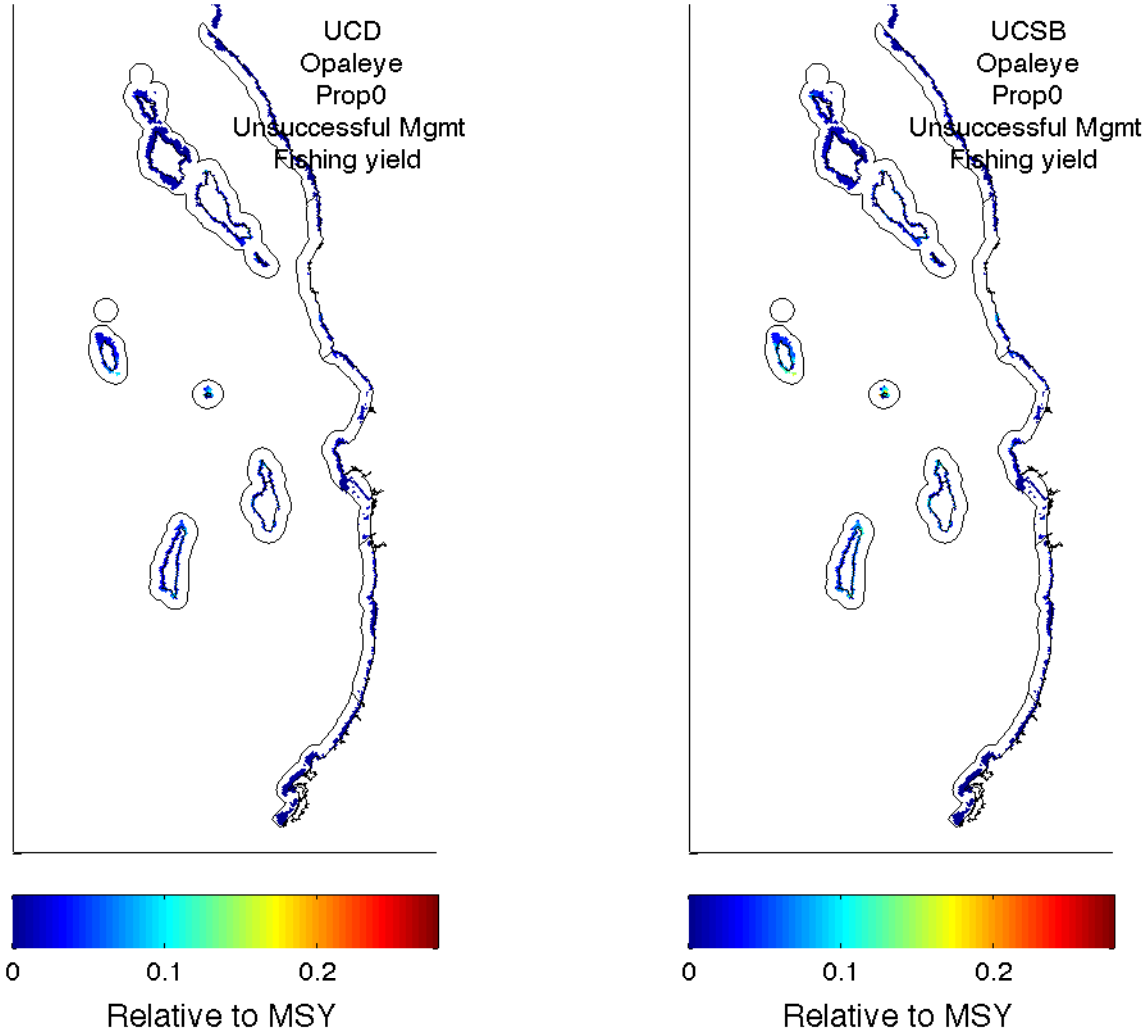

UCD
Opaleye
Prop0
Unsuccessful Mgmt
Biomass
0.05
0.1
0.15
Relative to unfished

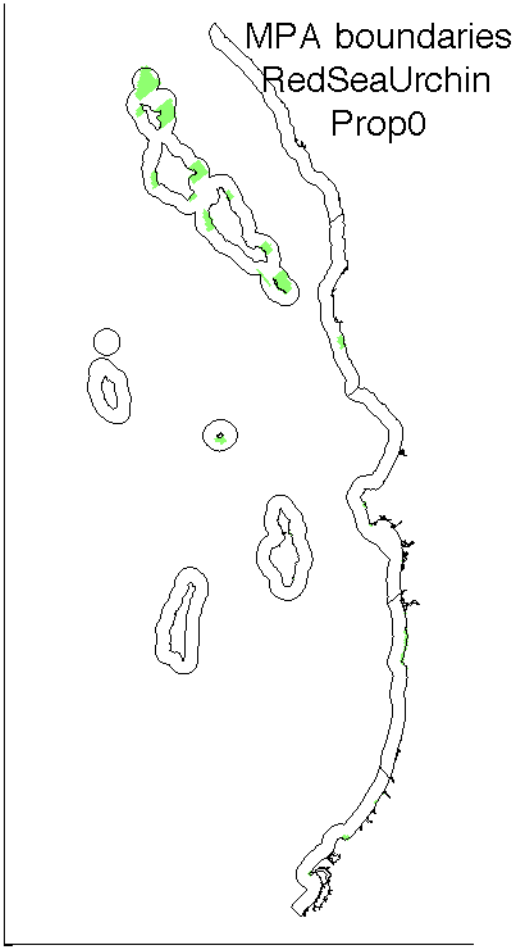

UCSB
Opaleye
Prop0
Unsuccessful Mgmt
Biomass
0.05
0.1
0.15
Relative to unfished

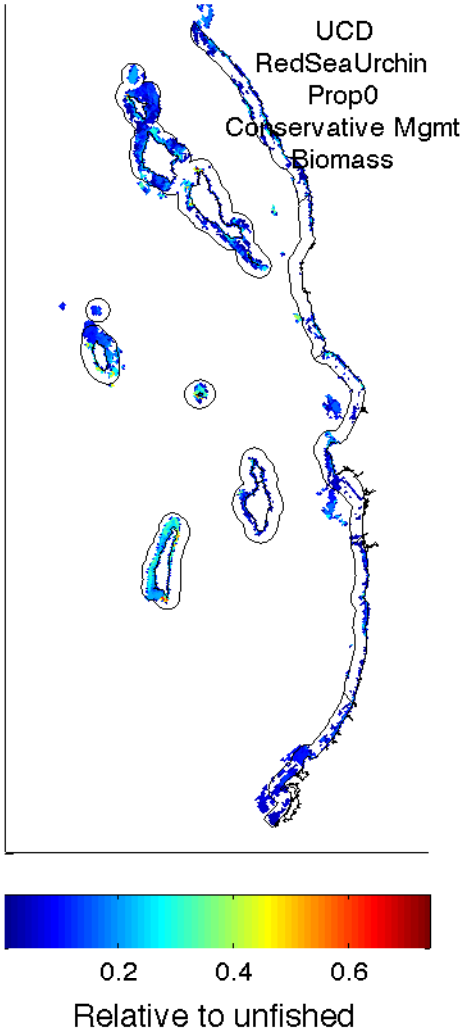

UCD
Opaleye
Prop0
Unsuccessful Mgmt
Fishing effort
0
1
2
3
Relative to MSY maximum effort

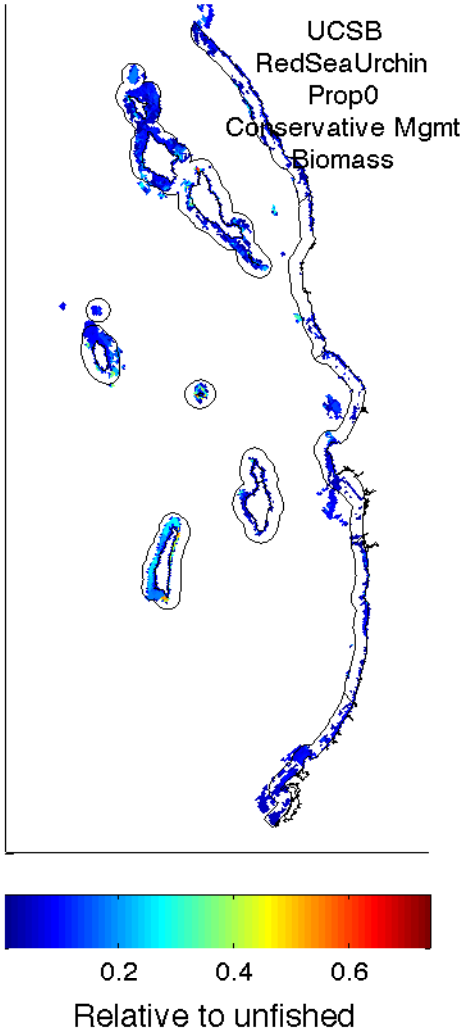

UCSB
Opaleye
Prop0
Unsuccessful Mgmt
Fishing effort
0
2
4
6
Relative to MSY maximum effort

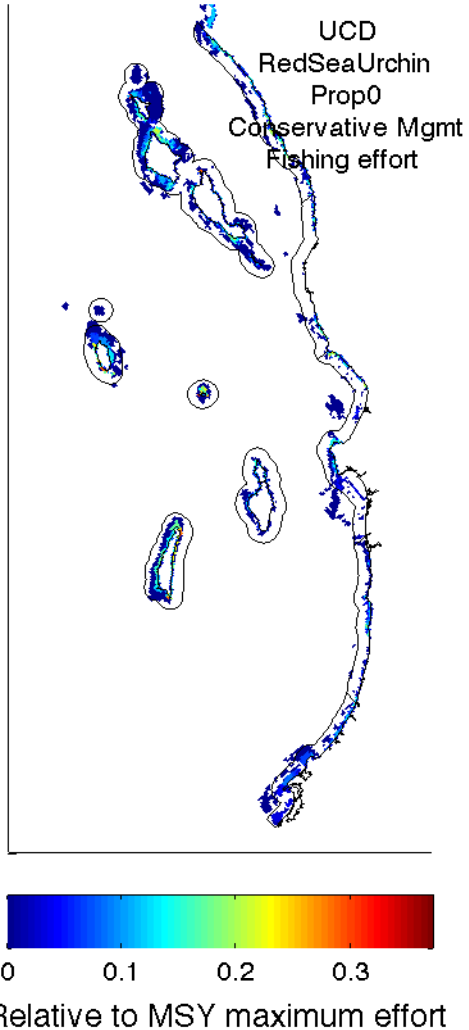

UCD
Opaleye
Prop0
Unsuccessful Mgmt
Larval Recruitment
0.005 0.01 0.015 0.02 0.025
Proportion of Maximum

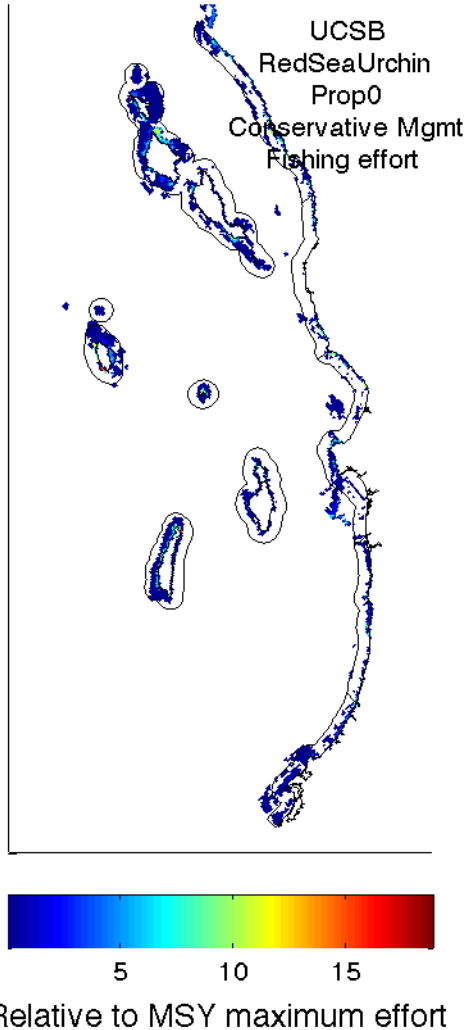

UCD
Opaleye
Prop0
Unsuccessful Mgmt
Fishing yield
0
0.1
0.2
Relative to MSY
UCSB
Opaleye
Prop0
Unsuccessful Mgmt
Fishing yield
0
0.1
0.2
Relative to MSY

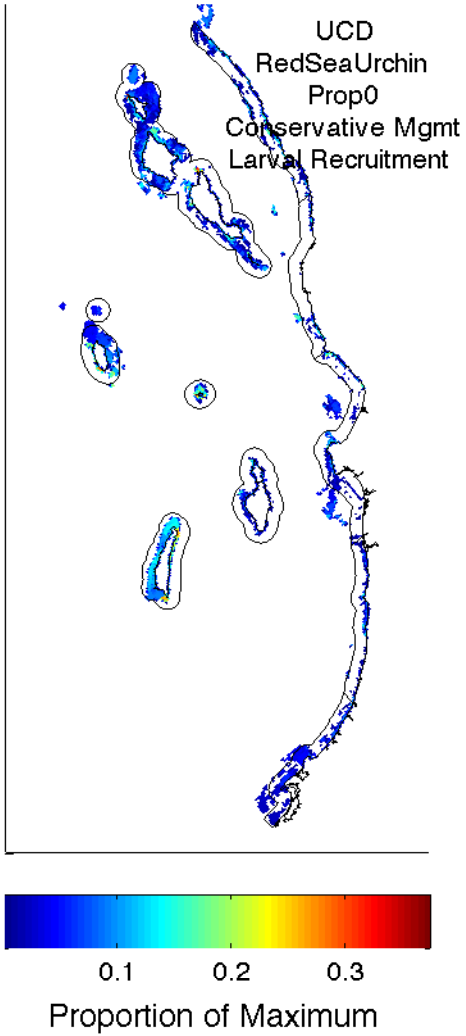

MPA boundaries
RedSeaUrchin
Prop0

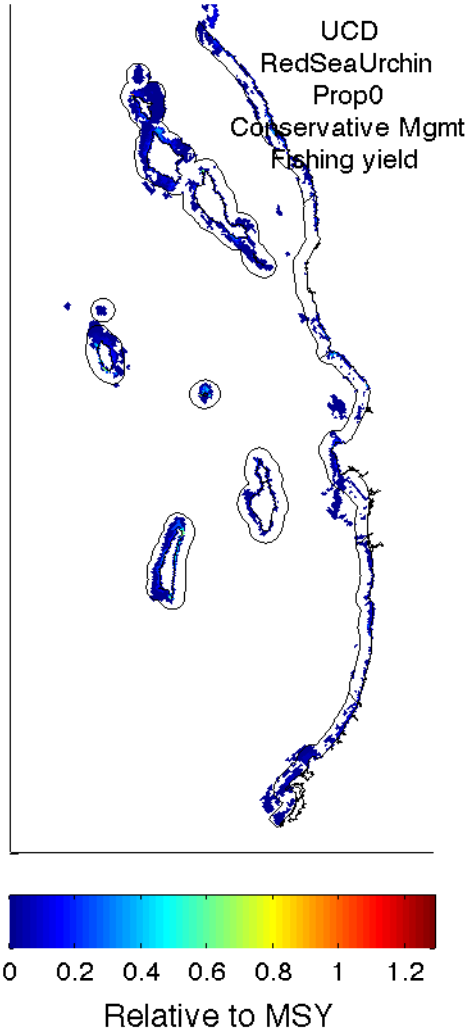

UCD
RedSeaUrchin
Prop0
Conservative Mgmt
Biomass
0.2
0.4
0.6
Relative to unfished

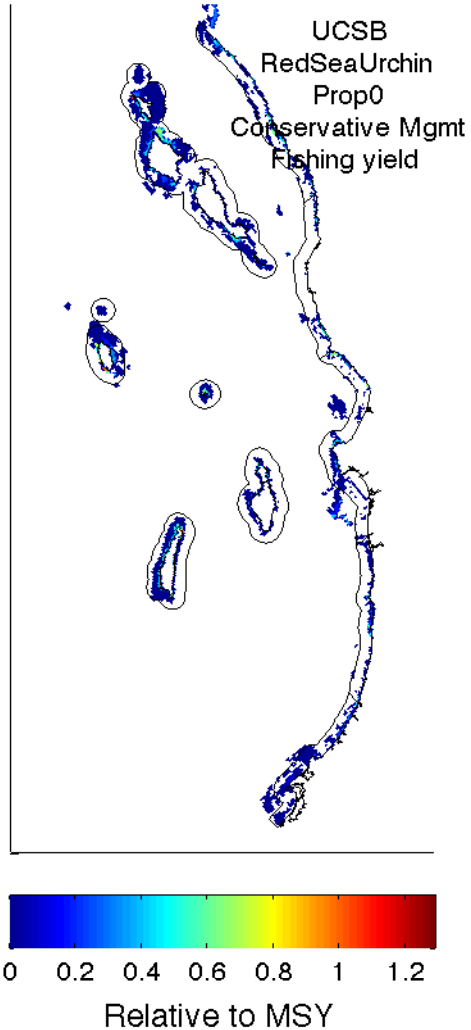

UCSB
RedSeaUrchin
Prop0
Conservative Mgmt
Biomass
0.2
0.4
0.6
Relative to unfished

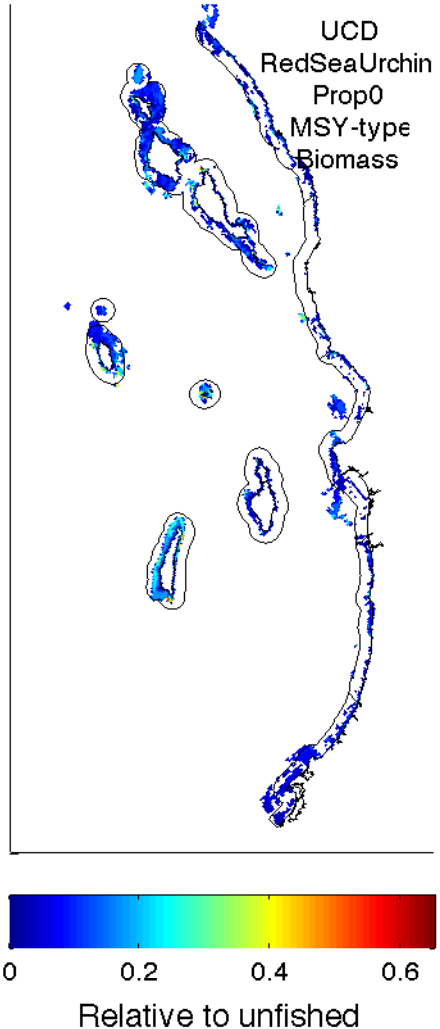

UCD
RedSeaUrchin
Prop0
Conservative Mgmt
Fishing effort
0
0.1
0.2
0.3
Relative to MSY maximum effort

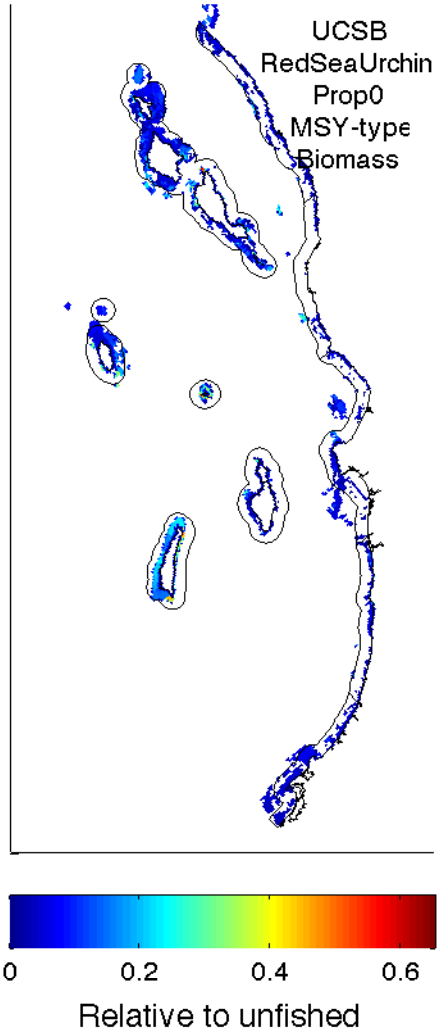

UCSB
RedSeaUrchin
Prop0
Conservative Mgmt
Fishing effort
5
10
15
Relative to MSY maximum effort

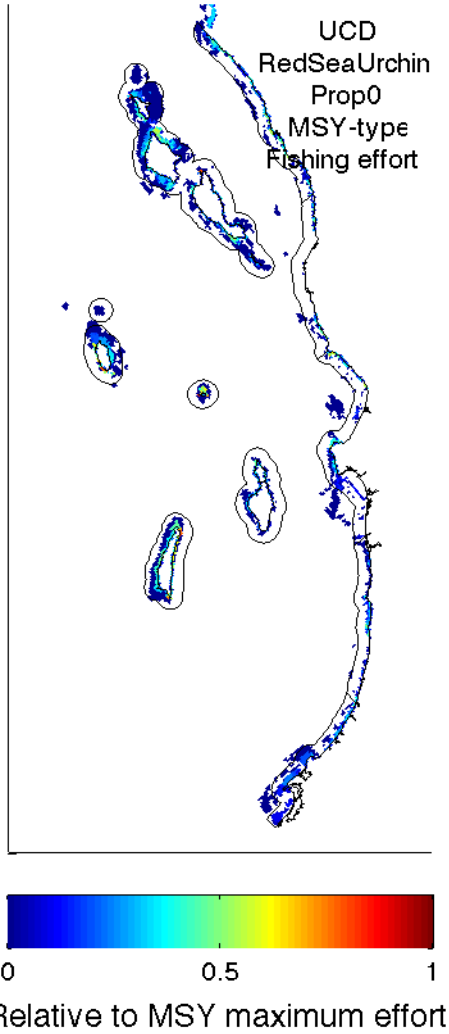

UCD
RedSeaUrchin
Prop0
Conservative Mgmt
Larval Recruitment
0.1
0.2
0.3
Proportion of Maximum

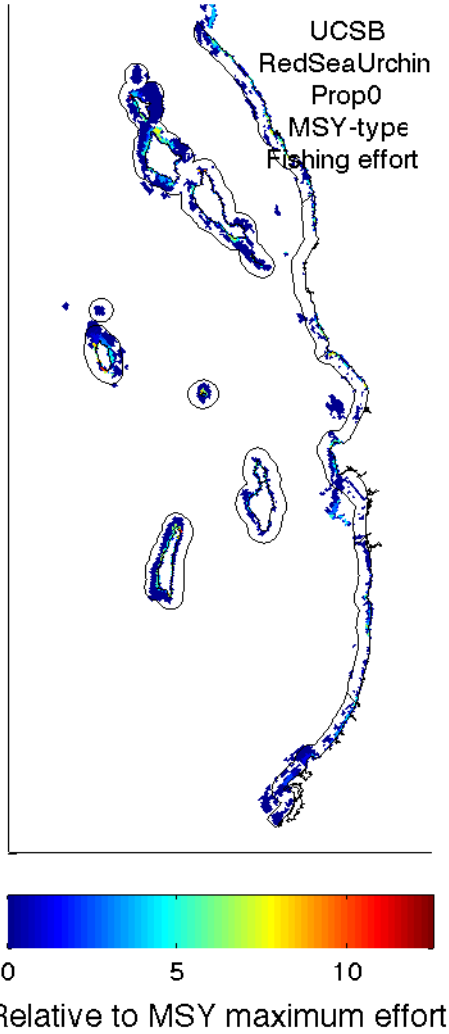

UCD
RedSeaUrchin
Prop0
Conservative Mgmt
Fishing yield
0
0.2
0.4
0.6
0.8
1
1.2
Relative to MSY

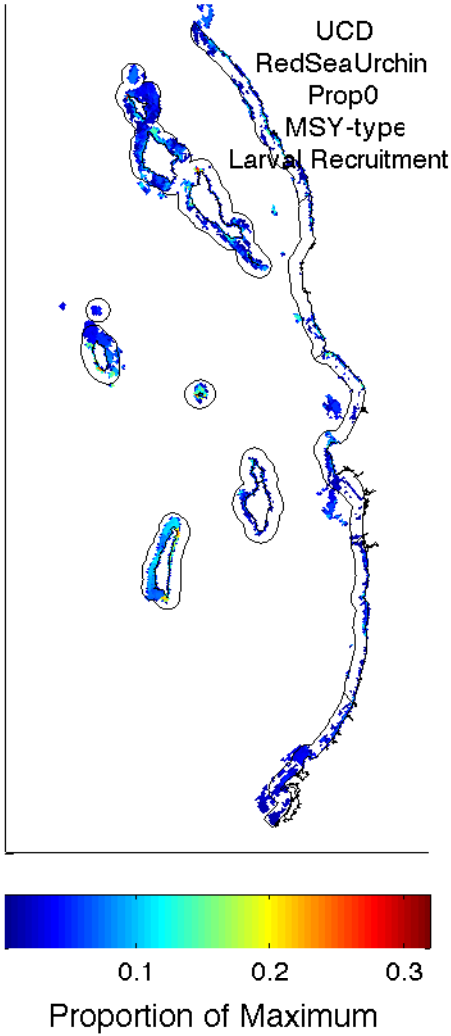

UCSB
RedSeaUrchin
Prop0
Conservative Mgmt
Fishing yield
0
0.2
0.4
0.6
0.8
1
1.2
Relative to MSY

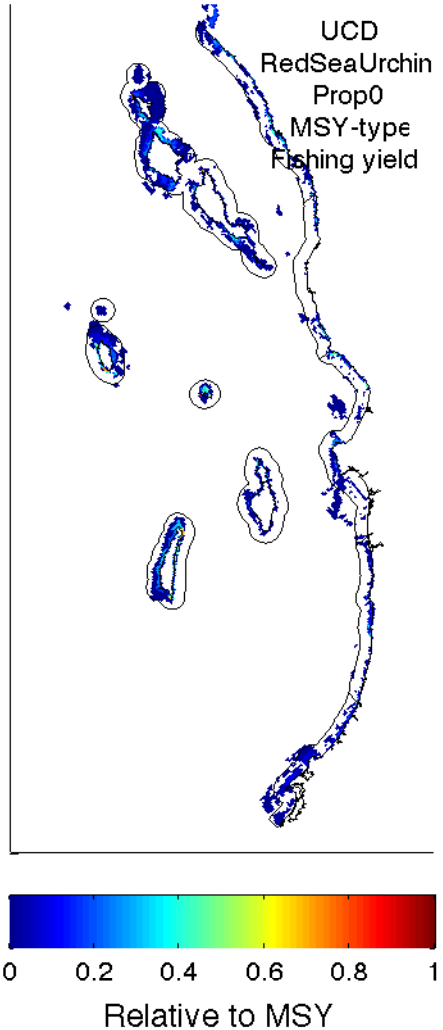

UCD
RedSeaUrchin
Prop0
MSY-type
Biomass
0
0.2
0.4
0.6
Relative to unfished

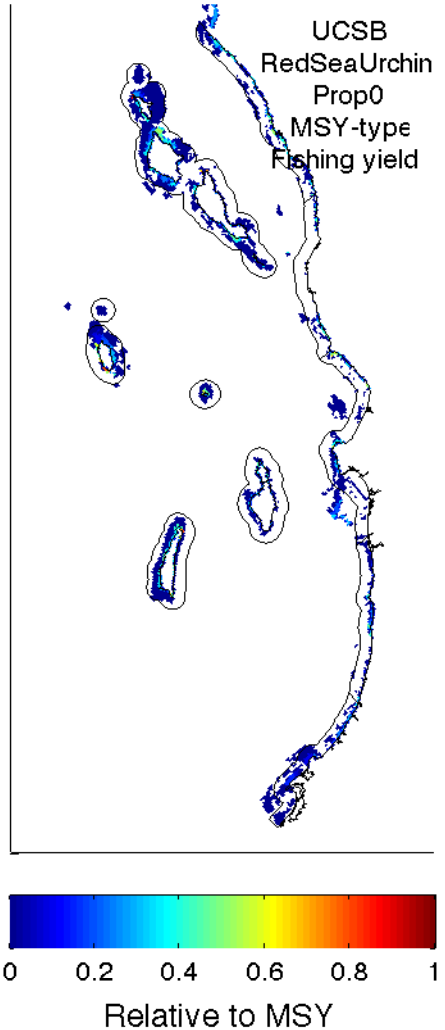

UCSB
RedSeaUrchin
Prop0
MSY-type
Biomass
0
0.2
0.4
0.6
Relative to unfished

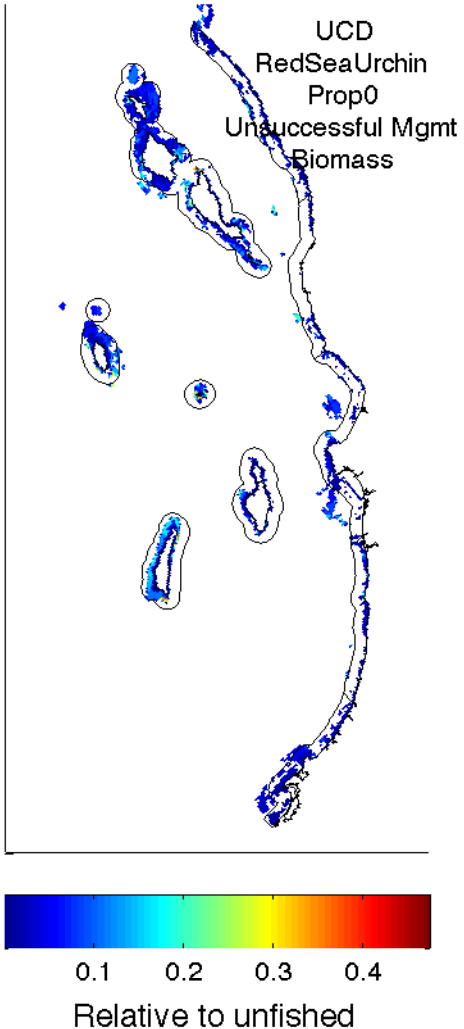

UCD
RedSeaUrchin
Prop0
MSY-type
Fishing effort
0
0.5
1
Relative to MSY maximum effort

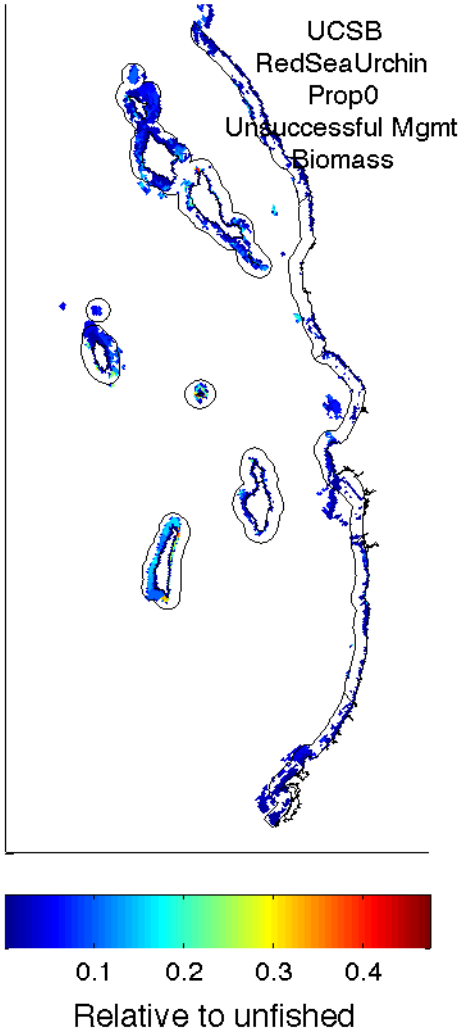

UCSB
RedSeaUrchin
Prop0
MSY-type
Fishing effort
0
5
10
Relative to MSY maximum effort

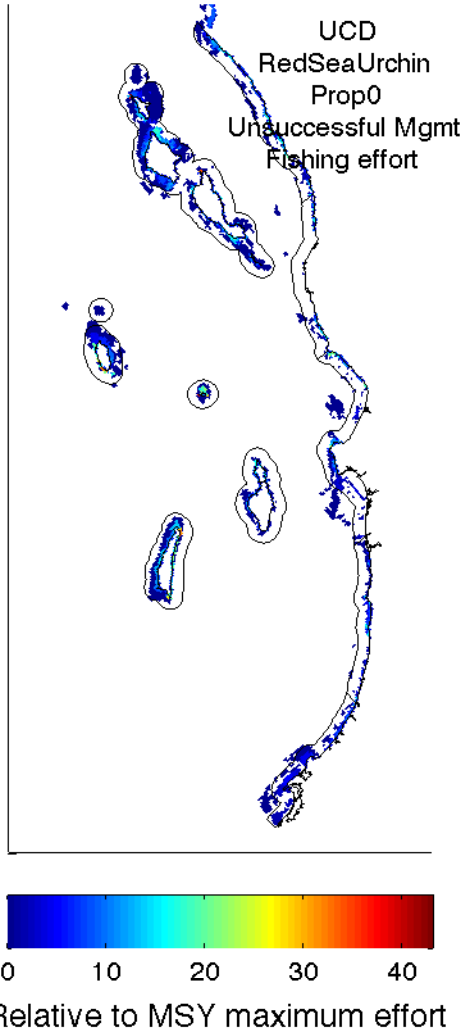

UCD
RedSeaUrchin
Prop0
MSY-type
Larval Recruitment
0.1
0.2
0.3
Proportion of Maximum

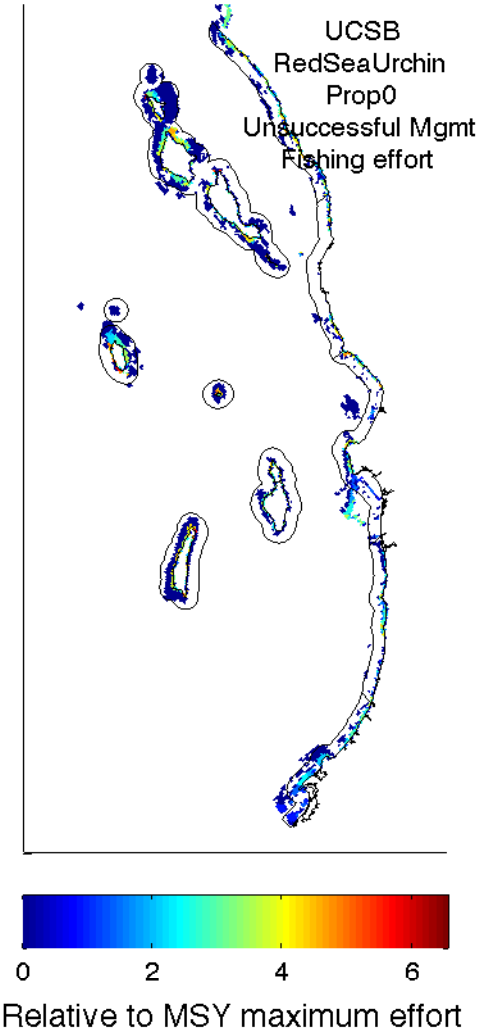

UCD
RedSeaUrchin
Prop0
MSY-type
Fishing yield
0
0.2
0.4
0.6
0.8
1
Relative to MSY

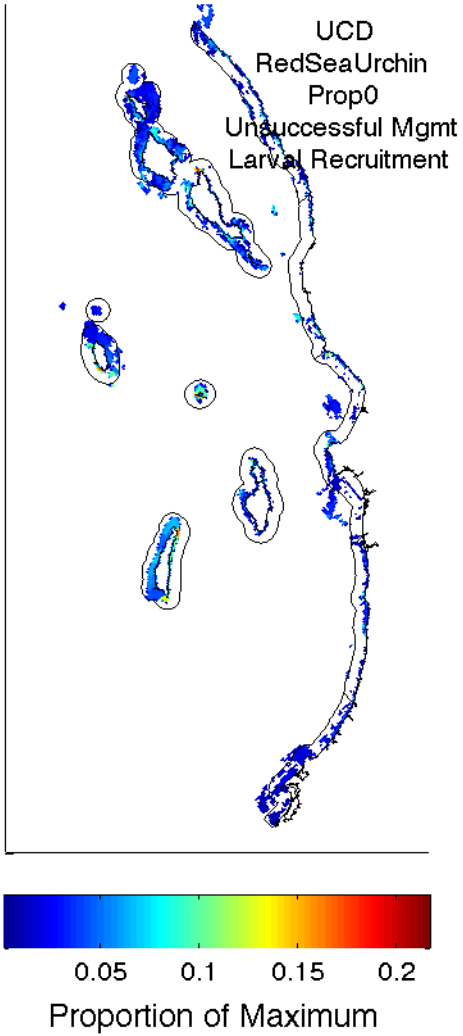

UCSB
RedSeaUrchin
Prop0
MSY-type
Fishing yield
0
0.2
0.4
0.6
0.8
1
Relative to MSY

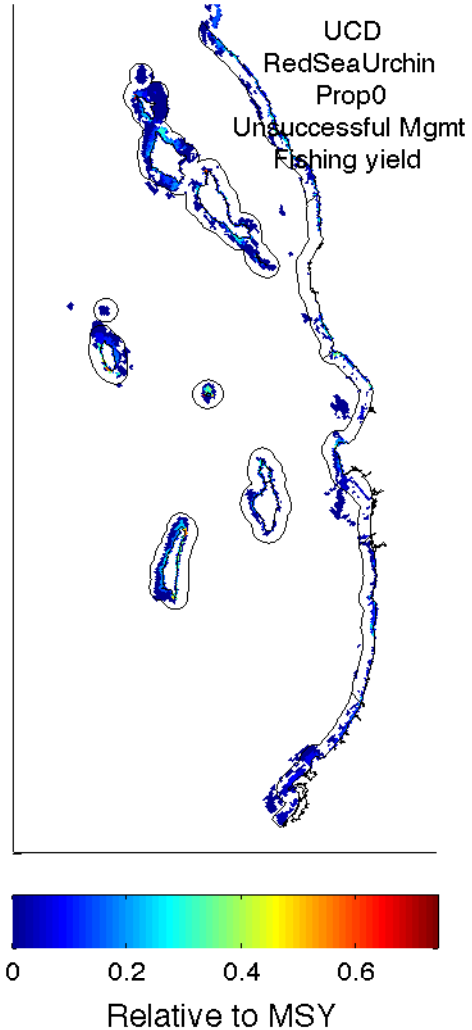

UCD
RedSeaUrchin
Prop0
Unsuccessful Mgmt
Biomass
0.1
0.2
0.3
0.4
Relative to unfished

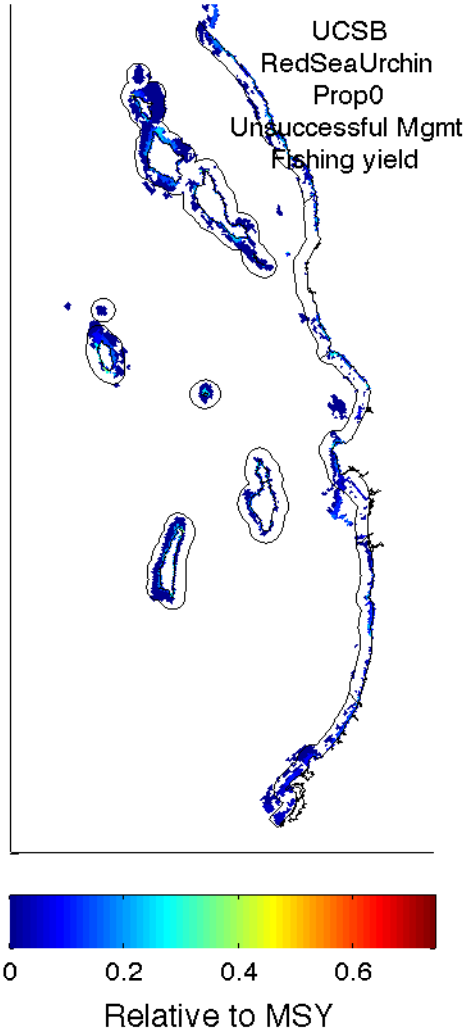

UCSB
RedSeaUrchin
Prop0
Unsuccessful Mgmt
Biomass
0.1
0.2
0.3
0.4
Relative to unfished

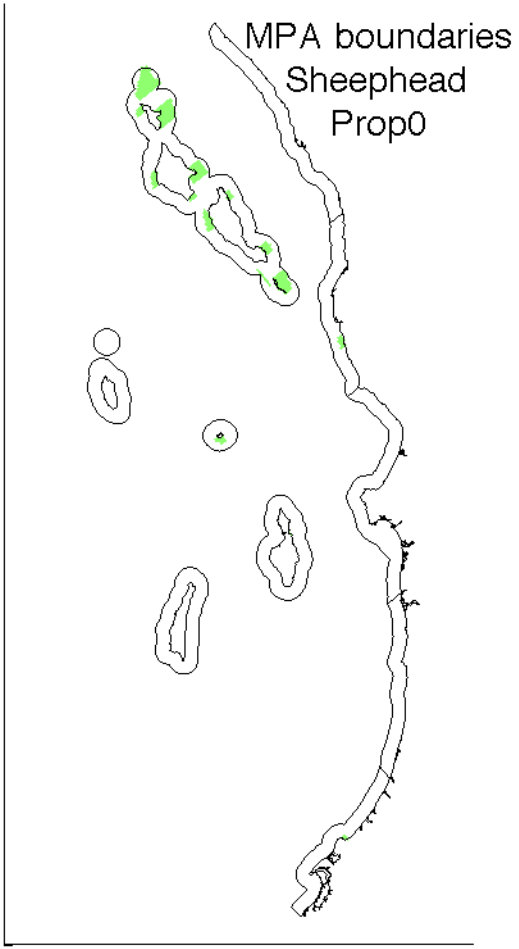

UCD
RedSeaUrchin
Prop0
Unsuccessful Mgmt
Fishing effort
0
10
20
30
40
Relative to MSY maximum effort

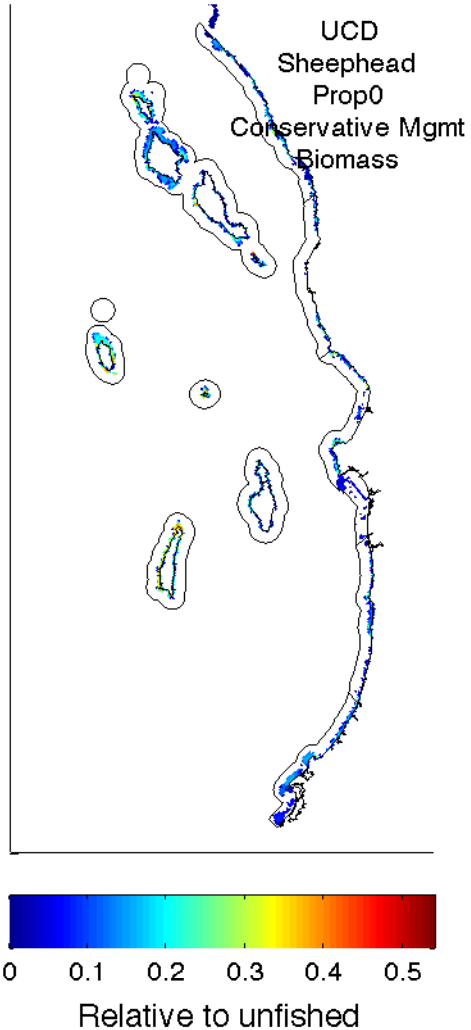

UCSB
RedSeaUrchin
Prop0
Unsuccessful Mgmt
Fishing effort
0
2
4
6
Relative to MSY maximum effort

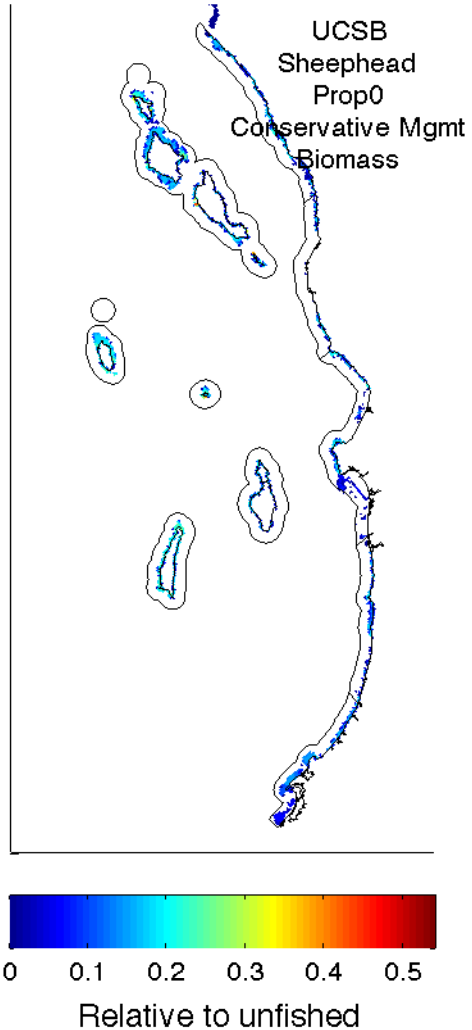

UCD
RedSeaUrchin
Prop0
Unsuccessful Mgmt
Larval Recruitment
0.05
0.1
0.15
0.2
Proportion of Maximum

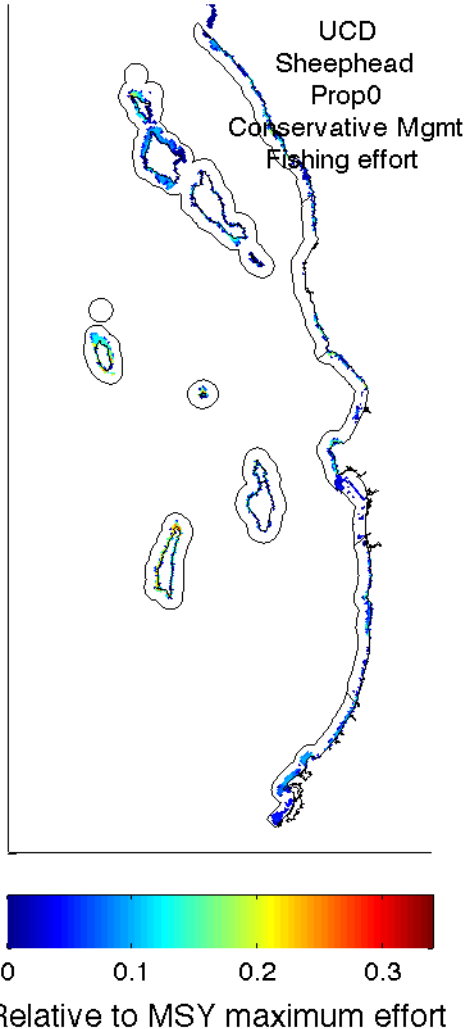

UCD
RedSeaUrchin
Prop0
Unsuccessful Mgmt
Fishing yield
0
0.2
0.4
0.6
Relative to MSY

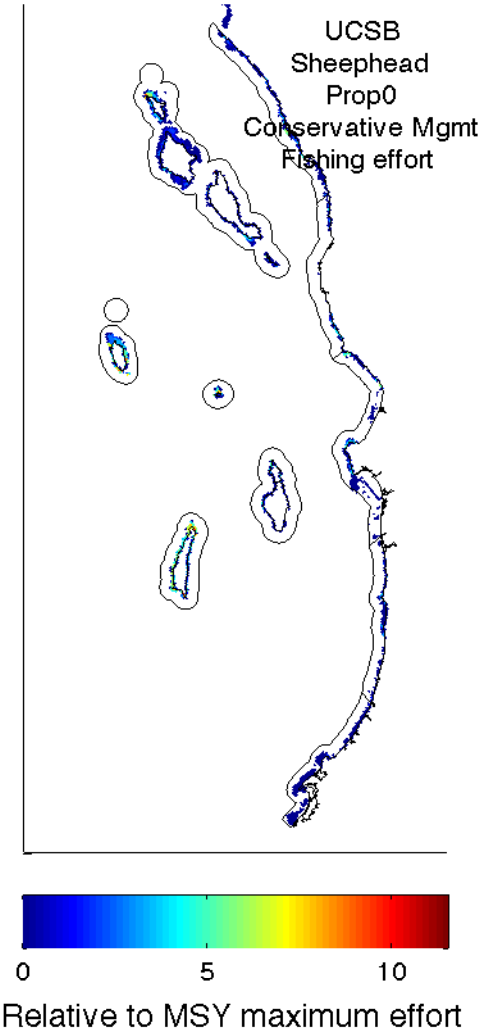

UCSB
RedSeaUrchin
Prop0
Unsuccessful Mgmt
Fishing yield
0
0.2
0.4
0.6
Relative to MSY

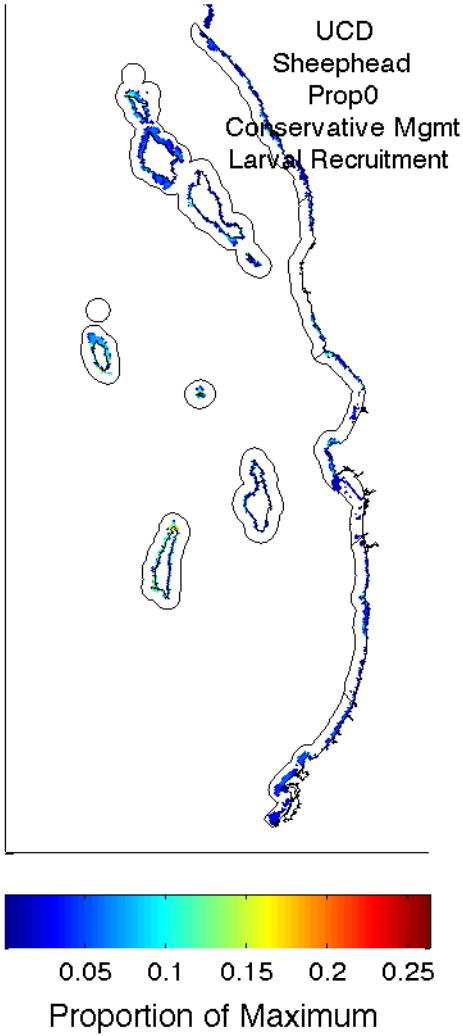

MPA boundaries
Sheephead
Prop0

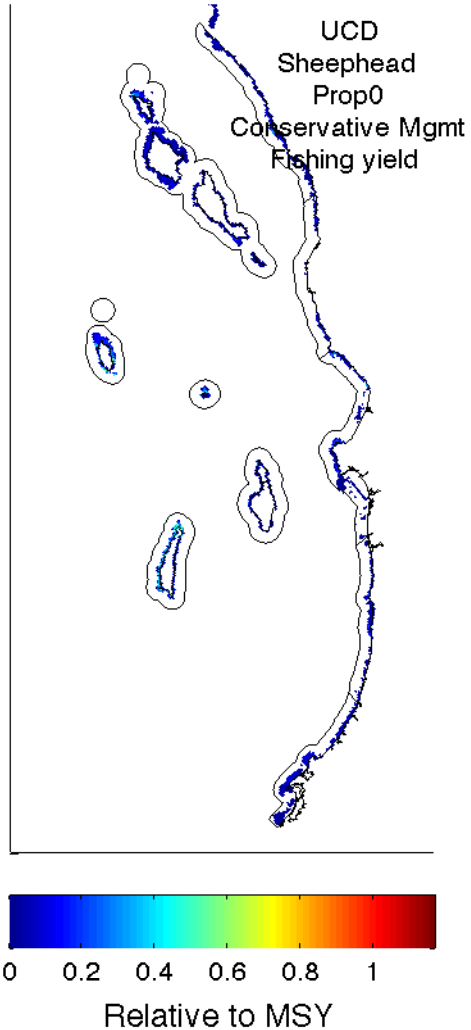

UCD
Sheephead
Prop0
Conservative Mgmt
Biomass
0
0.1
0.2
0.3
0.4
0.5
Relative to unfished

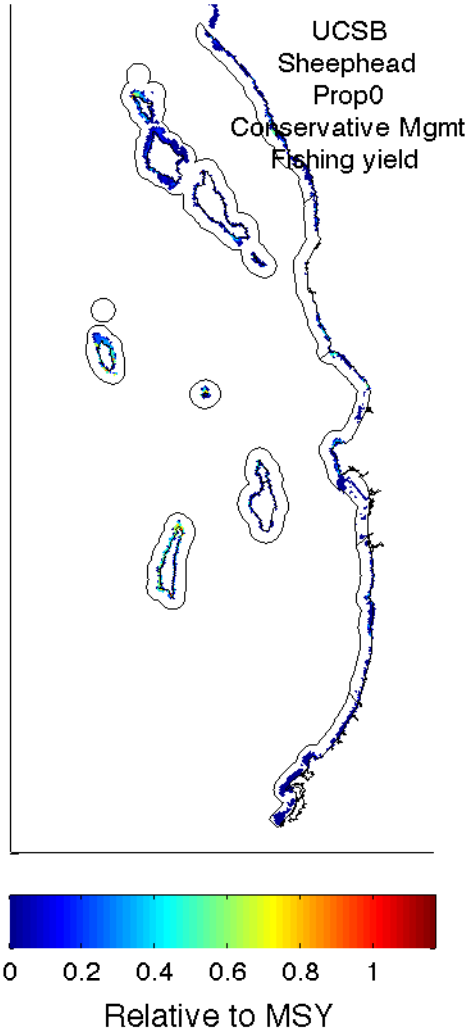

UCSB
Sheephead
Prop0
Conservative Mgmt
Biomass
0
0.1
0.2
0.3
0.4
0.5
Relative to unfished

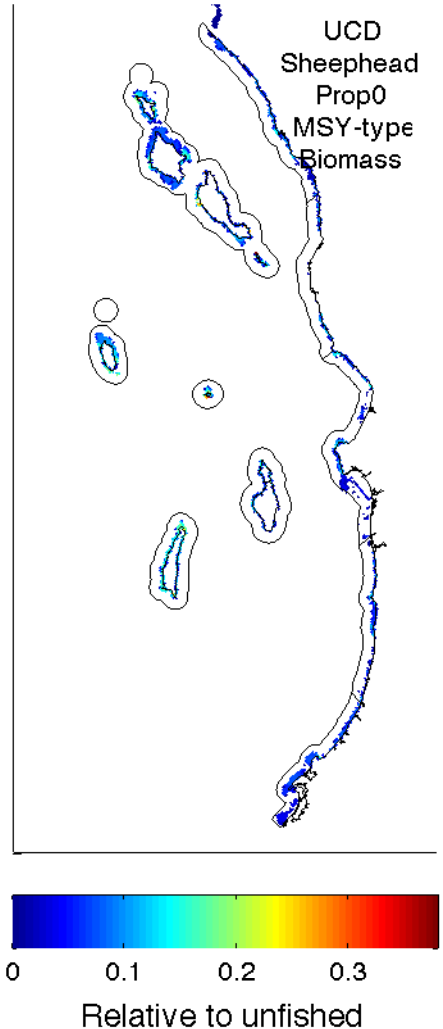

UCD
Sheephead
Prop0
Conservative Mgmt
Fishing effort
0
0.1
0.2
0.3
Relative to MSY maximum effort

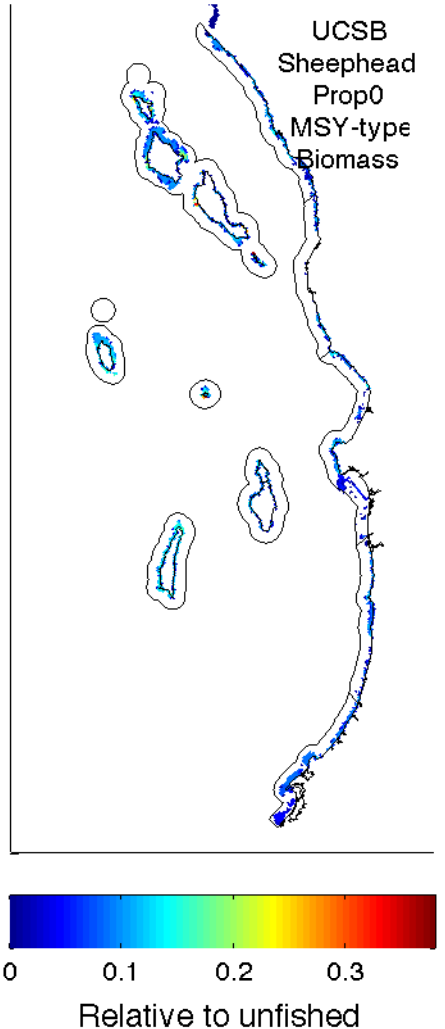

UCSB
Sheephead
Prop0
Conservative Mgmt
Fishing effort
0
5
10
Relative to MSY maximum effort

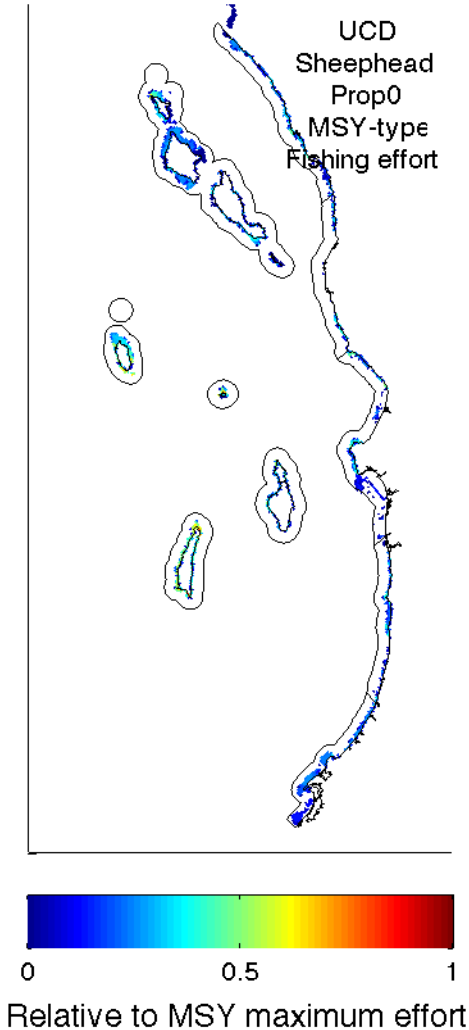

UCD
Sheephead
Prop0
Conservative Mgmt
Larval Recruitment
0.05
0.1
0.15
0.2
0.25
Proportion of Maximum

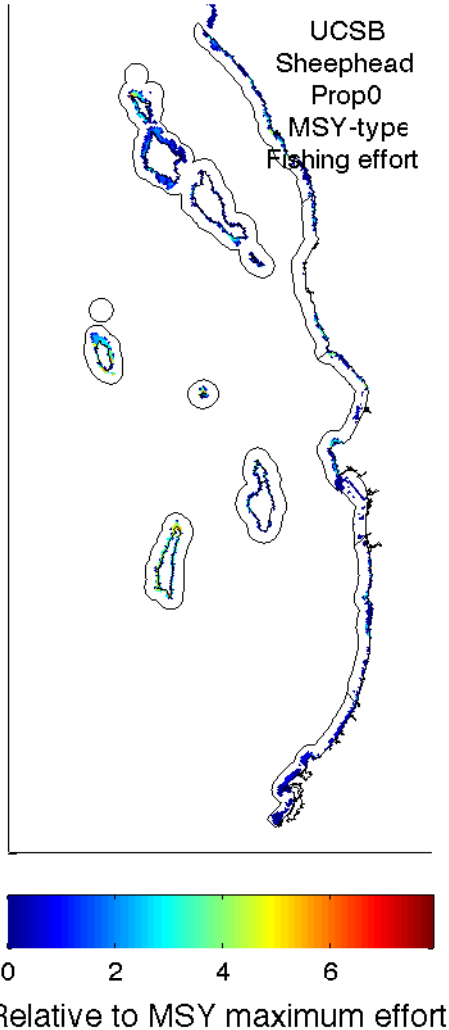

UCD
Sheephead
Prop0
Conservative Mgmt
Fishing yield
0
0.2
0.4
0.6
0.8
1
Relative to MSY

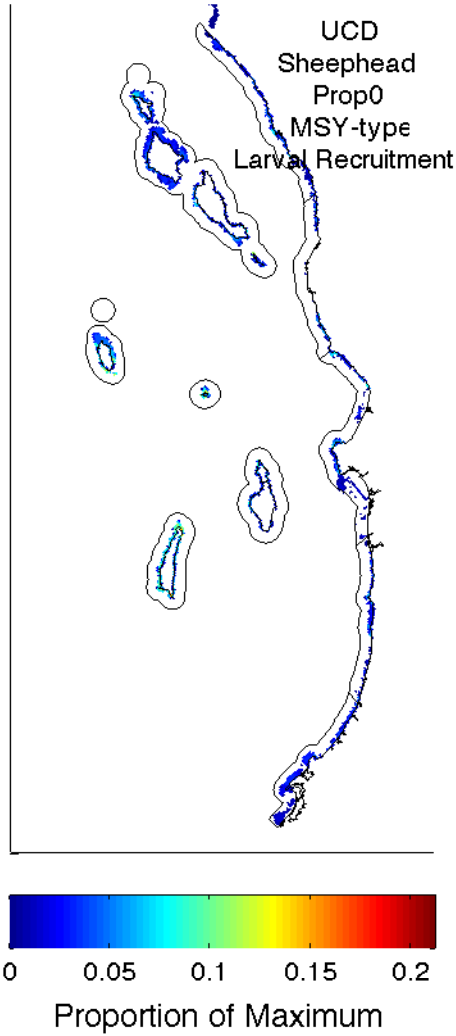

UCSB
Sheephead
Prop0
Conservative Mgmt
Fishing yield
0
0.2
0.4
0.6
0.8
1
Relative to MSY

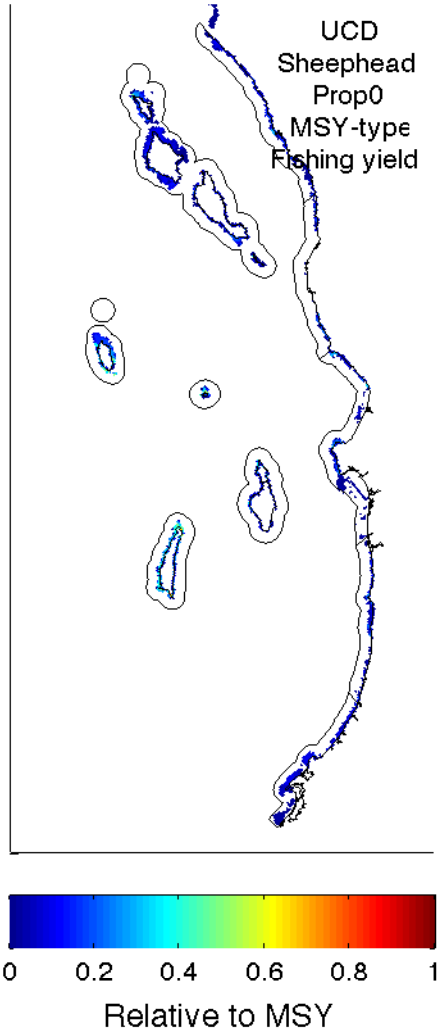

UCD
Sheephead
Prop0
MSY-type
Biomass
0
0.1
0.2
0.3
Relative to unfished

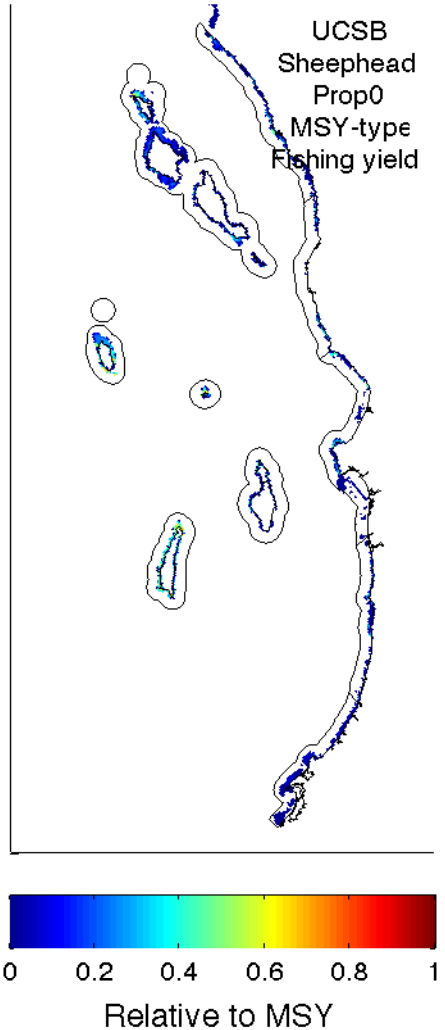

UCSB
Sheephead
Prop0
MSY-type
Biomass
0
0.1
0.2
0.3
Relative to unfished

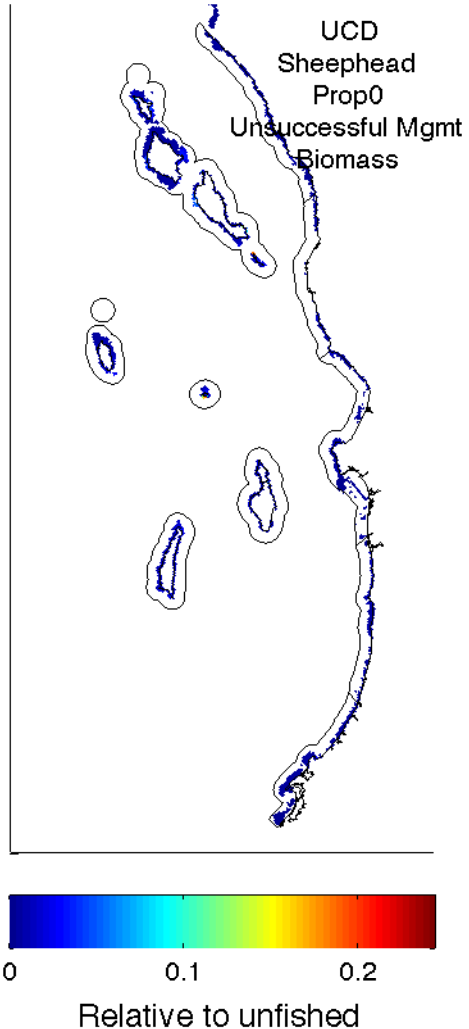

UCD
Sheephead
Prop0
MSY-type
Fishing effort
0
0.5
1
Relative to MSY maximum effort

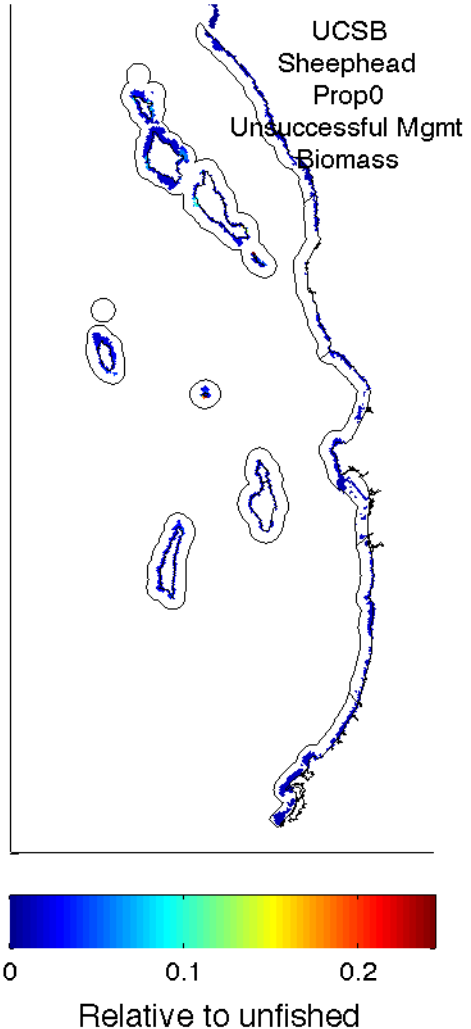

UCSB
Sheephead
Prop0
MSY-type
Fishing effort
0
2
4
6
Relative to MSY maximum effort

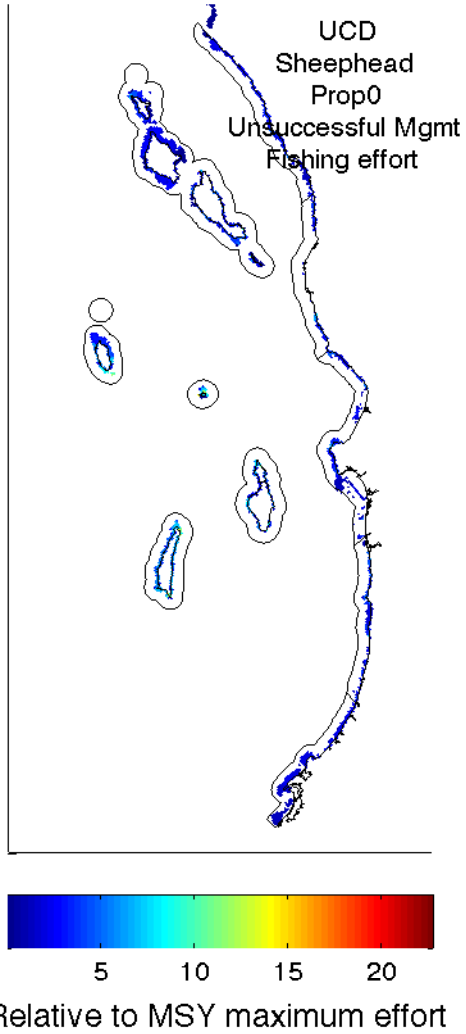

UCD
Sheephead
Prop0
MSY-type
Larval Recruitment
0
0.05
0.1
0.15
0.2
Proportion of Maximum

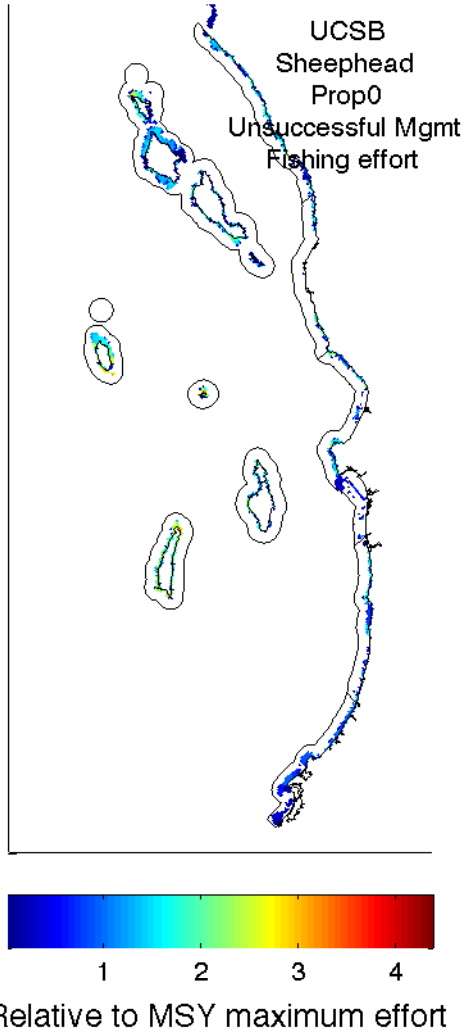

UCD
Sheephead
Prop0
MSY-type
Fishing yield
0
0.2
0.4
0.6
0.8
1
Relative to MSY

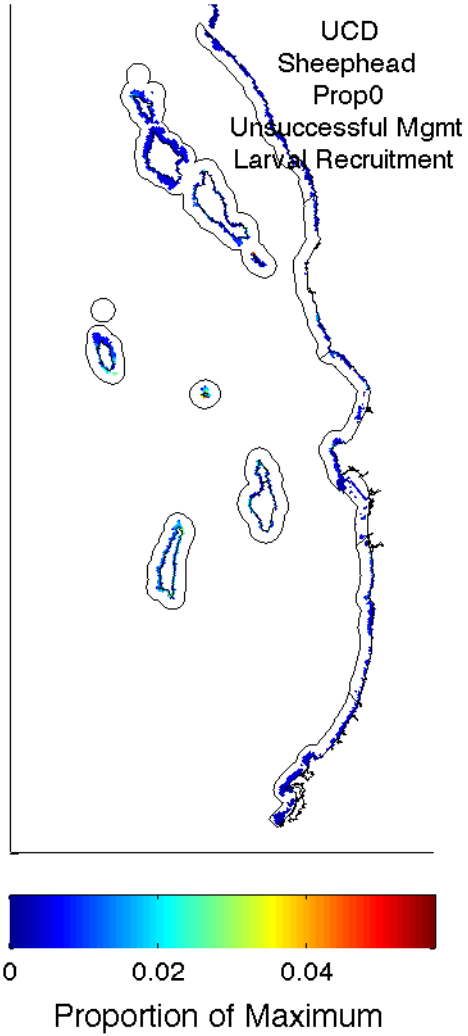

UCSB
Sheephead
Prop0
MSY-type
Fishing yield
0
0.2
0.4
0.6
0.8
1
Relative to MSY

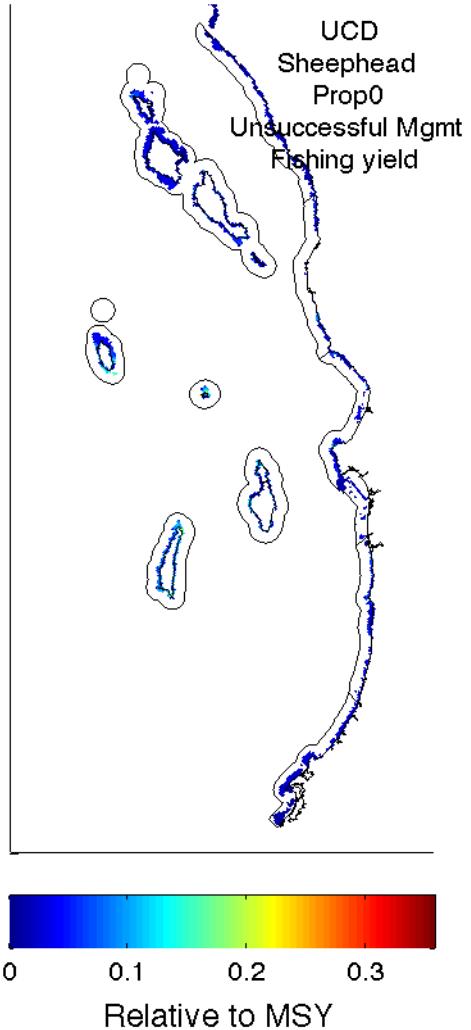

UCD
Sheephead
Prop0
Unsuccessful Mgmt
Biomass
0
0.1
0.2
Relative to unfished

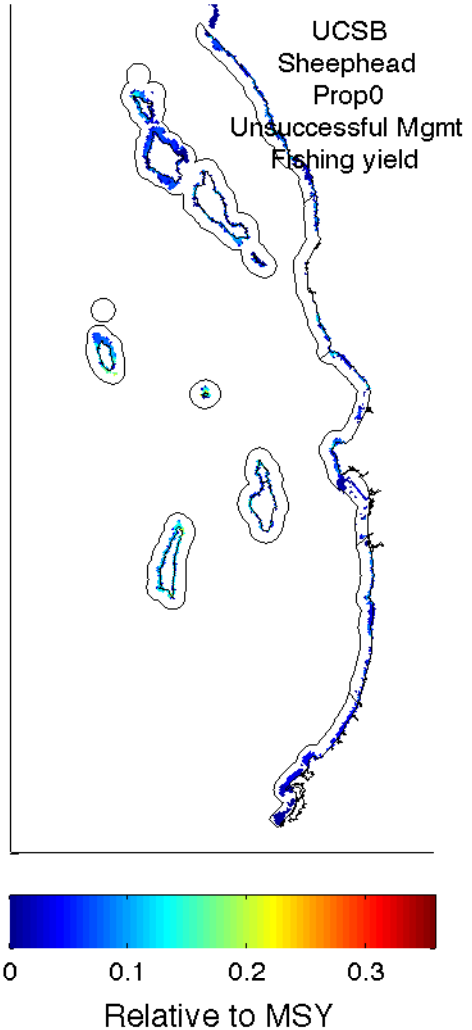

UCSB
Sheephead
Prop0
Unsuccessful Mgmt
Biomass
0
0.1
0.2
Relative to unfished


UCD
Sheephead
Prop0
Unsuccessful Mgmt
Fishing effort
5
10
15
20
Relative to MSY maximum effort


UCSB
Sheephead
Prop0
Unsuccessful Mgmt
Fishing effort
1
2
3
4
Relative to MSY maximum effort


UCD
Sheephead
Prop0
Unsuccessful Mgmt
Larval Recruitment
0
0.02
0.04
Proportion of Maximum


UCD
Sheephead
Prop0
Unsuccessful Mgmt
Fishing yield
0
0.1
0.2
0.3
Relative to MSY


UCSB
Sheephead
Prop0
Unsuccessful Mgmt
Fishing yield
0
0.1
0.2
0.3
Relative to MSY