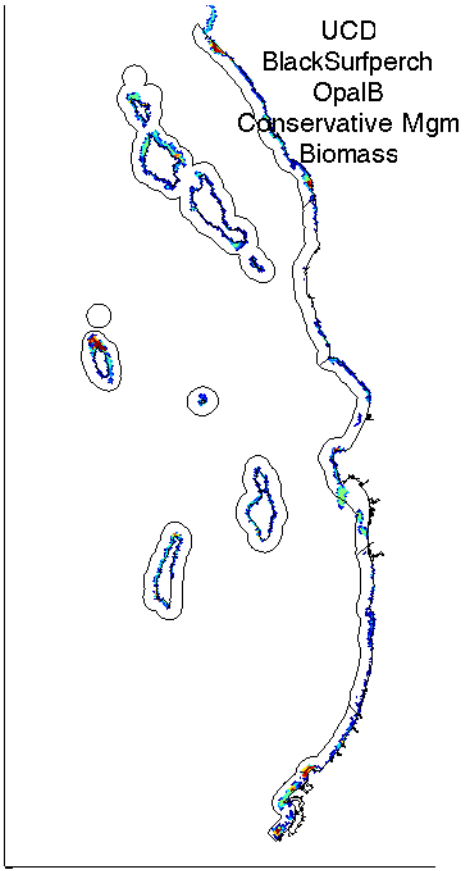
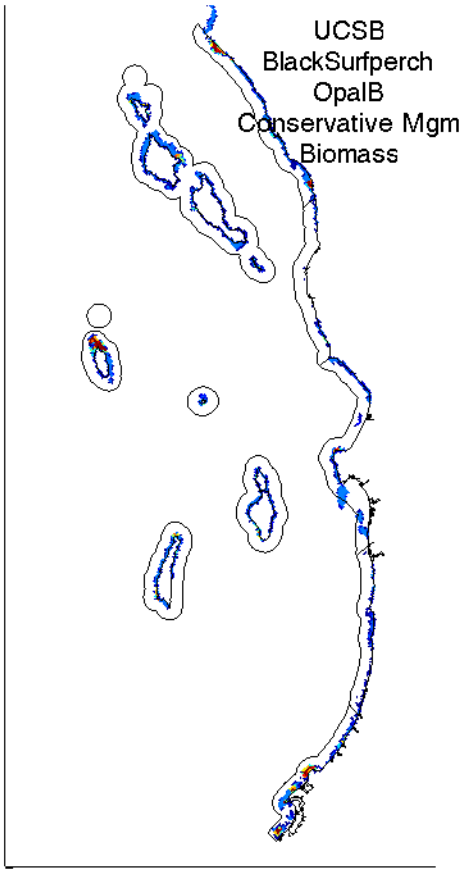
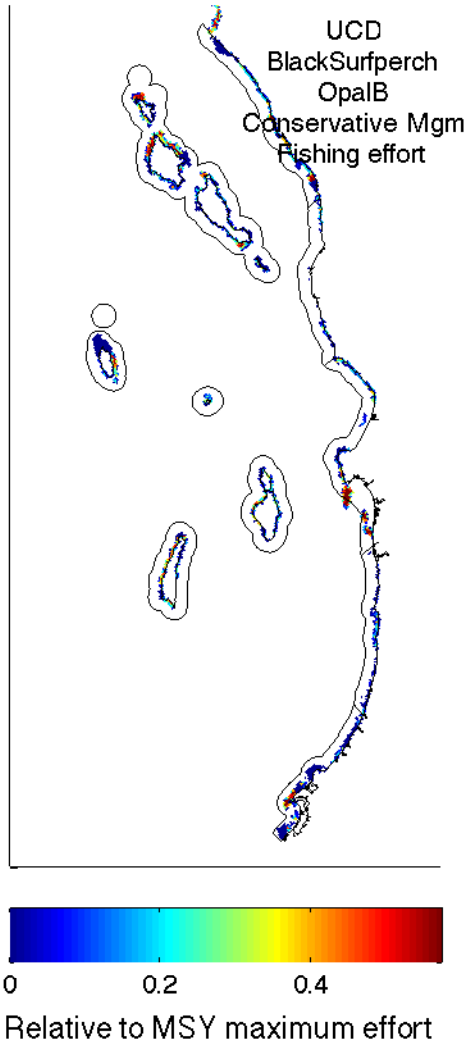
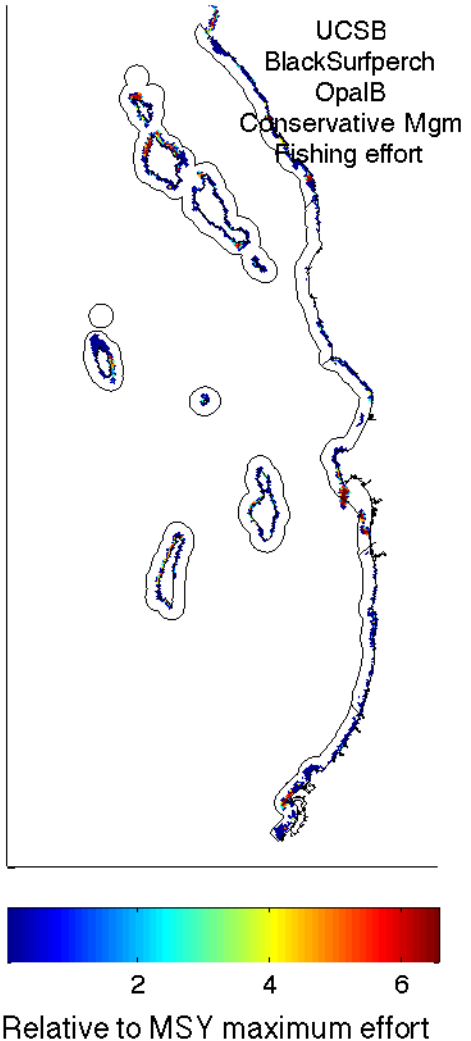


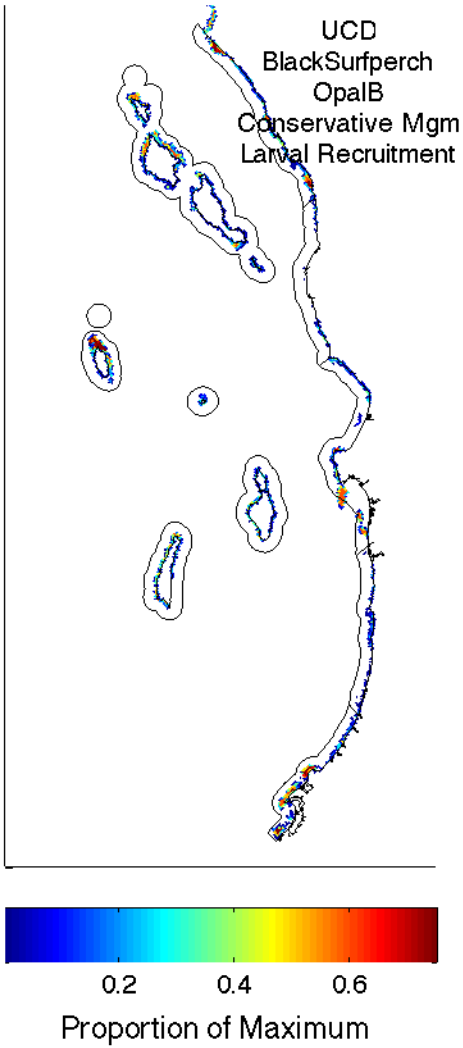
Relative to unfished

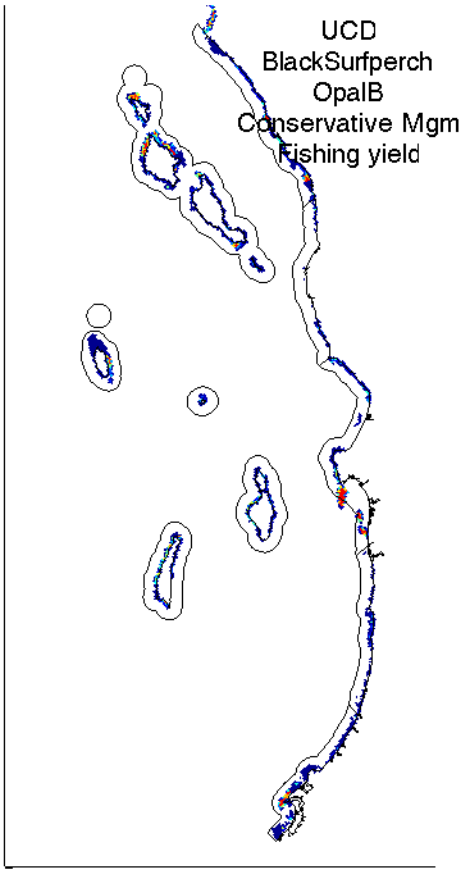


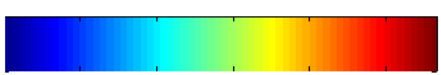
Relative to unfished


UCD
BlackSurfperch
OpalB
Conservative Mgm
Fishing effort
0
0.2
0.4
Relative to MSY maximum effort

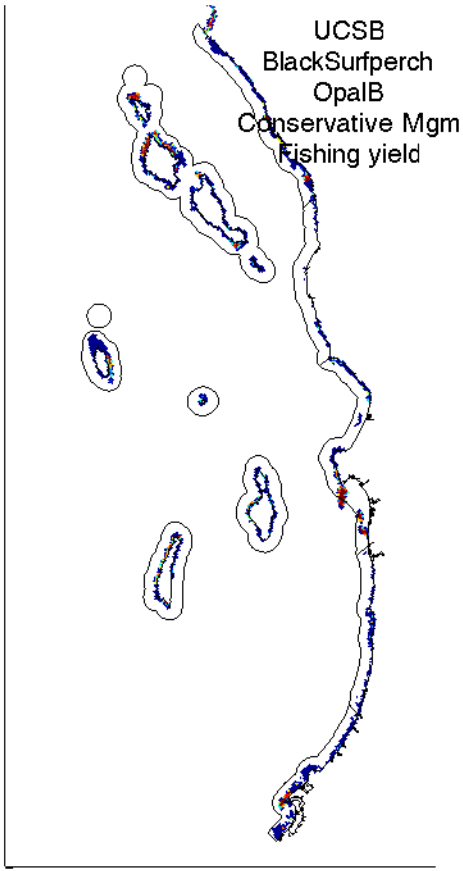

UCSB
BlackSurfperch
OpalB
Conservative Mgm
Fishing effort
2
4
6
Relative to MSY maximum effort

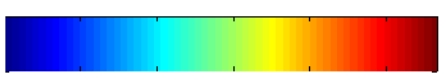

UCD
BlackSurfperch
OpalB
Conservative Mgm
Larval Recruitment
0.2
0.4
0.6
Proportion of Maximum



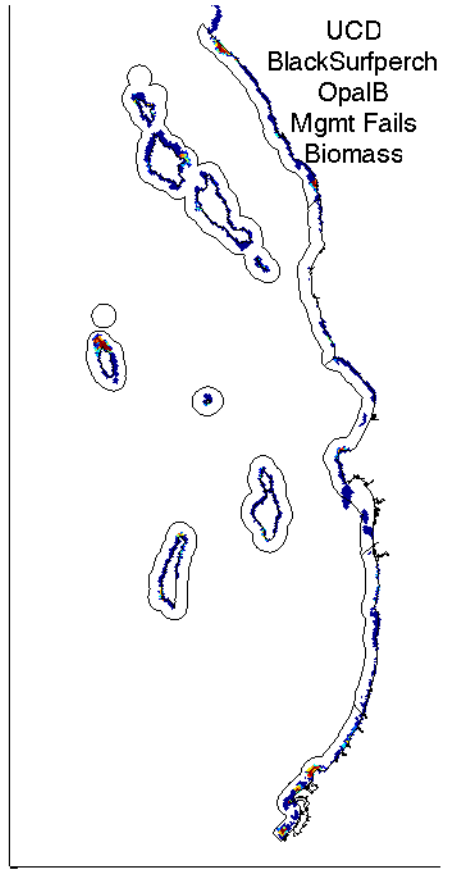


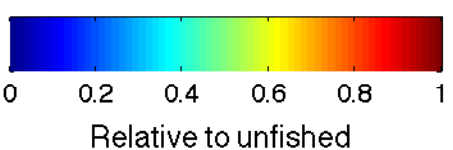
Relative to MSY

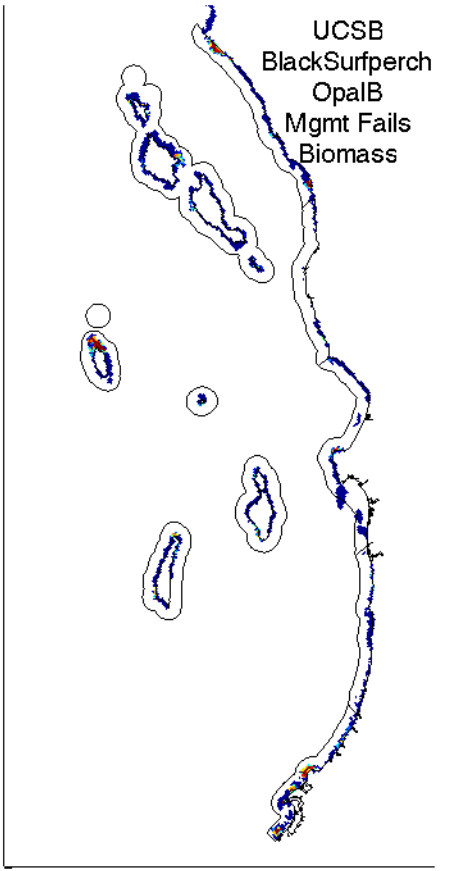


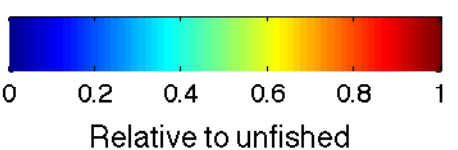


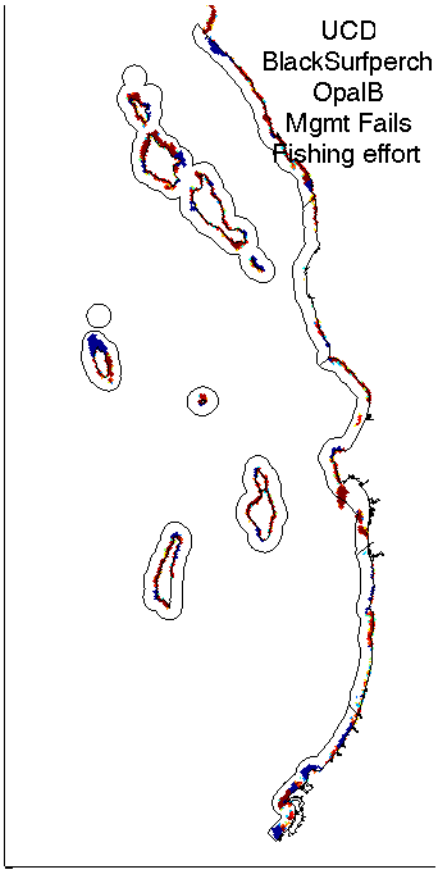
Relative to MSY

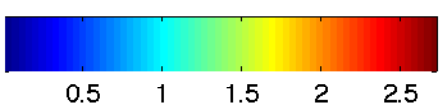

UCD
BlackSurfperch
OpalB
Mgmt Fails
Biomass


0
0.2
0.4
0.6
0.8
1
Relative to unfished

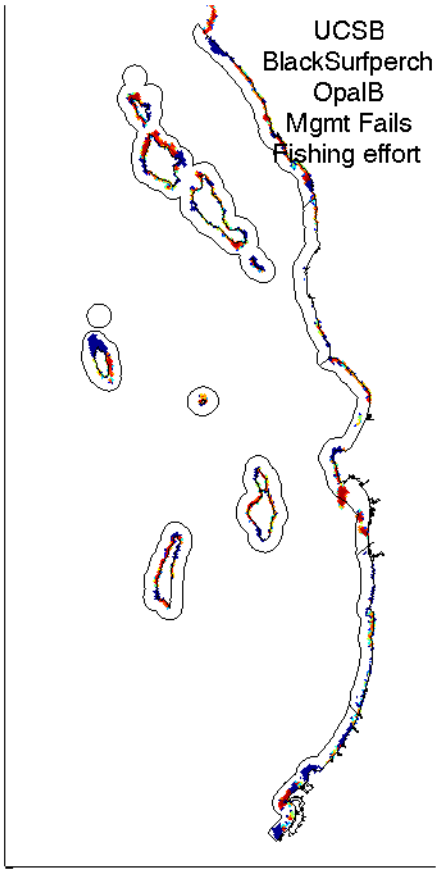

UCSB
BlackSurfperch
OpalB
Mgmt Fails
Biomass

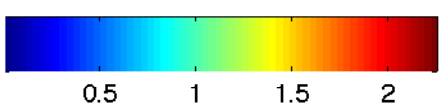

0
0.2
0.4
0.6
0.8
1
Relative to unfished



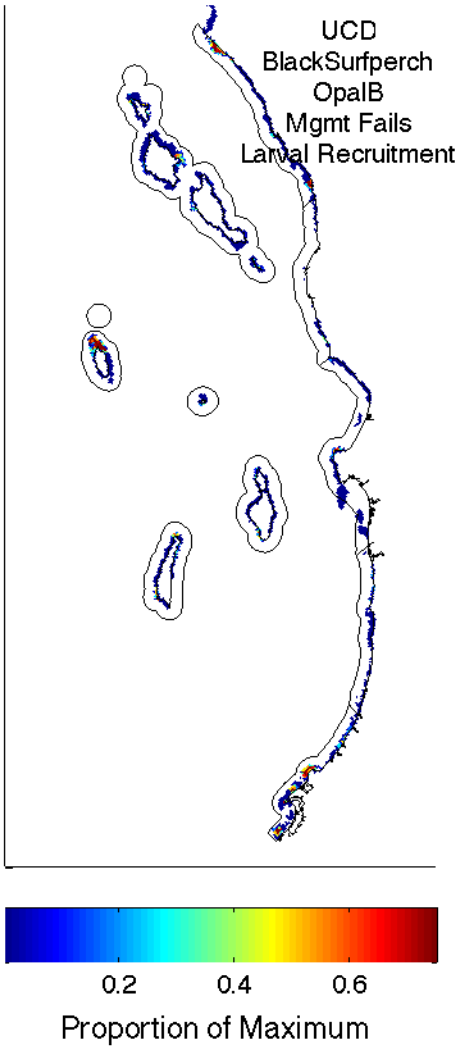


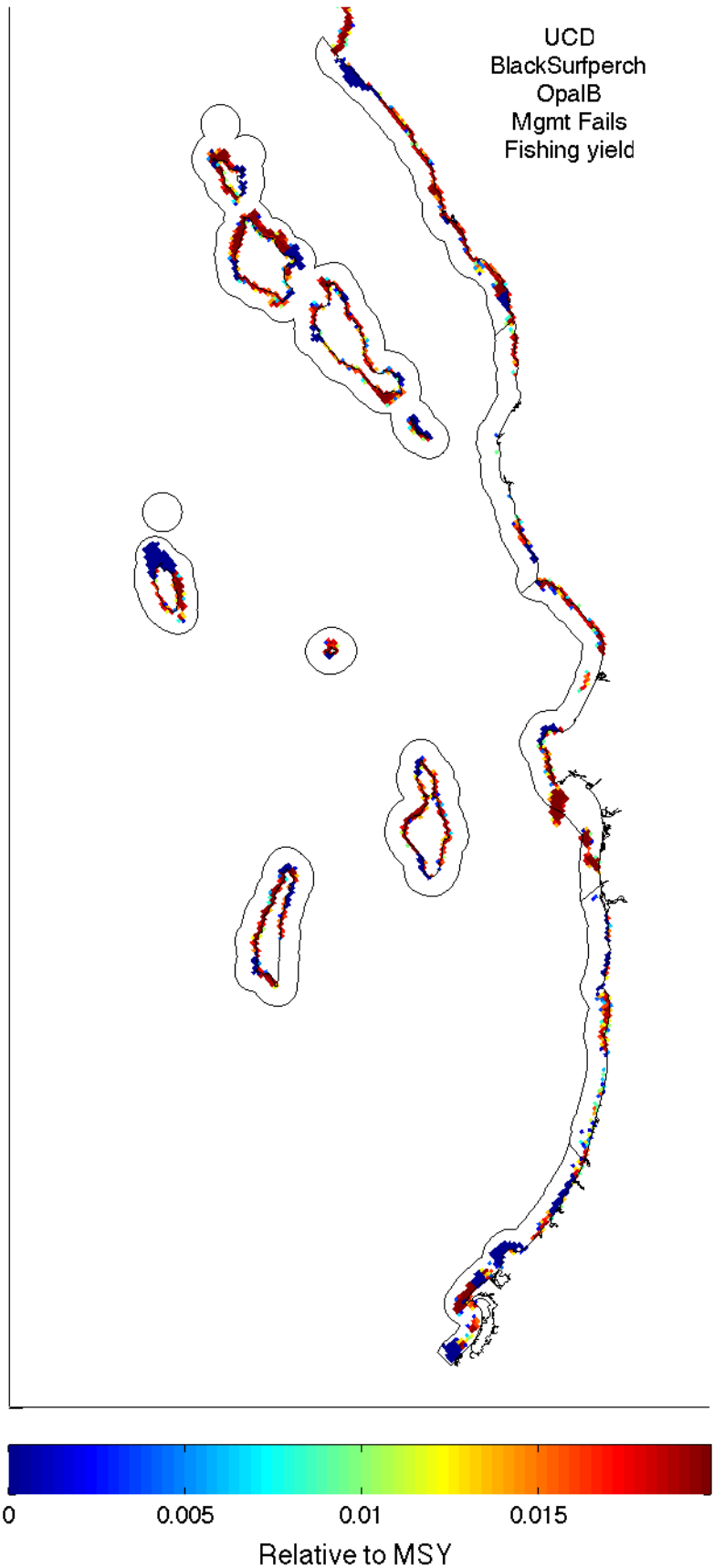
Relative to MSY maximum effort

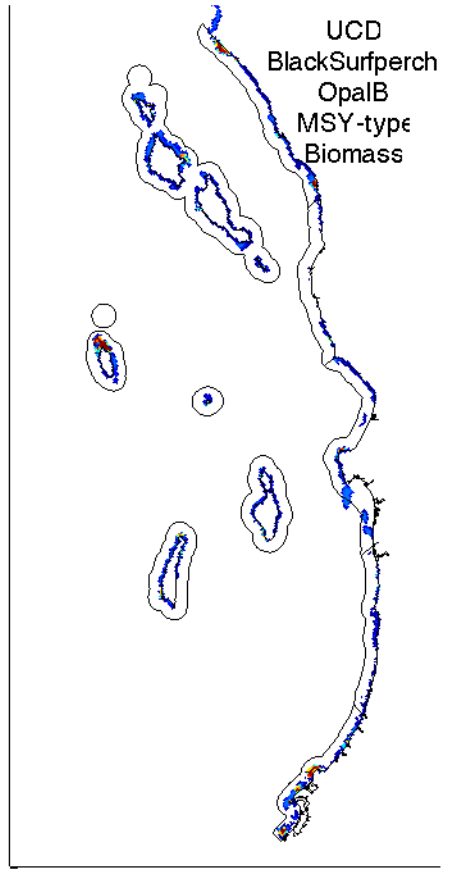


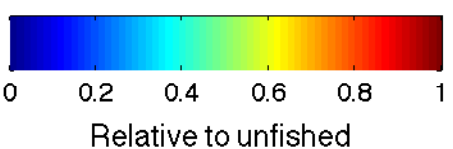


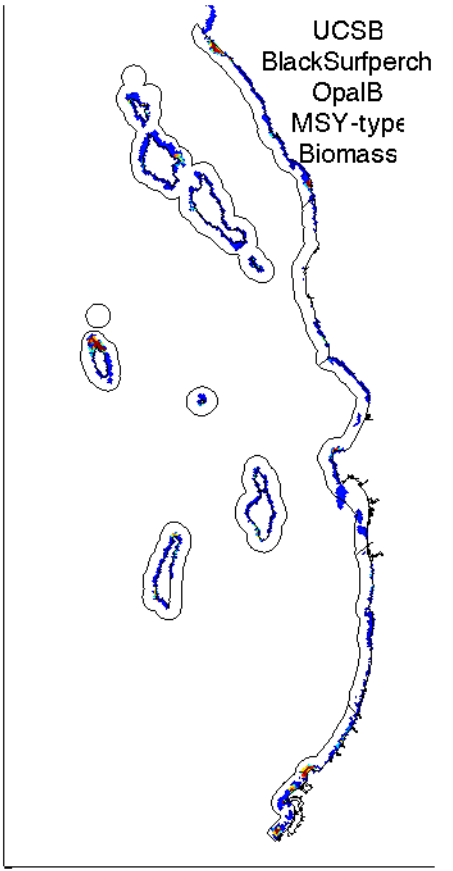
Relative to MSY maximum effort

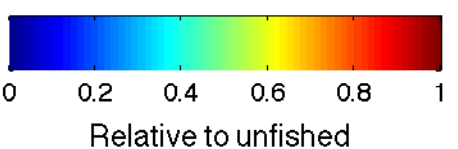

UCD
BlackSurfperch
OpalB
Mgmt Fails
Larval Recruitment
0.2
0.4
0.6
Proportion of Maximum

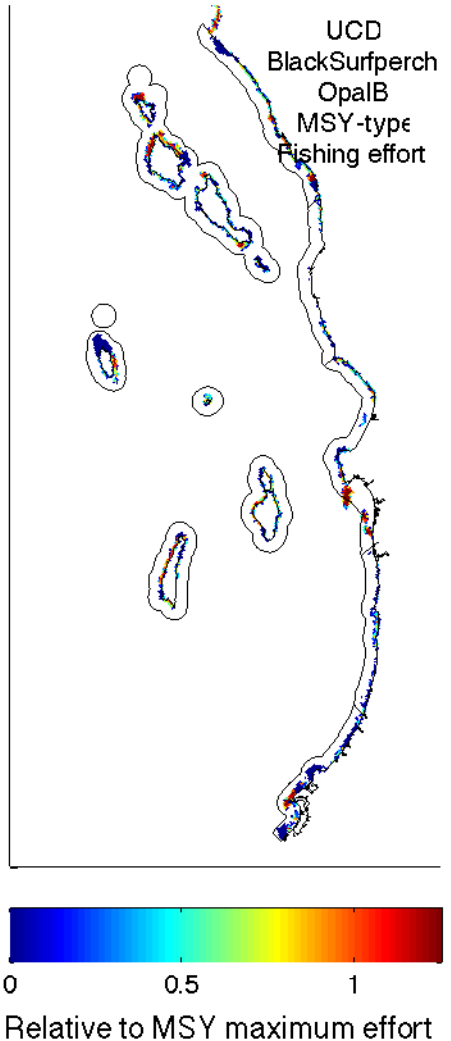

UCD
BlackSurfperch
OpalB
Mgmt Fails
Fishing yield
0
0.005
0.01
0.015
Relative to MSY

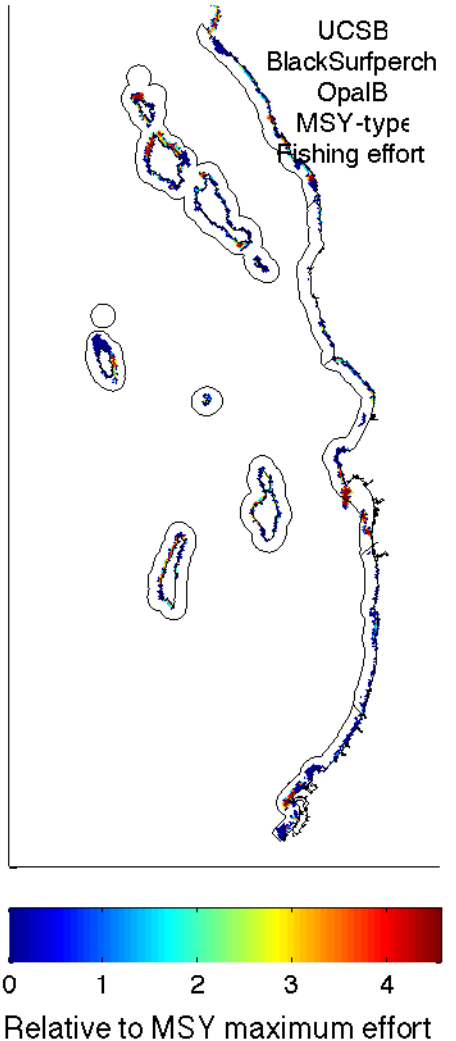

UCD
BlackSurfperch
OpalB
MSY-type
Biomass

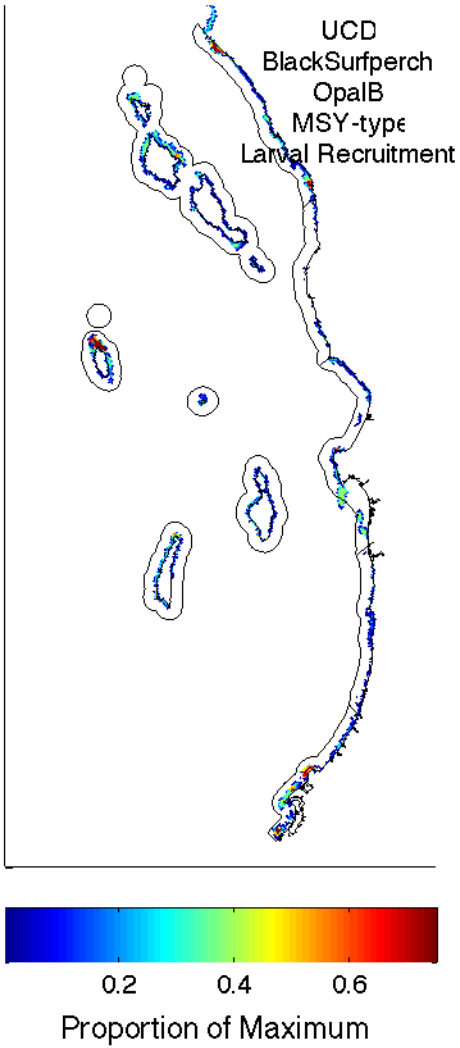

0
0.2
0.4
0.6
0.8
1
Relative to unfished

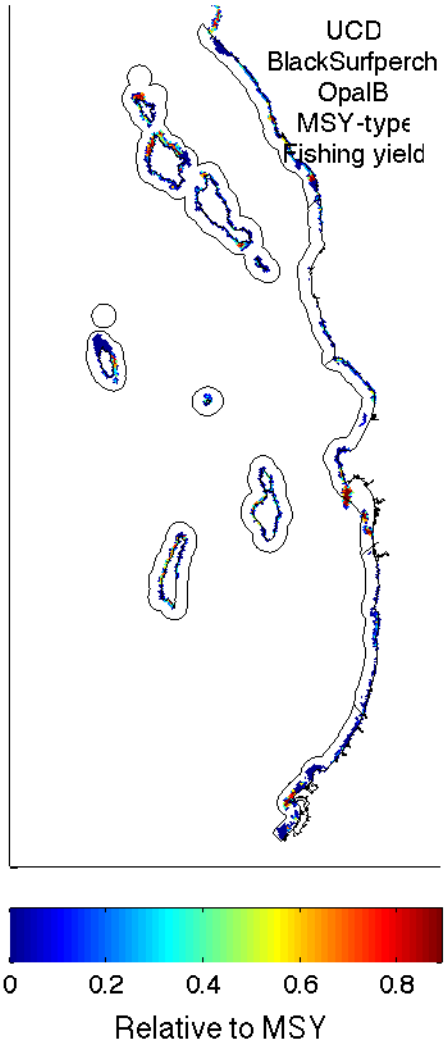

UCSB
BlackSurfperch
OpalB
MSY-type
Biomass

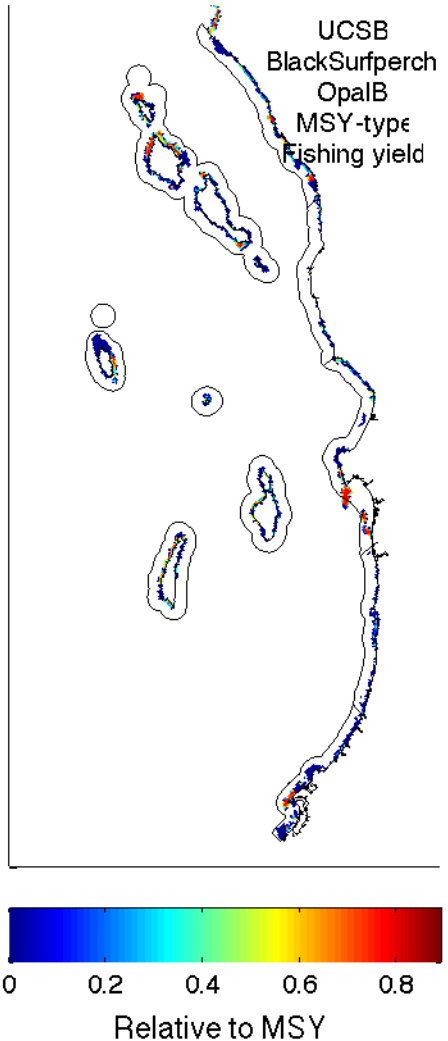

0
0.2
0.4
0.6
0.8
1
Relative to unfished

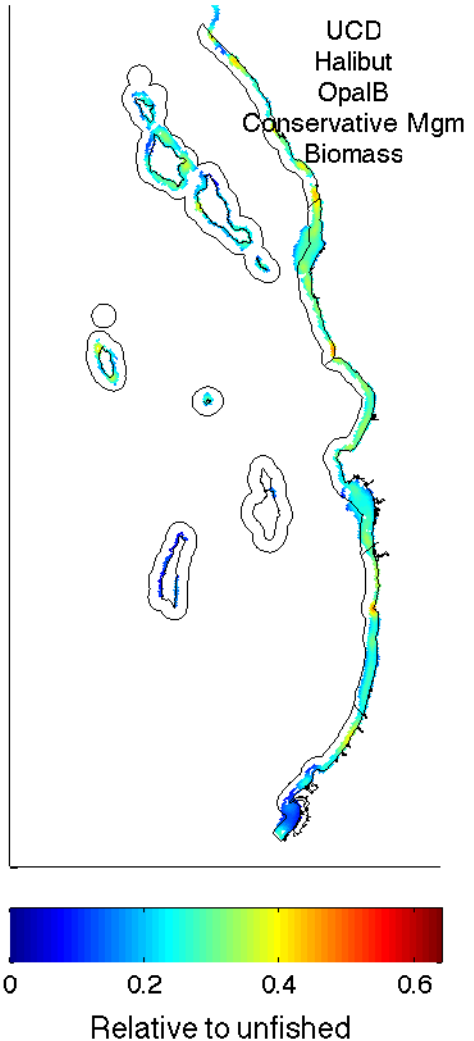

UCD
BlackSurfperch
OpalB
MSY-type
Fishing effort
0
0.5
1
Relative to MSY maximum effort

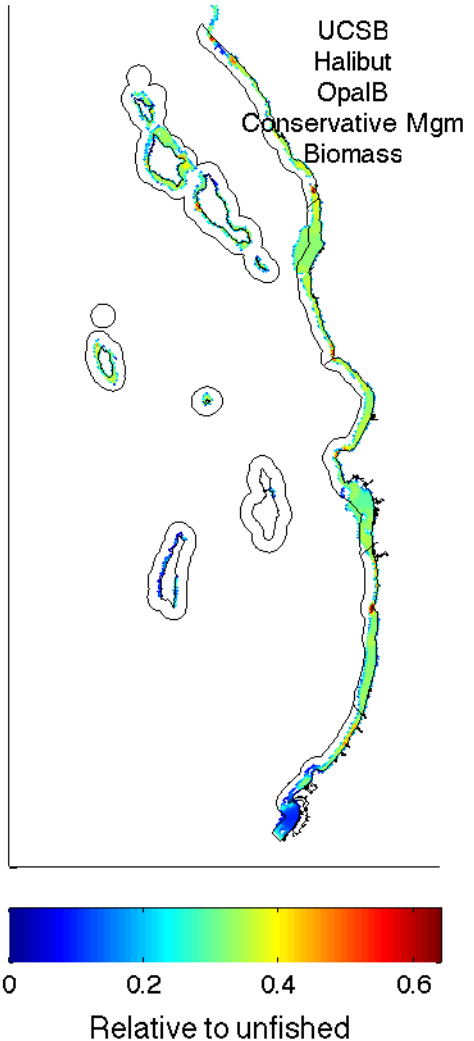

UCSB
BlackSurfperch
OpalB
MSY-type
Fishing effort
0
1
2
3
4
Relative to MSY maximum effort

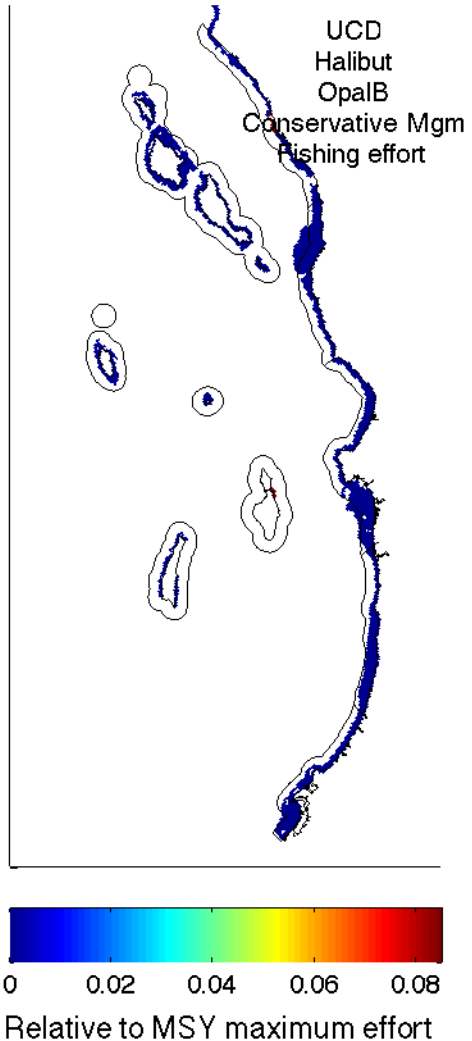

UCD
BlackSurfperch
OpalB
MSY-type
Larval Recruitment
0.2
0.4
0.6
Proportion of Maximum

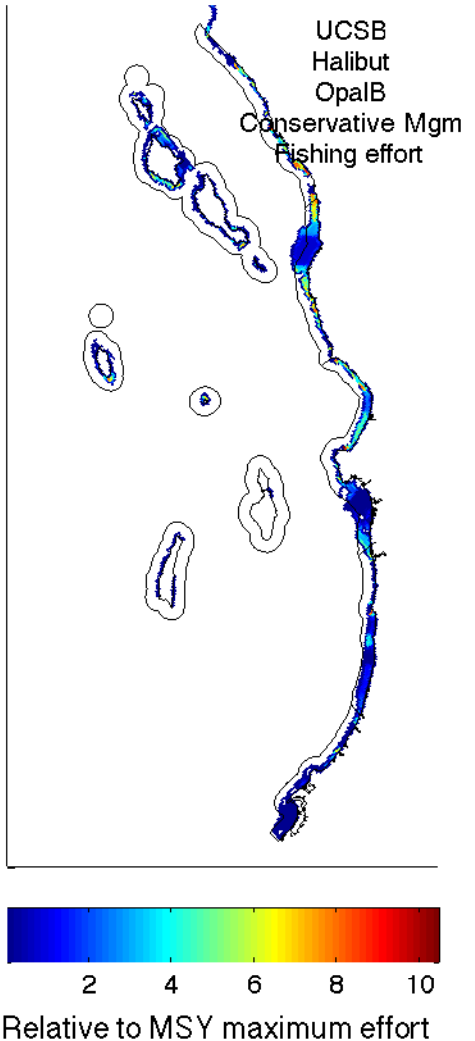

UCD
BlackSurfperch
OpalB
MSY-type
Fishing yield
0
0.2
0.4
0.6
0.8
Relative to MSY

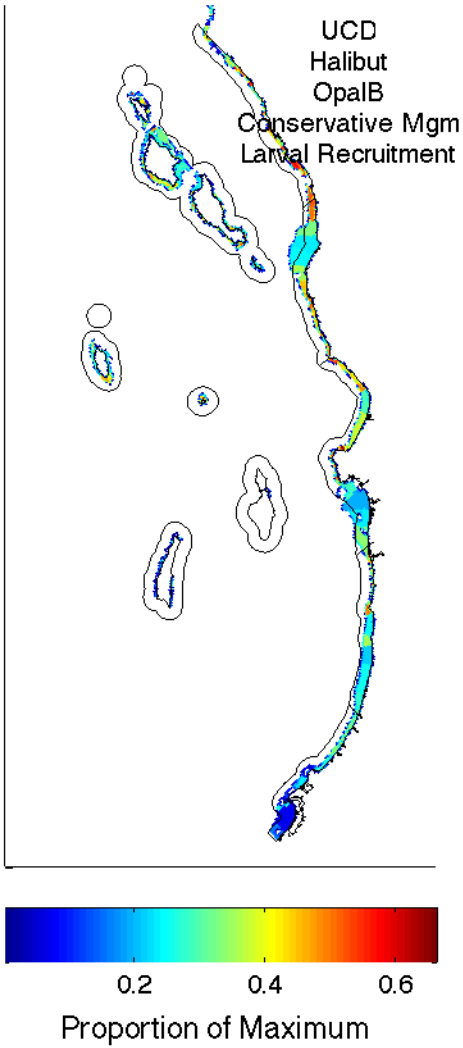

UCSB
BlackSurfperch
OpalB
MSY-type
Fishing yield
0
0.2
0.4
0.6
0.8
Relative to MSY

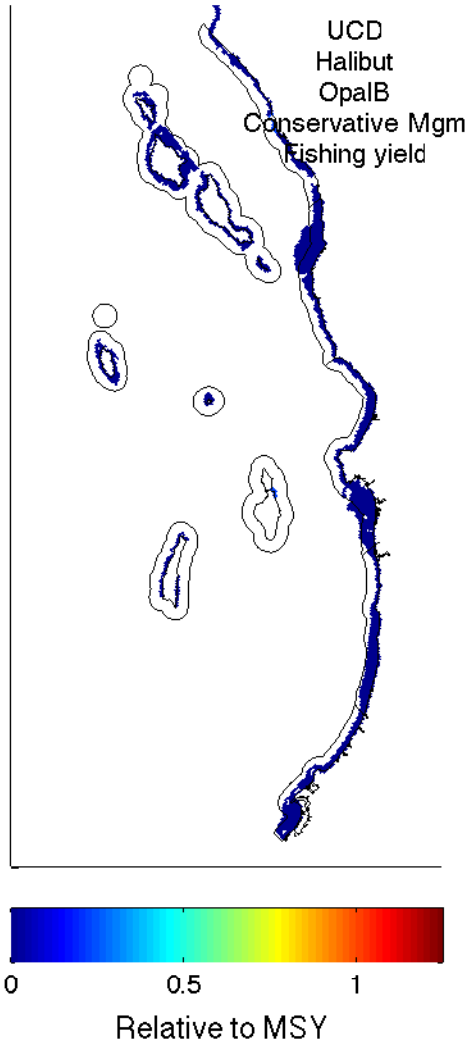

UCD
Halibut
OpalB
Conservative Mgm
Biomass
0
0.2
0.4
0.6
Relative to unfished

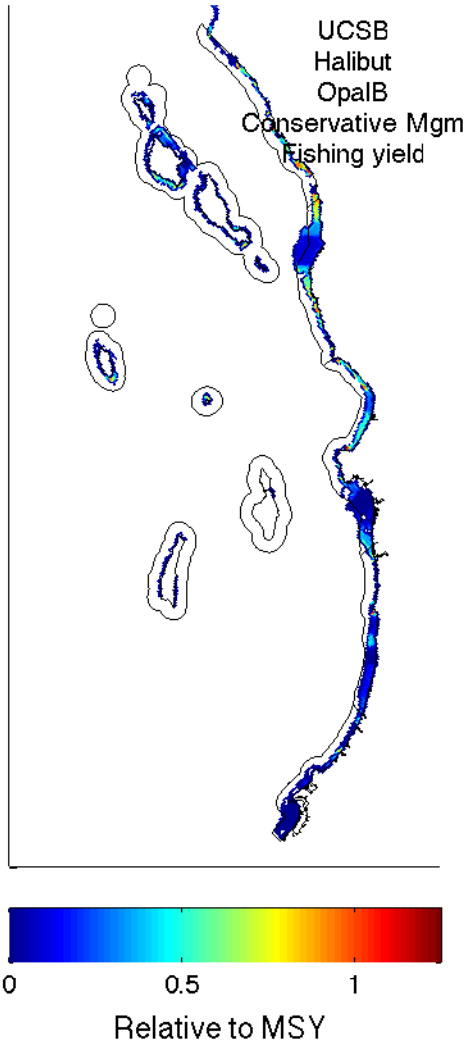

UCSB
Halibut
OpalB
Conservative Mgm
Biomass
0
0.2
0.4
0.6
Relative to unfished

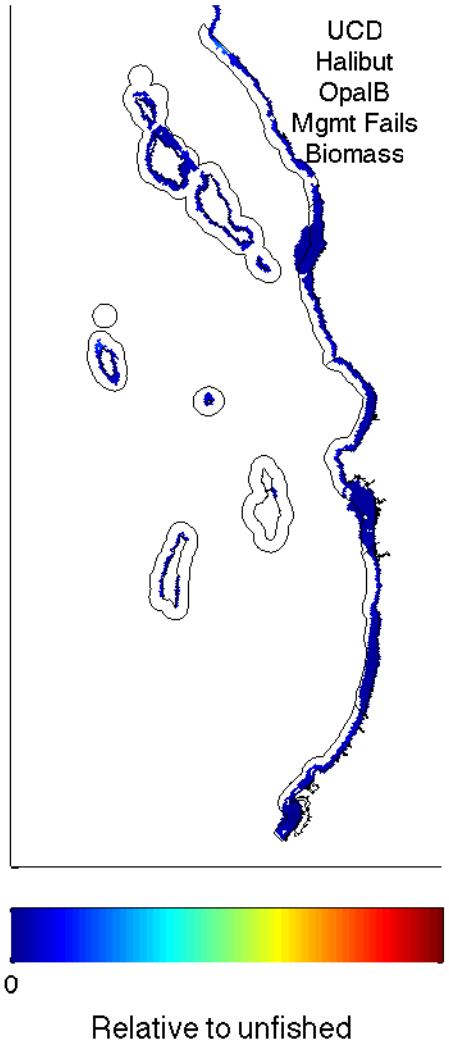

UCD
Halibut
OpalB
Conservative Mgm
Fishing effort
0
0.02
0.04
0.06
0.08
Relative to MSY maximum effort

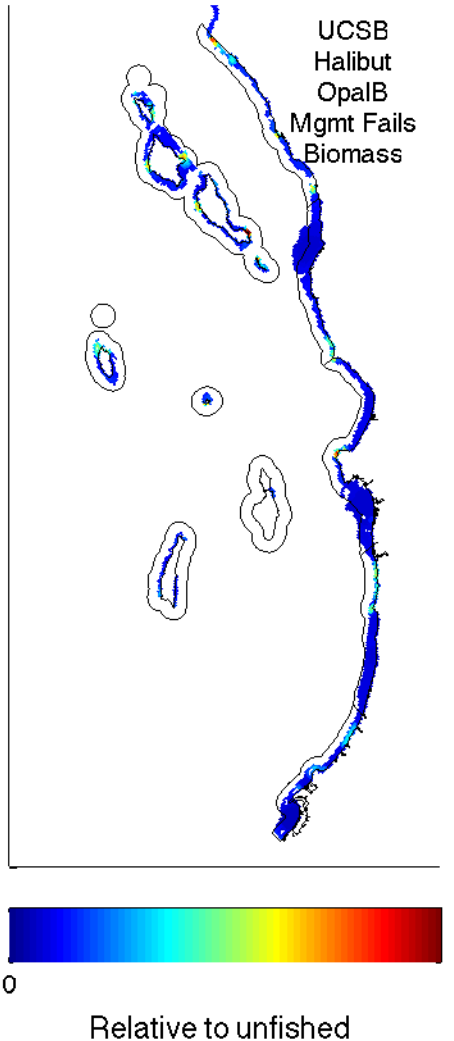

UCSB
Halibut
OpalB
Conservative Mgm
Fishing effort
2
4
6
8
10
Relative to MSY maximum effort

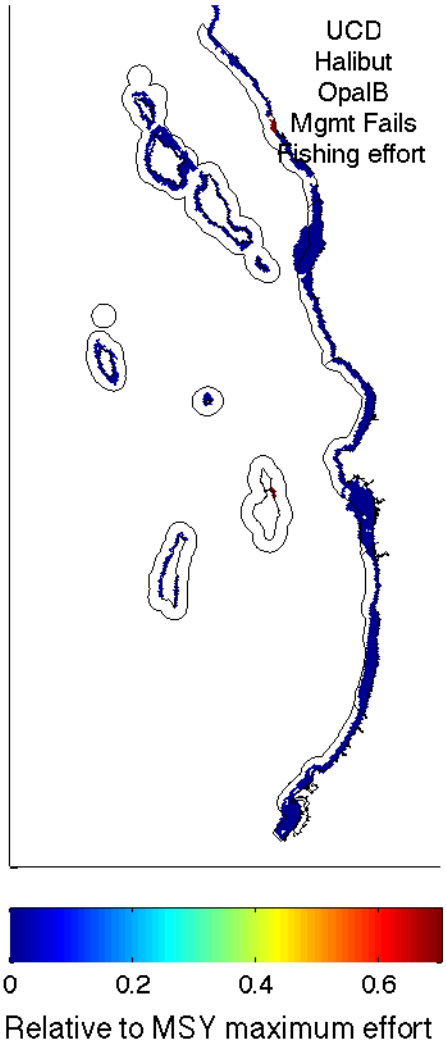

UCD
Halibut
OpalB
Conservative Mgm
Larval Recruitment
0.2
0.4
0.6
Proportion of Maximum

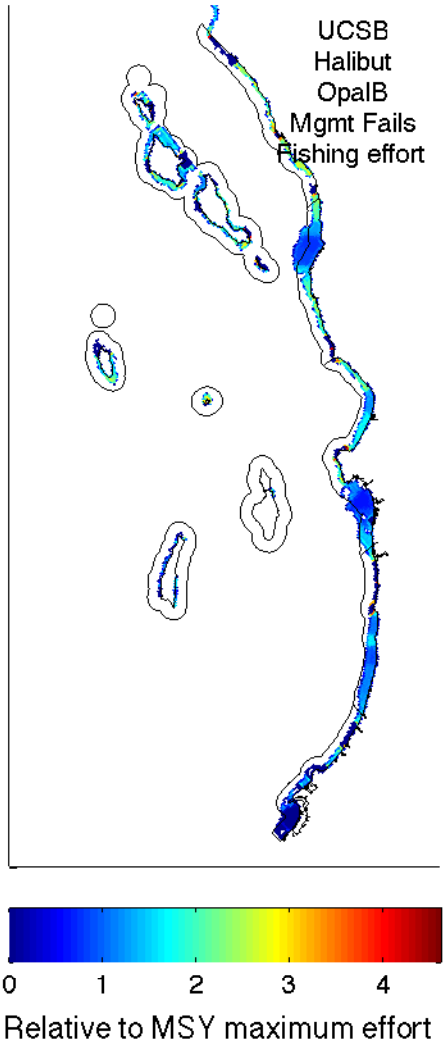

UCD
Halibut
OpalB
Conservative Mgm
Fishing yield
0
0.5
1
Relative to MSY

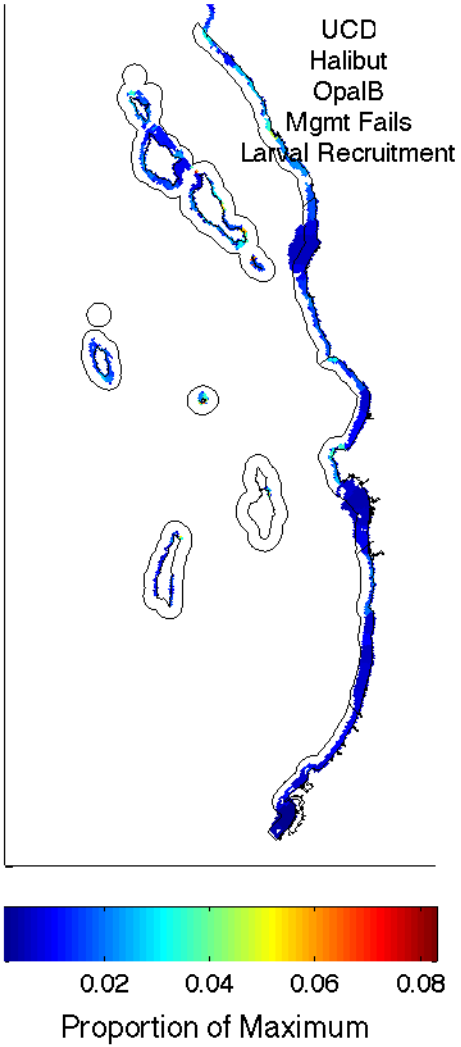

UCSB
Halibut
OpalB
Conservative Mgm
Fishing yield
0
0.5
1
Relative to MSY

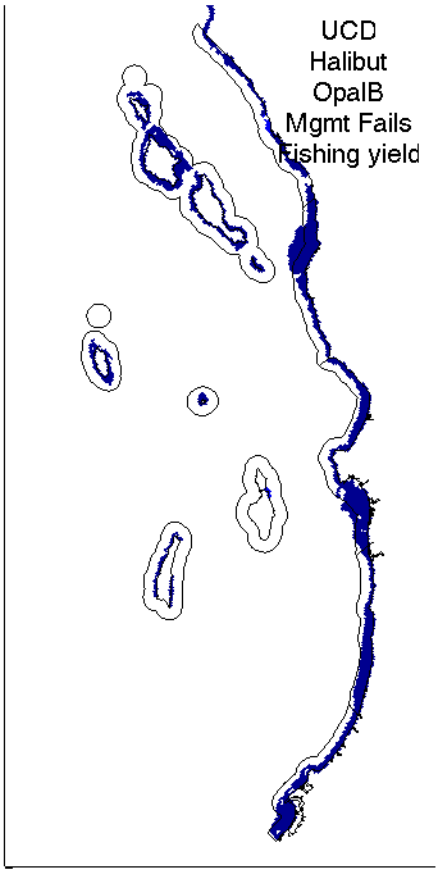

UCD
Halibut
OpalB
Mgmt Fails
Biomass
0
Relative to unfished


UCSB
Halibut
OpalB
Mgmt Fails
Biomass
0
Relative to unfished

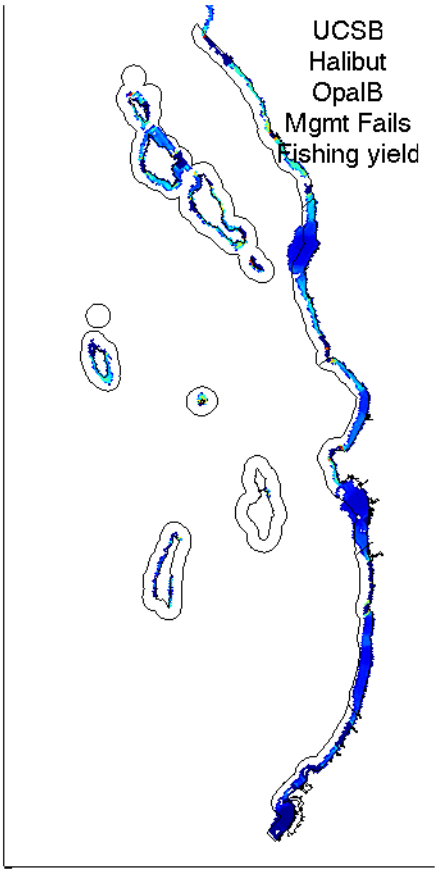

UCD
Halibut
OpalB
Mgmt Fails
Fishing effort
0
0.2
0.4
0.6
Relative to MSY maximum effort


UCSB
Halibut
OpalB
Mgmt Fails
Fishing effort
0
1
2
3
4
Relative to MSY maximum effort

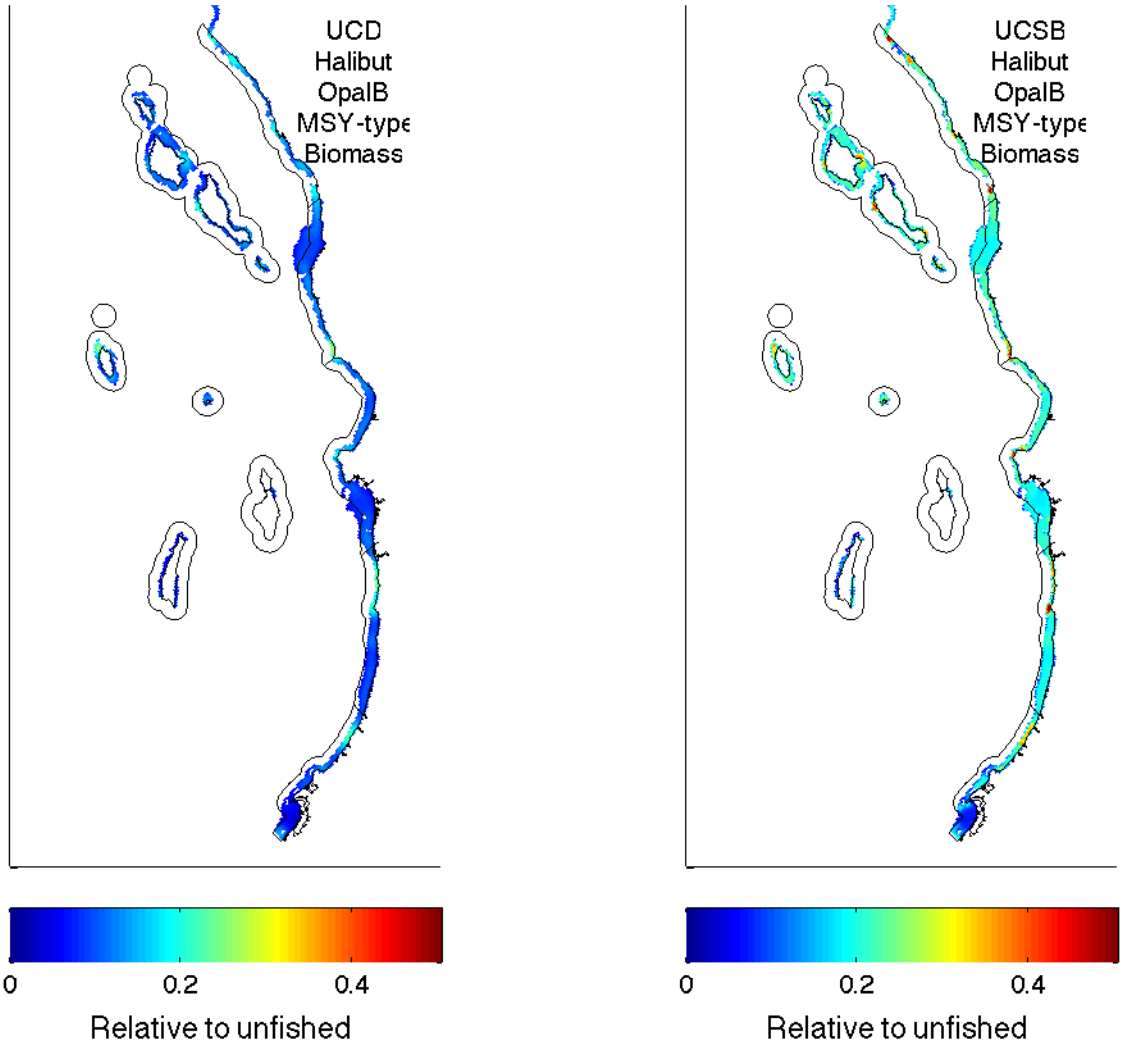

UCD
Halibut
OpalB
Mgmt Fails
Larval Recruitment
0.02
0.04
0.06
0.08
Proportion of Maximum

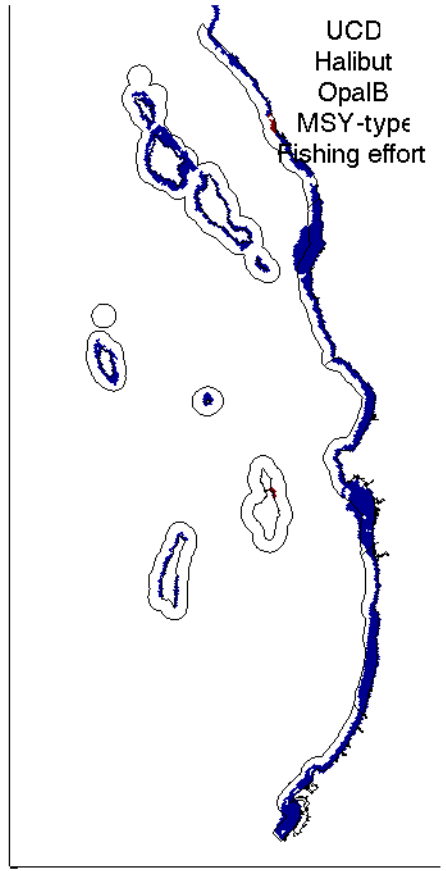


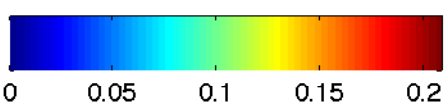
Relative to MSY



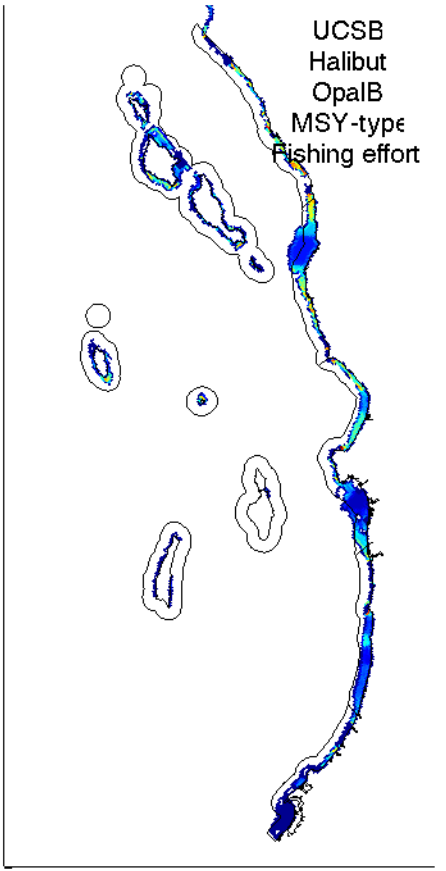
Relative to MSY

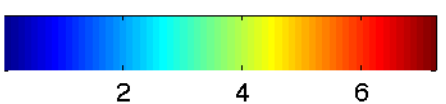

UCD
Halibut
OpalB
MSY-type
Biomass
0
0.2
0.4
Relative to unfished
UCSB
Halibut
OpalB
MSY-type
Biomass
0
0.2
0.4
Relative to unfished



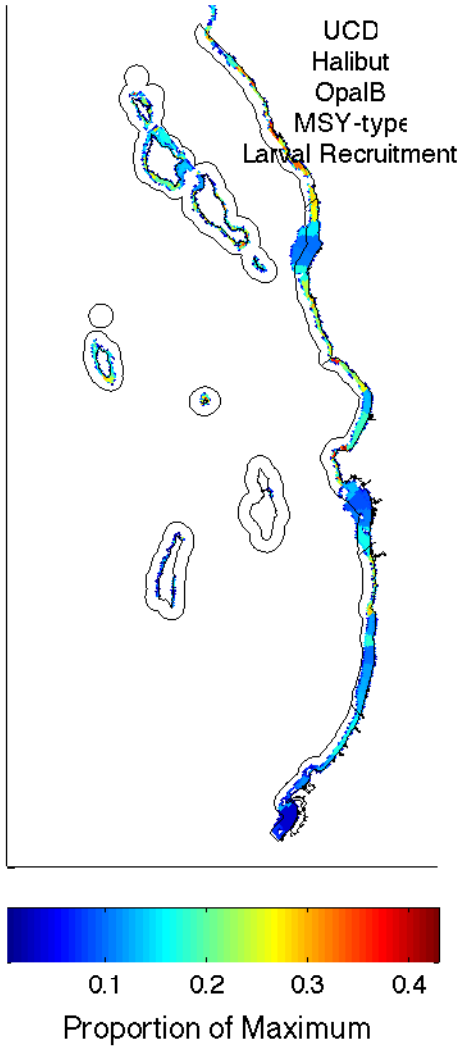


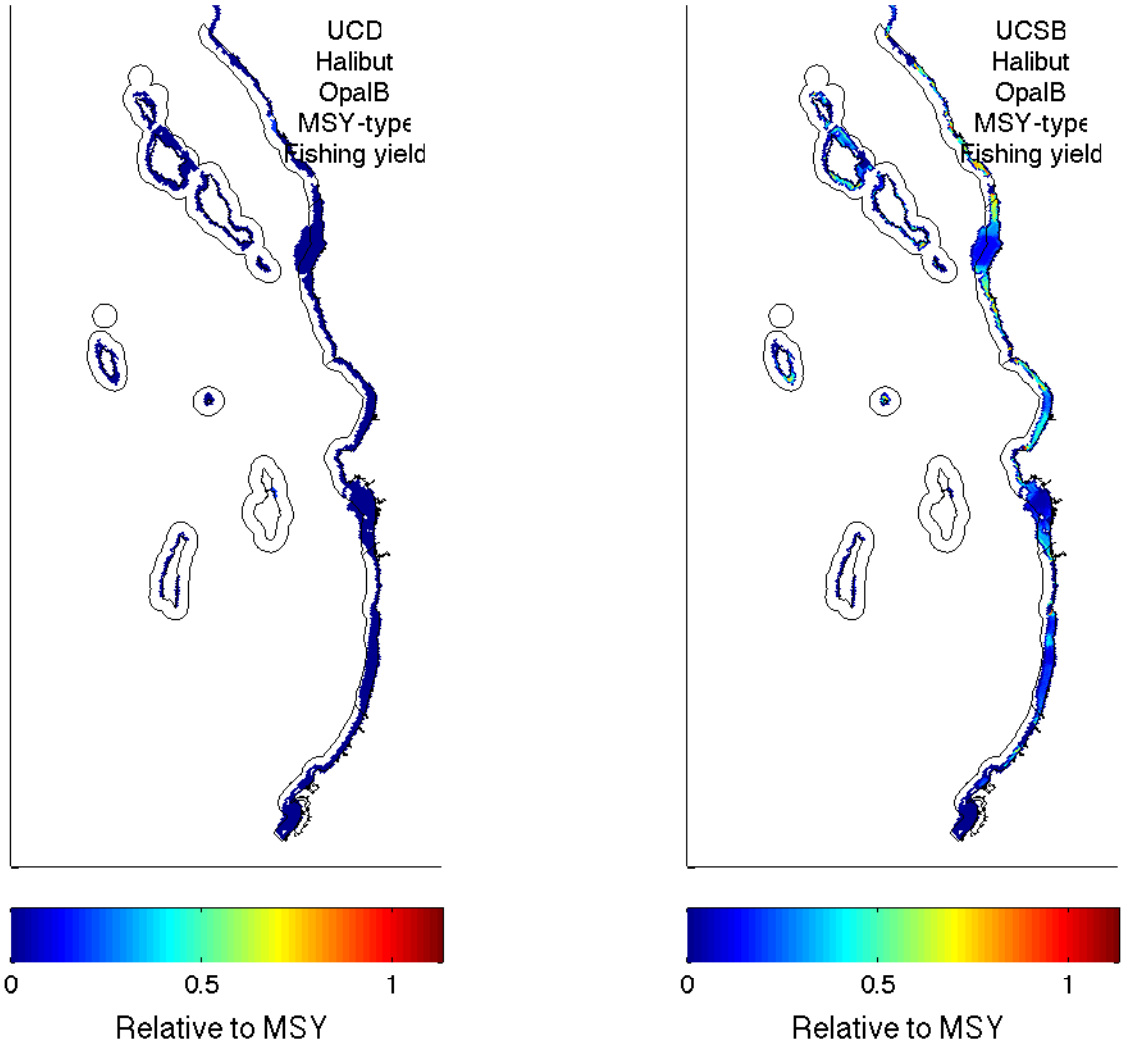
Relative to MSY maximum effort

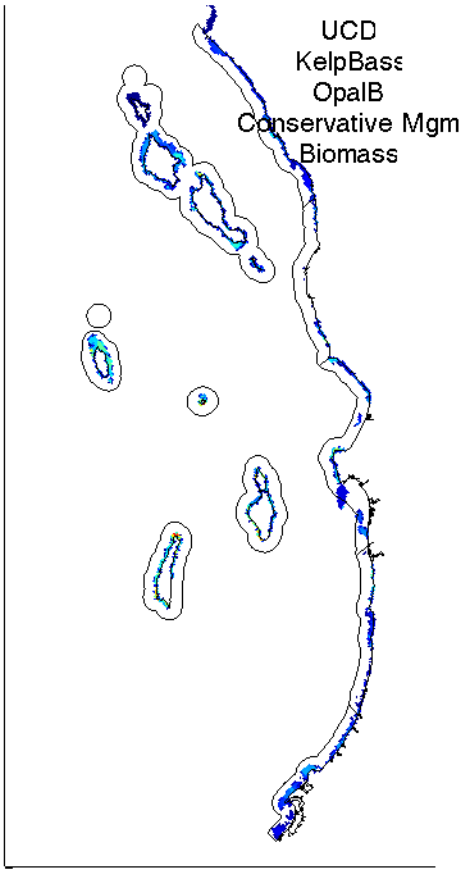


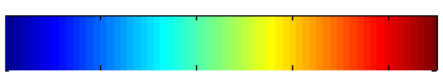


Relative to MSY maximum effort

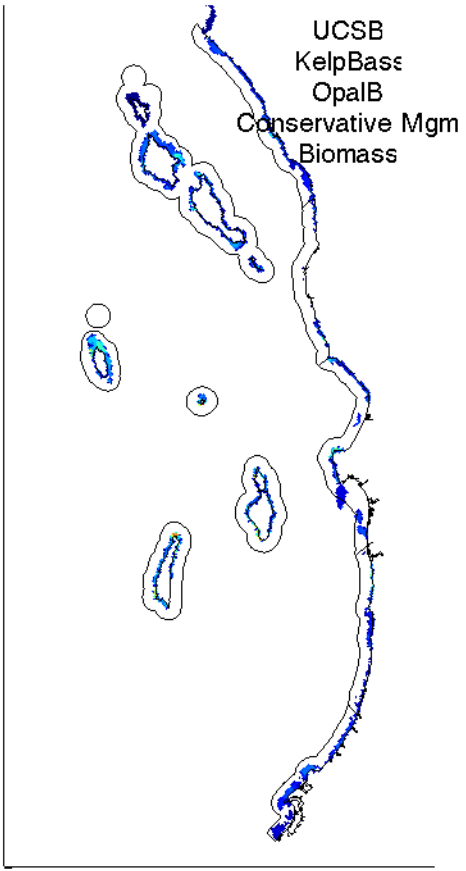

UCD
Halibut
OpalB
MSY-type
Larval Recruitment
0.1
0.2
0.3
0.4
Proportion of Maximum

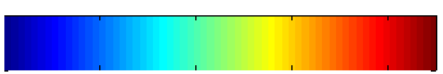

UCD
Halibut
OpalB
MSY-type
Fishing yield
0
0.5
1
Relative to MSY
UCSB
Halibut
OpalB
MSY-type
Fishing yield
0
0.5
1
Relative to MSY



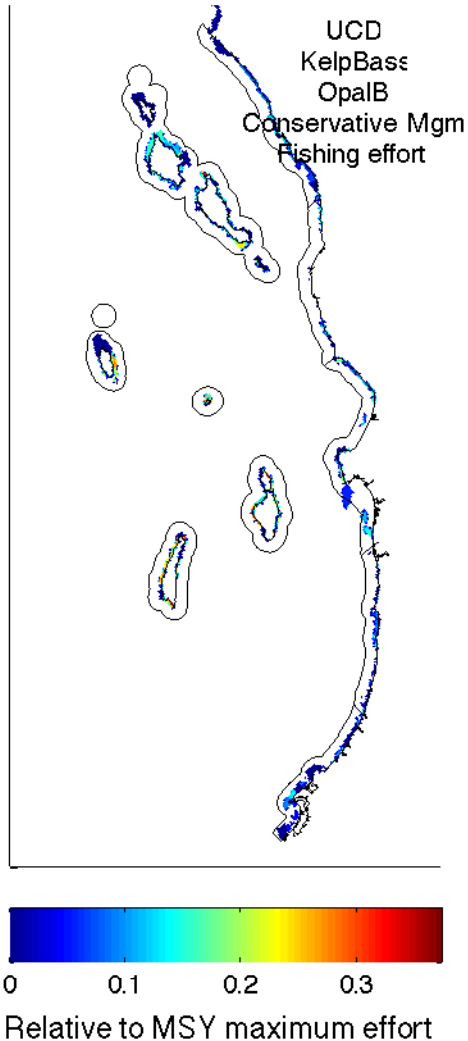


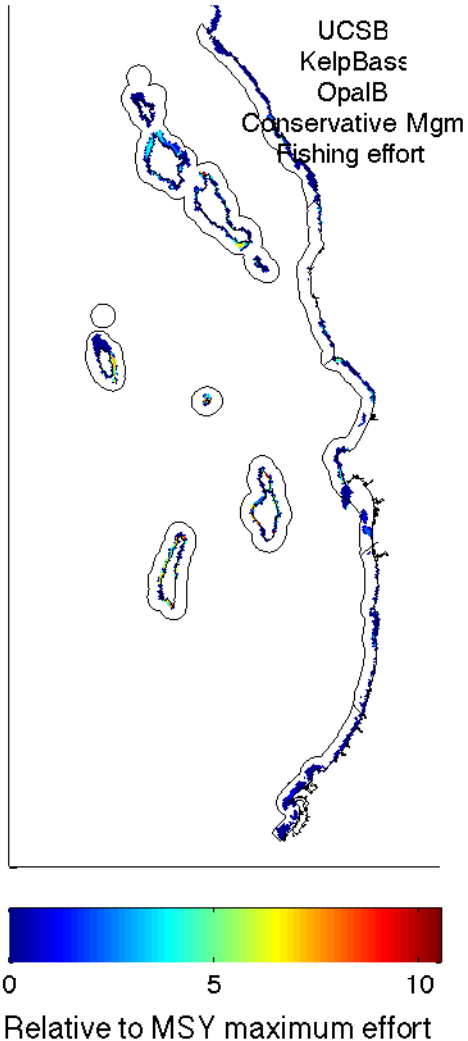
Relative to unfished

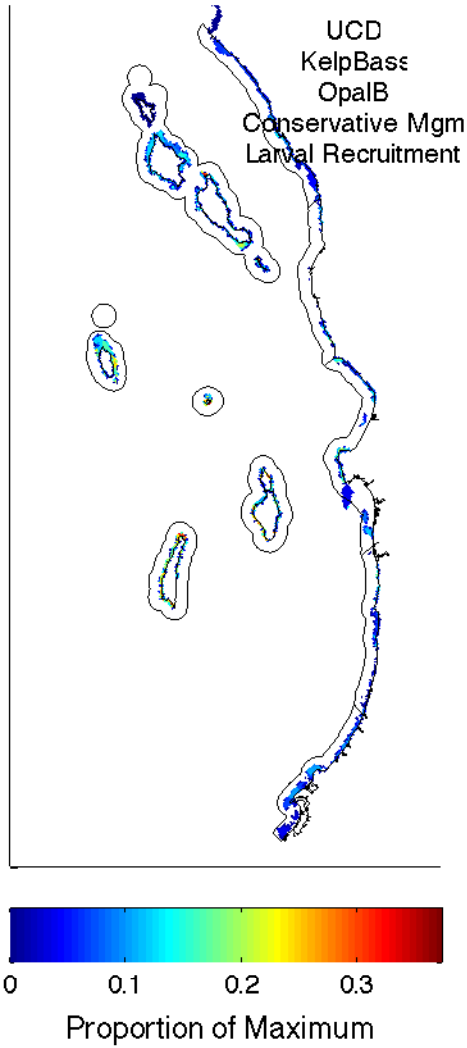


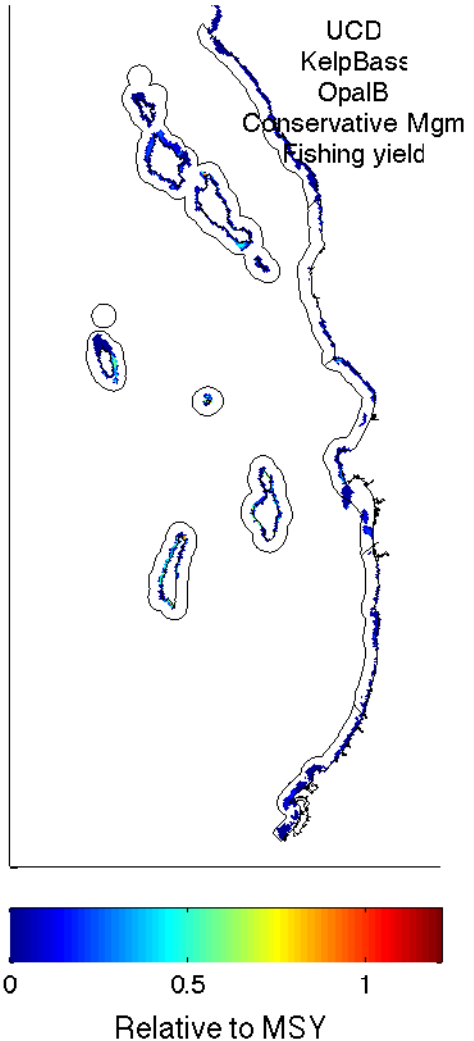


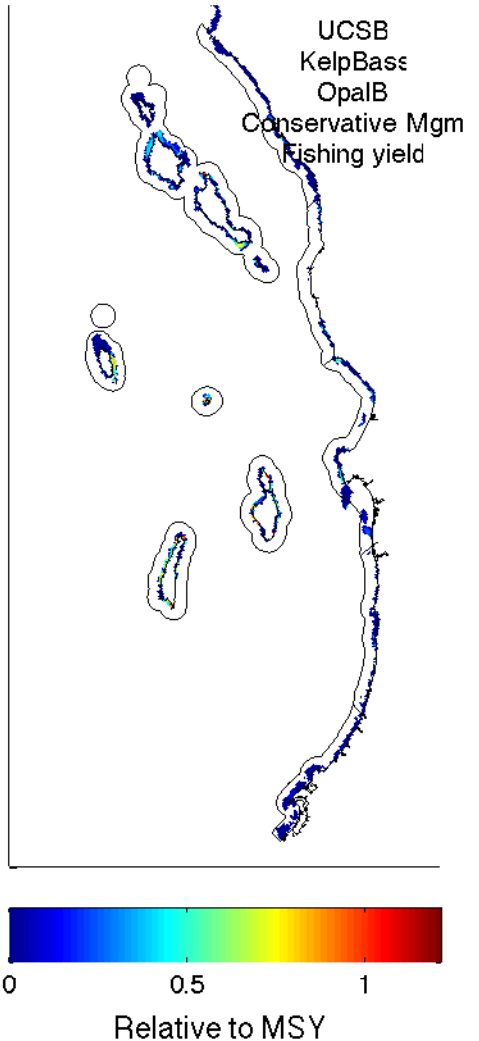
Relative to unfished

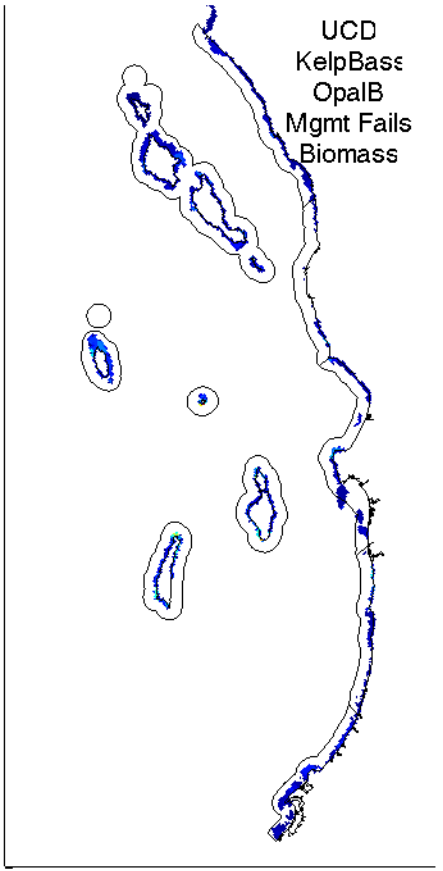

UCD
KelpBass
OpalB
Conservative Mgm
Fishing effort
0
0.1
0.2
0.3
Relative to MSY maximum effort

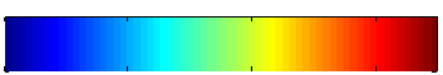

UCSB
KelpBass
OpalB
Conservative Mgm
Fishing effort
0
5
10
Relative to MSY maximum effort


UCD
KelpBass
OpalB
Conservative Mgm
Larval Recruitment
0
0.1
0.2
0.3
Proportion of Maximum

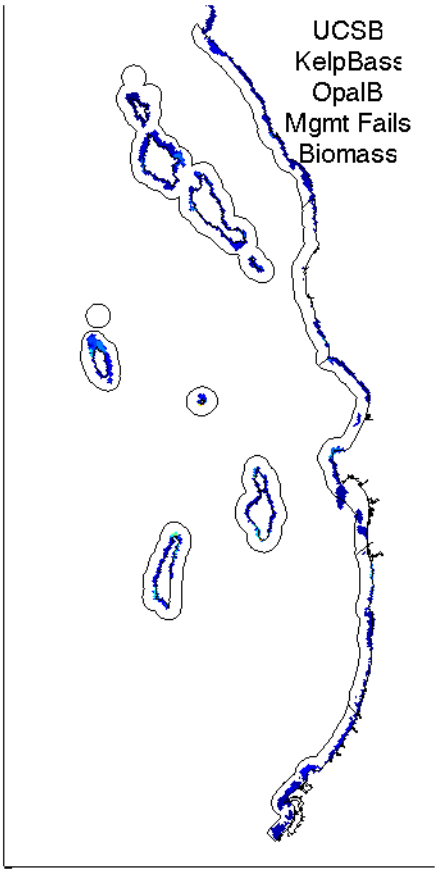

UCD
KelpBass
OpalB
Conservative Mgm
Fishing yield
0
0.5
1
Relative to MSY

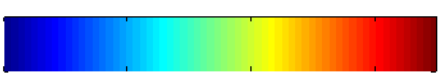

UCSB
KelpBass
OpalB
Conservative Mgm
Fishing yield
0
0.5
1
Relative to MSY



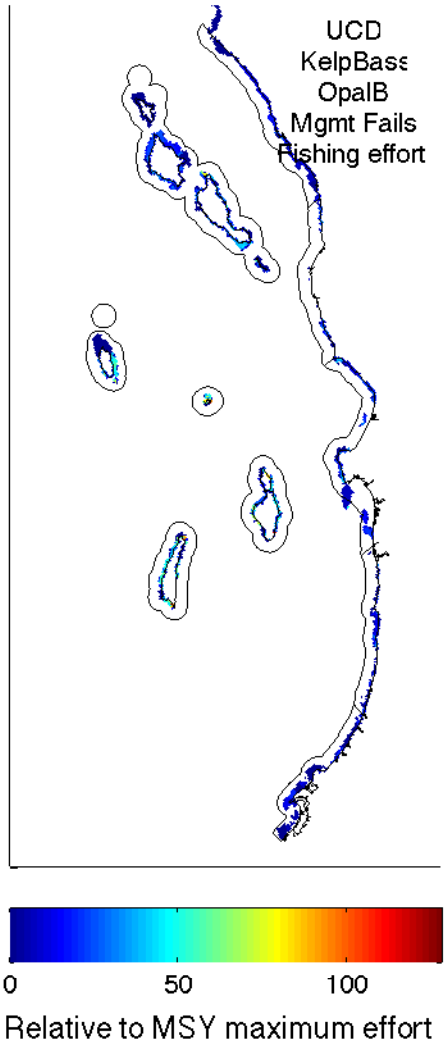


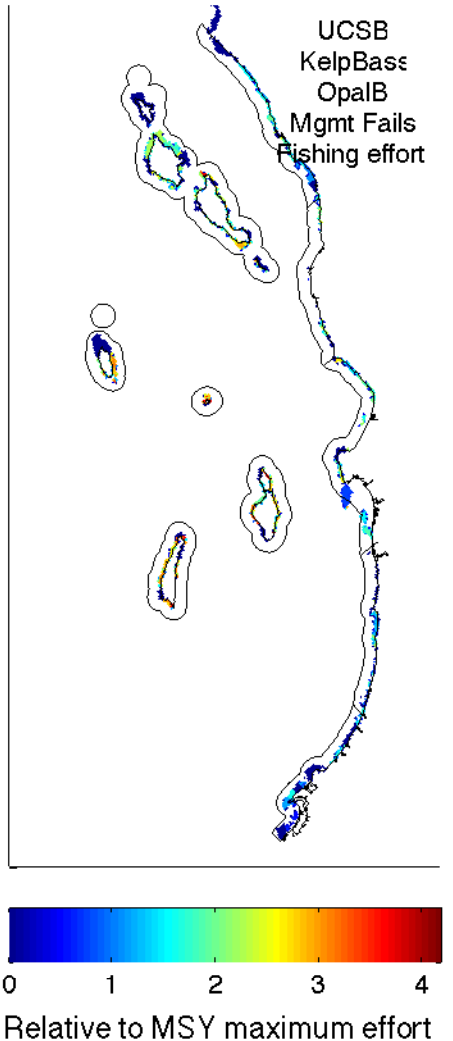
Relative to unfished

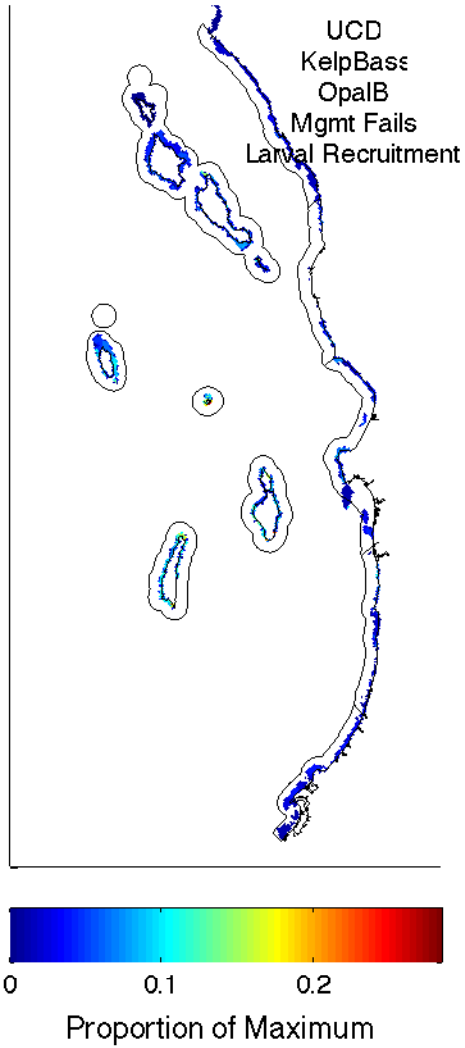


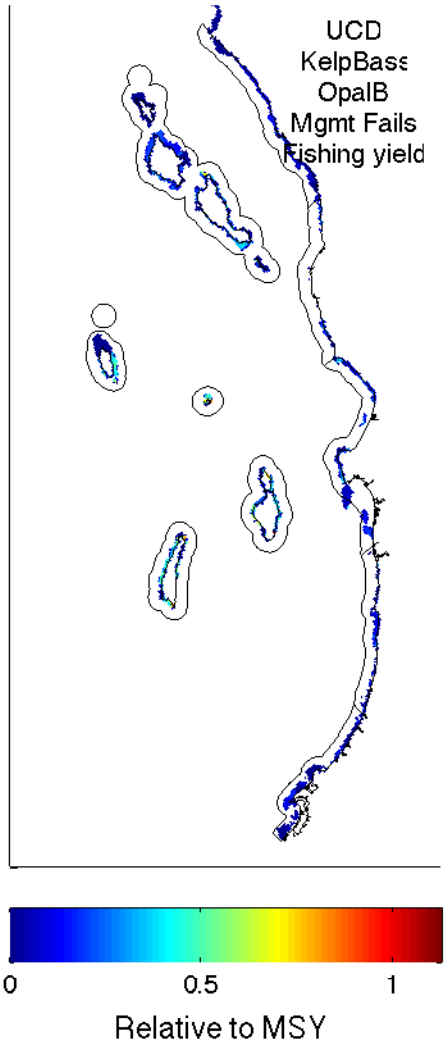


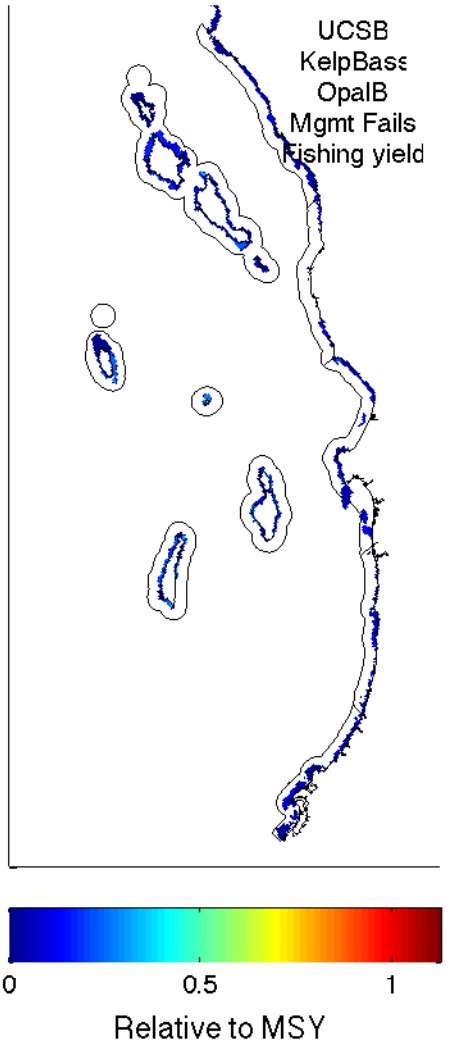
Relative to unfished

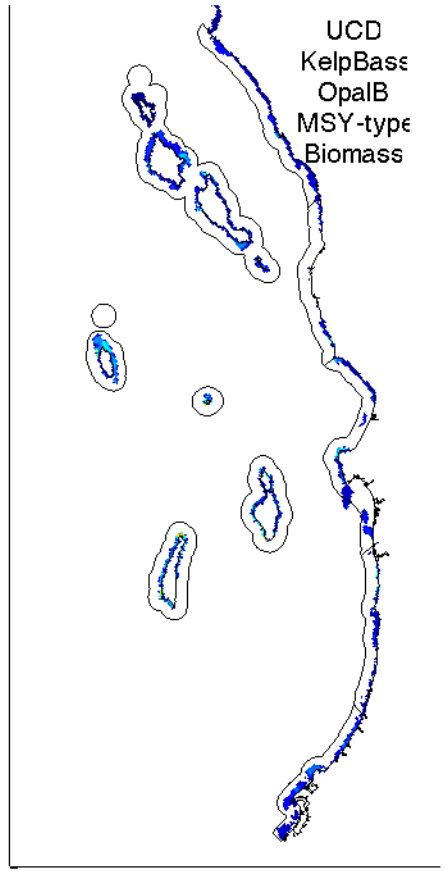

UCD
KelpBass
OpalB
Mgmt Fails
Fishing effort
0
50
100
Relative to MSY maximum effort

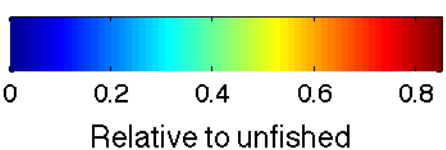

UCSB
KelpBass
OpalB
Mgmt Fails
Fishing effort
0
1
2
3
4
Relative to MSY maximum effort

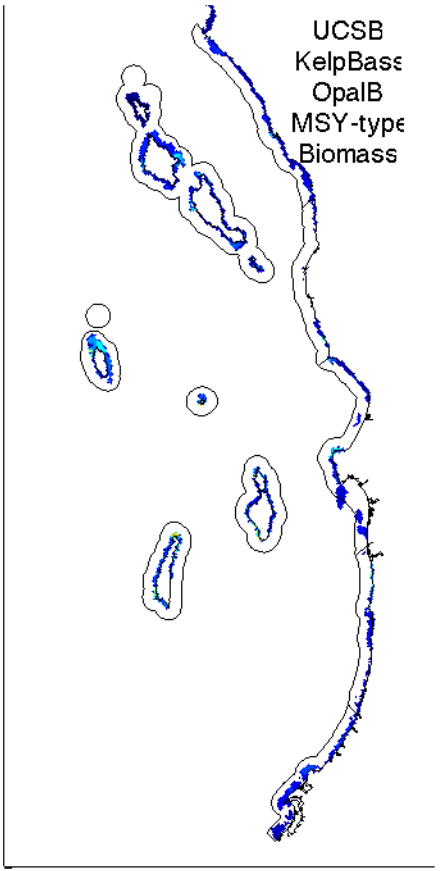

UCD
KelpBass
OpalB
Mgmt Fails
Larval Recruitment
0
0.1
0.2
Proportion of Maximum

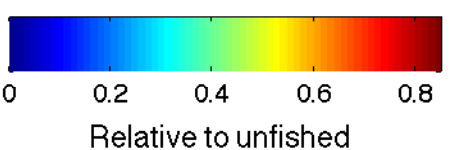

UCD
KelpBass
OpalB
Mgmt Fails
Fishing yield
0
0.5
1
Relative to MSY

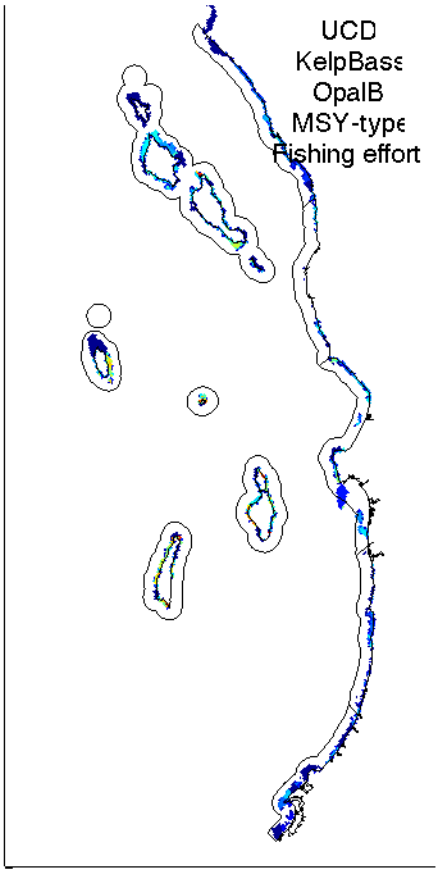

UCSB
KelpBass
OpalB
Mgmt Fails
Fishing yield
0
0.5
1
Relative to MSY

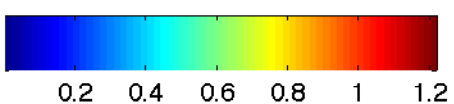

UCD
KelpBass
OpalB
MSY-type
Biomass


0
0.2
0.4
0.6
0.8
Relative to unfished

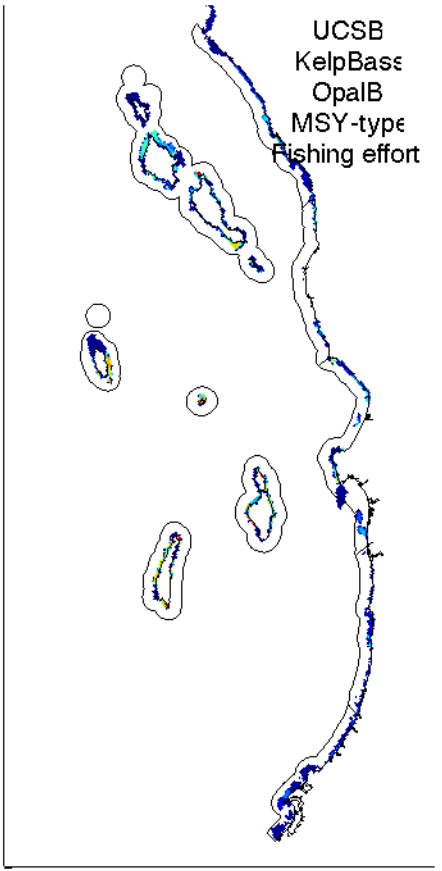

UCSB
KelpBass
OpalB
MSY-type
Biomass

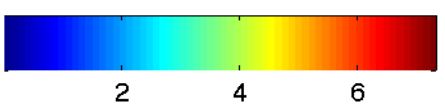

0
0.2
0.4
0.6
0.8
Relative to unfished



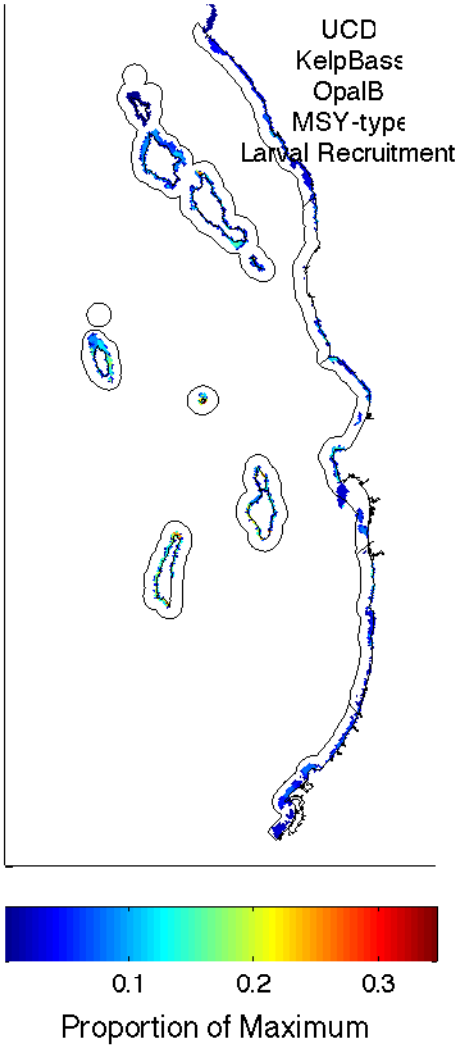


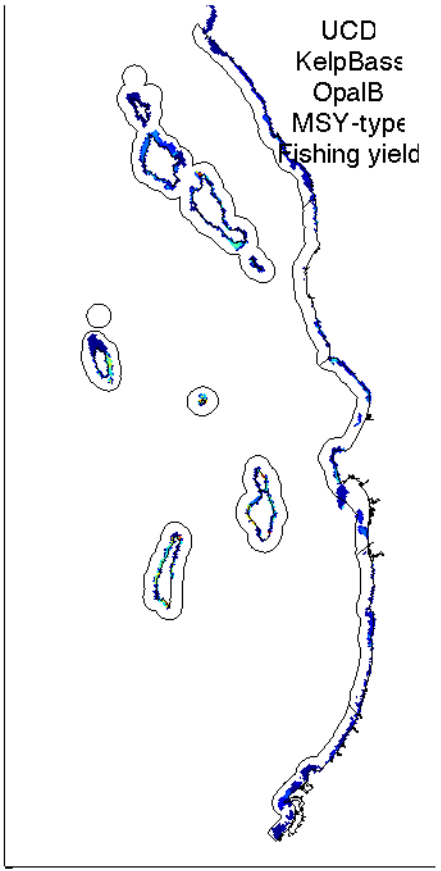
Relative to MSY maximum effort

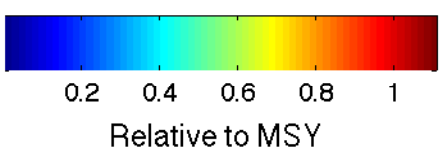


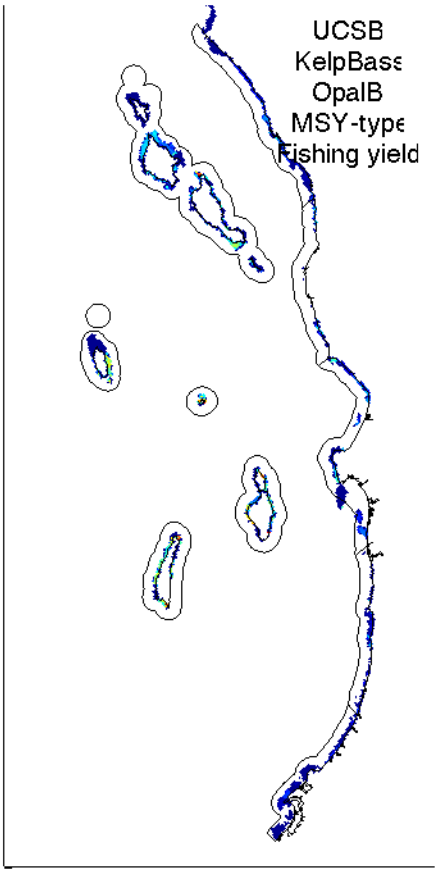


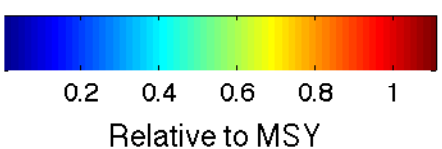
Relative to MSY maximum effort

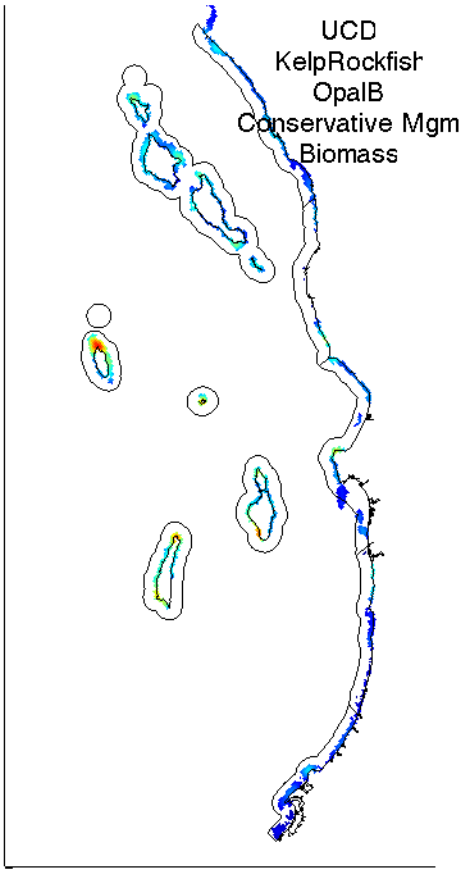

UCD
KelpBass
OpalB
MSY-type
Larval Recruitment
0.1
0.2
0.3
Proportion of Maximum

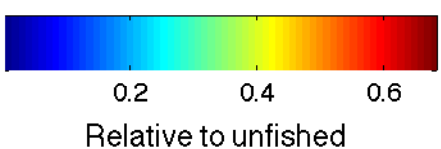

UCD
KelpBass
OpalB
MSY-type
Fishing yield

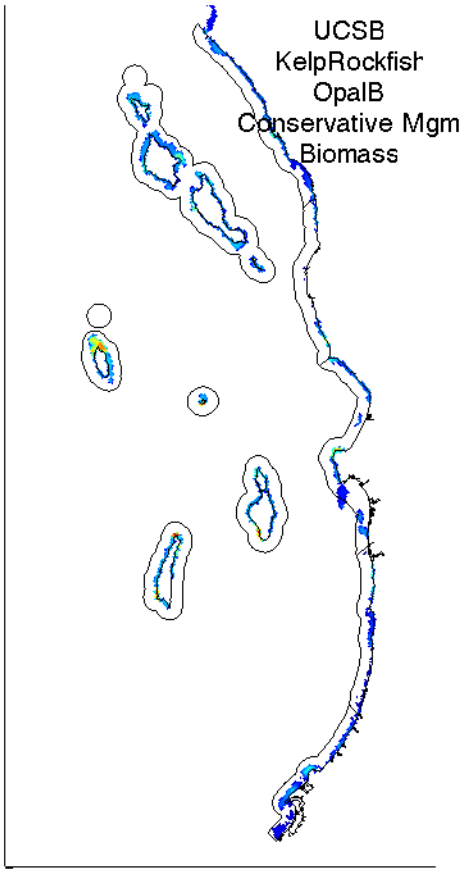

0.2
0.4
0.6
0.8
1
Relative to MSY

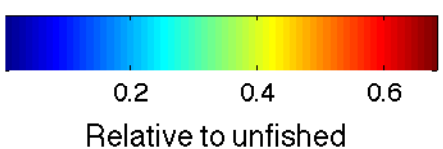

UCSB
KelpBass
OpalB
MSY-type
Fishing yield

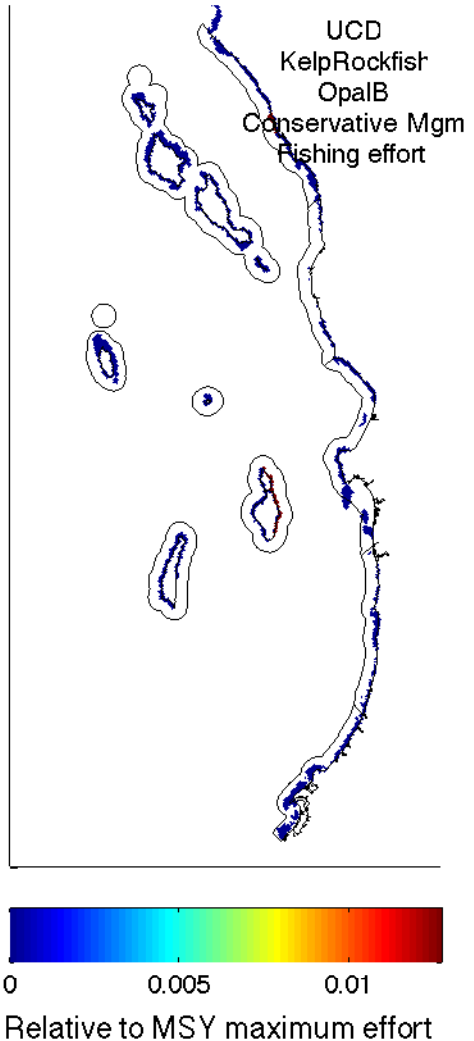

0.2
0.4
0.6
0.8
1
Relative to MSY

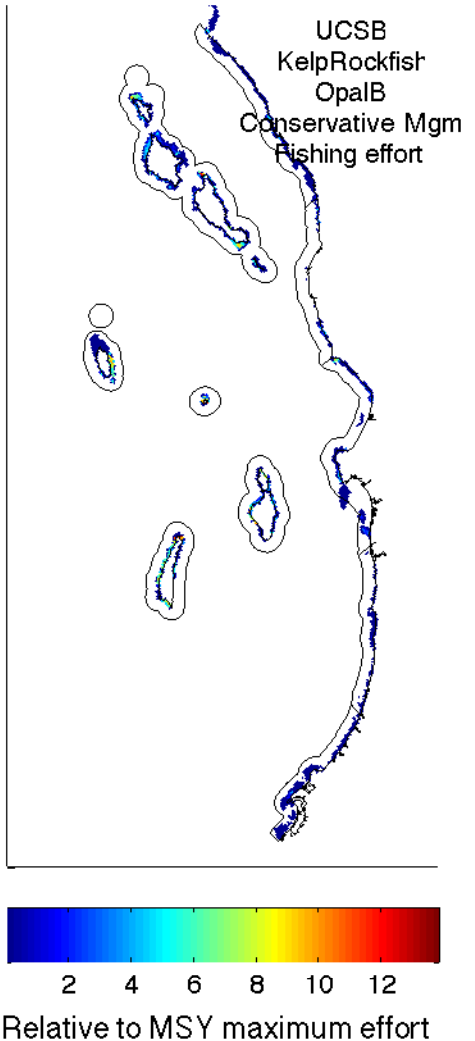

UCD
KelpRockfish
OpalB
Conservative Mgm
Biomass

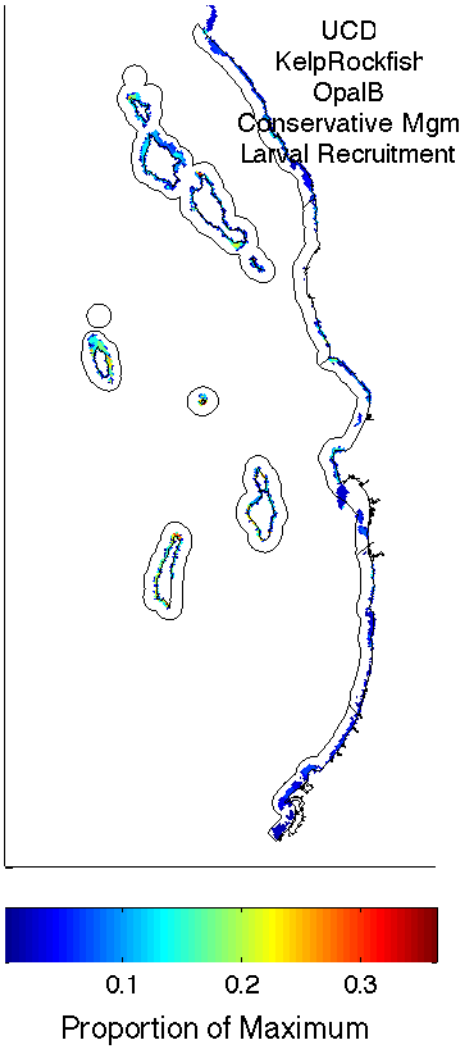

0.2
0.4
0.6
Relative to unfished

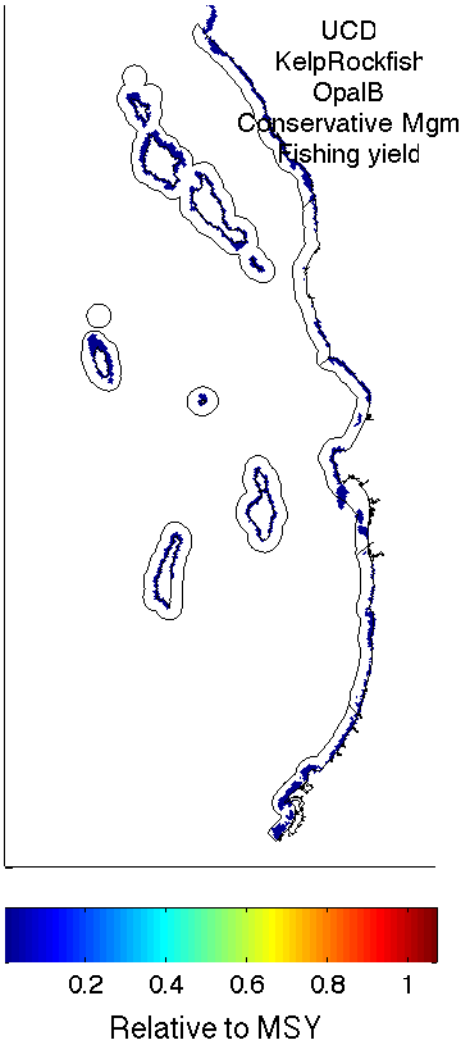

UCSB
KelpRockfish
OpalB
Conservative Mgm
Biomass

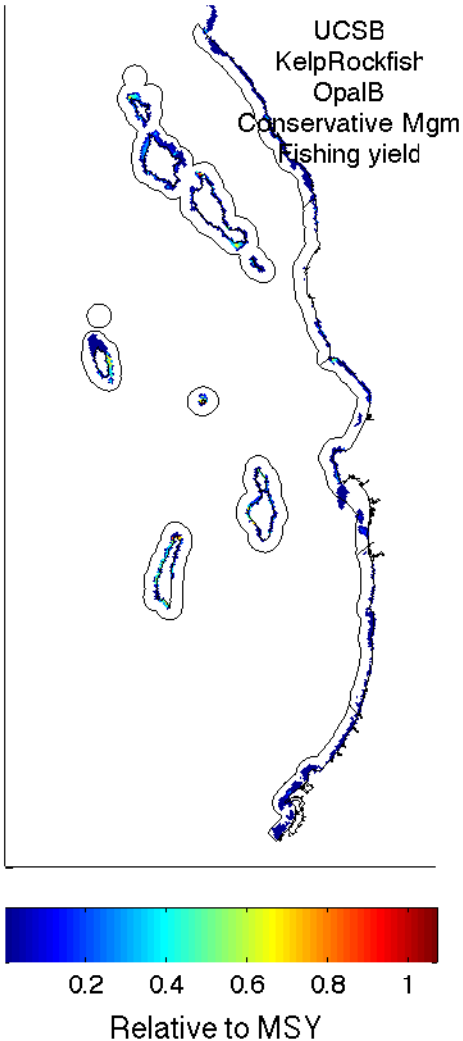

0.2
0.4
0.6
Relative to unfished

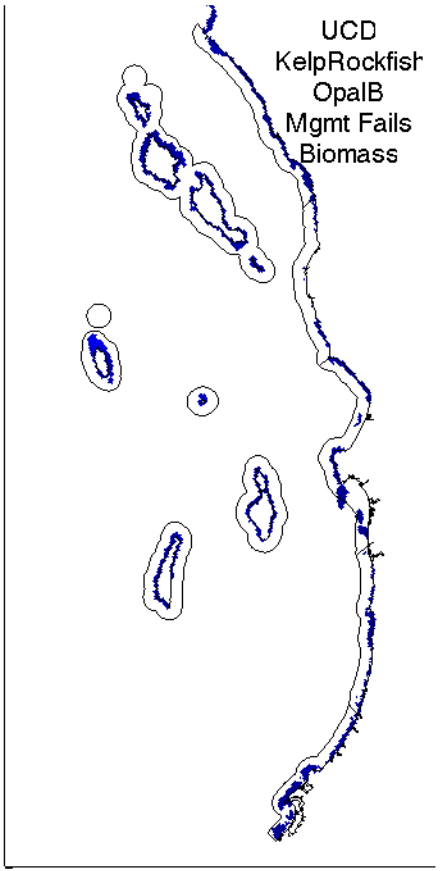

UCD
KelpRockfish
OpalB
Conservative Mgm
Fishing effort
0
0.005
0.01
Relative to MSY maximum effort


UCSB
KelpRockfish
OpalB
Conservative Mgm
Fishing effort
2
4
6
8
10
12
Relative to MSY maximum effort

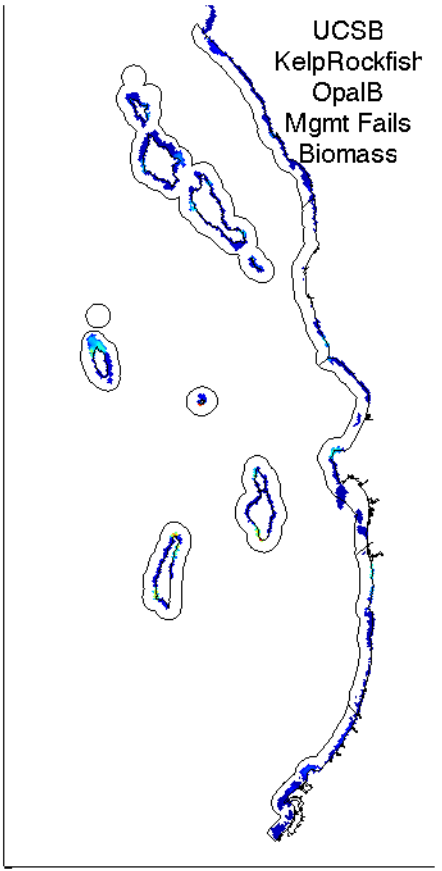

UCD
KelpRockfish
OpalB
Conservative Mgm
Larval Recruitment
0.1
0.2
0.3
Proportion of Maximum


UCD
KelpRockfish
OpalB
Conservative Mgm
Fishing yield
0.2
0.4
0.6
0.8
1
Relative to MSY

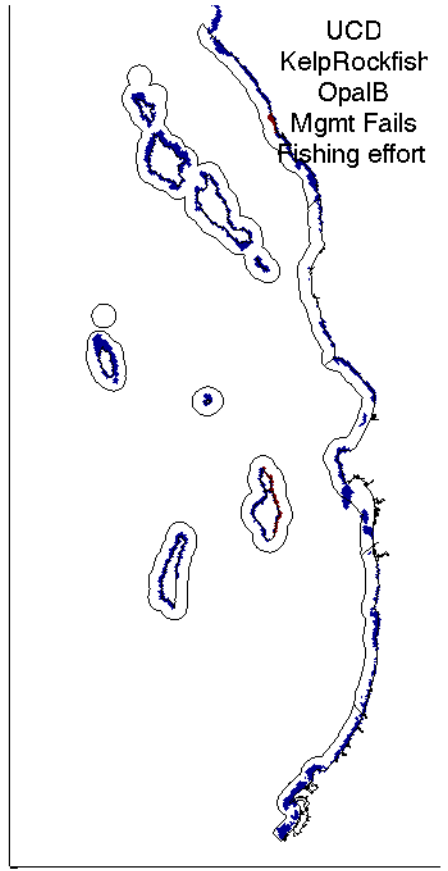

UCSB
KelpRockfish
OpalB
Conservative Mgm
Fishing yield
0.2
0.4
0.6
0.8
1
Relative to MSY

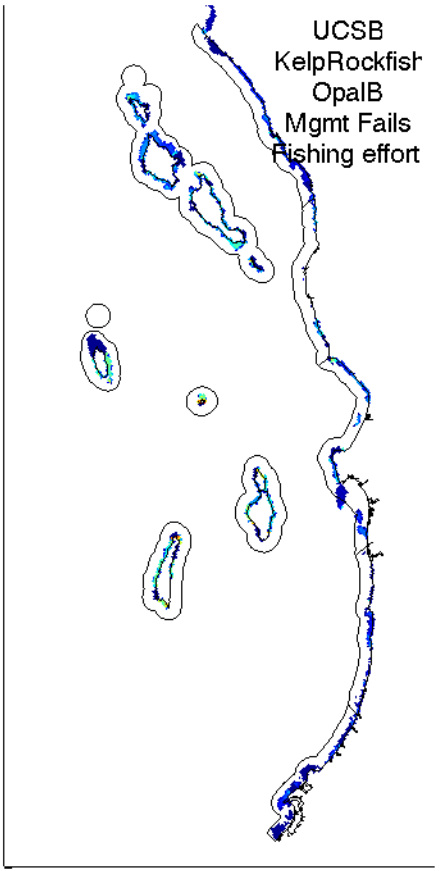


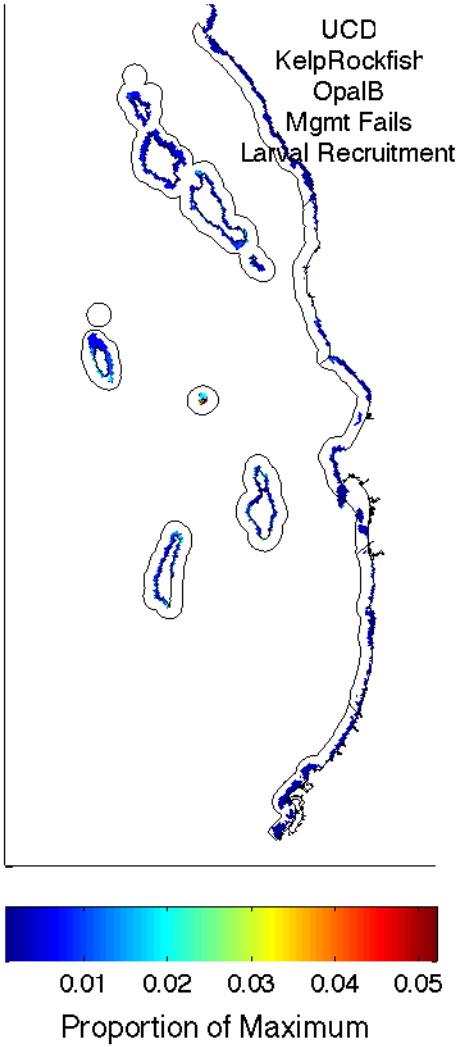
Relative to unfished

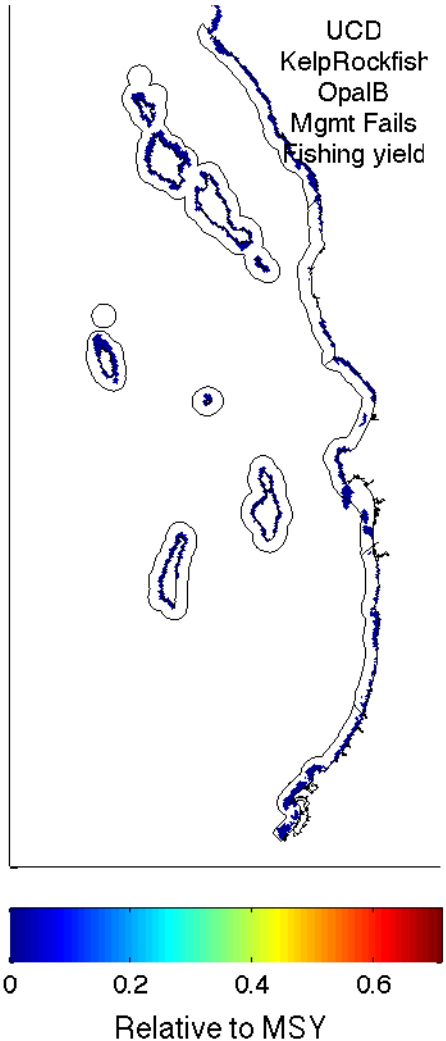


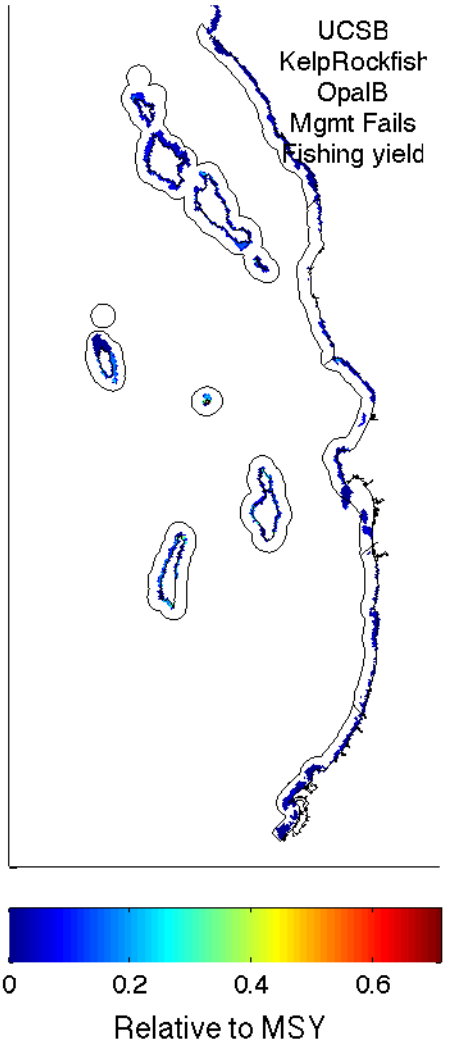
Relative to unfished

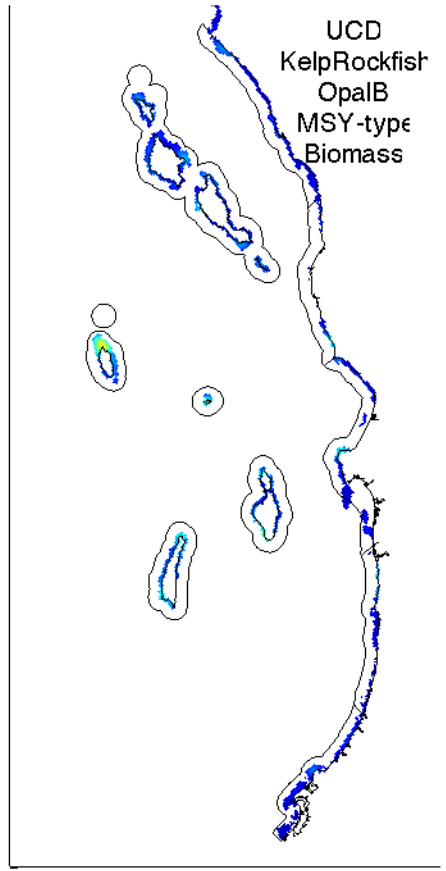

UCD
KelpRockfish
OpalB
Mgmt Fails
Fishing effort
0
0.05
0.1
Relative to MSY maximum effort

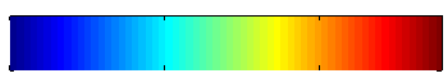

UCSB
KelpRockfish
OpalB
Mgmt Fails
Fishing effort
0
2
4
6
Relative to MSY maximum effort


UCD
KelpRockfish
OpalB
Mgmt Fails
Larval Recruitment
0.01
0.02
0.03
0.04
0.05
Proportion of Maximum

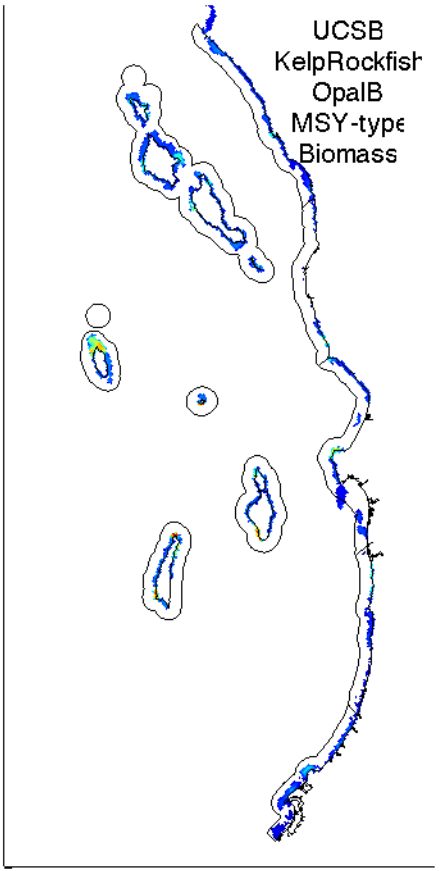

UCD
KelpRockfish
OpalB
Mgmt Fails
Fishing yield
0
0.2
0.4
0.6
Relative to MSY


UCSB
KelpRockfish
OpalB
Mgmt Fails
Fishing yield
0
0.2
0.4
0.6
Relative to MSY

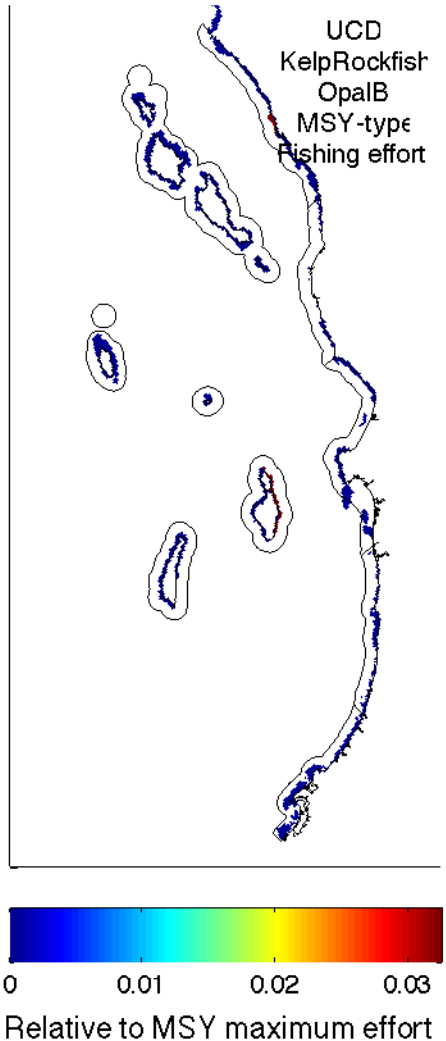


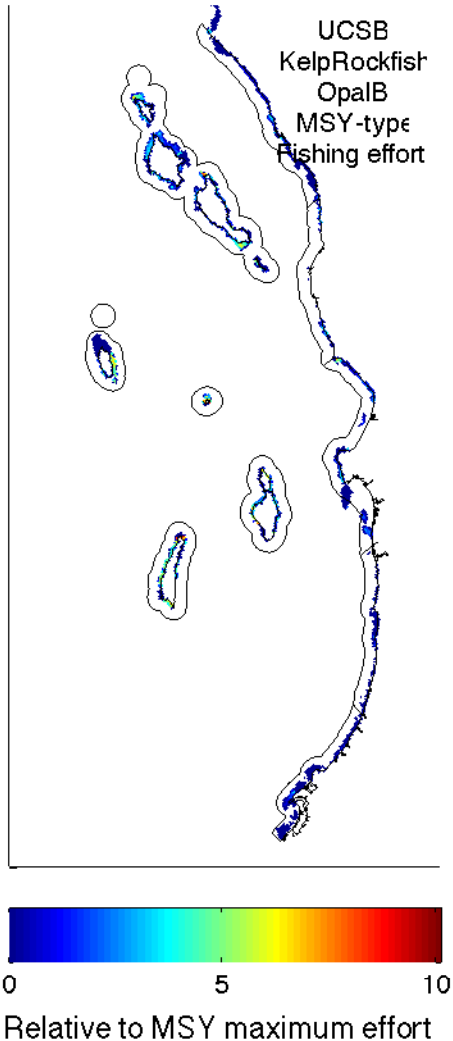


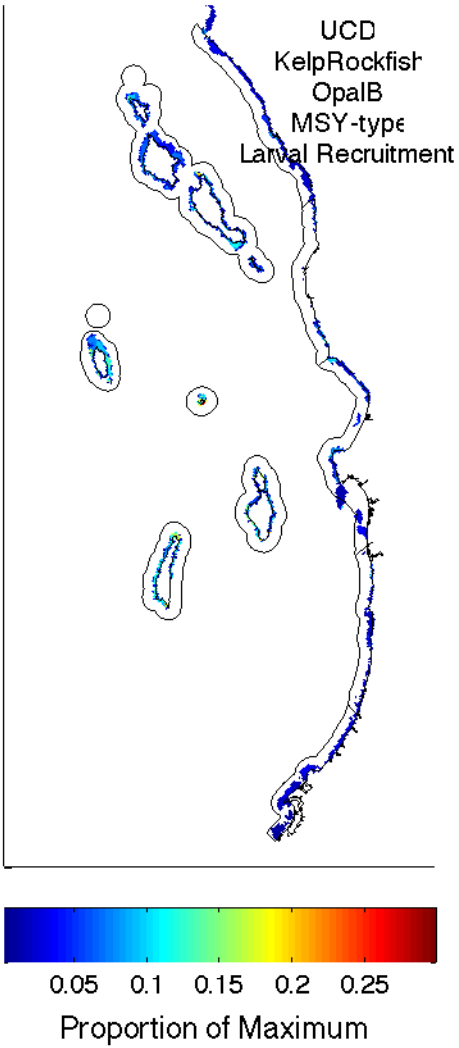
Relative to unfished

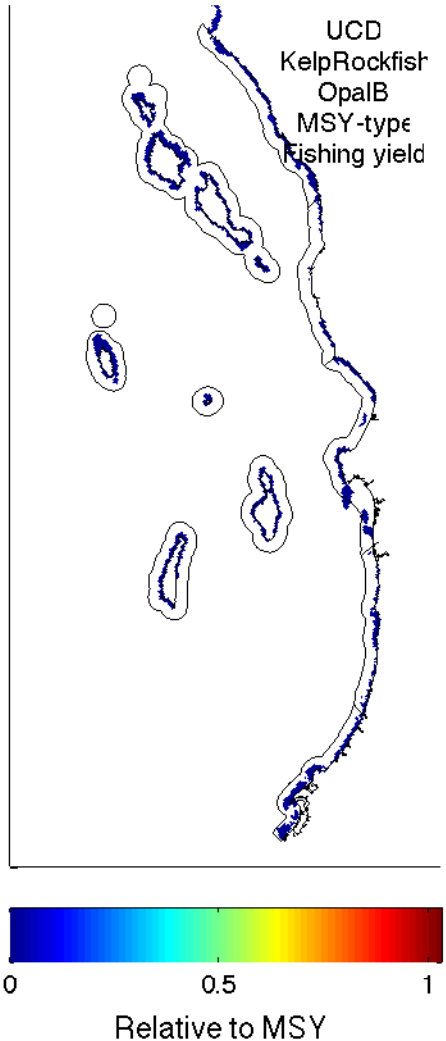


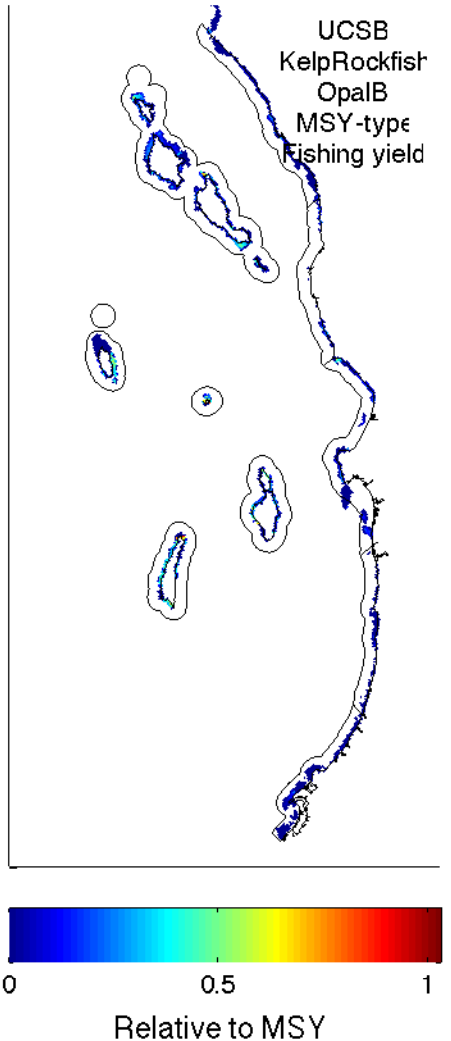
Relative to unfished

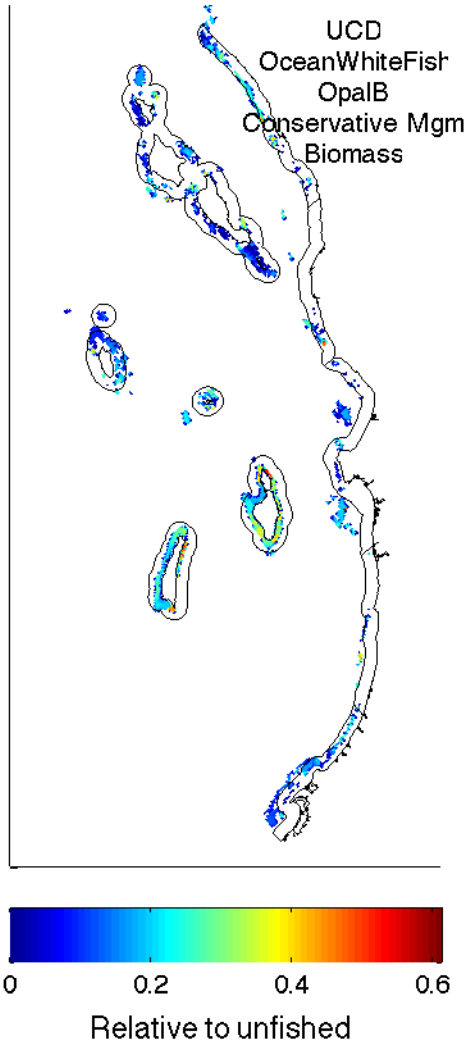

UCD
KelpRockfish
OpalB
MSY-type
Fishing effort
0
0.01
0.02
0.03
Relative to MSY maximum effort

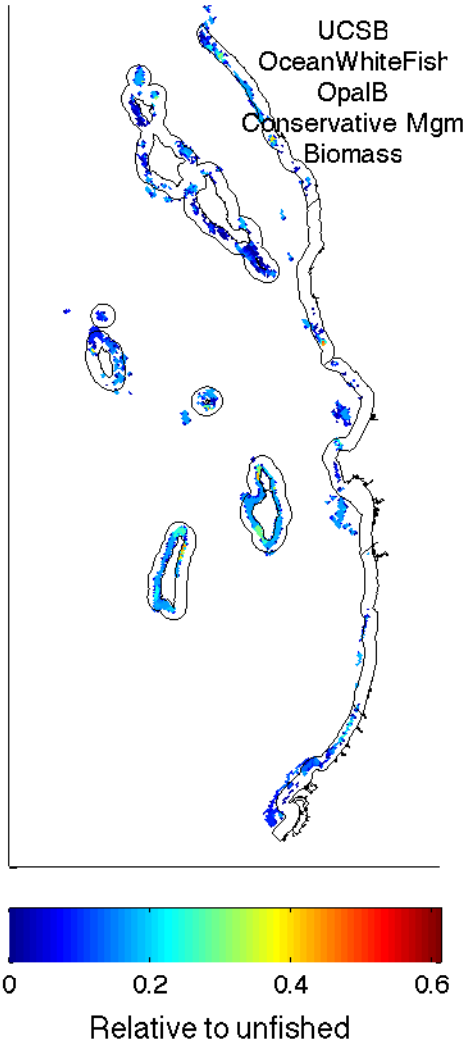

UCSB
KelpRockfish
OpalB
MSY-type
Fishing effort
0
5
10
Relative to MSY maximum effort

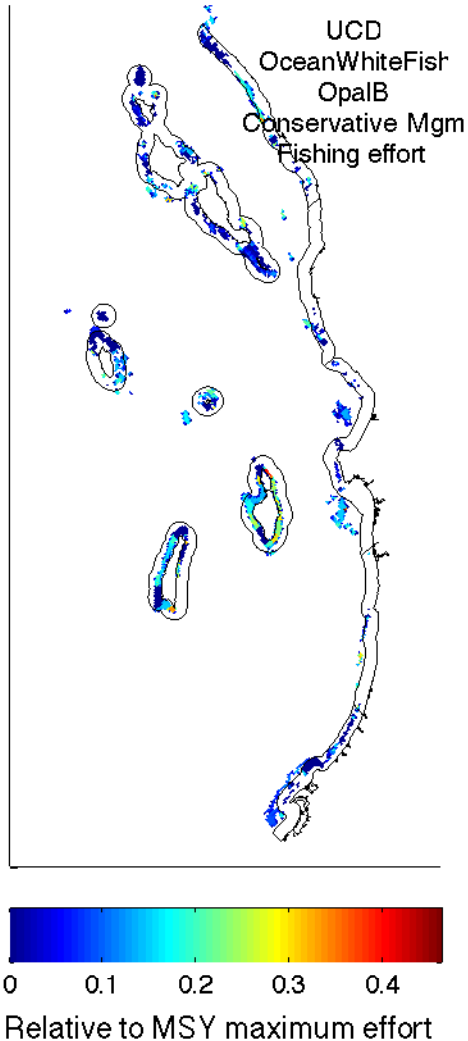

UCD
KelpRockfish
OpalB
MSY-type
Larval Recruitment
0.05
0.1
0.15
0.2
0.25
Proportion of Maximum

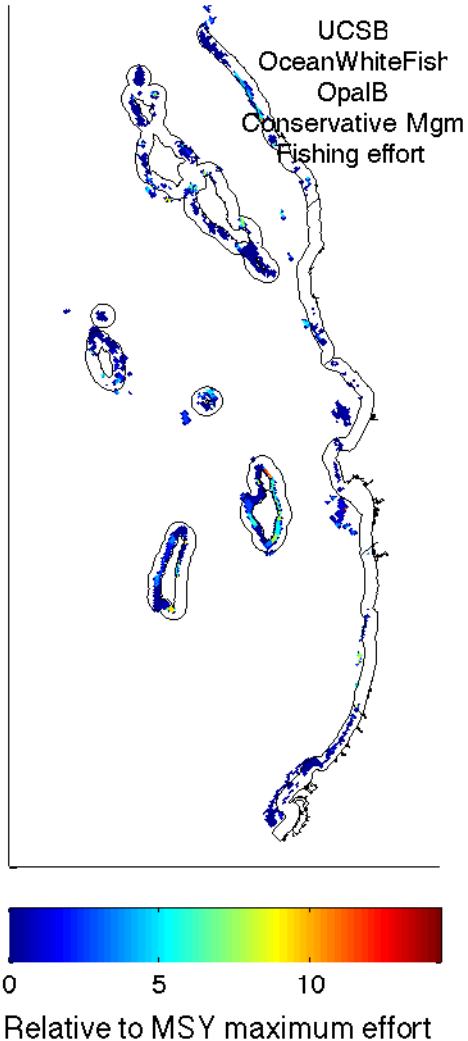

UCD
KelpRockfish
OpalB
MSY-type
Fishing yield
0
0.5
1
Relative to MSY

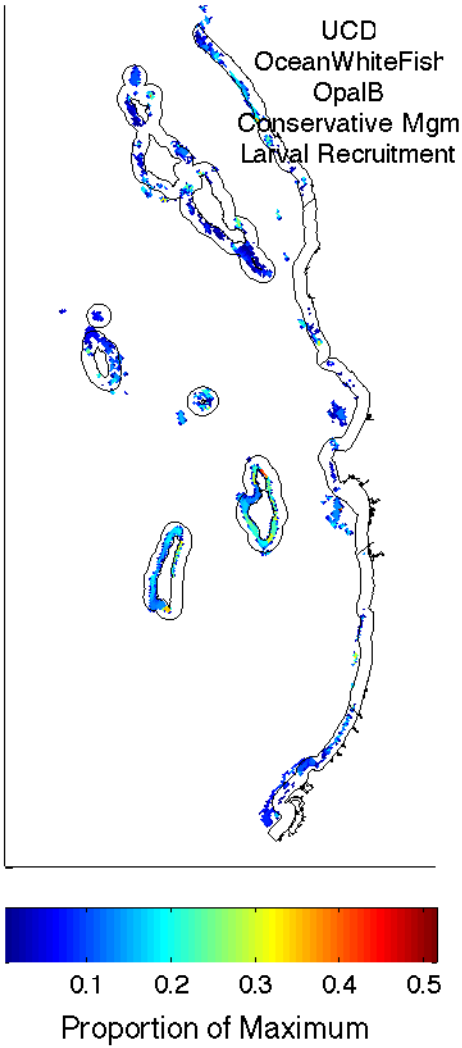

UCSB
KelpRockfish
OpalB
MSY-type
Fishing yield
0
0.5
1
Relative to MSY

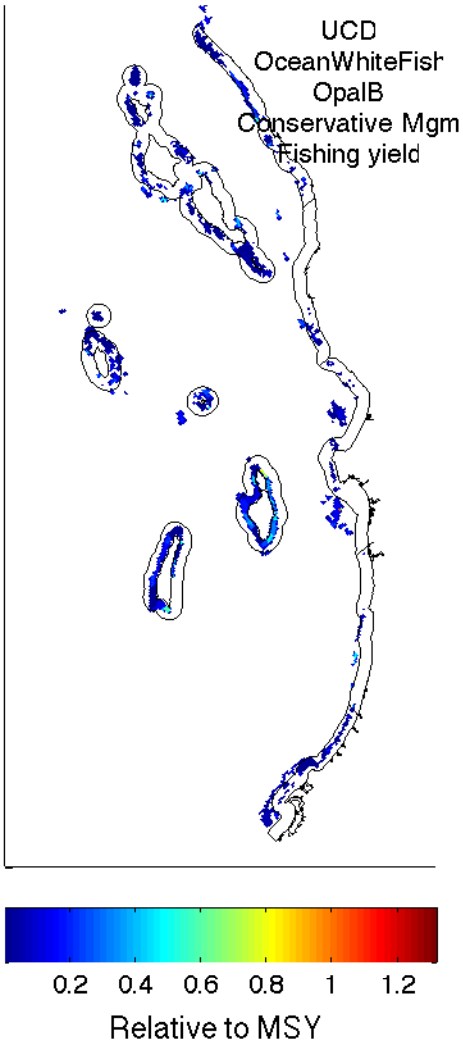

UCD
OceanWhiteFish
OpalB
Conservative Mgm
Biomass
0
0.2
0.4
0.6
Relative to unfished

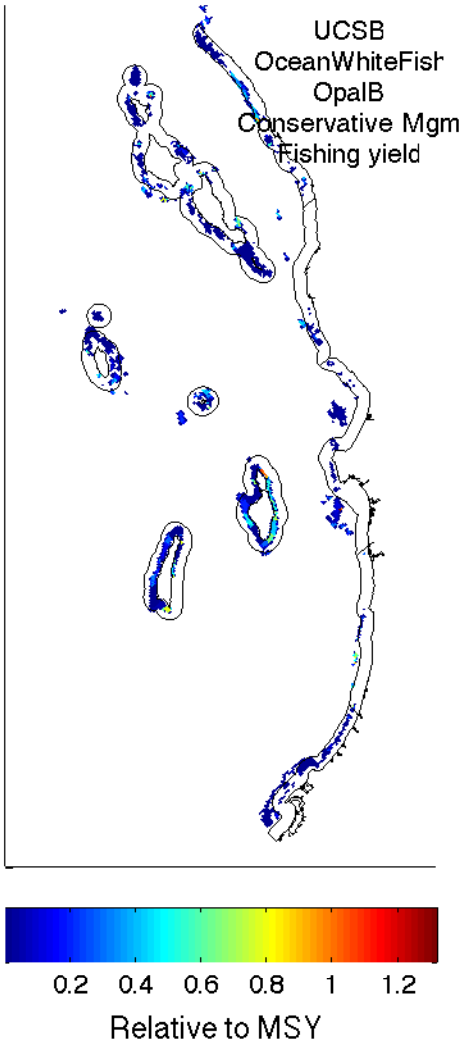

UCSB
OceanWhiteFish
OpalB
Conservative Mgm
Biomass
0
0.2
0.4
0.6
Relative to unfished

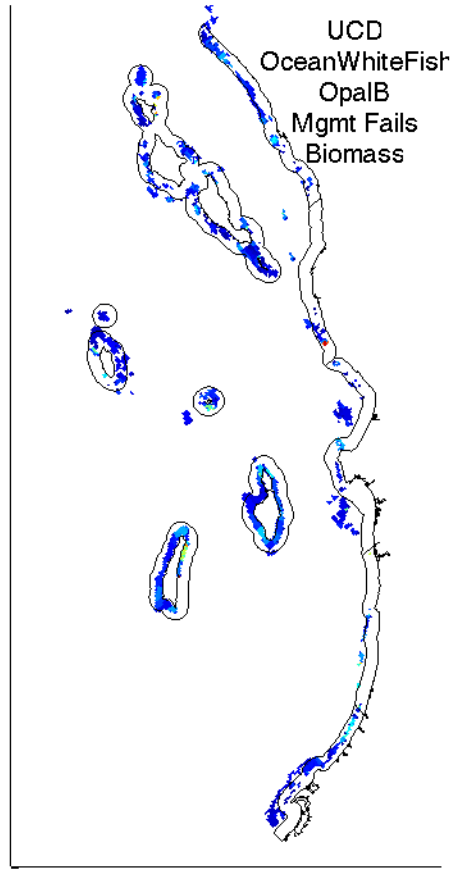

UCD
OceanWhiteFish
OpalB
Conservative Mgm
Fishing effort
0
0.1
0.2
0.3
0.4
Relative to MSY maximum effort


UCSB
OceanWhiteFish
OpalB
Conservative Mgm
Fishing effort
0
5
10
Relative to MSY maximum effort

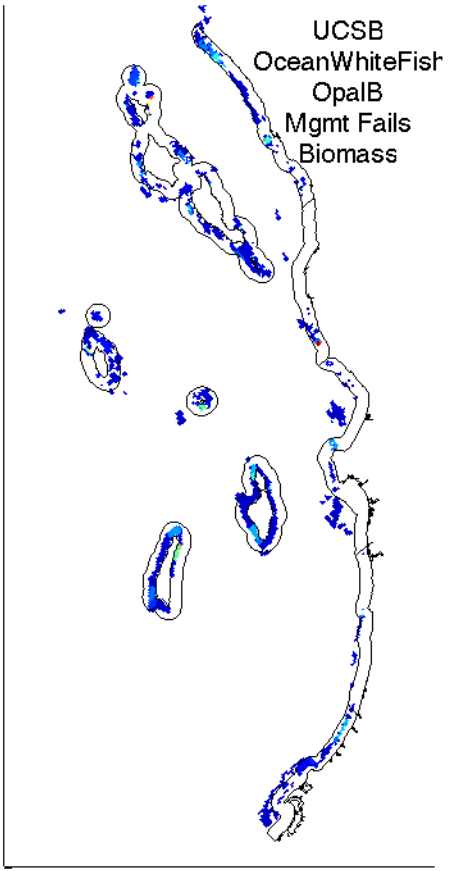

UCD
OceanWhiteFish
OpalB
Conservative Mgm
Larval Recruitment
0.1
0.2
0.3
0.4
0.5
Proportion of Maximum


UCD
OceanWhiteFish
OpalB
Conservative Mgm
Fishing yield
0.2
0.4
0.6
0.8
1
1.2
Relative to MSY

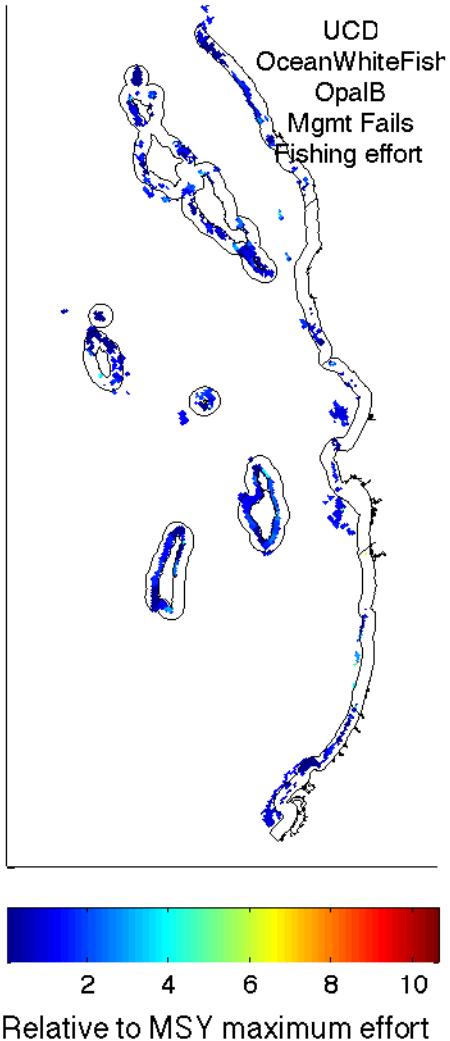

UCSB
OceanWhiteFish
OpalB
Conservative Mgm
Fishing yield
0.2
0.4
0.6
0.8
1
1.2
Relative to MSY

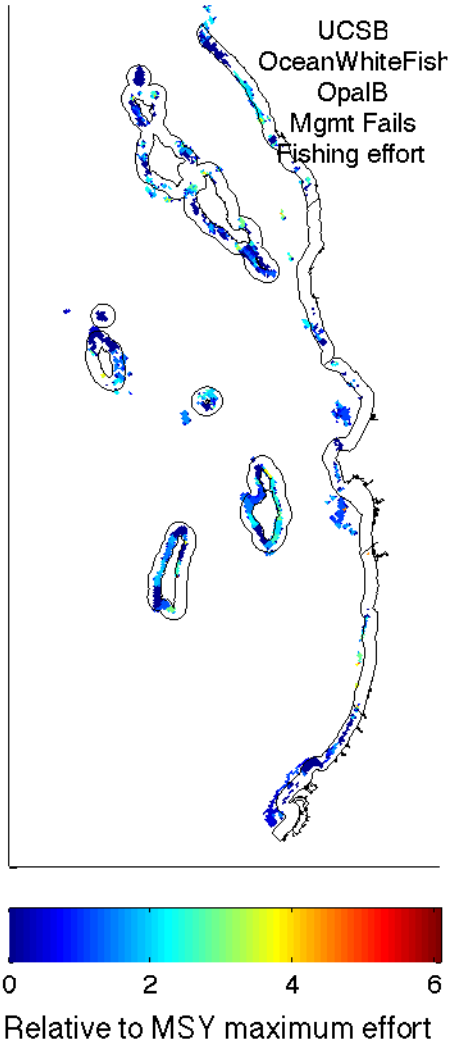


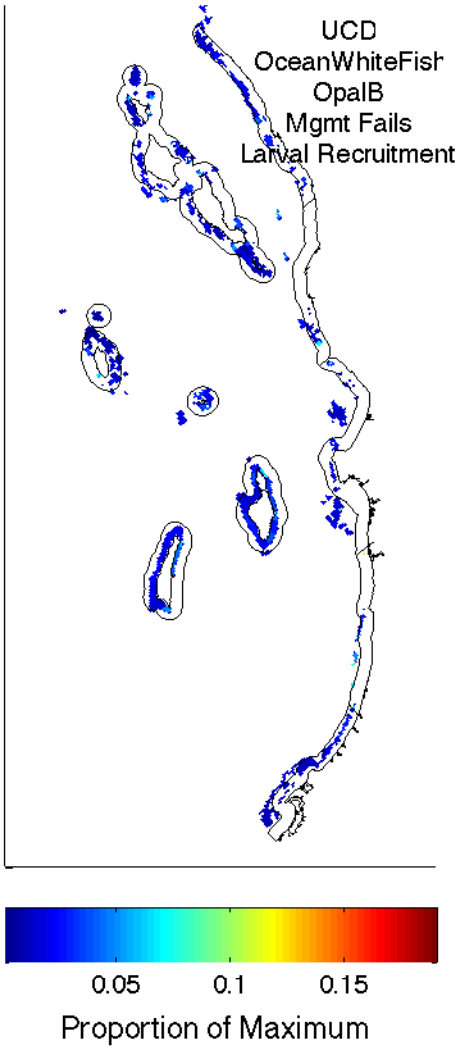
Relative to unfished

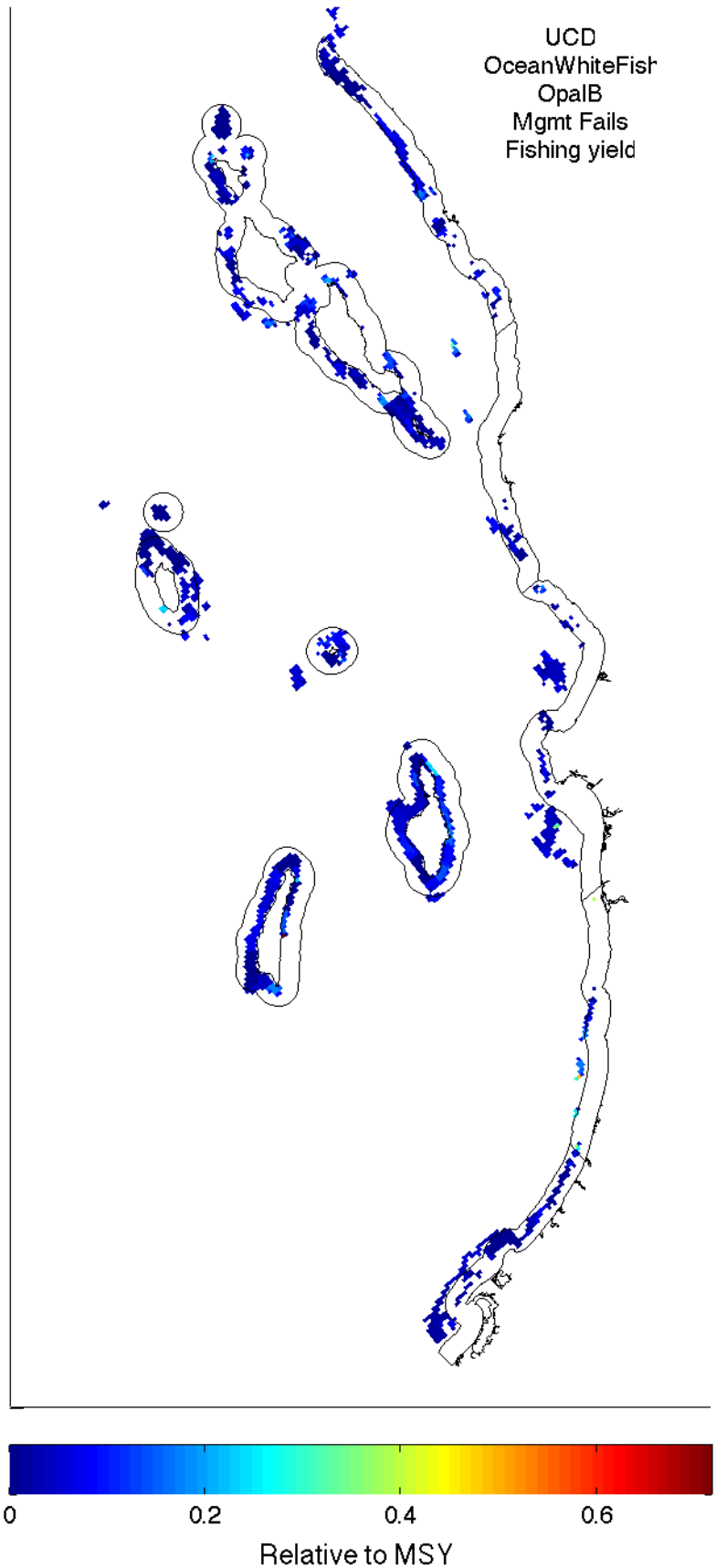


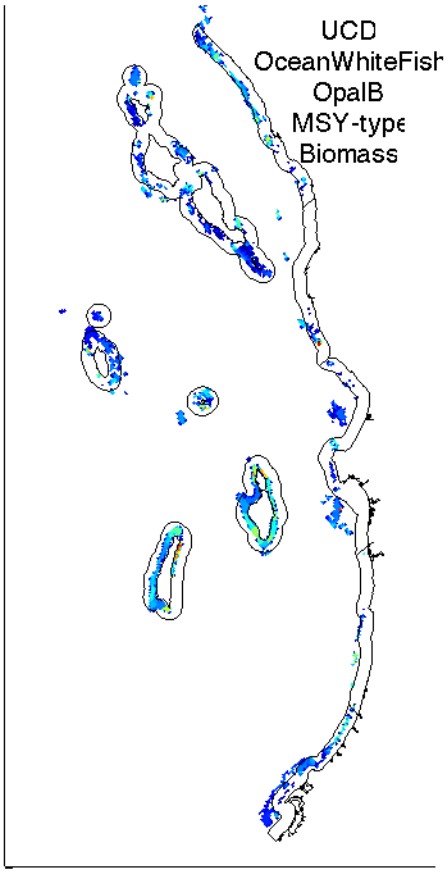
Relative to unfished

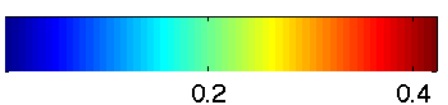

UCD
OceanWhiteFish
OpalB
Mgmt Fails
Fishing effort
2
4
6
8
10
Relative to MSY maximum effort


UCSB
OceanWhiteFish
OpalB
Mgmt Fails
Fishing effort
0
2
4
6
Relative to MSY maximum effort

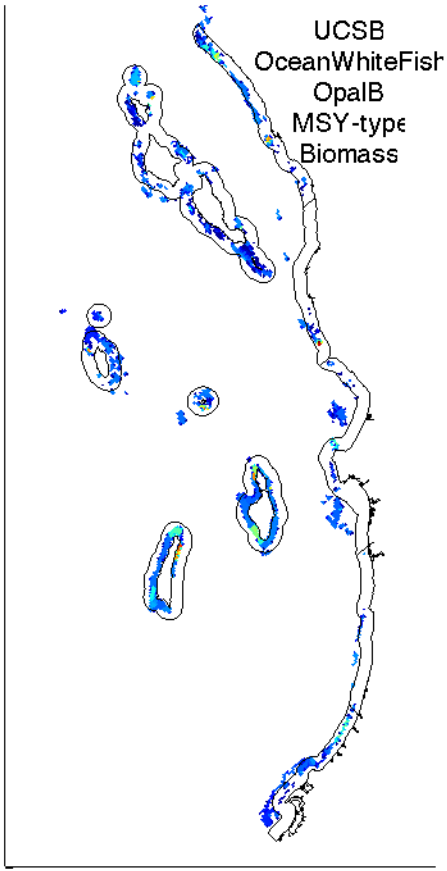

UCD
OceanWhiteFish
OpalB
Mgmt Fails
Larval Recruitment
0.05
0.1
0.15
Proportion of Maximum

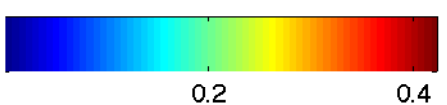

UCD
OceanWhiteFish
OpalB
Mgmt Fails
Fishing yield
0
0.2
0.4
0.6
Relative to MSY



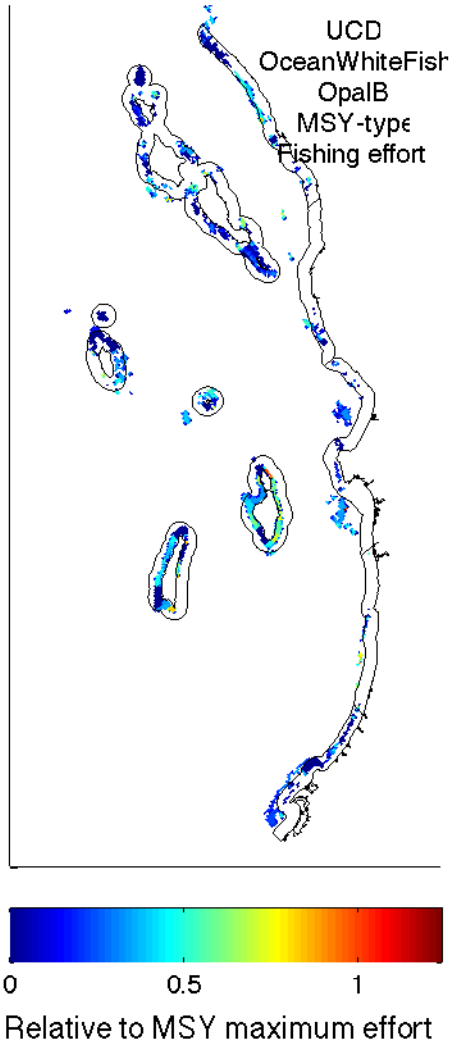


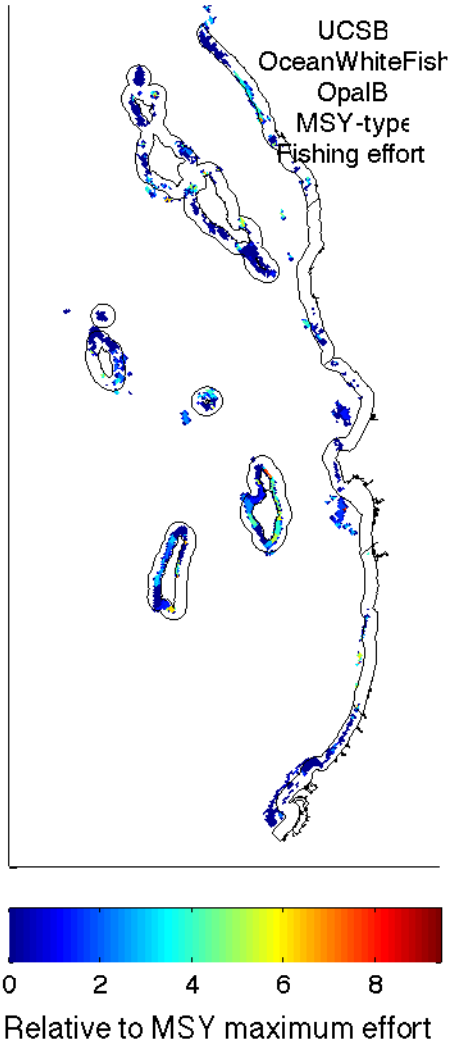
Relative to unfished

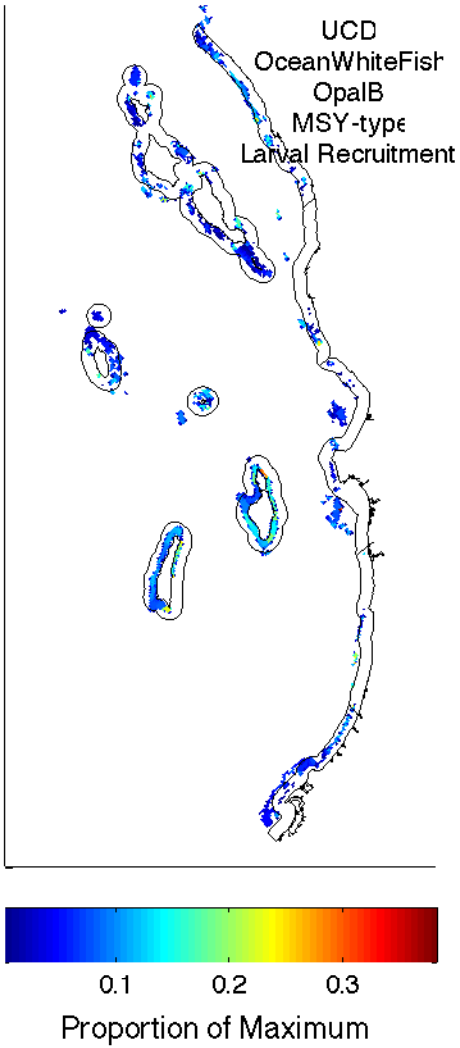


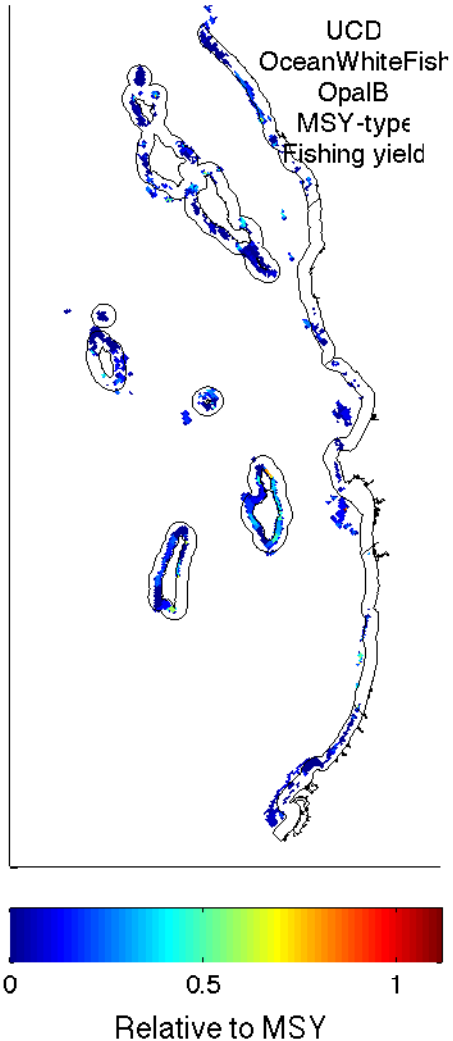


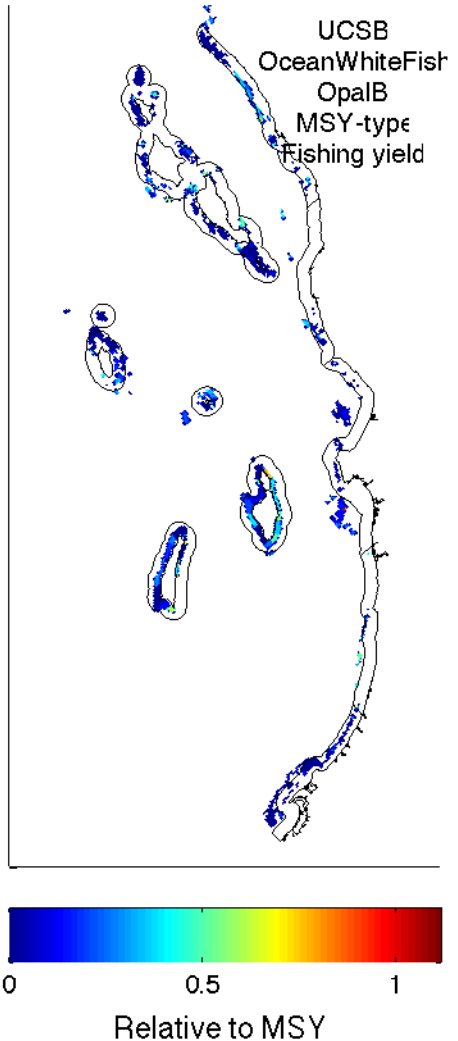
Relative to unfished

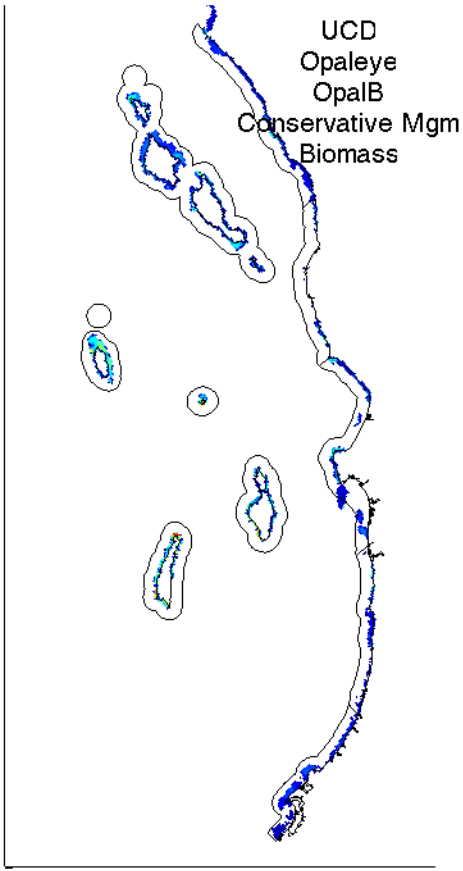

UCD
OceanWhiteFish
OpalB
MSY-type
Fishing effort
0
0.5
1
Relative to MSY maximum effort

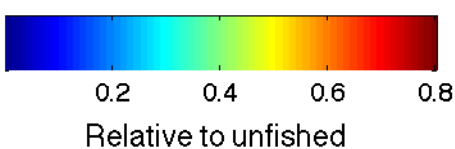

UCSB
OceanWhiteFish
OpalB
MSY-type
Fishing effort
0
2
4
6
8
Relative to MSY maximum effort

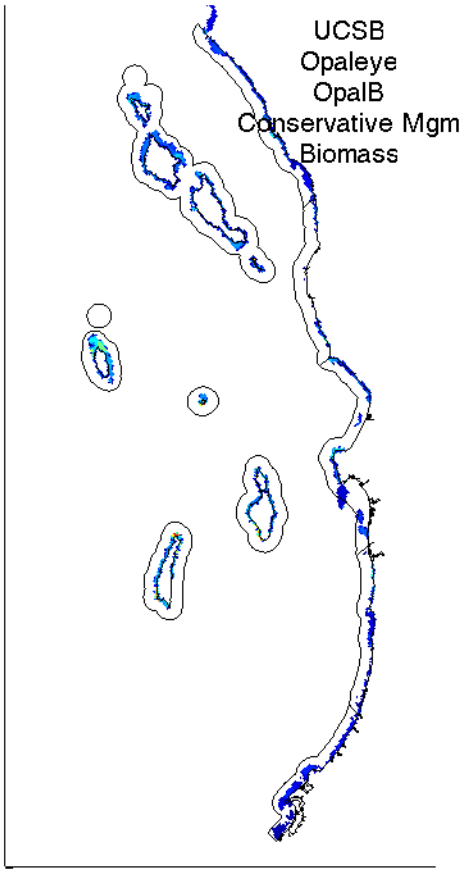

UCD
OceanWhiteFish
OpalB
MSY-type
Larval Recruitment
0.1
0.2
0.3
Proportion of Maximum

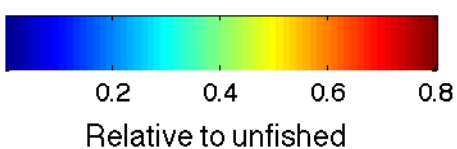

UCD
OceanWhiteFish
OpalB
MSY-type
Fishing yield
0
0.5
1
Relative to MSY

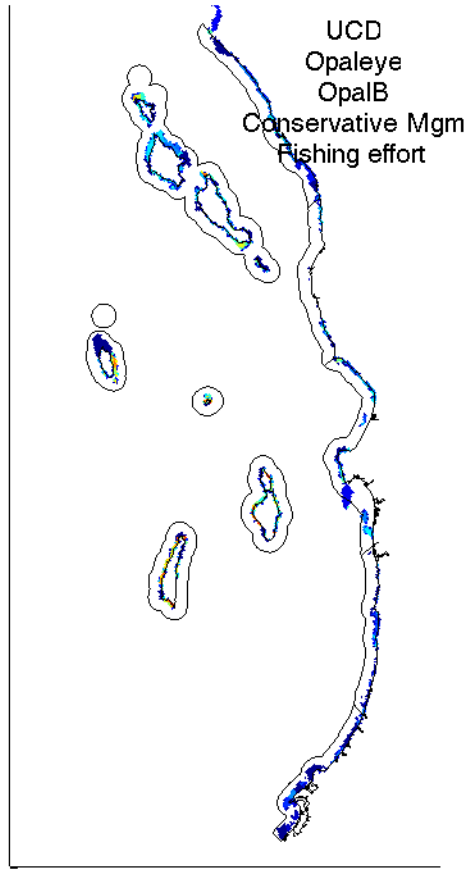

UCSB
OceanWhiteFish
OpalB
MSY-type
Fishing yield
0
0.5
1
Relative to MSY

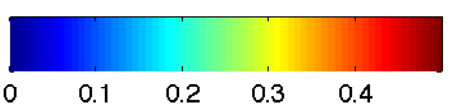

UCD
Opaleye
OpalB
Conservative Mgm
Biomass


0.2
0.4
0.6
0.8
Relative to unfished

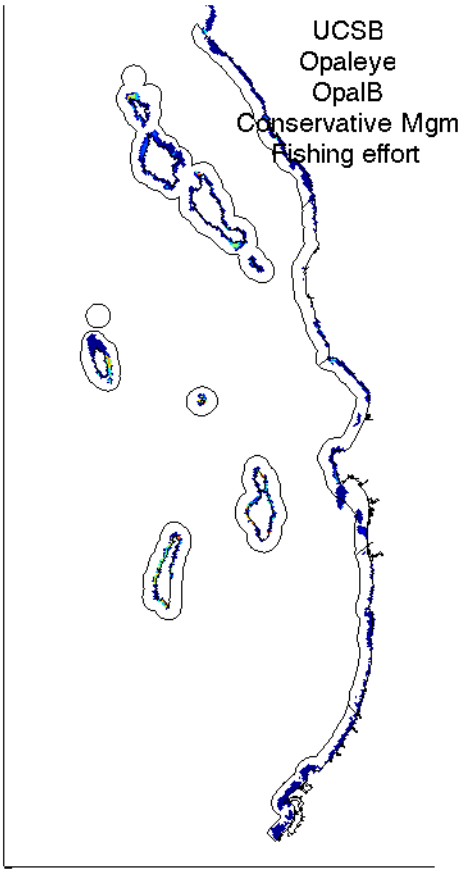

UCSB
Opaleye
OpalB
Conservative Mgm
Biomass

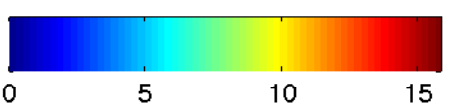

0.2
0.4
0.6
0.8
Relative to unfished



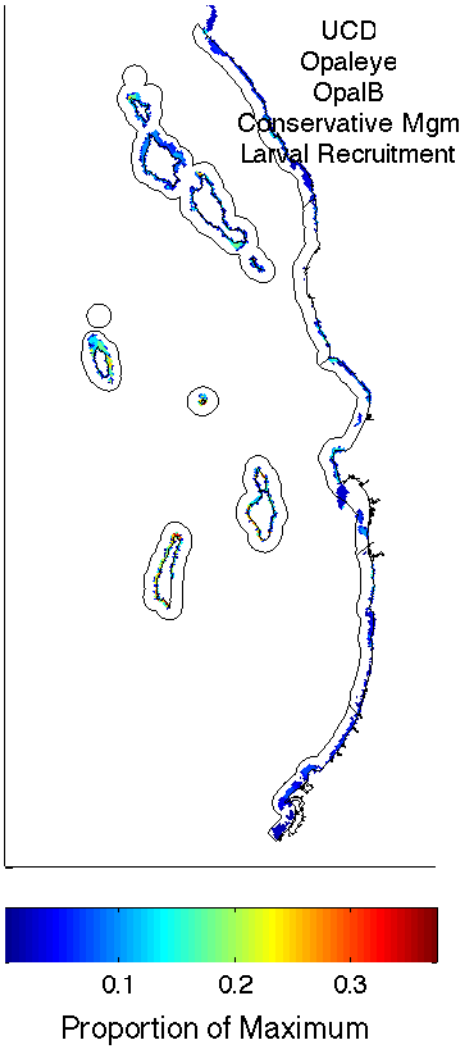


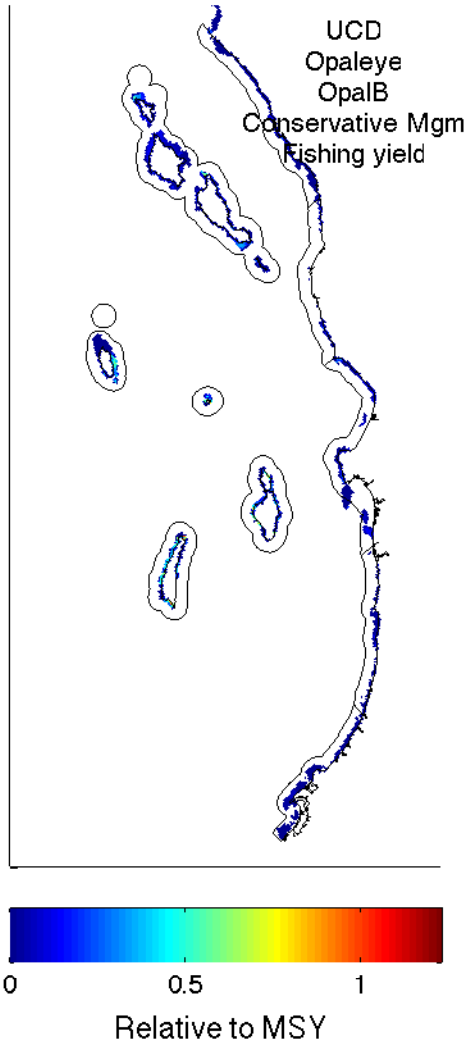
Relative to MSY maximum effort

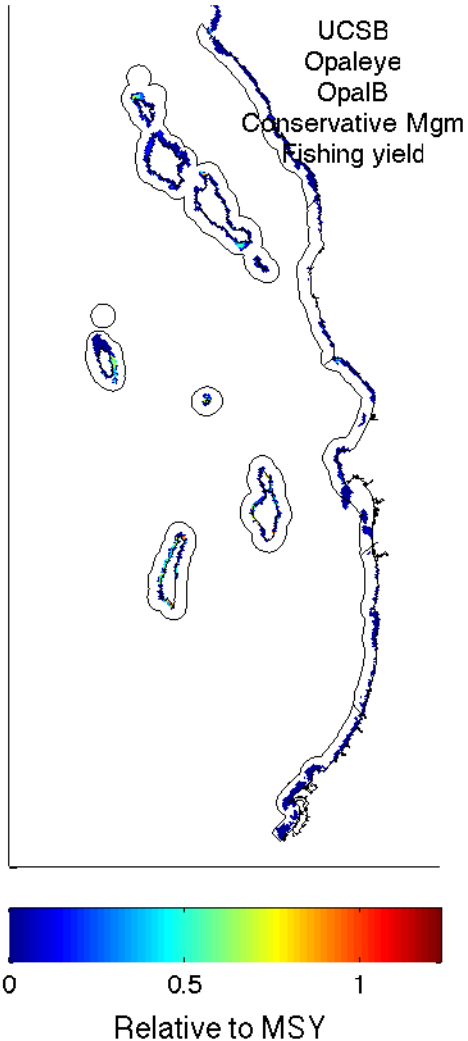


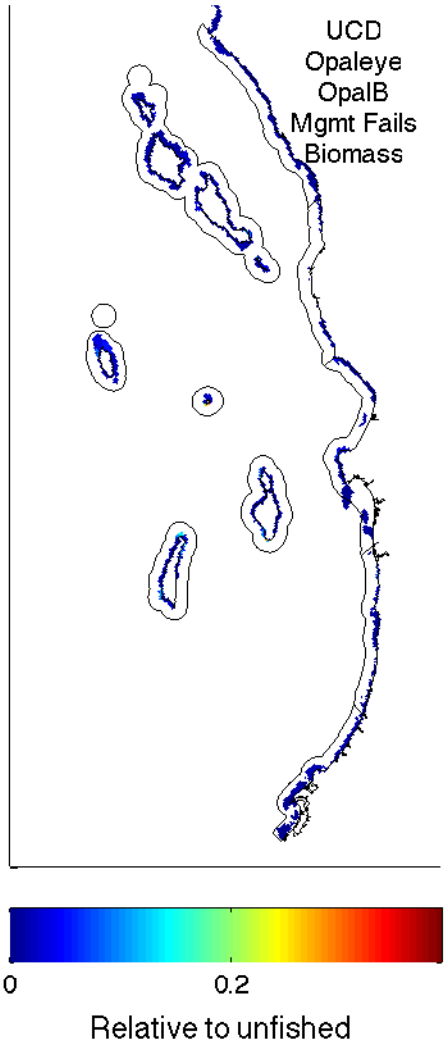


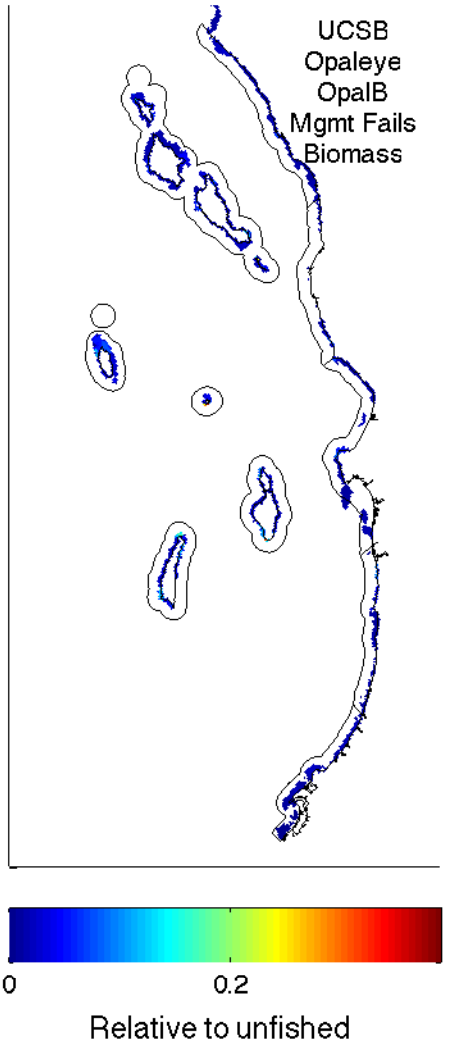
Relative to MSY maximum effort

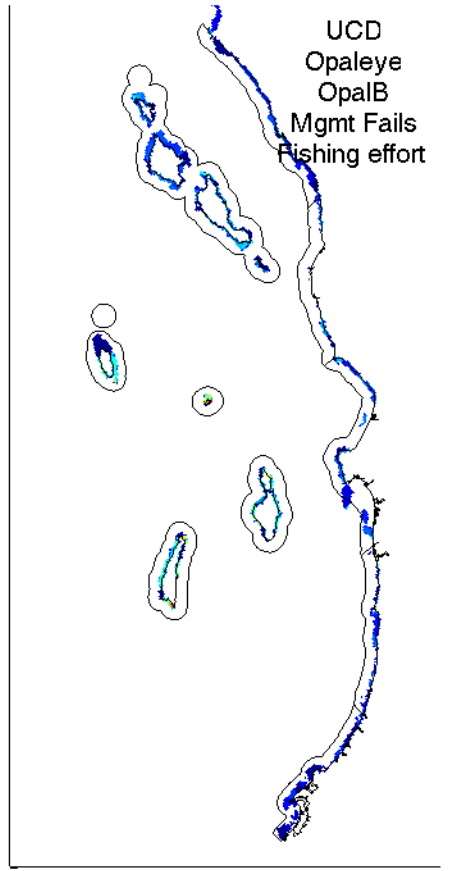

UCD
Opaleye
OpalB
Conservative Mgm
Larval Recruitment
0.1
0.2
0.3
Proportion of Maximum


UCD
Opaleye
OpalB
Conservative Mgm
Fishing yield
0
0.5
1
Relative to MSY

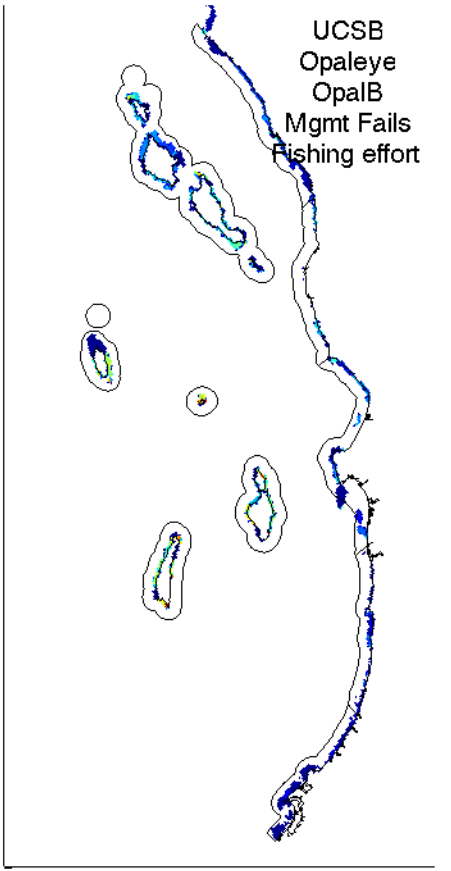

UCSB
Opaleye
OpalB
Conservative Mgm
Fishing yield
0
0.5
1
Relative to MSY

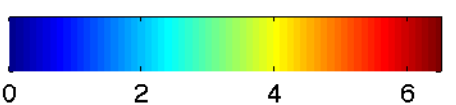

UCD
Opaleye
OpalB
Mgmt Fails
Biomass
0
0.2
Relative to unfished


UCSB
Opaleye
OpalB
Mgmt Fails
Biomass
0
0.2
Relative to unfished

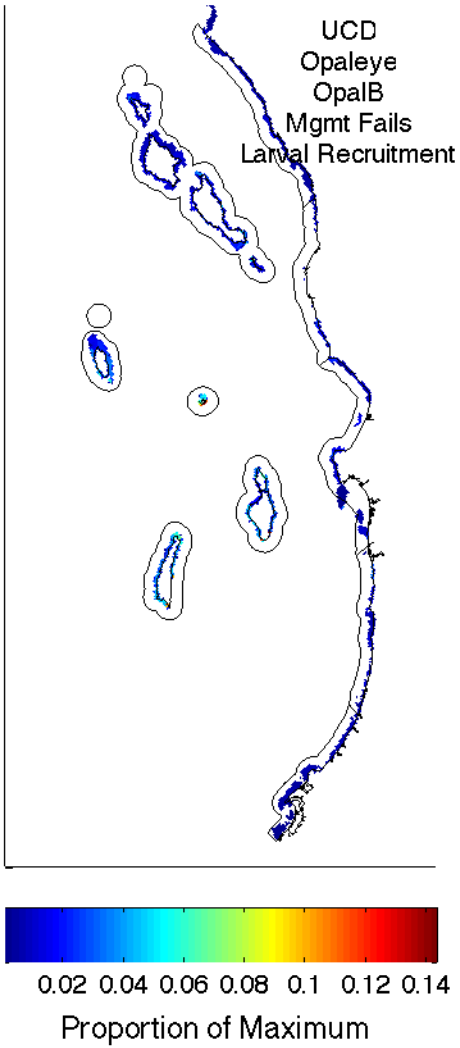


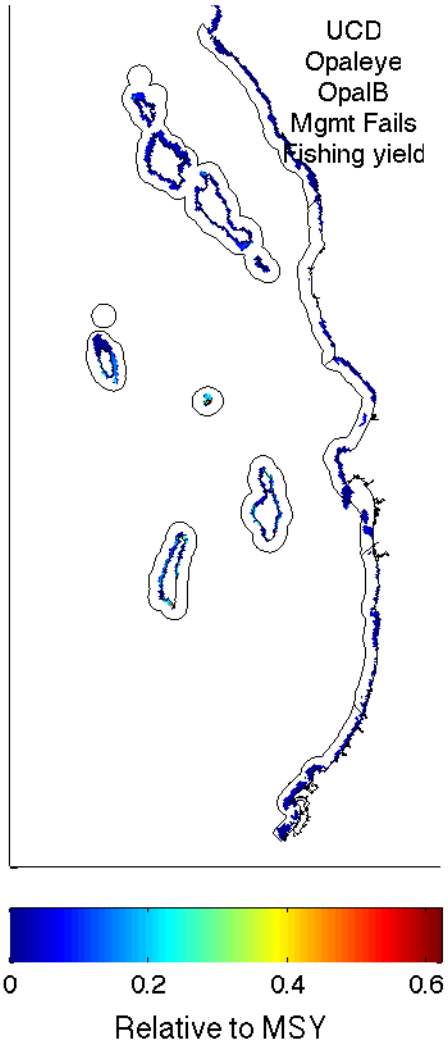
Relative to MSY maximum effort

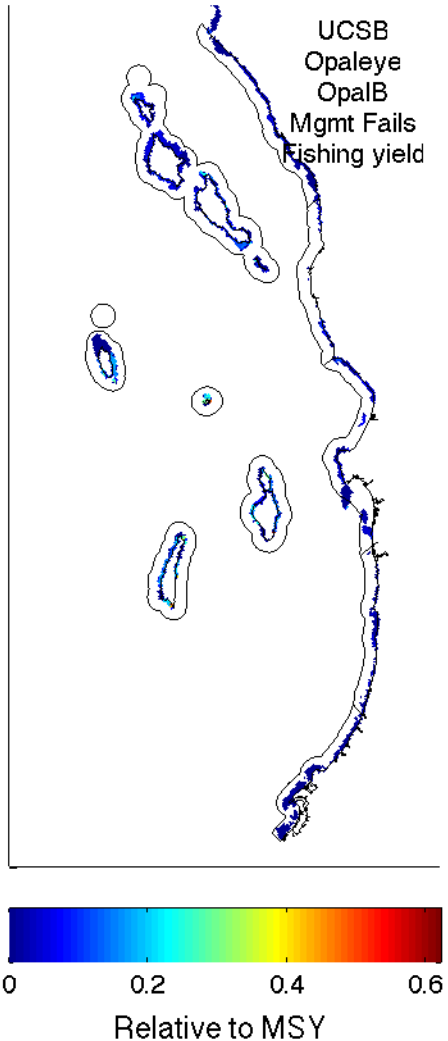


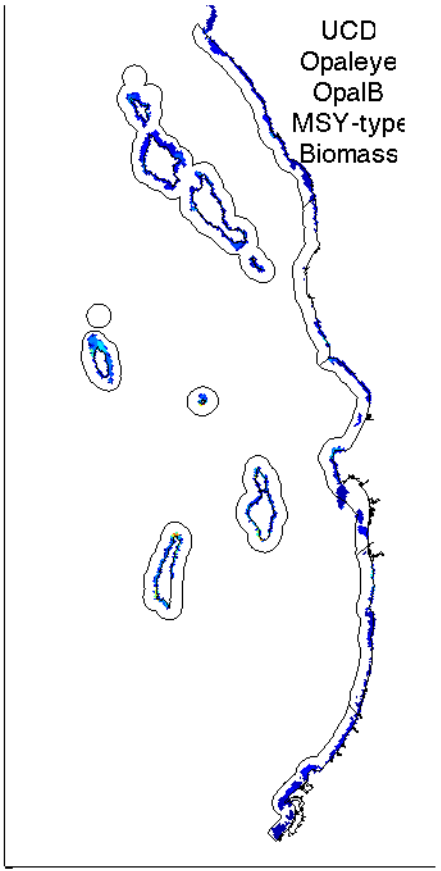


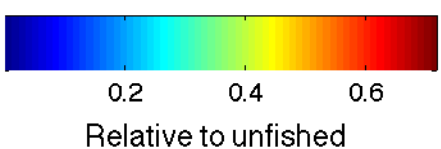
Relative to MSY maximum effort

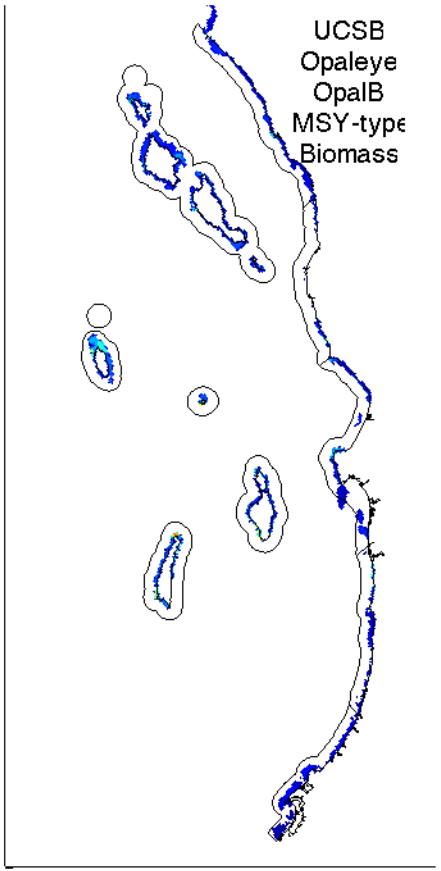

UCD
Opaleye
OpalB
Mgmt Fails
Larval Recruitment
0.02 0.04 0.06 0.08 0.1 0.12 0.14
Proportion of Maximum

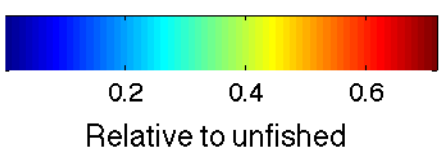

UCD
Opaleye
OpalB
Mgmt Fails
Fishing yield
0
0.2
0.4
0.6
Relative to MSY

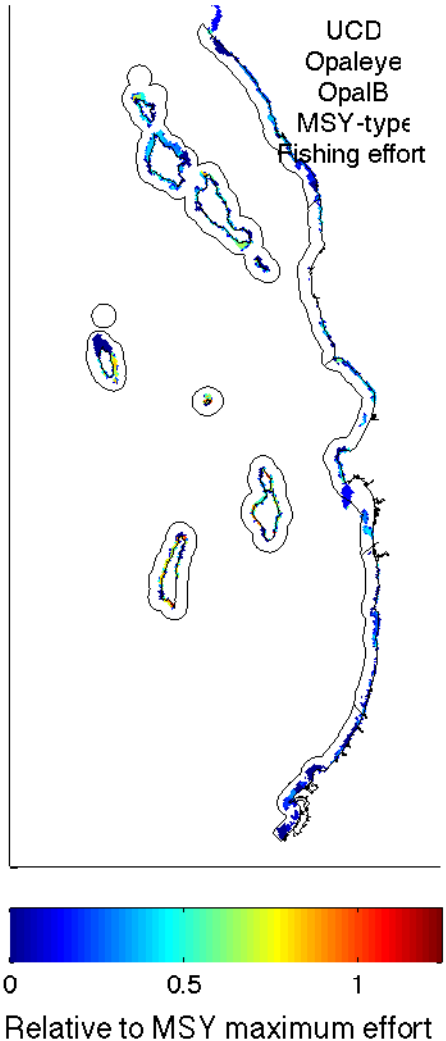

UCSB
Opaleye
OpalB
Mgmt Fails
Fishing yield
0
0.2
0.4
0.6
Relative to MSY

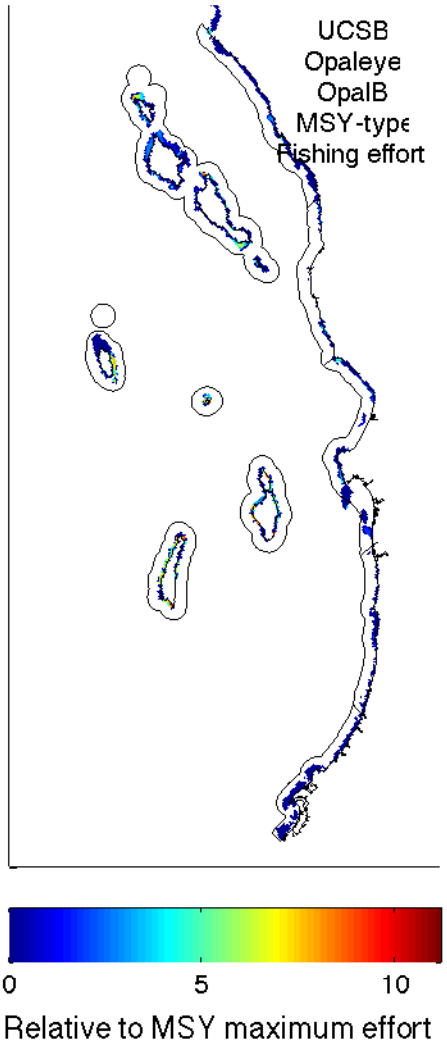

UCD
Opaleye
OpalB
MSY-type
Biomass

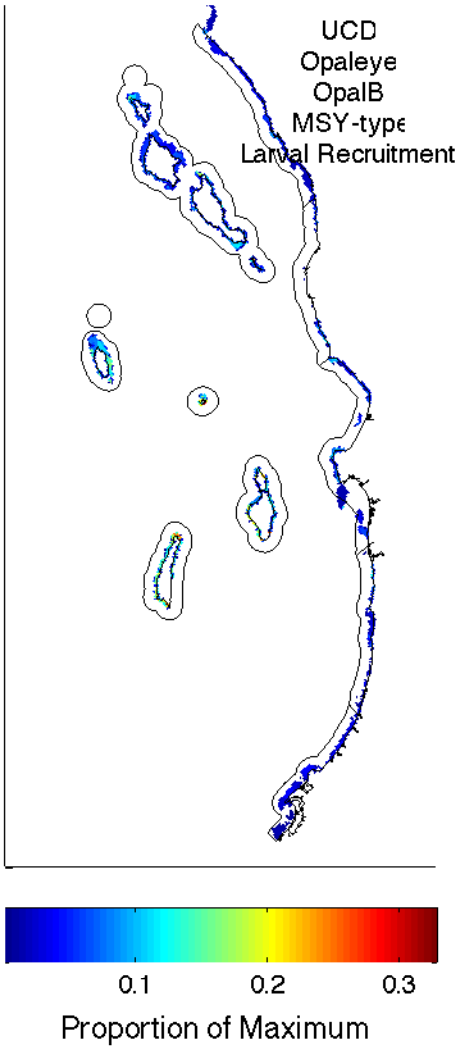

0.2
0.4
0.6
Relative to unfished

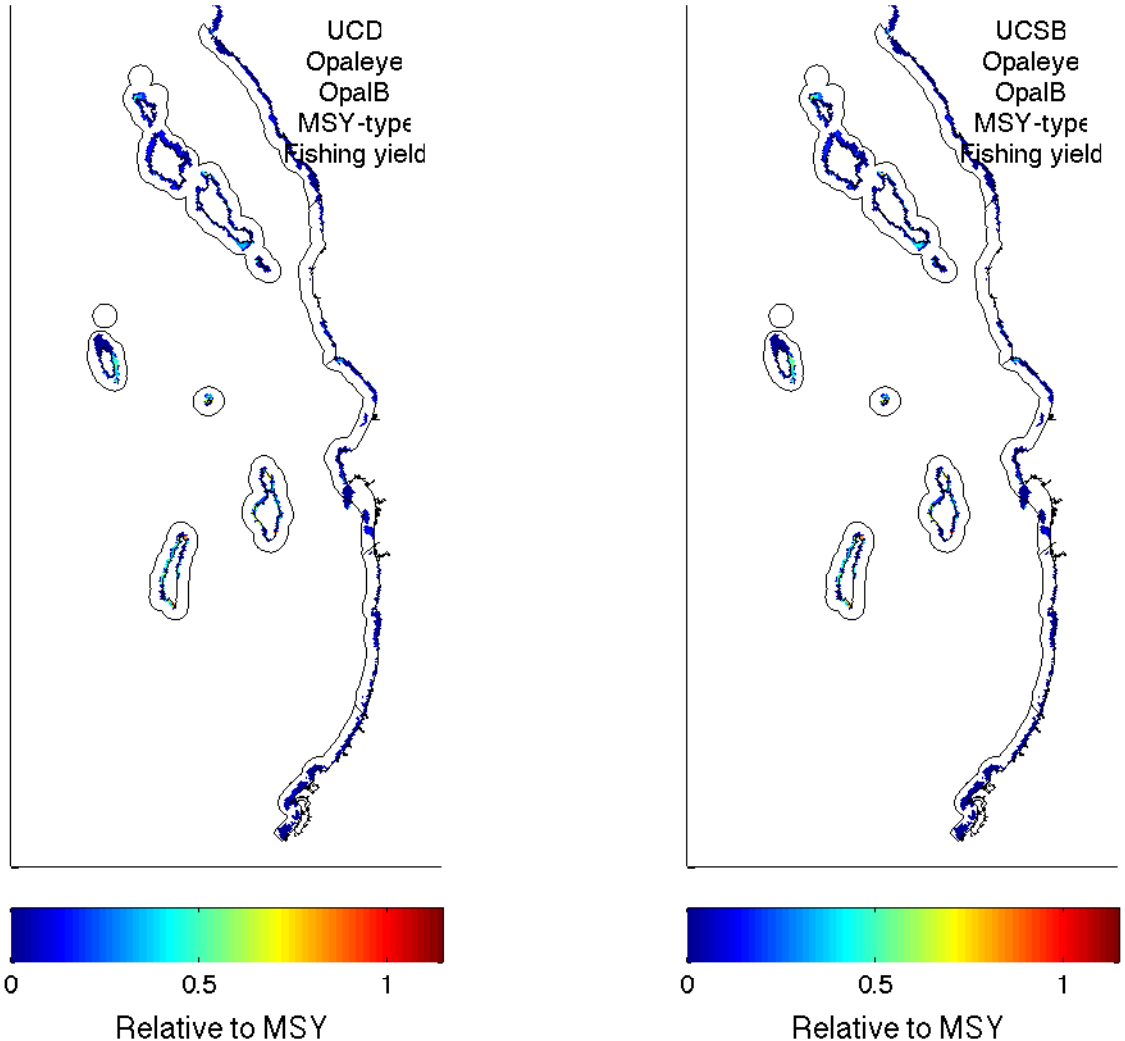

UCSB
Opaleye
OpalB
MSY-type
Biomass

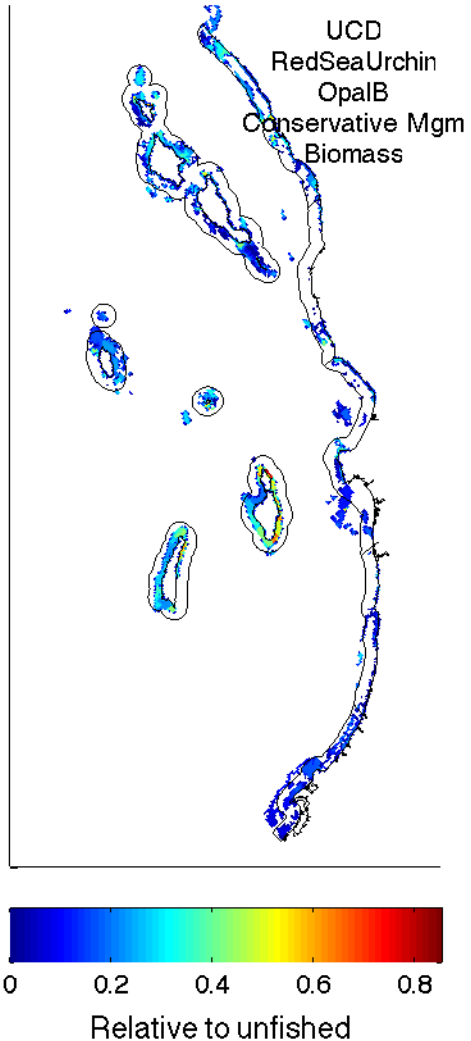

0.2
0.4
0.6
Relative to unfished

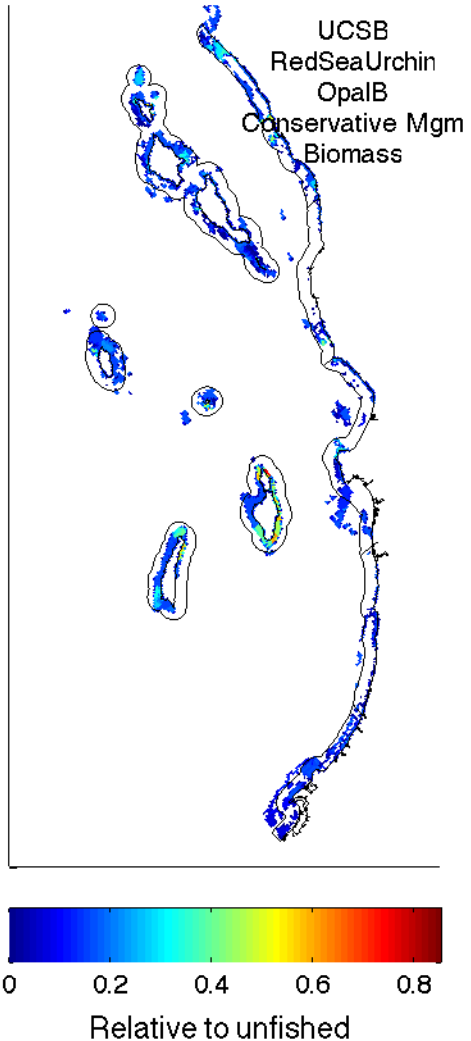

UCD
Opaleye
OpalB
MSY-type
Fishing effort
0
0.5
1
Relative to MSY maximum effort

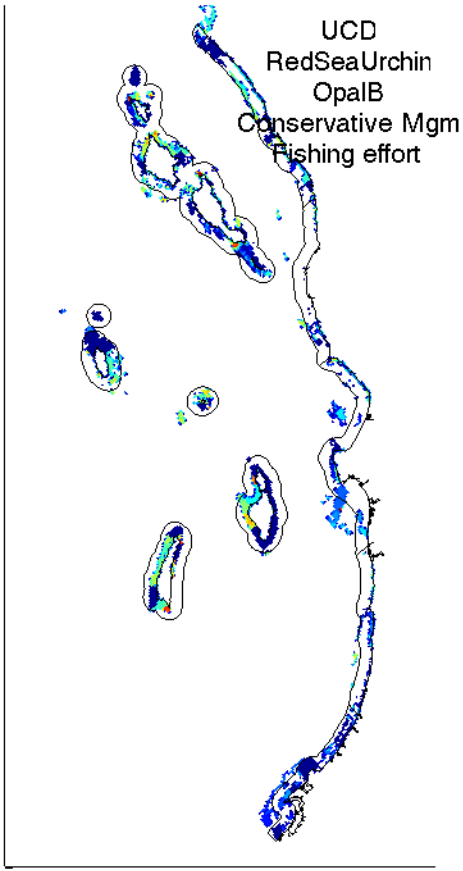

UCSB
Opaleye
OpalB
MSY-type
Fishing effort
0
5
10
Relative to MSY maximum effort

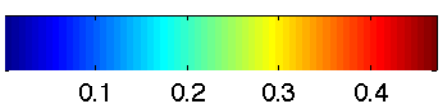

UCD
Opaleye
OpalB
MSY-type
Larval Recruitment
0.1
0.2
0.3
Proportion of Maximum


UCD
Opaleye
OpalB
MSY-type
Fishing yield
0
0.5
1
Relative to MSY
UCSB
Opaleye
OpalB
MSY-type
Fishing yield
0
0.5
1
Relative to MSY

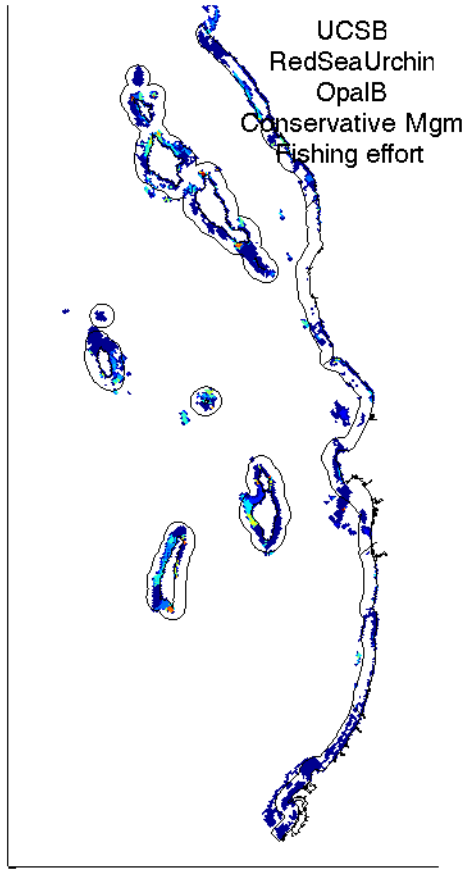

UCD
RedSeaUrchin
OpalB
Conservative Mgm
Biomass
0
0.2
0.4
0.6
0.8
Relative to unfished

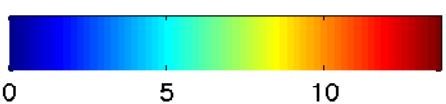

UCSB
RedSeaUrchin
OpalB
Conservative Mgm
Biomass
0
0.2
0.4
0.6
0.8
Relative to unfished



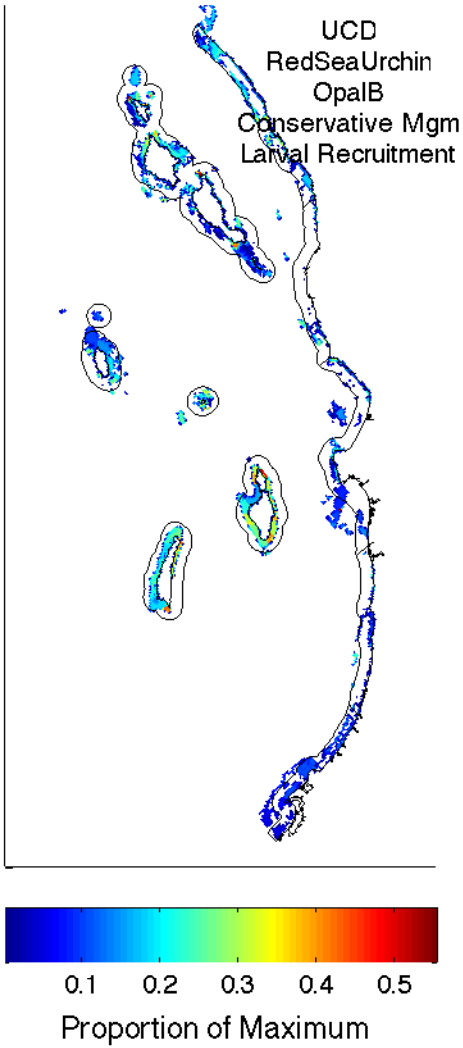


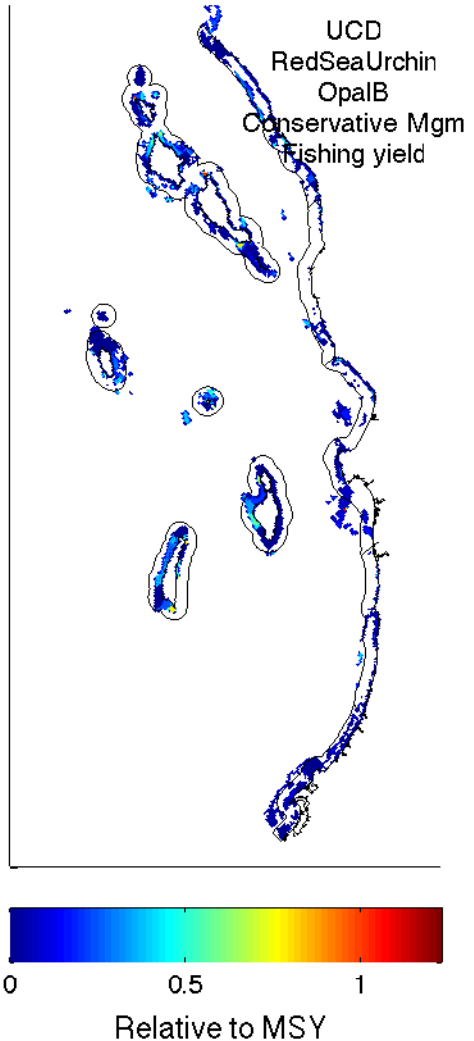
Relative to MSY maximum effort

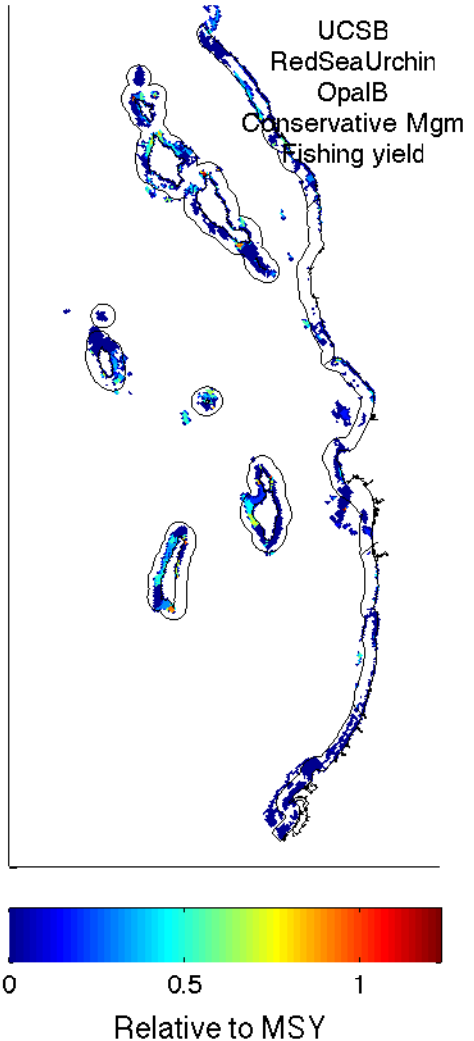


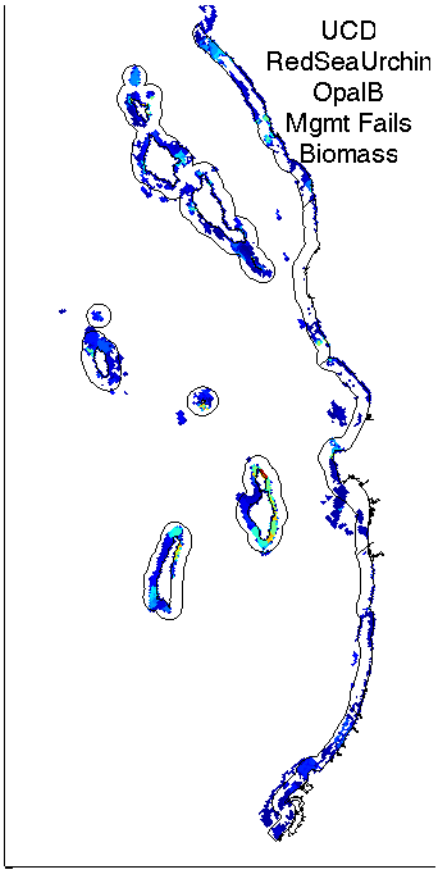


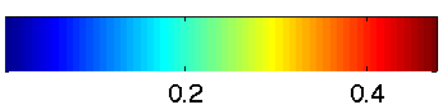
Relative to MSY maximum effort


UCD
RedSeaUrchin
OpalB
Conservative Mgm
Larval Recruitment
0.1
0.2
0.3
0.4
0.5
Proportion of Maximum

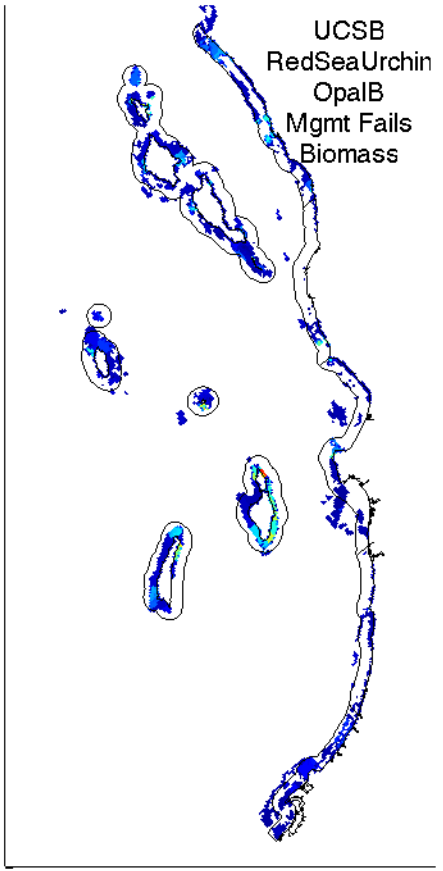

UCD
RedSeaUrchin
OpalB
Conservative Mgm
Fishing yield
0
0.5
1
Relative to MSY

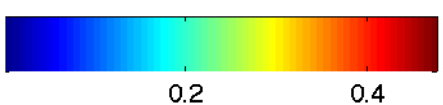

UCSB
RedSeaUrchin
OpalB
Conservative Mgm
Fishing yield
0
0.5
1
Relative to MSY



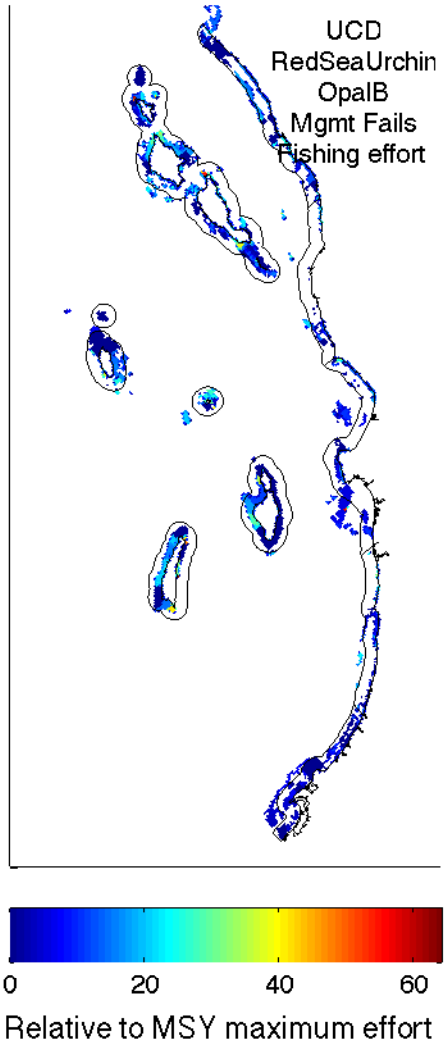


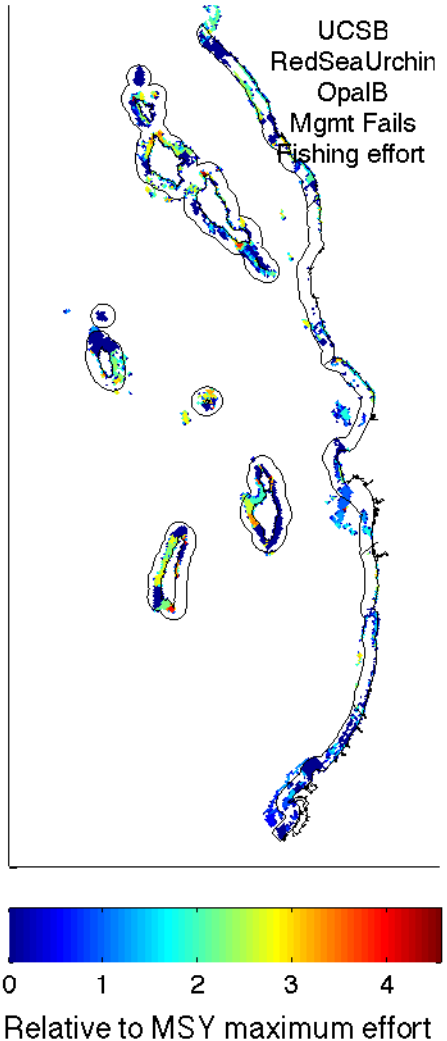
Relative to unfished

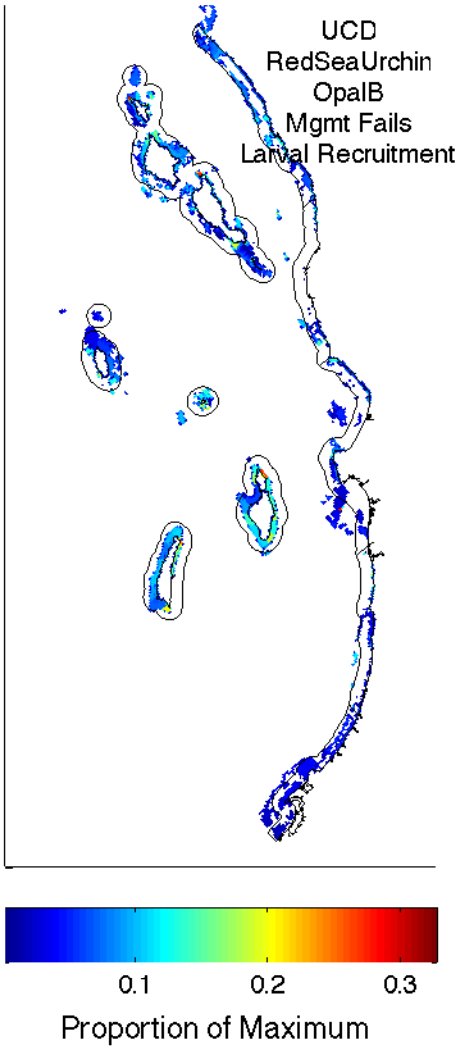


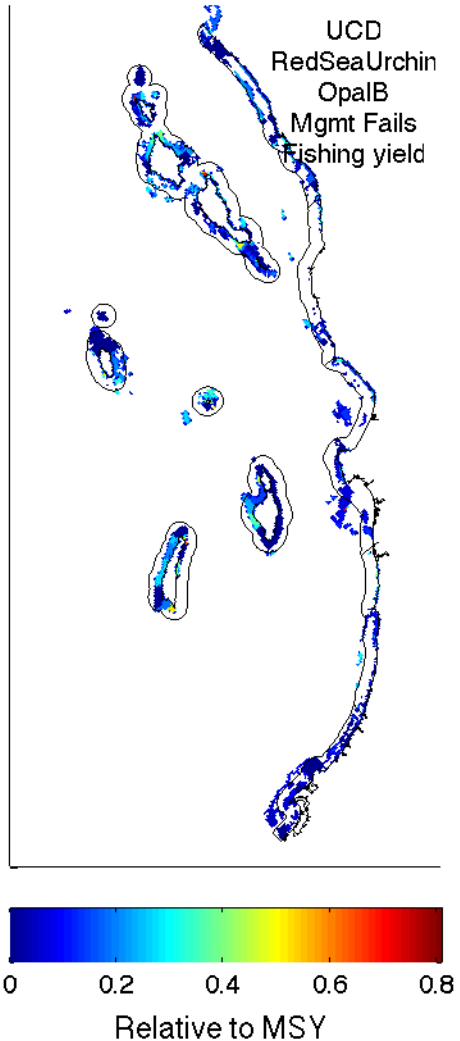


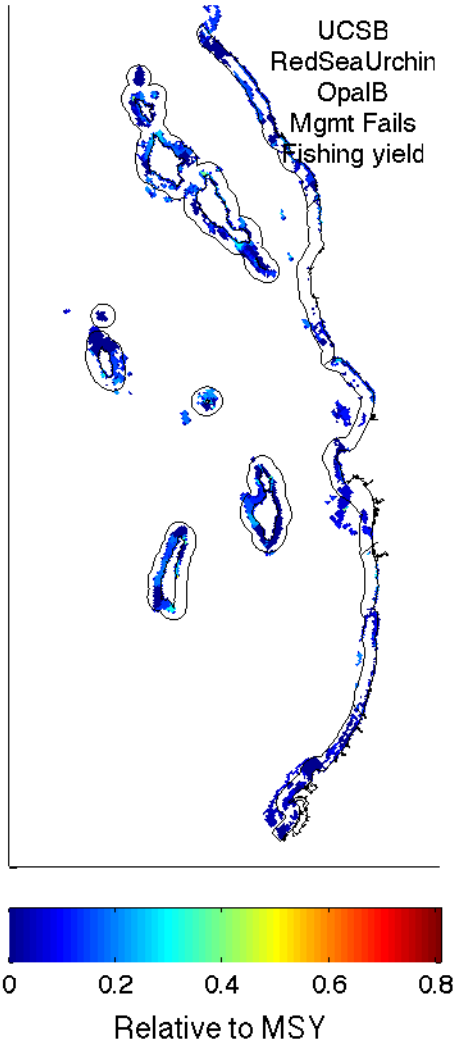
Relative to unfished

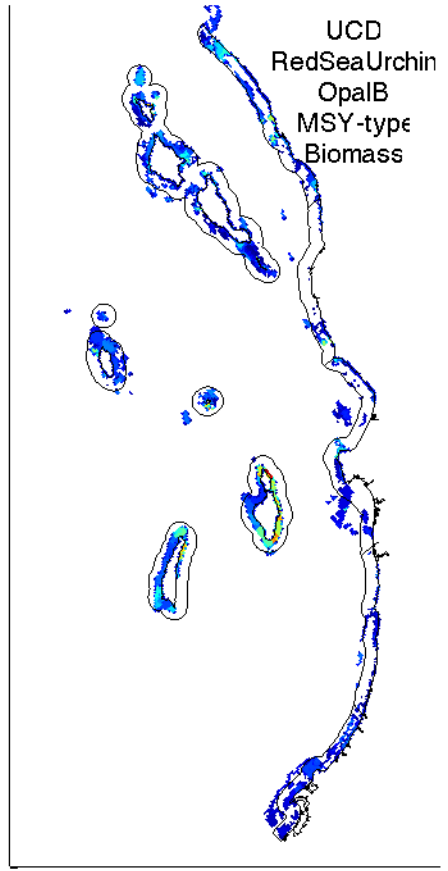

UCD
RedSeaUrchin
OpalB
Mgmt Fails
Fishing effort
0
20
40
60
Relative to MSY maximum effort

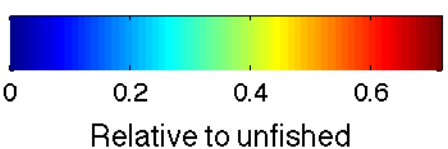

UCSB
RedSeaUrchin
OpalB
Mgmt Fails
Fishing effort
0
1
2
3
4
Relative to MSY maximum effort

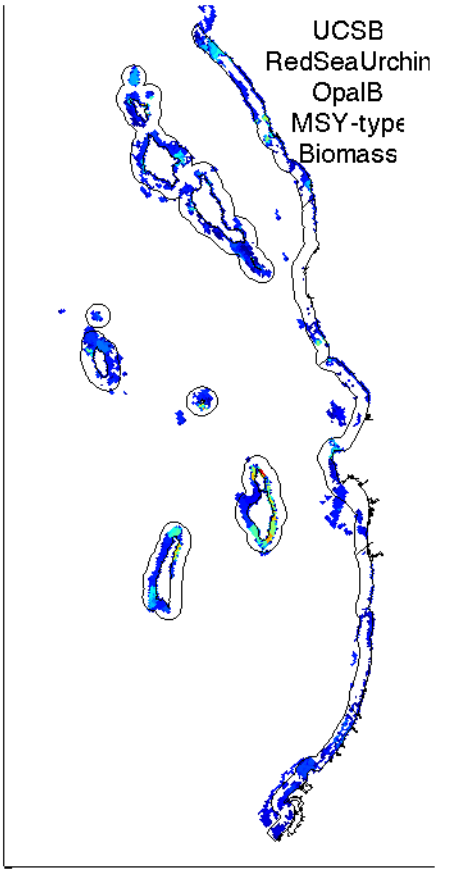

UCD
RedSeaUrchin
OpalB
Mgmt Fails
Larval Recruitment
0.1
0.2
0.3
Proportion of Maximum

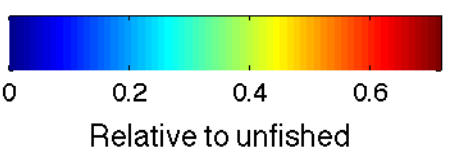

UCD
RedSeaUrchin
OpalB
Mgmt Fails
Fishing yield
0
0.2
0.4
0.6
0.8
Relative to MSY

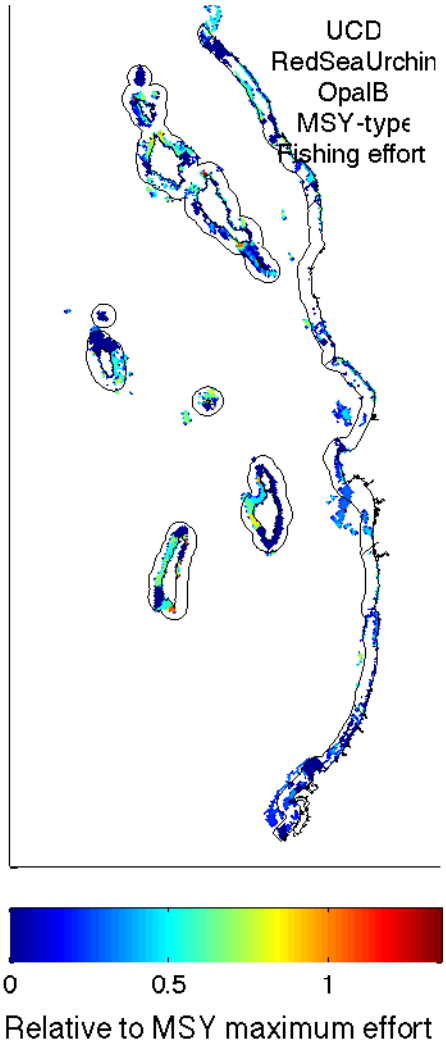

UCSB
RedSeaUrchin
OpalB
Mgmt Fails
Fishing yield
0
0.2
0.4
0.6
0.8
Relative to MSY

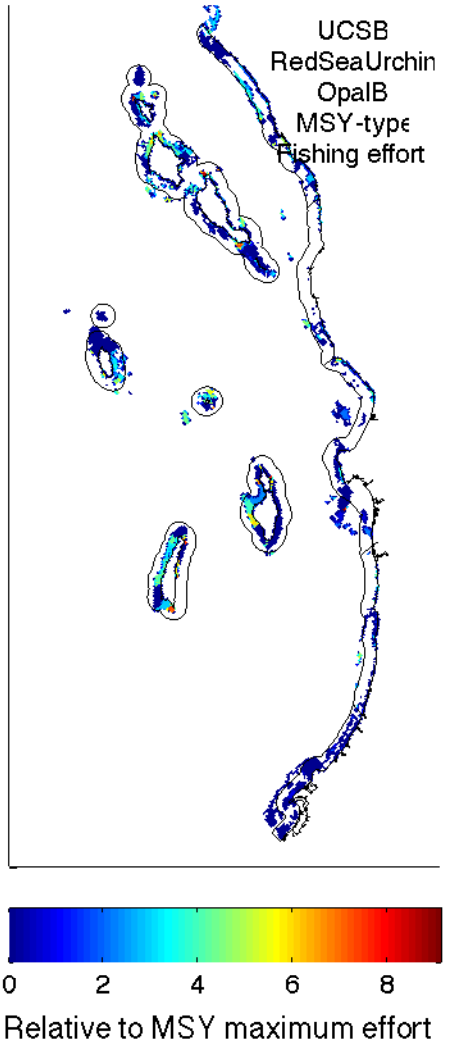

UCD
RedSeaUrchin
OpalB
MSY-type
Biomass

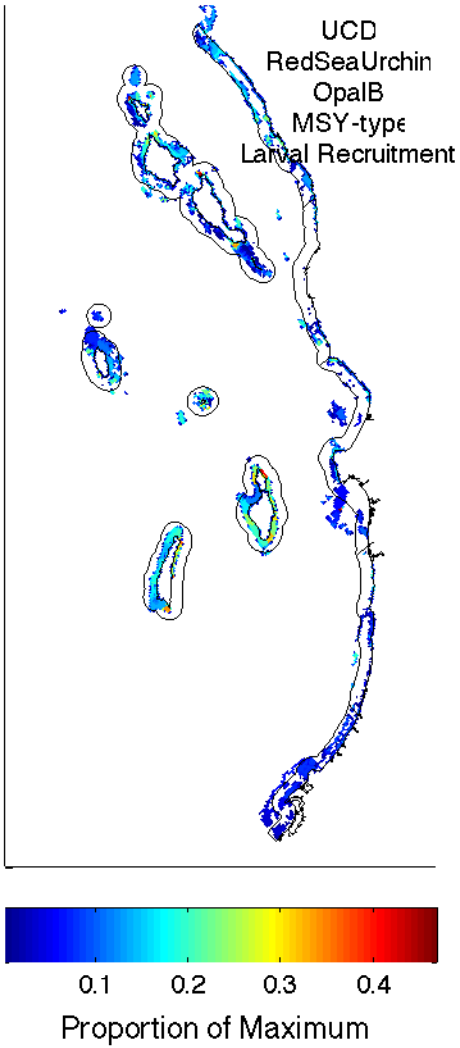

0
0.2
0.4
0.6
Relative to unfished

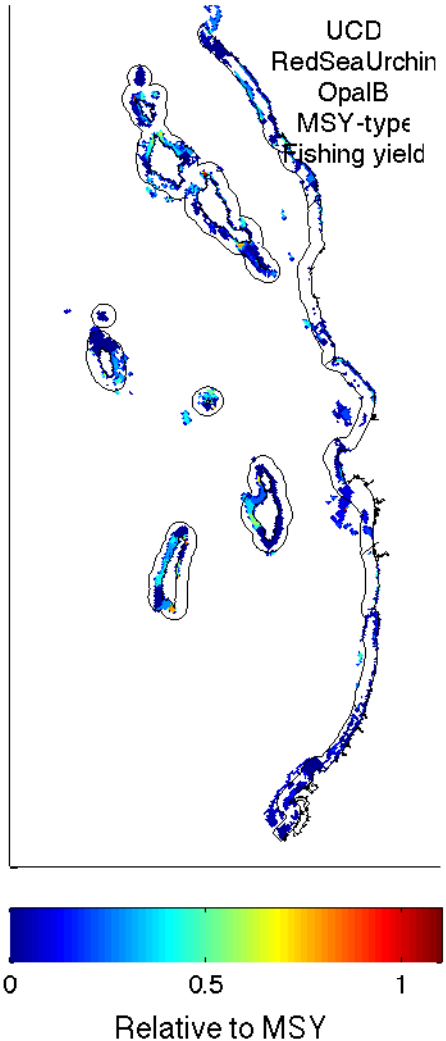

UCSB
RedSeaUrchin
OpalB
MSY-type
Biomass

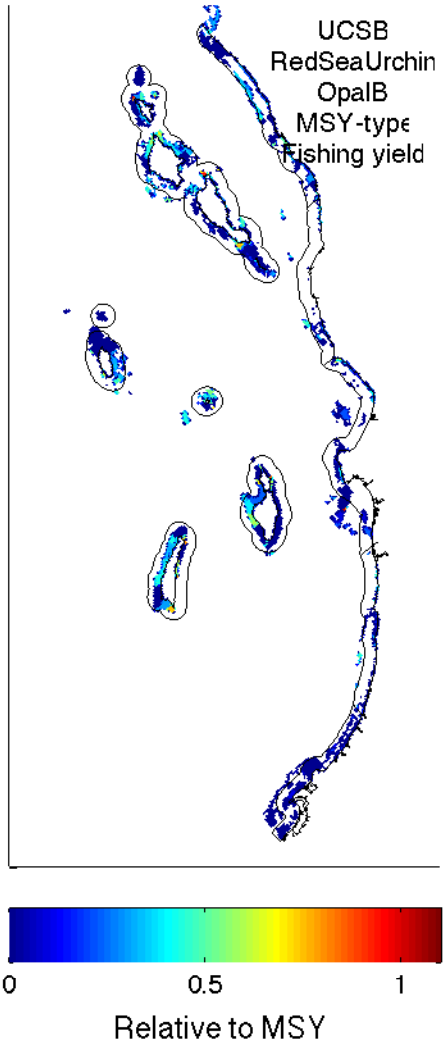

0
0.2
0.4
0.6
Relative to unfished

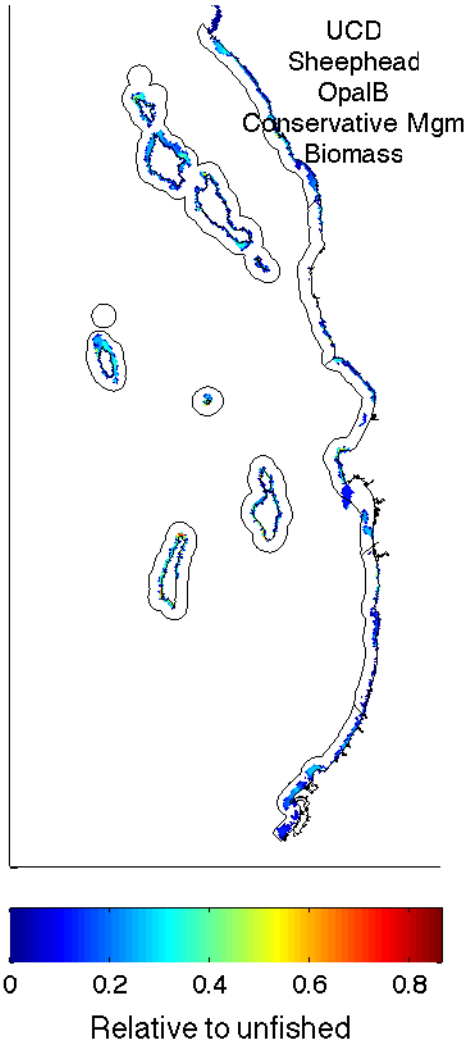

UCD
RedSeaUrchin
OpalB
MSY-type
Fishing effort
0
0.5
1
Relative to MSY maximum effort

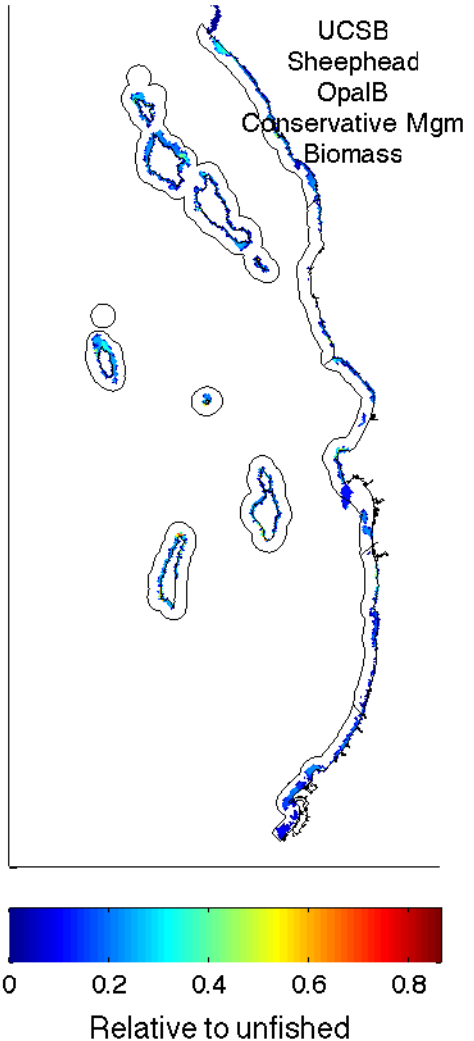

UCSB
RedSeaUrchin
OpalB
MSY-type
Fishing effort
0
2
4
6
8
Relative to MSY maximum effort

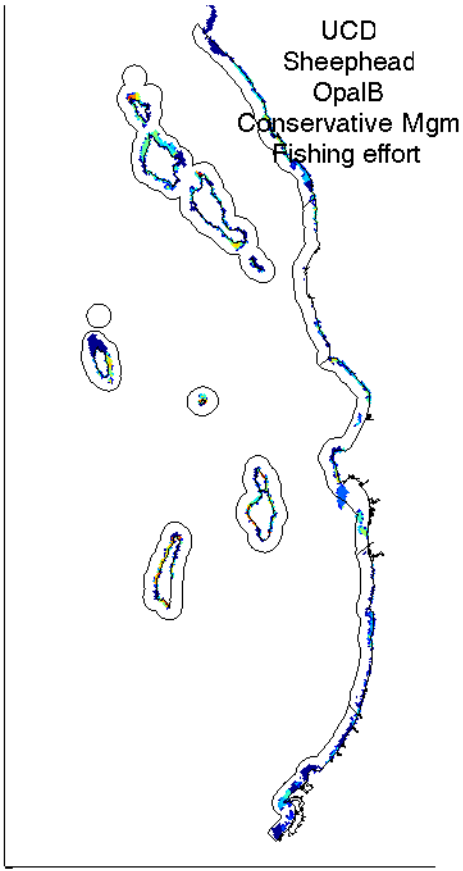

UCD
RedSeaUrchin
OpalB
MSY-type
Larval Recruitment
0.1
0.2
0.3
0.4
Proportion of Maximum

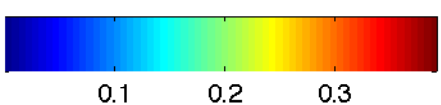

UCD
RedSeaUrchin
OpalB
MSY-type
Fishing yield
0
0.5
1
Relative to MSY


UCSB
RedSeaUrchin
OpalB
MSY-type
Fishing yield
0
0.5
1
Relative to MSY

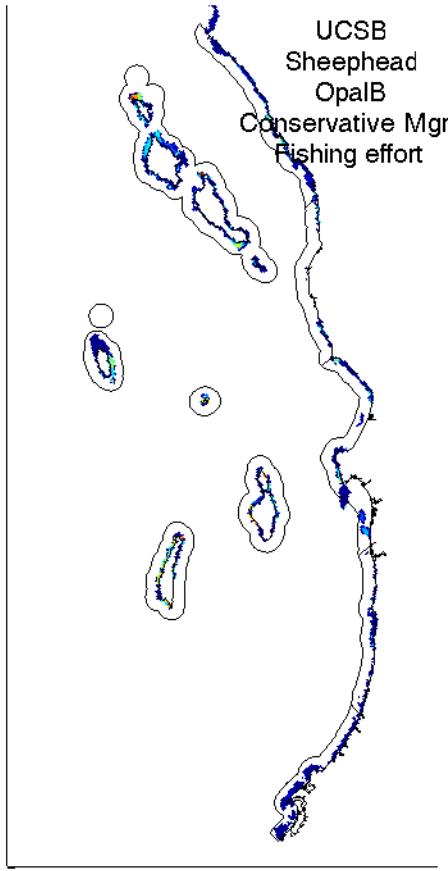

UCD
Sheephead
OpalB
Conservative Mgm
Biomass
0
0.2
0.4
0.6
0.8
Relative to unfished

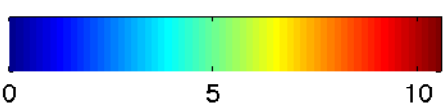

UCSB
Sheephead
OpalB
Conservative Mgm
Biomass
0
0.2
0.4
0.6
0.8
Relative to unfished



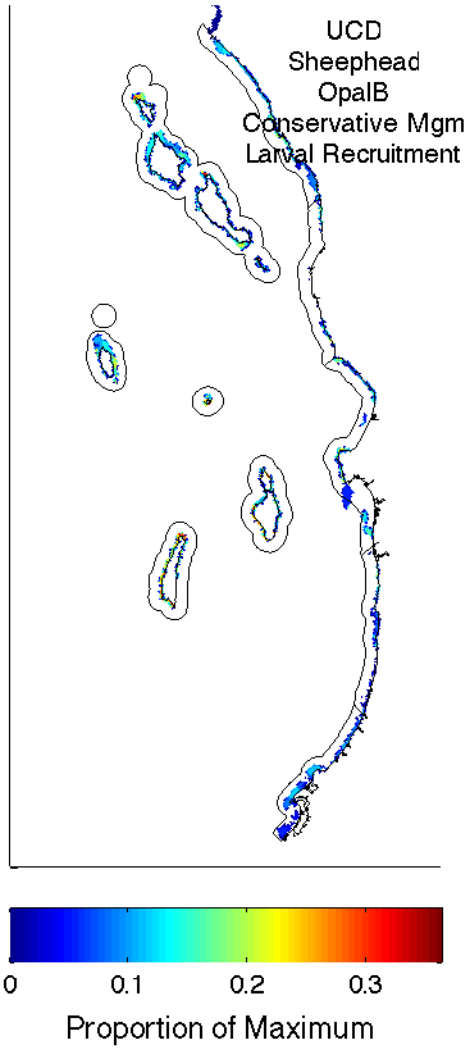


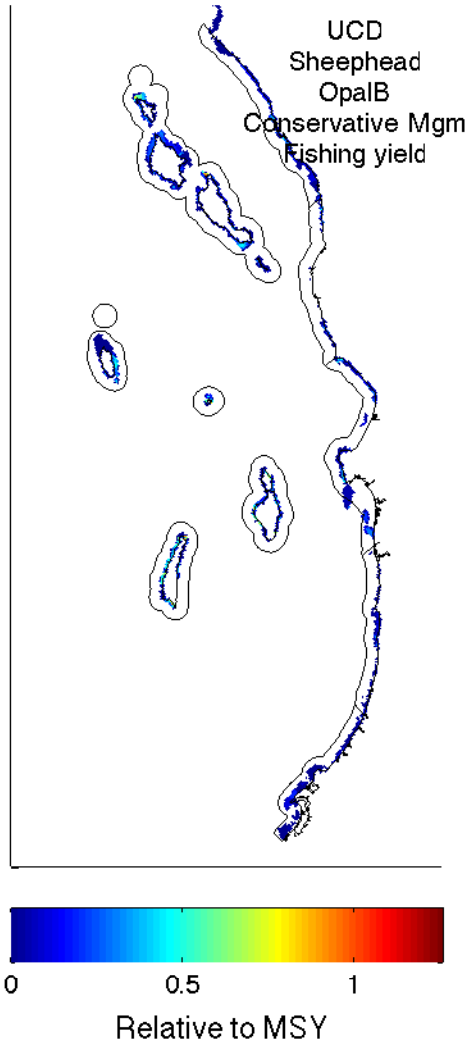
Relative to MSY maximum effort

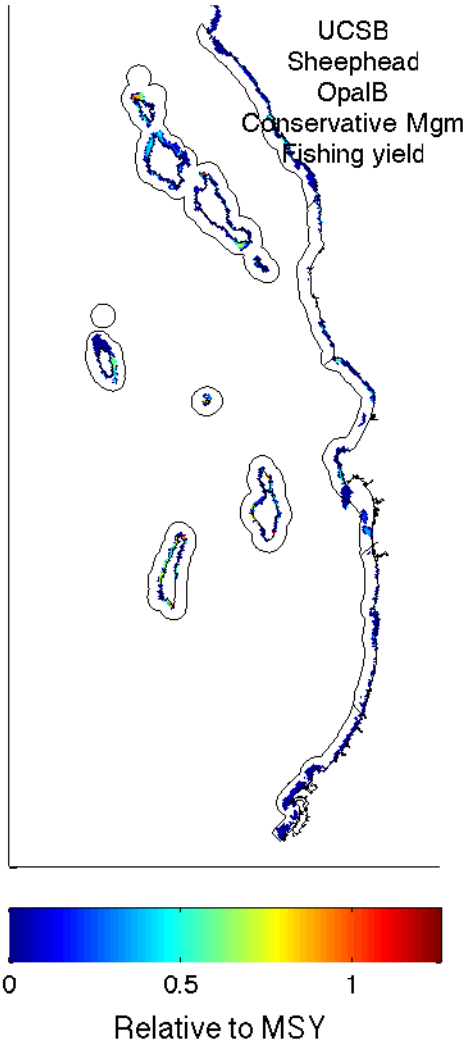


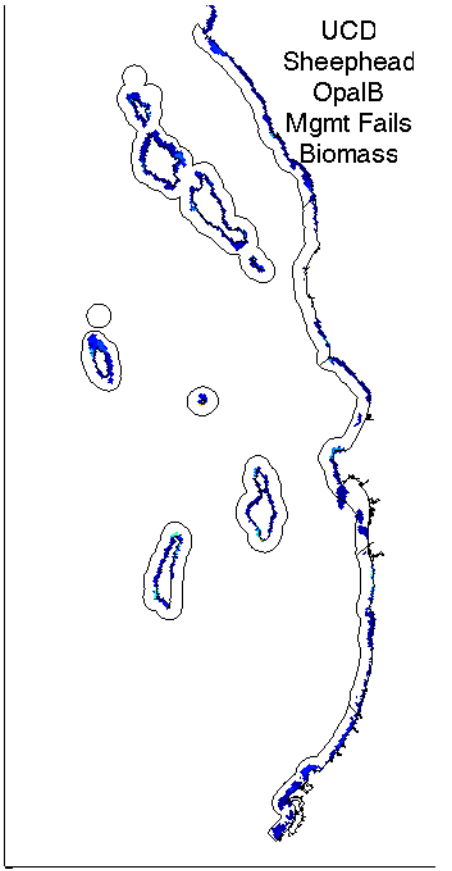


Relative to MSY maximum effort

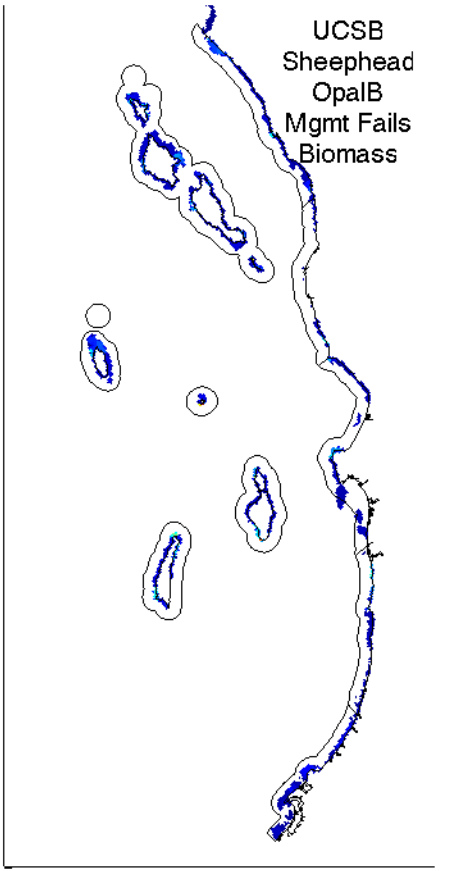

UCD
Sheephead
OpalB
Conservative Mgm
Larval Recruitment
0
0.1
0.2
0.3
Proportion of Maximum


UCD
Sheephead
OpalB
Conservative Mgm
Fishing yield
0
0.5
1
Relative to MSY

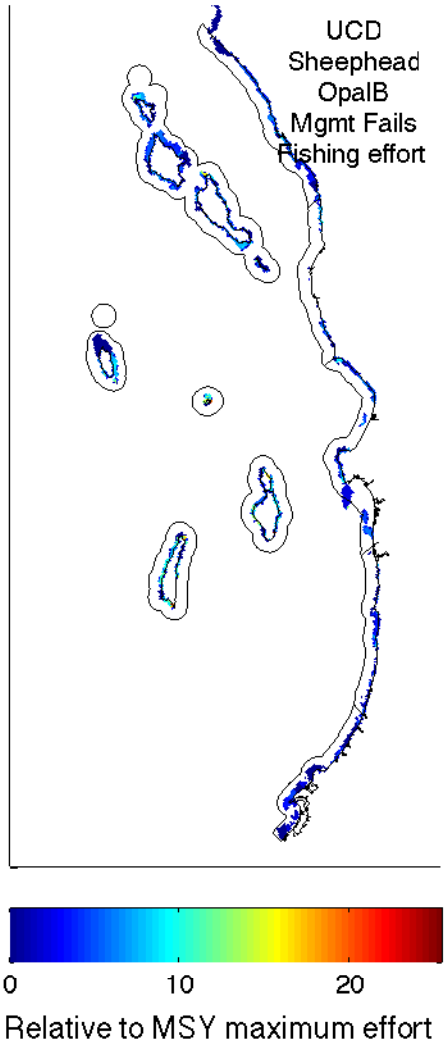

UCSB
Sheephead
OpalB
Conservative Mgm
Fishing yield
0
0.5
1
Relative to MSY

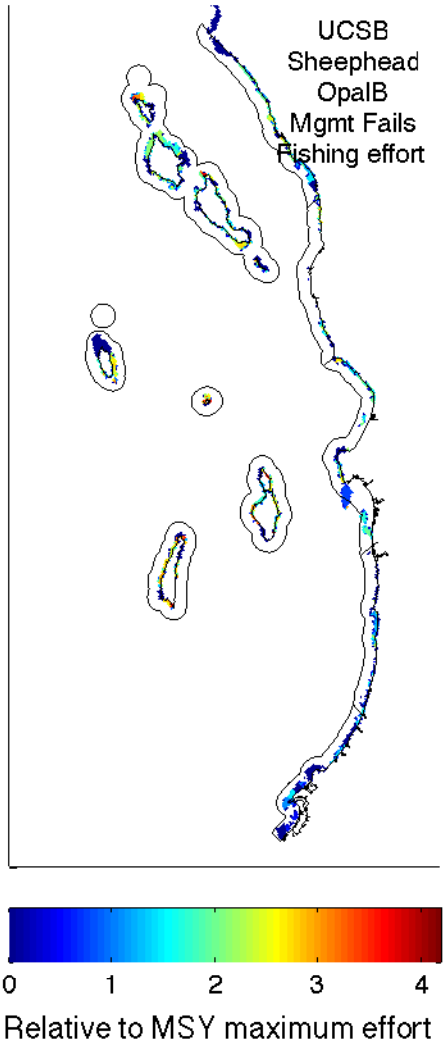


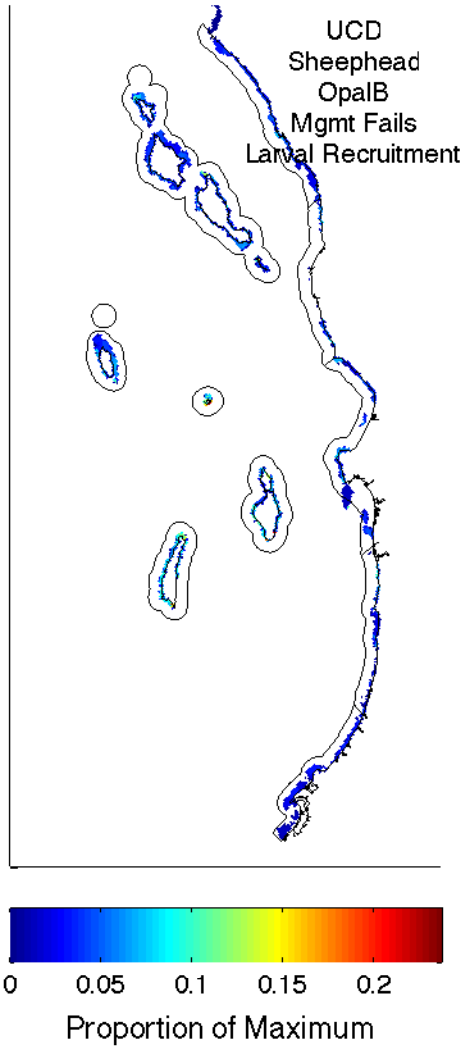
Relative to unfished

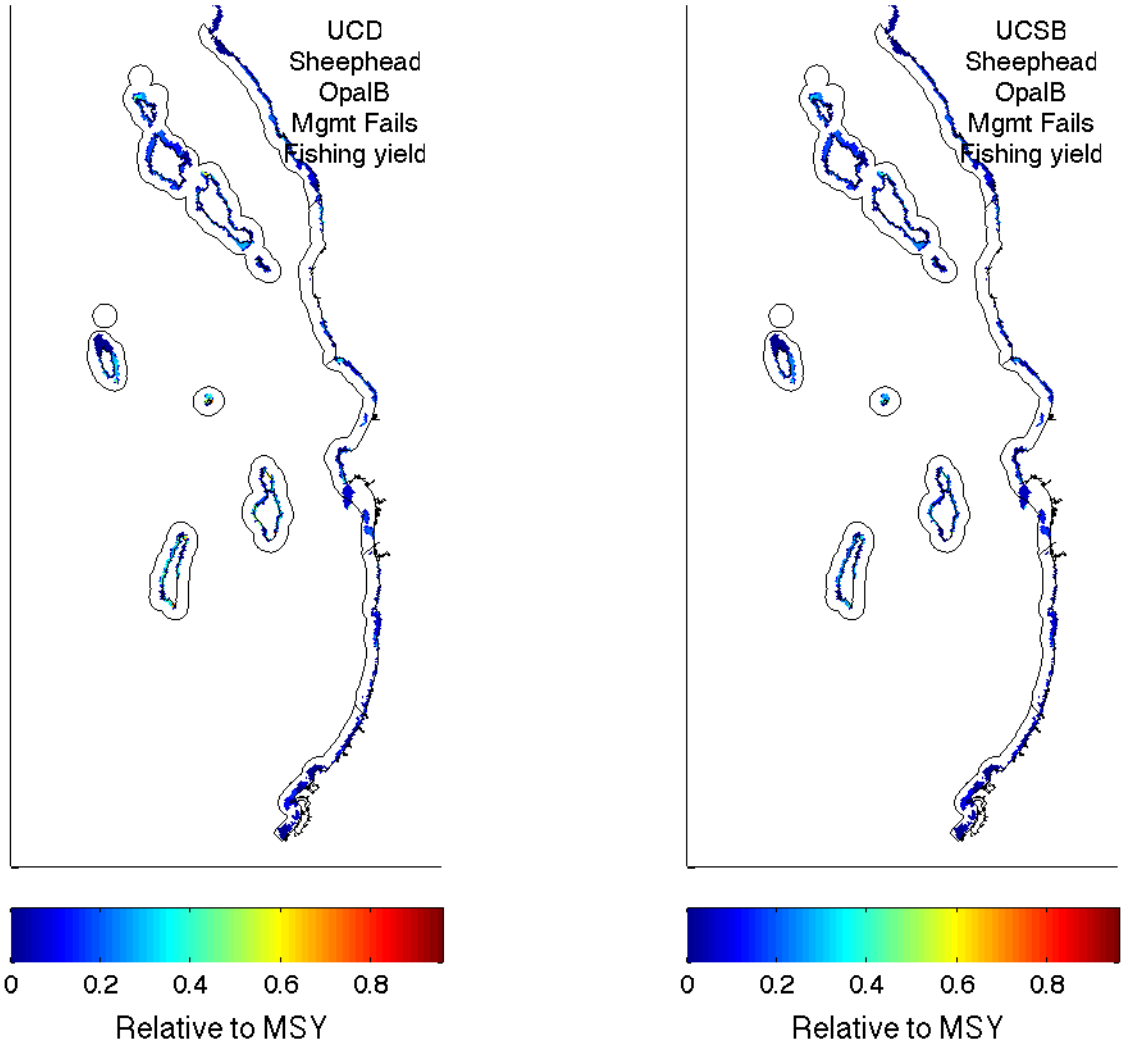


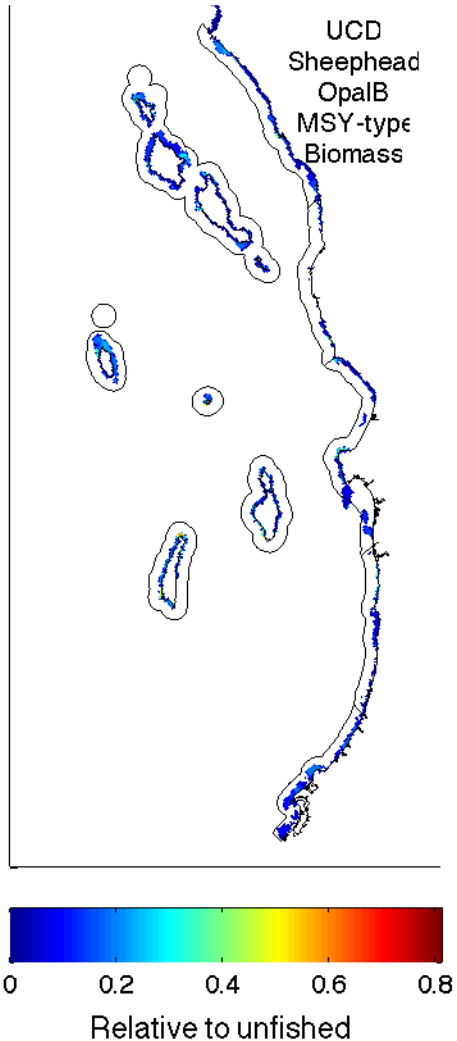
Relative to unfished

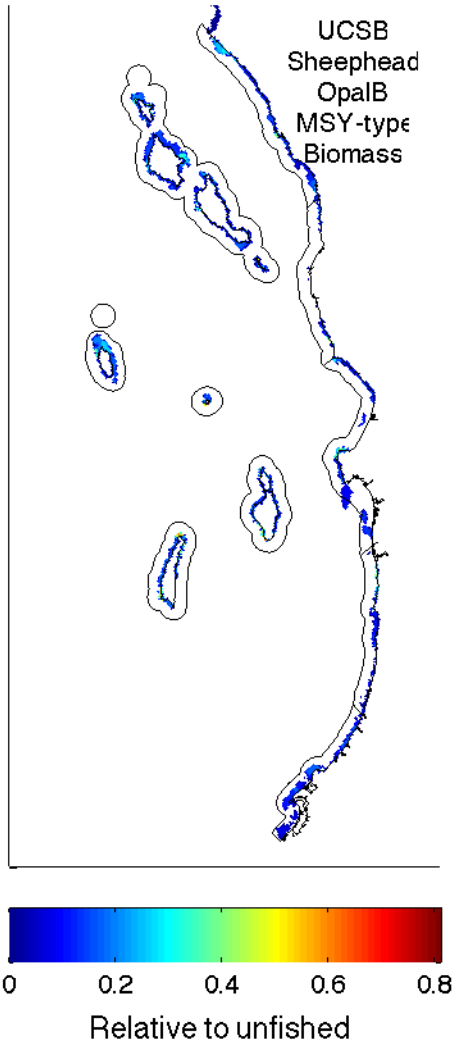

UCD
Sheephead
OpalB
Mgmt Fails
Fishing effort
0
10
20
Relative to MSY maximum effort

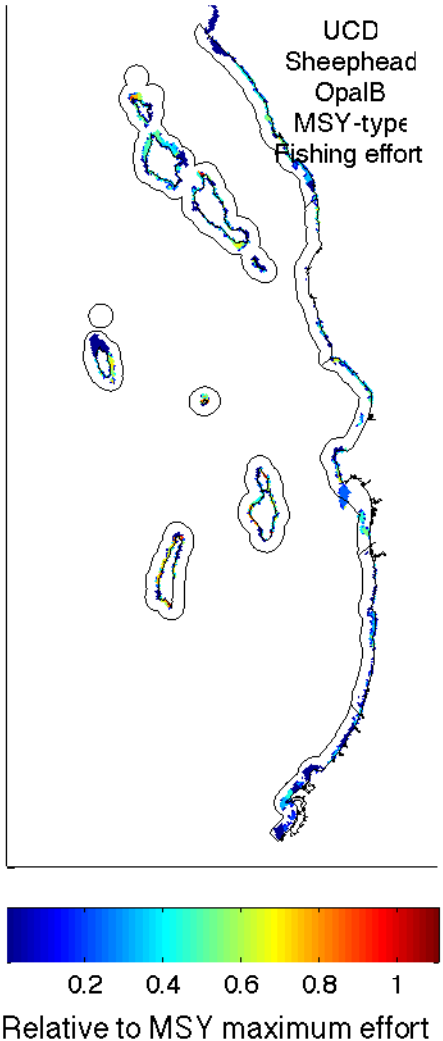

UCSB
Sheephead
OpalB
Mgmt Fails
Fishing effort
0
1
2
3
4
Relative to MSY maximum effort

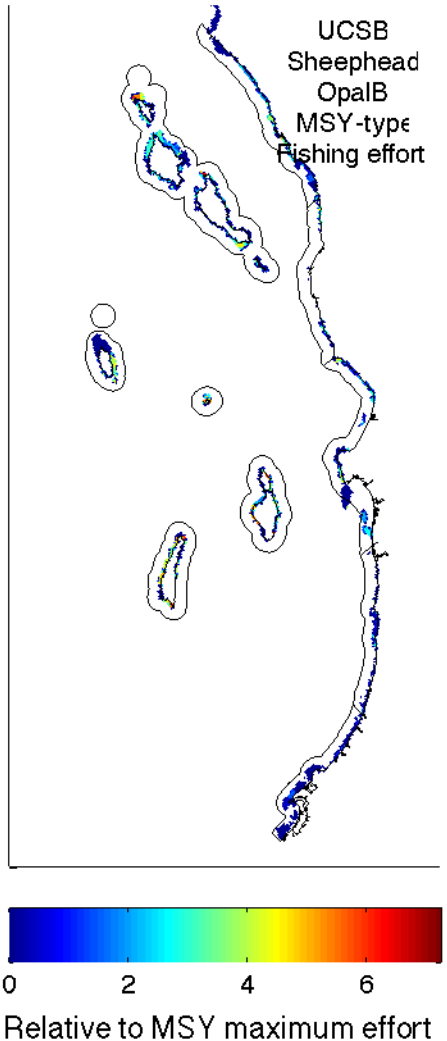

UCD
Sheephead
OpalB
Mgmt Fails
Larval Recruitment
0
0.05
0.1
0.15
0.2
Proportion of Maximum

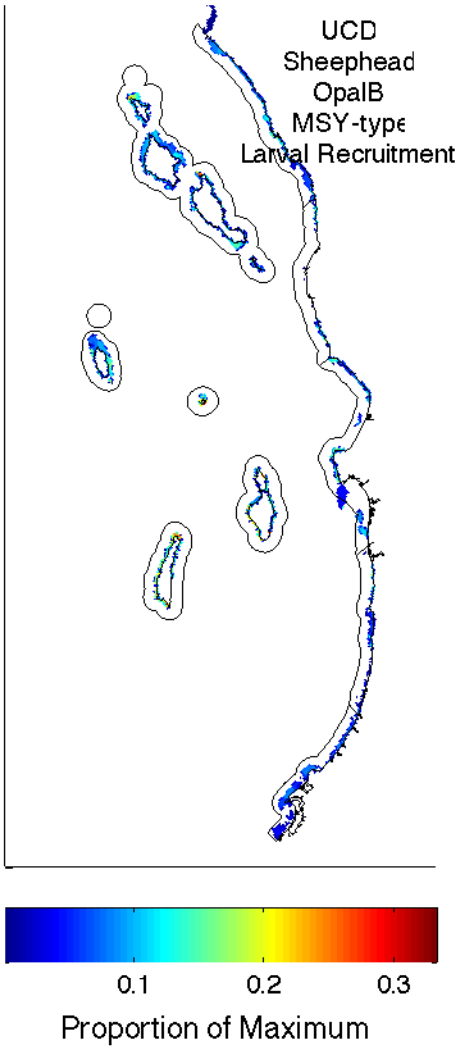

UCD
Sheephead
OpalB
Mgmt Fails
Fishing yield
0
0.2
0.4
0.6
0.8
Relative to MSY
UCSB
Sheephead
OpalB
Mgmt Fails
Fishing yield
0
0.2
0.4
0.6
0.8
Relative to MSY

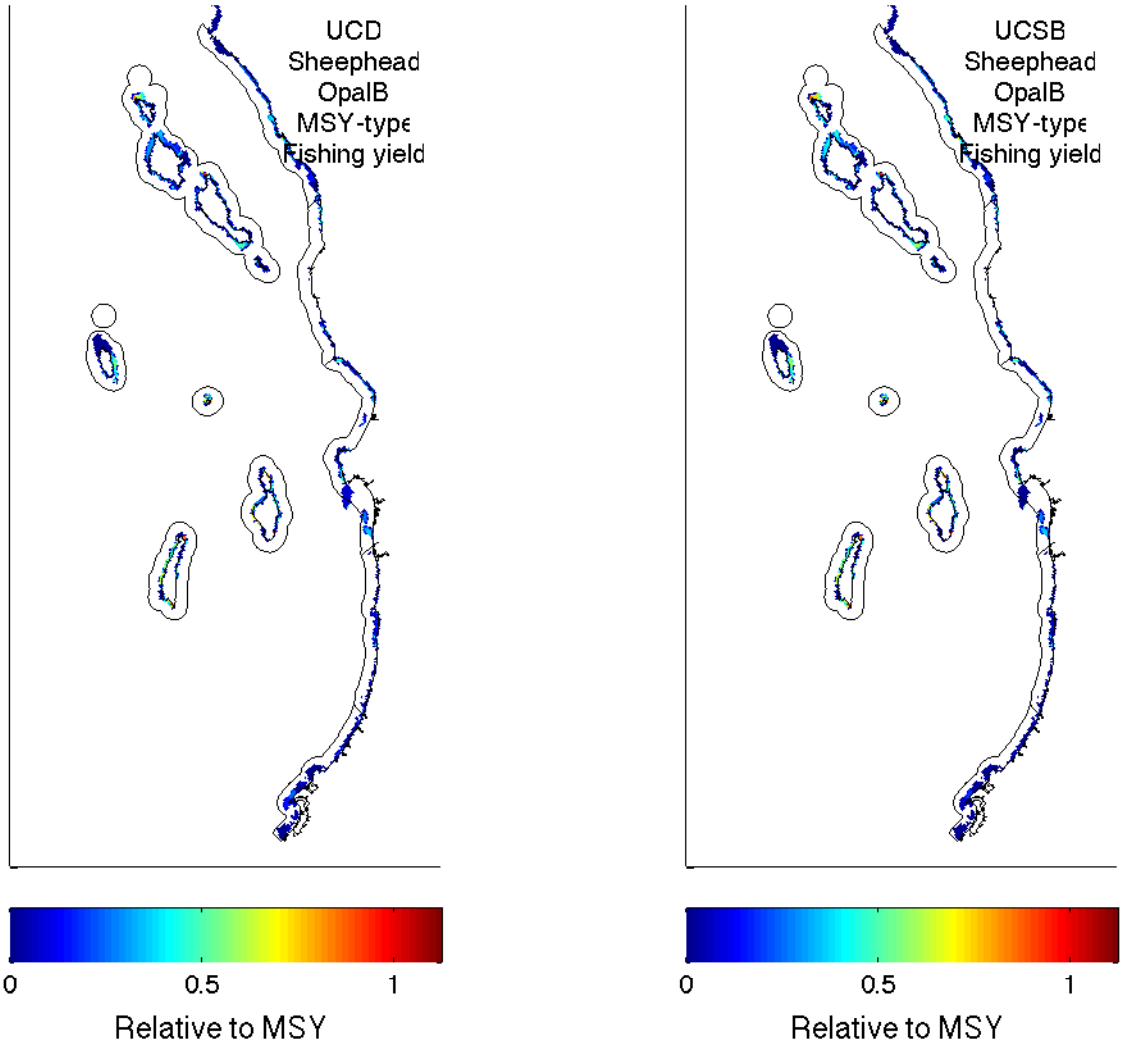

UCD
Sheephead
OpalB
MSY-type
Biomass
0
0.2
0.4
0.6
0.8
Relative to unfished


UCSB
Sheephead
OpalB
MSY-type
Biomass
0
0.2
0.4
0.6
0.8
Relative to unfished


UCD
Sheephead
OpalB
MSY-type
Fishing effort
0.2
0.4
0.6
0.8
1
Relative to MSY maximum effort


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


UCD
Sheephead
OpalB
MSY-type
Larval Recruitment
0.1
0.2
0.3
Proportion of Maximum


UCD
Sheephead
OpalB
MSY-type
Fishing yield
0
0.5
1
Relative to MSY
UCSB
Sheephead
OpalB
MSY-type
Fishing yield
0
0.5
1
Relative to MSY