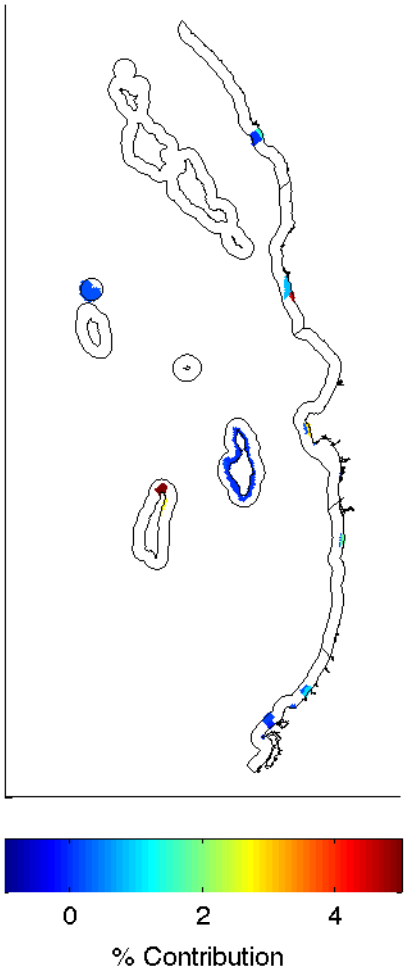
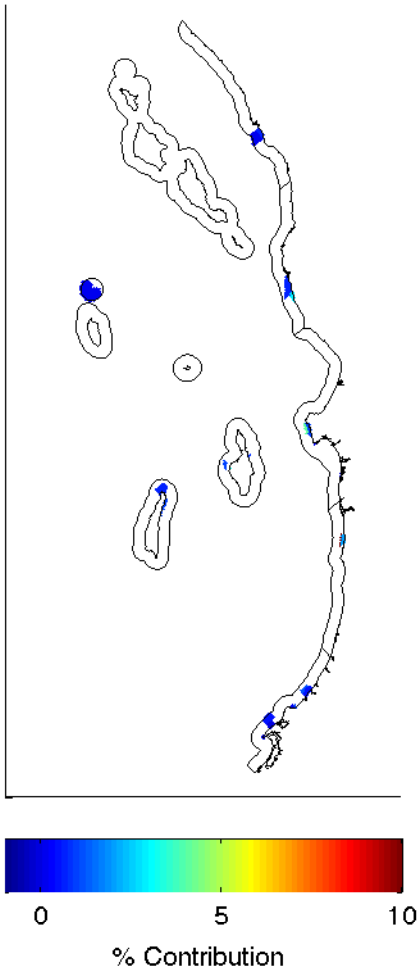
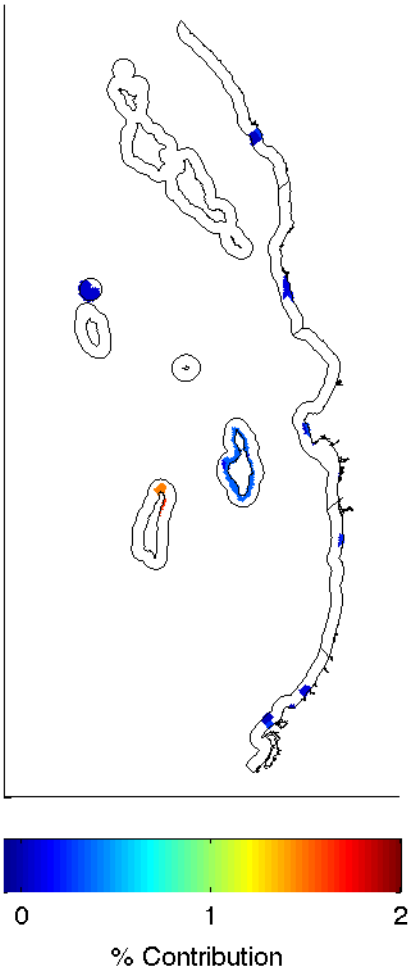
UCD Model
ExB
Unsuc Mgmt
Knockout Index



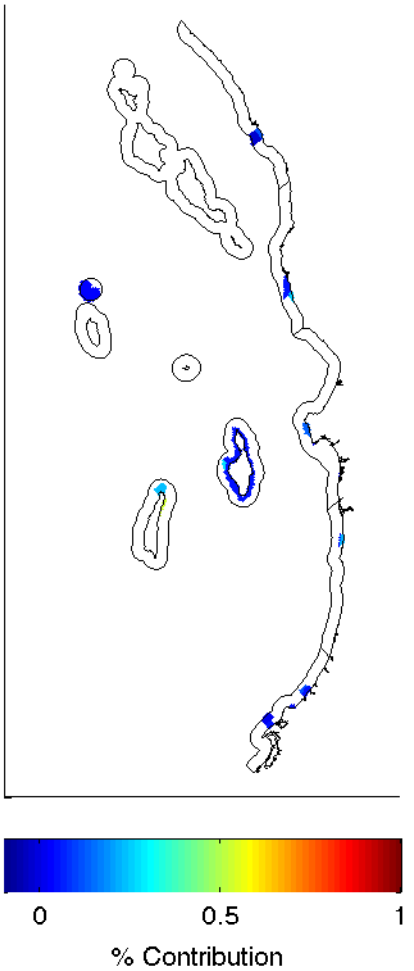
UCD Model
ExB
Unsuc Mgmt
Knockout Index, Scaled by Habitat

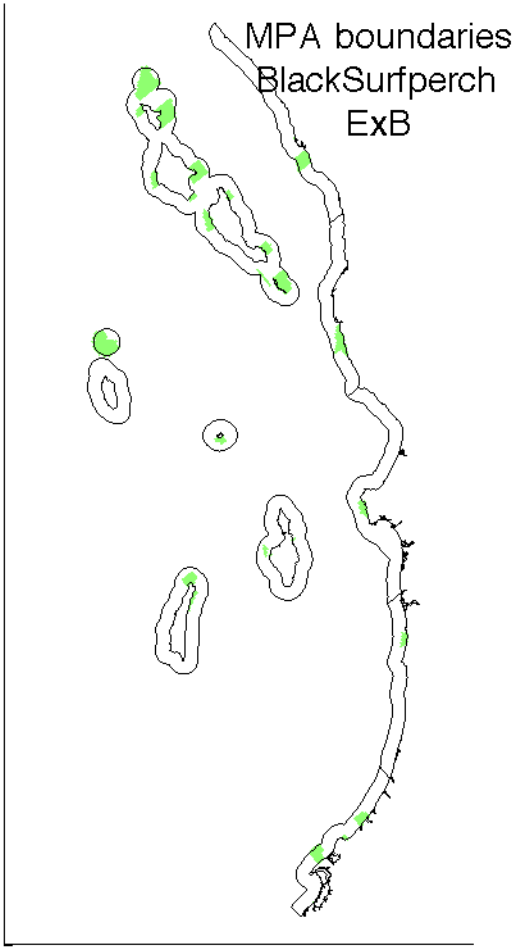


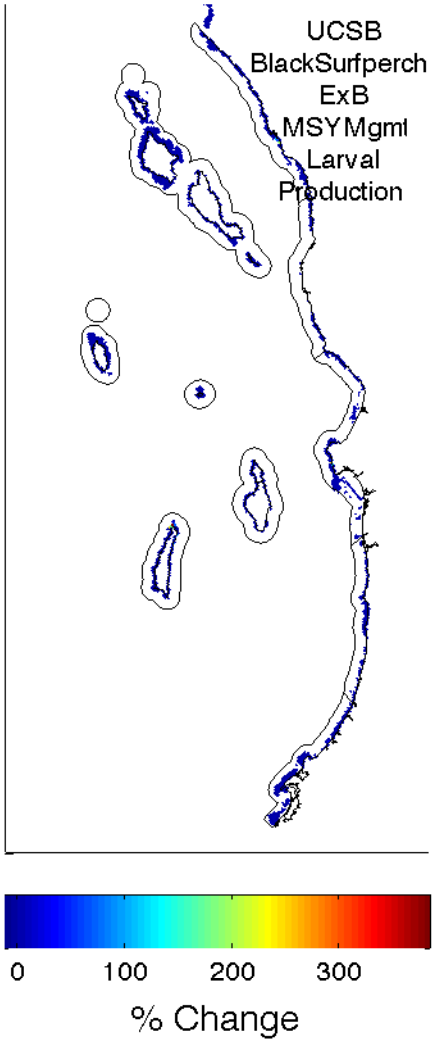
UCSB Model
ExB
MSY Mgmt
Knockout Index

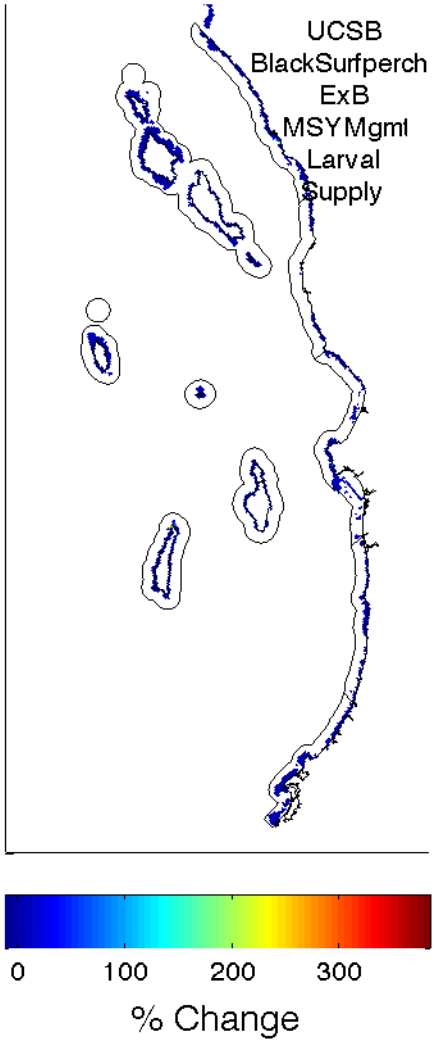


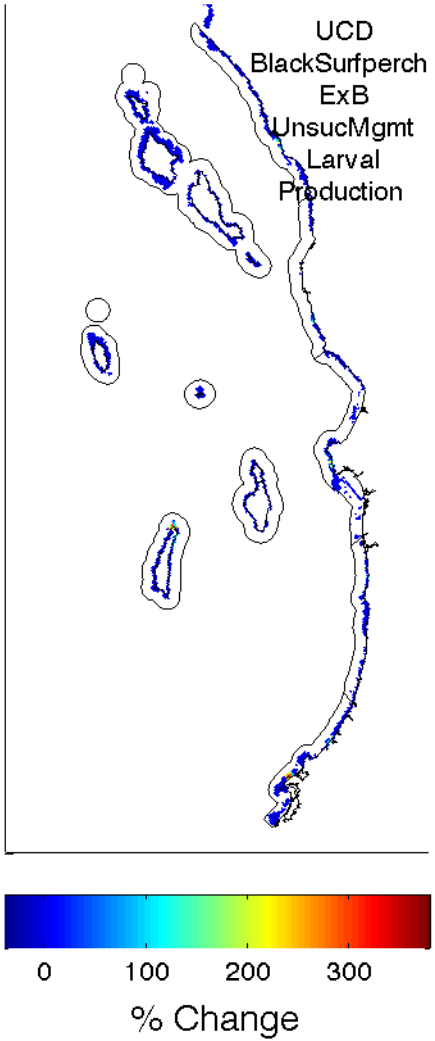
UCSB Model
ExB
MSY Mgmt
Knockout Index, Scaled by Habitat

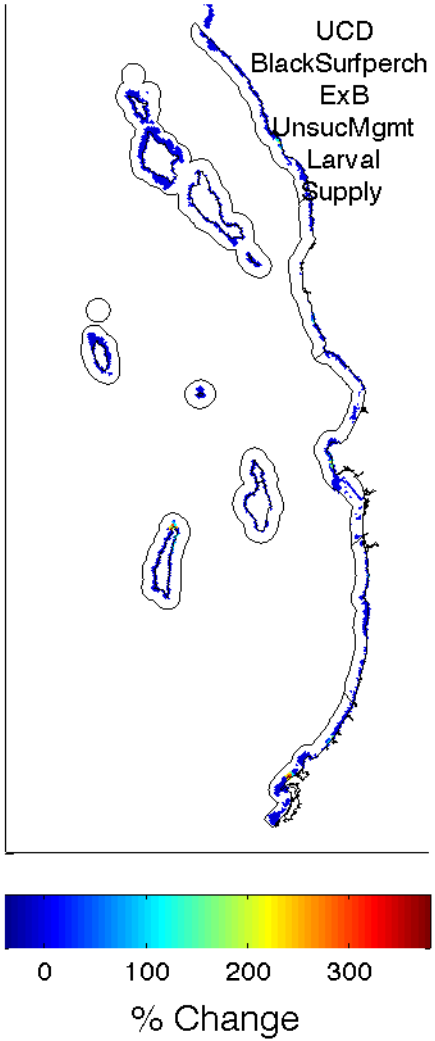


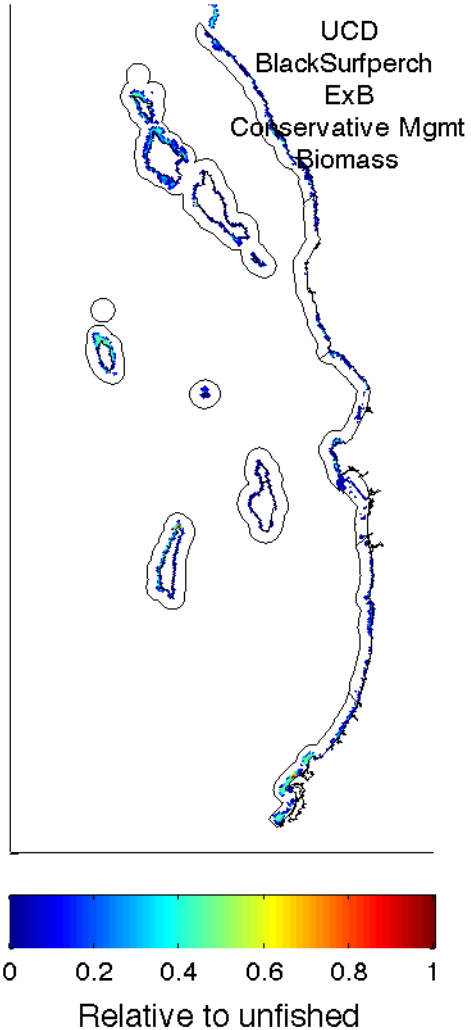

MPA boundaries
BlackSurfperch
ExB

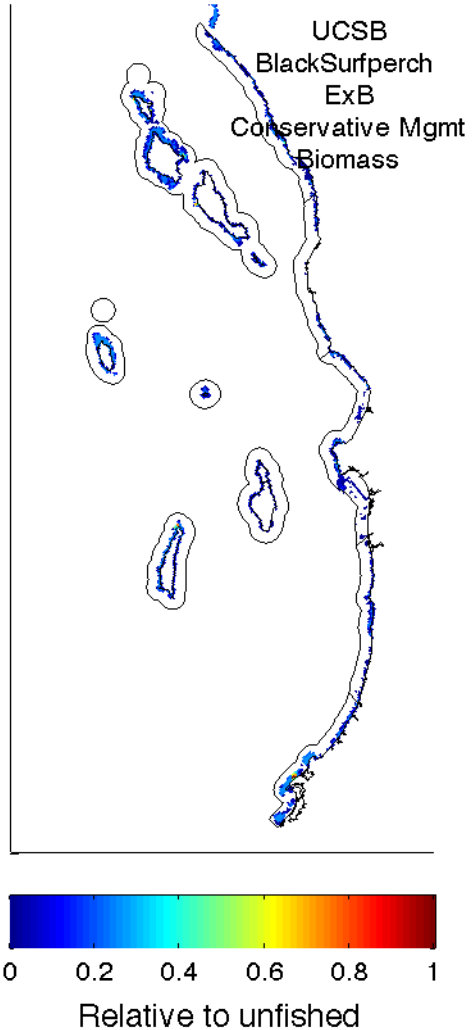

UCSB
BlackSurfperch
ExB
MSYMgmt
Larval
Production
0
100
200
300
% Change

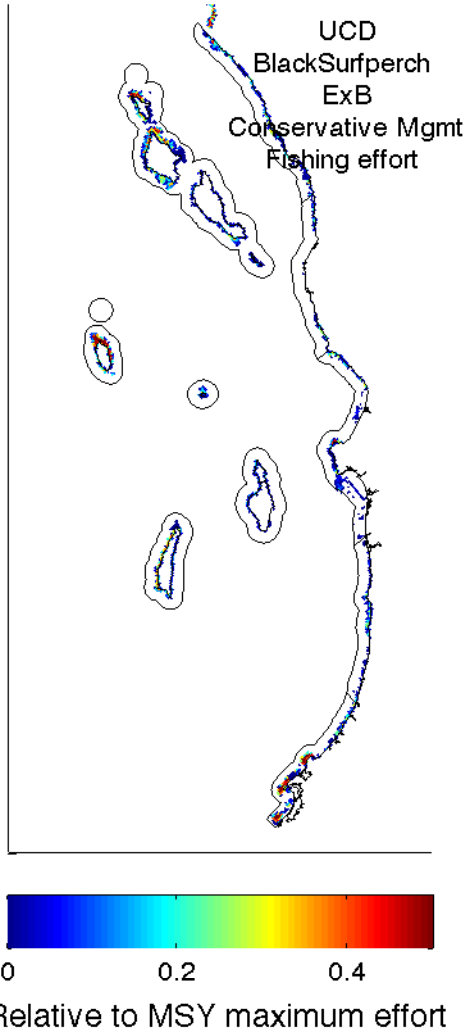

UCSB
BlackSurfperch
ExB
MSYMgmt
Larval
Supply
0
100
200
300
% Change

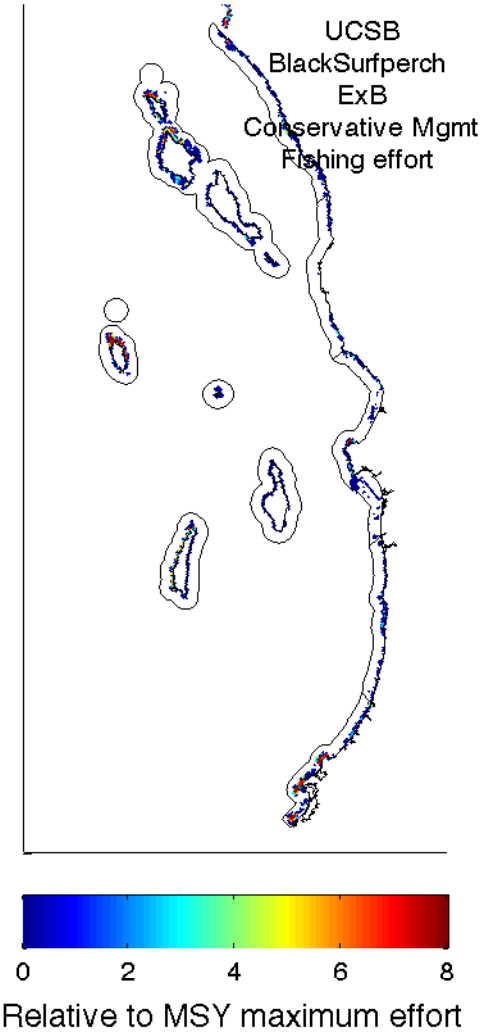

UCD
BlackSurfperch
ExB
UnsucMgmt
Larval
Production
0
100
200
300
% Change

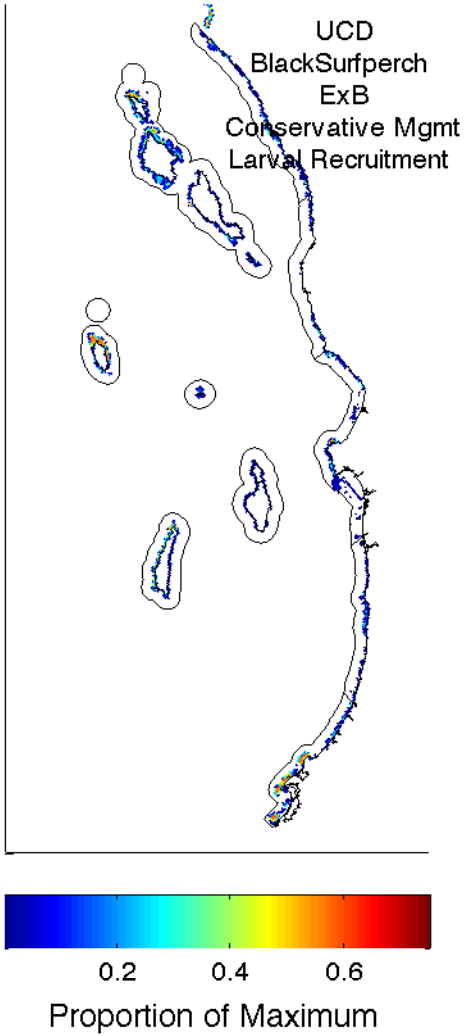

UCD
BlackSurfperch
ExB
UnsucMgmt
Larval
Supply
0
100
200
300
% Change

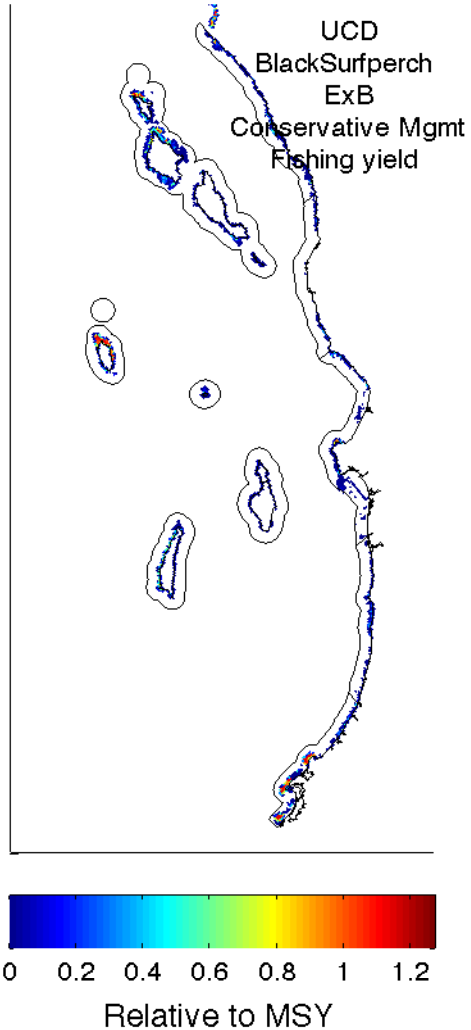

UCD
BlackSurfperch
ExB
Conservative Mgmt
Biomass
0
0.2
0.4
0.6
0.8
1
Relative to unfished

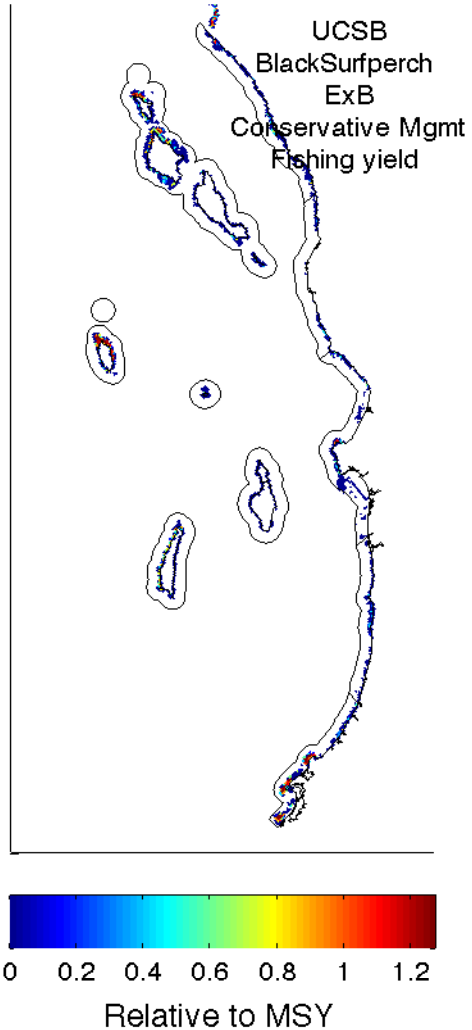

UCSB
BlackSurfperch
ExB
Conservative Mgmt
Biomass
0
0.2
0.4
0.6
0.8
1
Relative to unfished

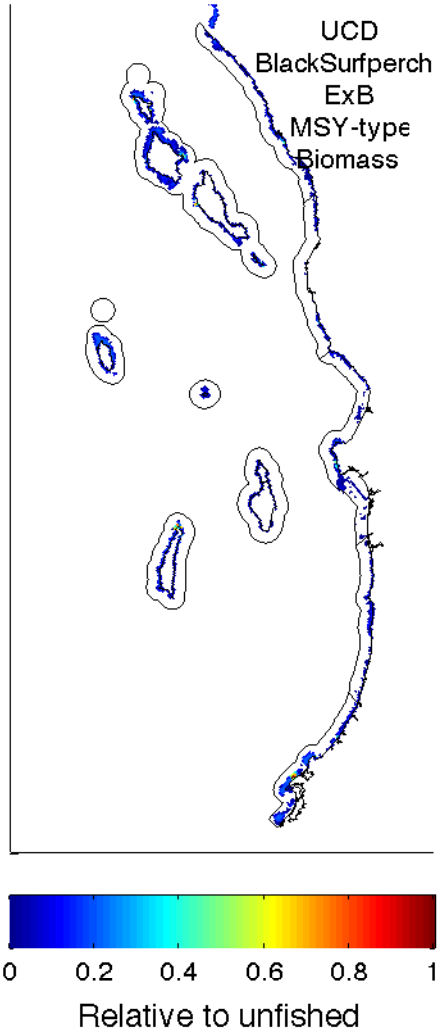

UCD
BlackSurfperch
ExB
Conservative Mgmt
Fishing effort
0
0.2
0.4
Relative to MSY maximum effort

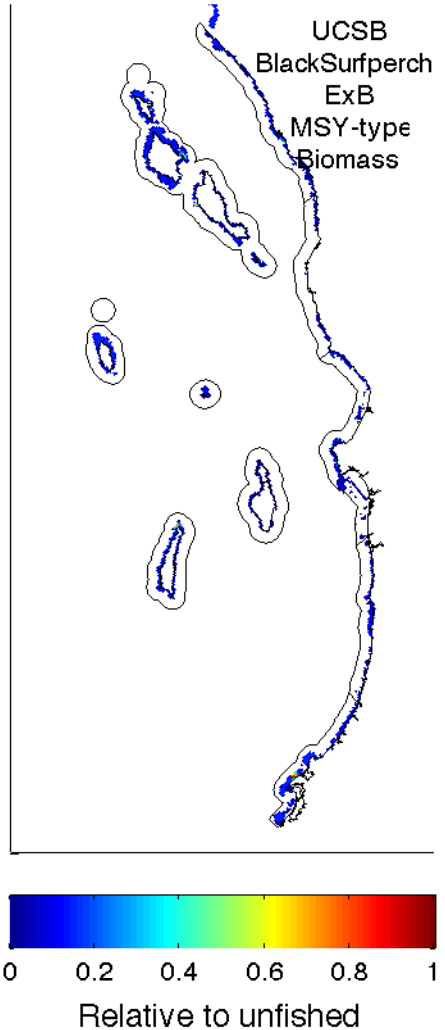

UCSB
BlackSurfperch
ExB
Conservative Mgmt
Fishing effort
0
2
4
6
8
Relative to MSY maximum effort

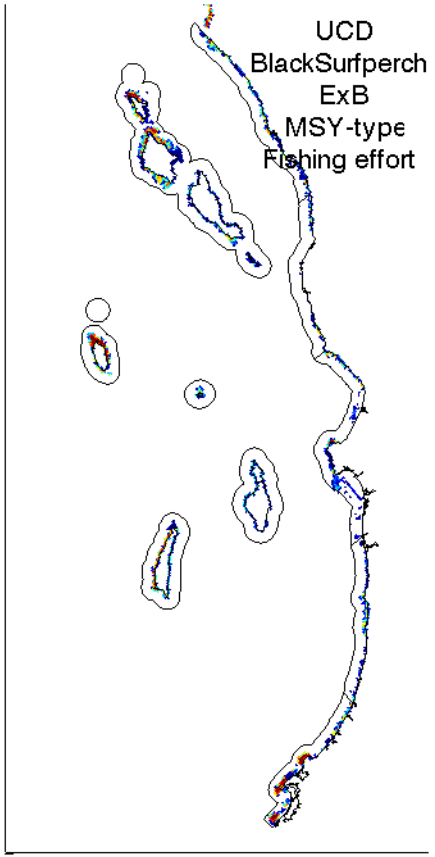

UCD
BlackSurfperch
ExB
Conservative Mgmt
Larval Recruitment
0.2
0.4
0.6
Proportion of Maximum

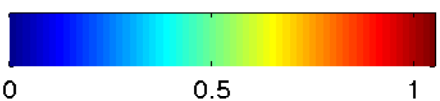

UCD
BlackSurfperch
ExB
Conservative Mgmt
Fishing yield
0
0.2
0.4
0.6
0.8
1
1.2
Relative to MSY


UCSB
BlackSurfperch
ExB
Conservative Mgmt
Fishing yield
0
0.2
0.4
0.6
0.8
1
1.2
Relative to MSY

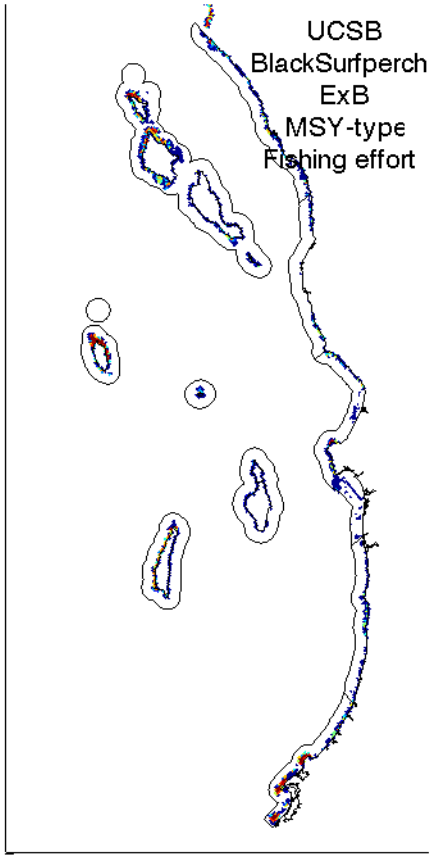

UCD
BlackSurfperch
ExB
MSY-type
Biomass
0
0.2
0.4
0.6
0.8
1
Relative to unfished

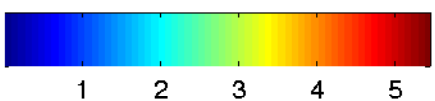

UCSB
BlackSurfperch
ExB
MSY-type
Biomass
0
0.2
0.4
0.6
0.8
1
Relative to unfished



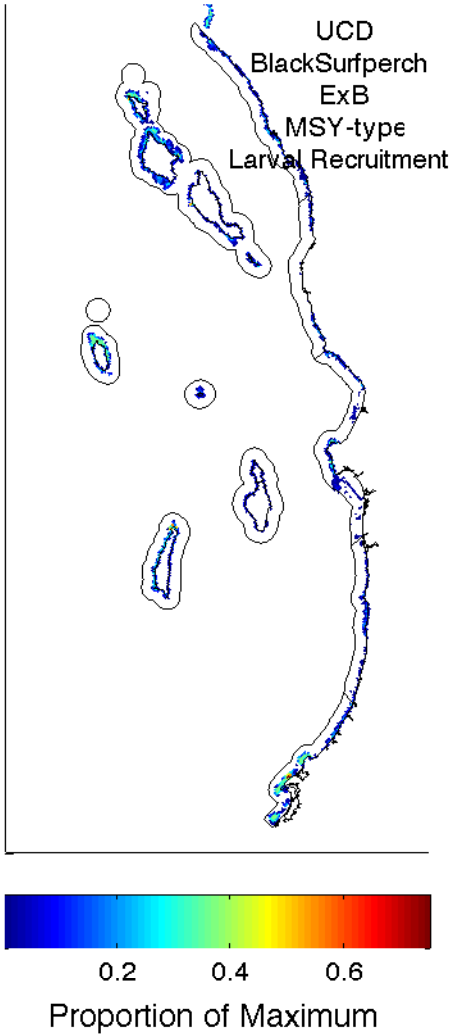


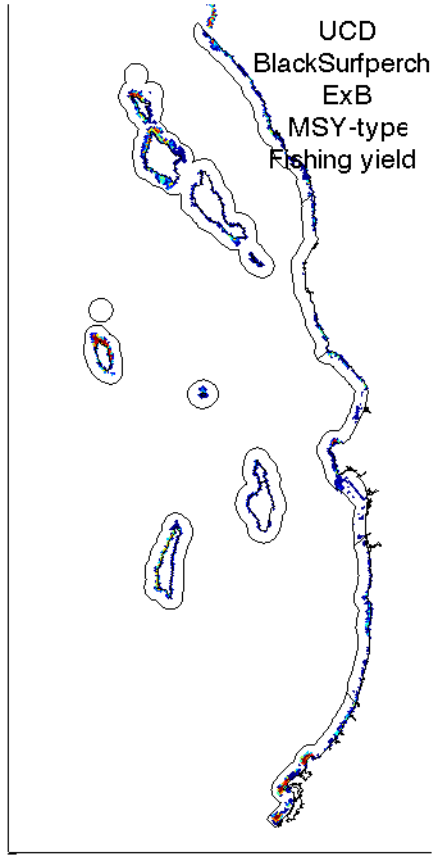
Relative to MSY maximum effort

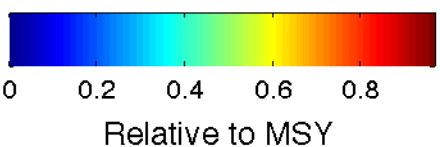


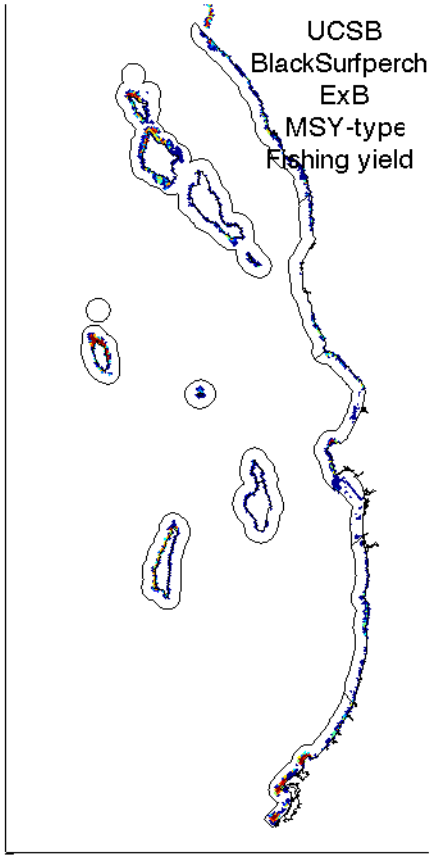


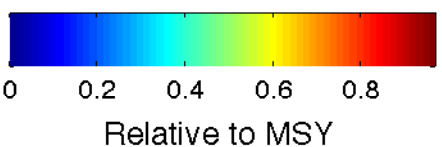
Relative to MSY maximum effort

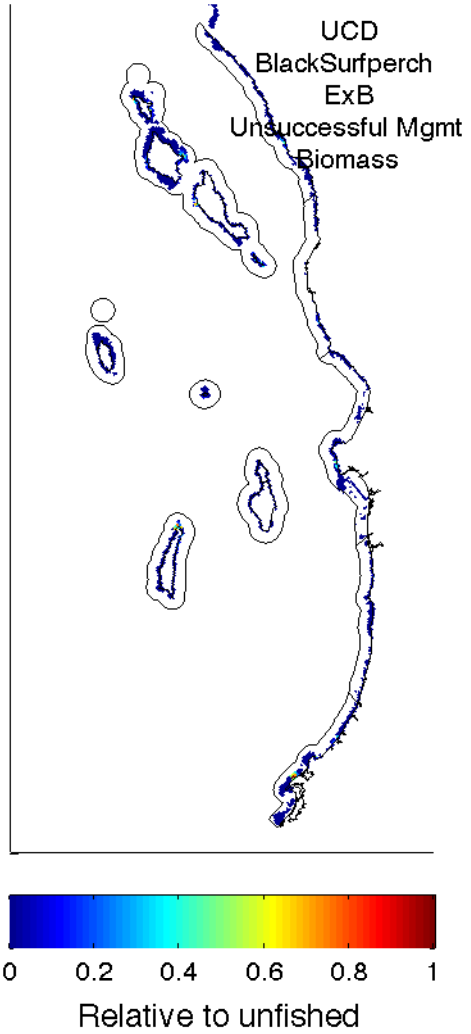

UCD
BlackSurfperch
ExB
MSY-type
Larval Recruitment
0.2
0.4
0.6
Proportion of Maximum

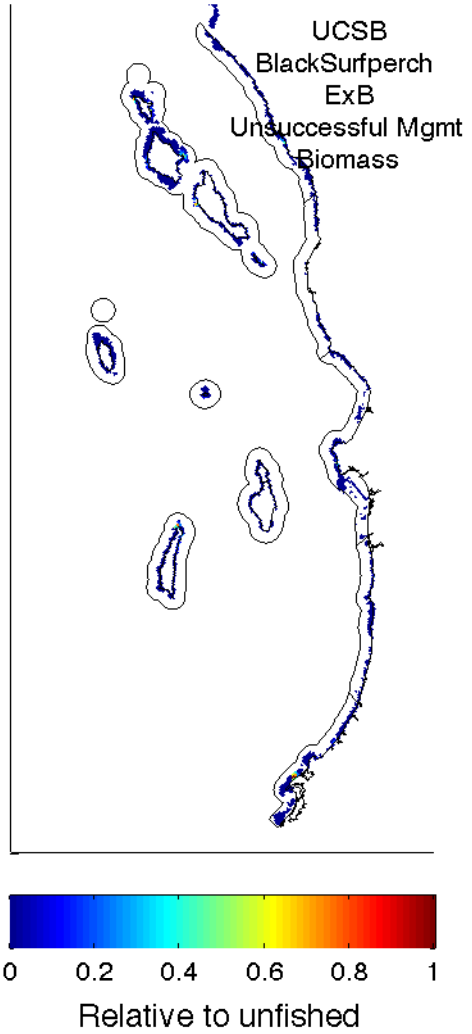

UCD
BlackSurfperch
ExB
MSY-type
Fishing yield

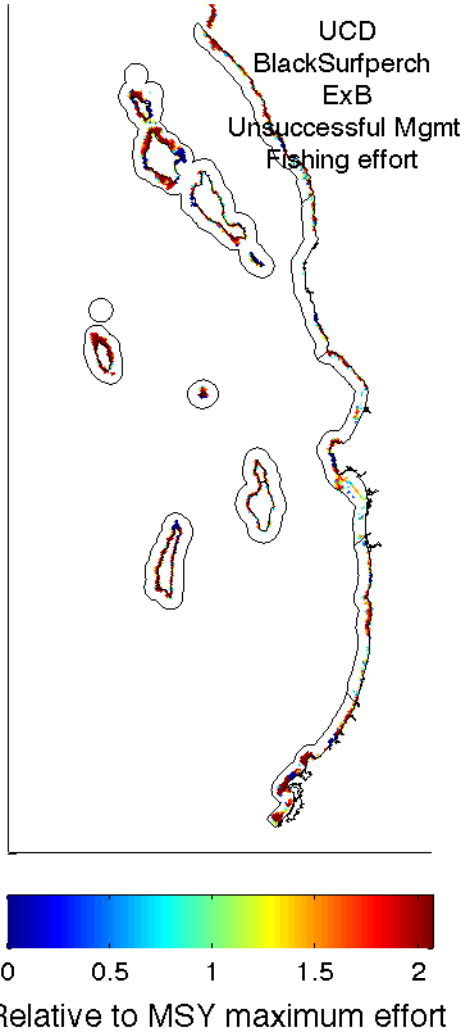

0
0.2
0.4
0.6
0.8
Relative to MSY

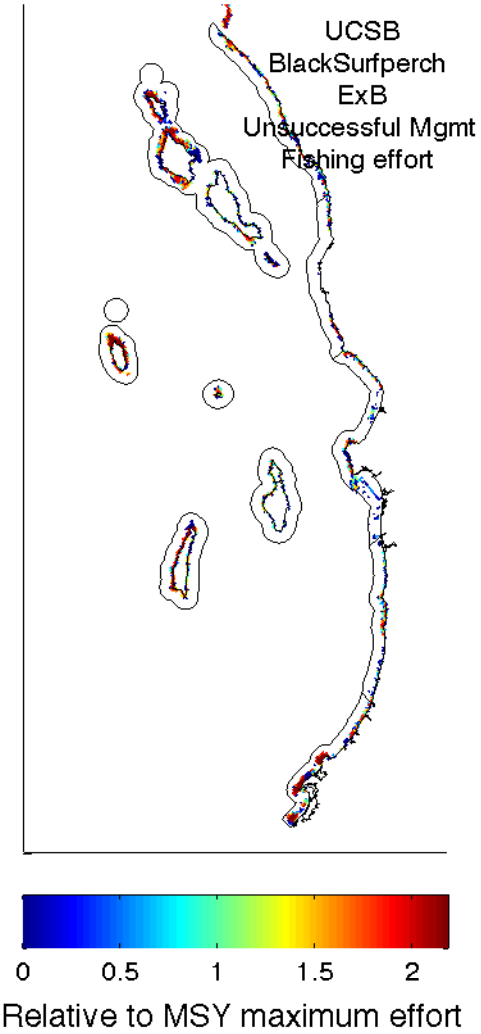

UCSB
BlackSurfperch
ExB
MSY-type
Fishing yield

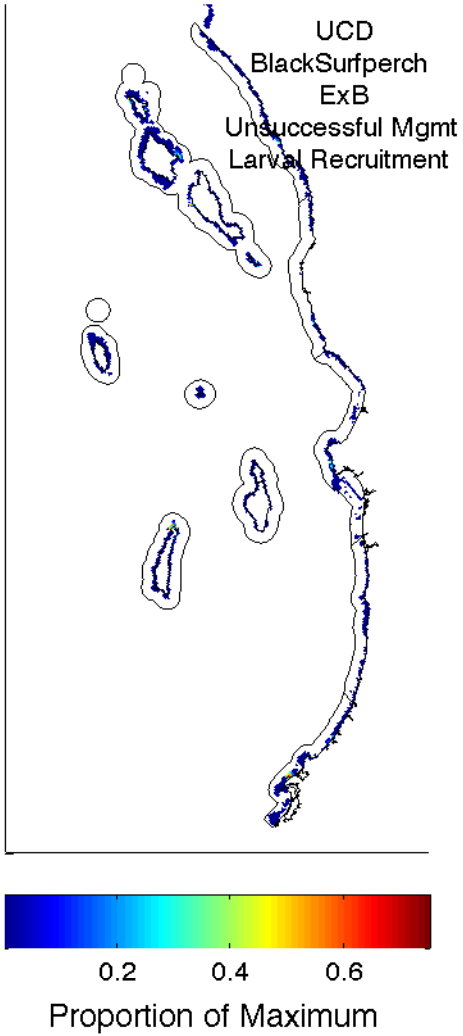

0
0.2
0.4
0.6
0.8
Relative to MSY

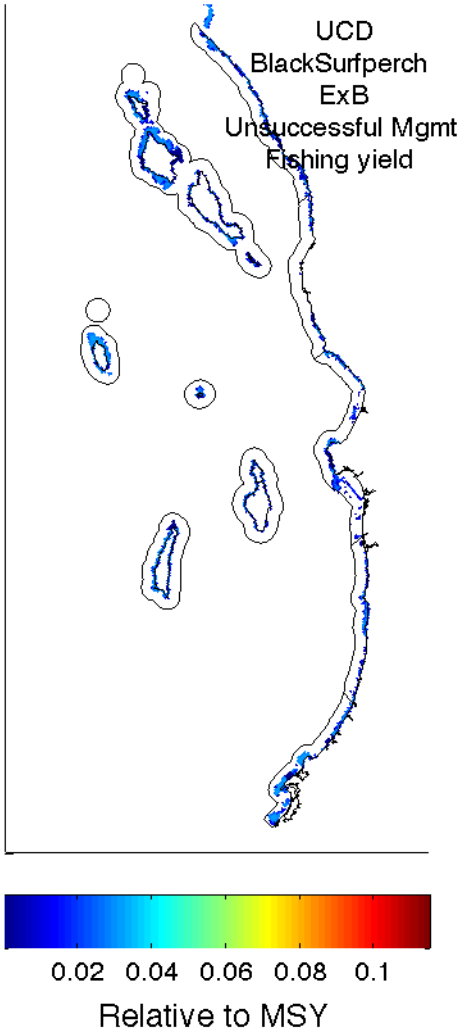

UCD
BlackSurfperch
ExB
Unsuccessful Mgmt
Biomass
0
0.2
0.4
0.6
0.8
1
Relative to unfished

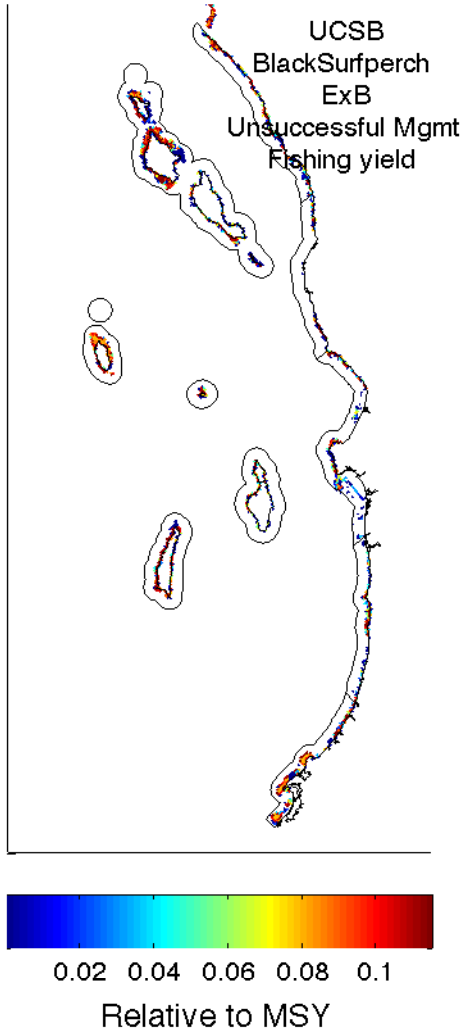

UCSB
BlackSurfperch
ExB
Unsuccessful Mgmt
Biomass
0
0.2
0.4
0.6
0.8
1
Relative to unfished

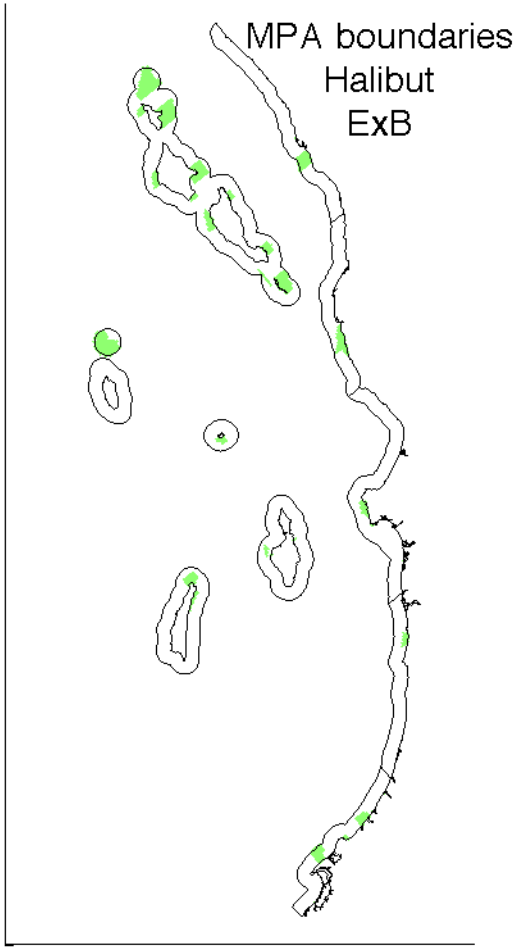

UCD
BlackSurfperch
ExB
Unsuccessful Mgmt
Fishing effort
0
0.5
1
1.5
2
Relative to MSY maximum effort

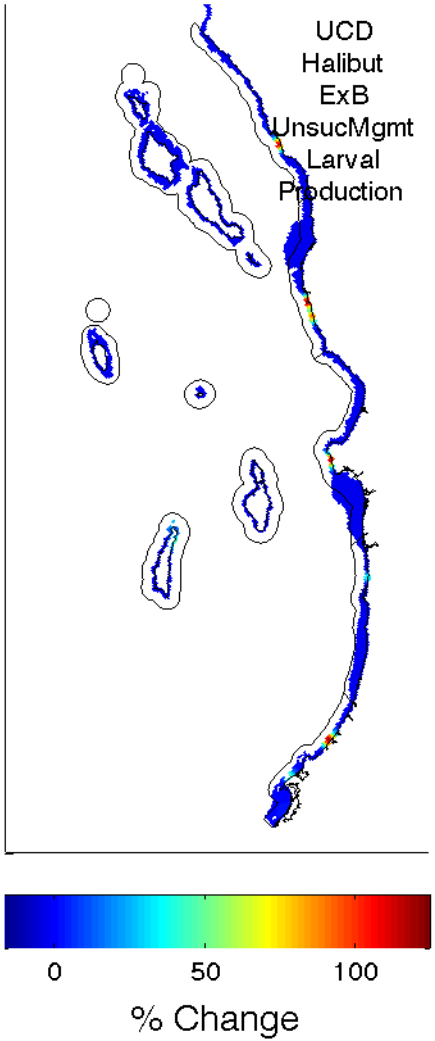

UCSB
BlackSurfperch
ExB
Unsuccessful Mgmt
Fishing effort
0
0.5
1
1.5
2
Relative to MSY maximum effort

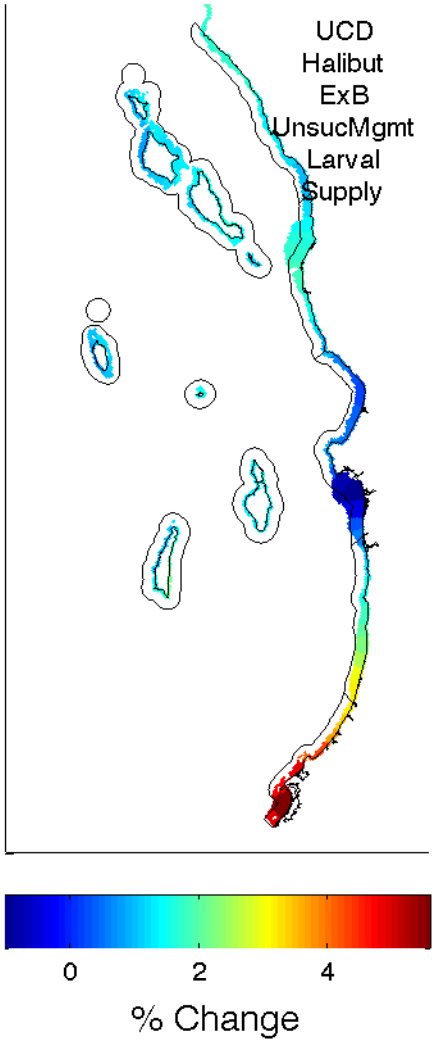

UCD
BlackSurfperch
ExB
Unsuccessful Mgmt
Larval Recruitment
0.2
0.4
0.6
Proportion of Maximum

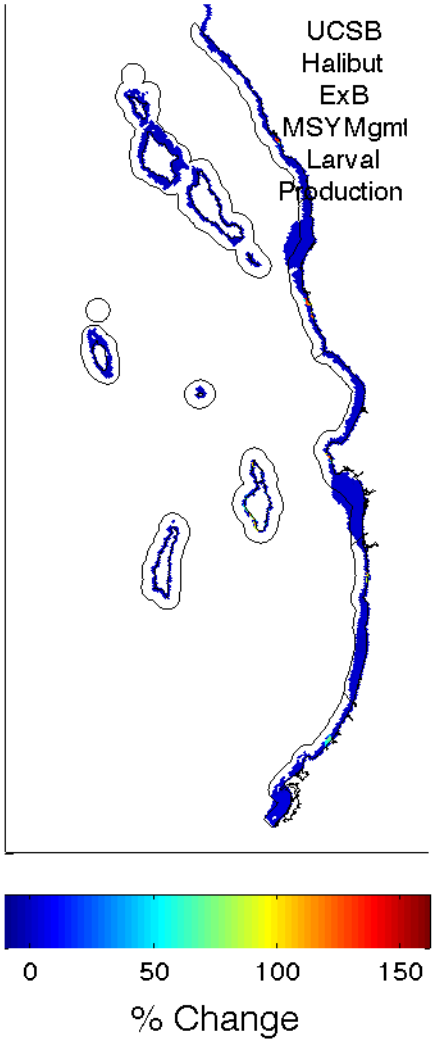

UCD
BlackSurfperch
ExB
Unsuccessful Mgmt
Fishing yield
0.02 0.04 0.06 0.08 0.1
Relative to MSY

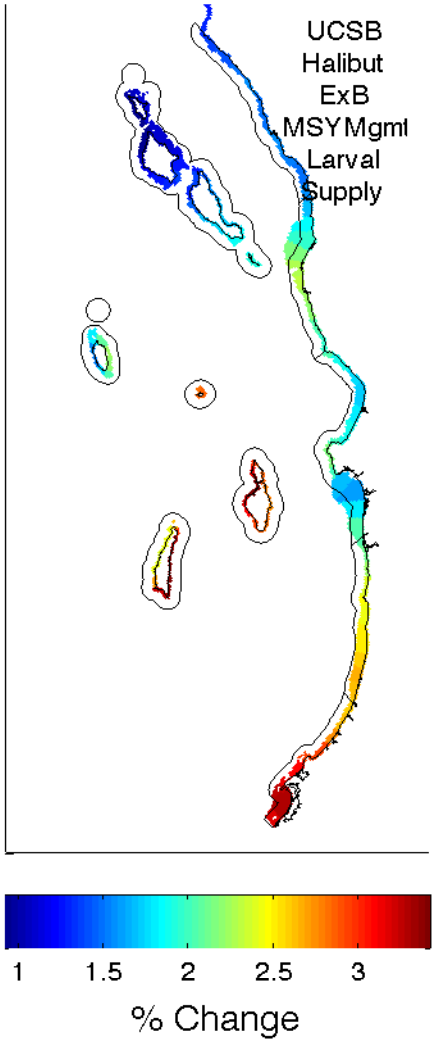

UCSB
BlackSurfperch
ExB
Unsuccessful Mgmt
Fishing yield
0.02 0.04 0.06 0.08 0.1
Relative to MSY

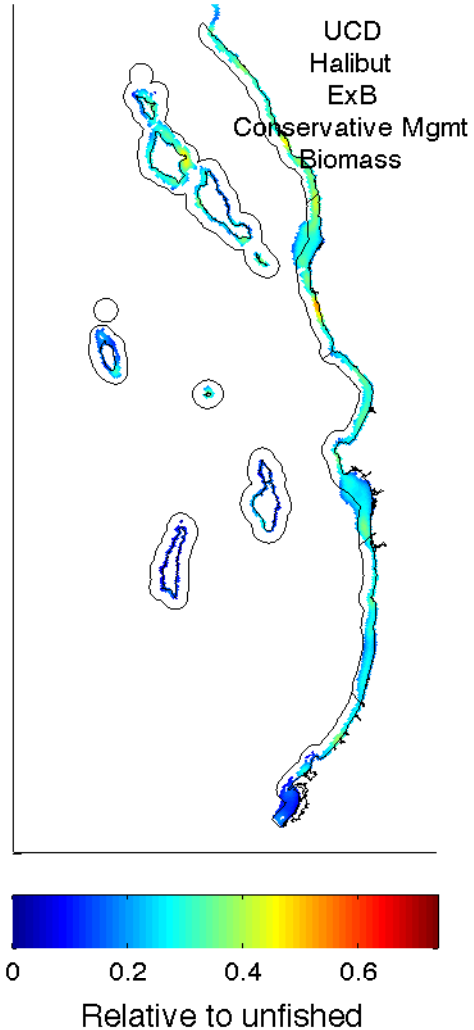

MPA boundaries
Halibut
ExB

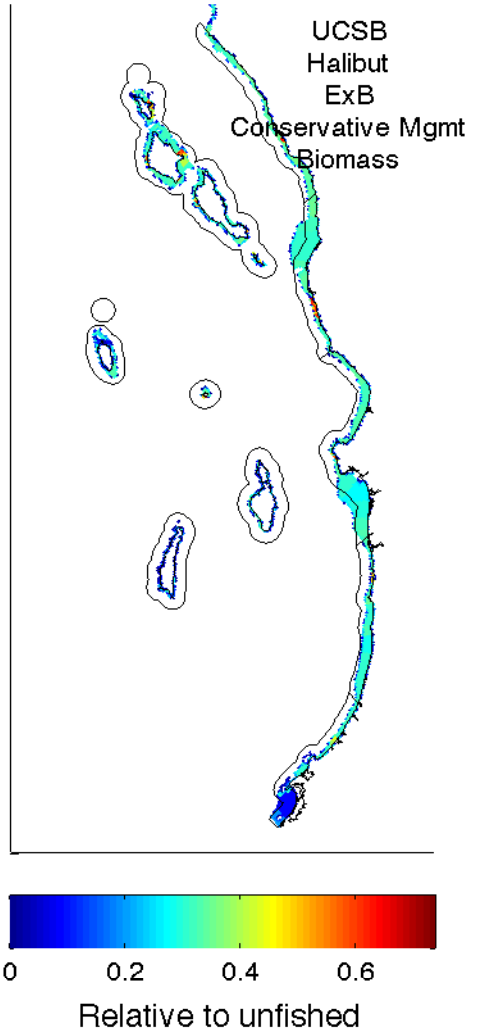

UCD
Halibut
ExB
UnsucMgmt
Larval
Production
0
50
100
% Change

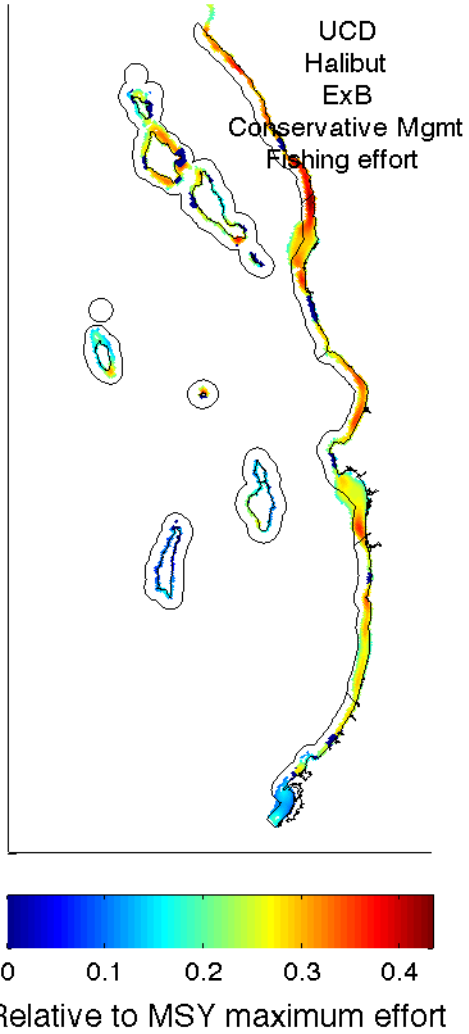

UCD
Halibut
ExB
UnsucMgmt
Larval
Supply
0
2
4
% Change

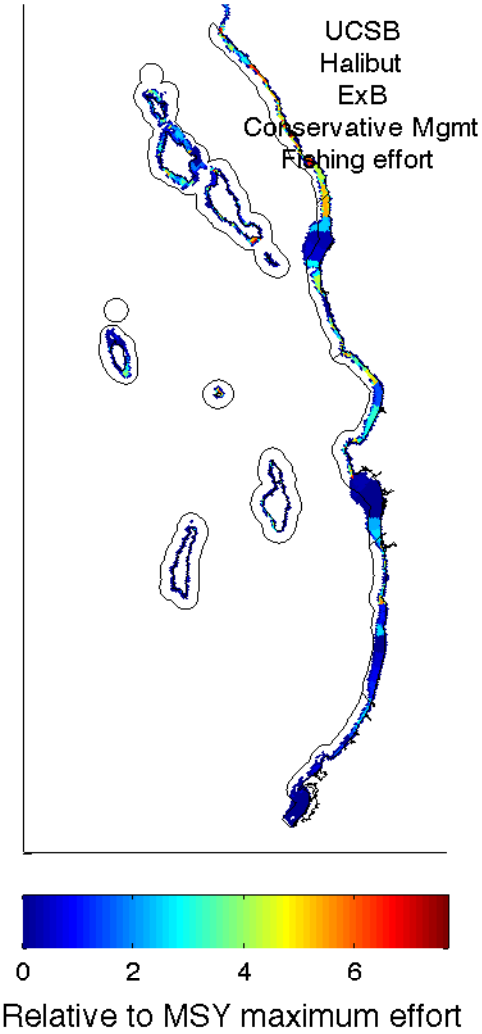

UCSB
Halibut
ExB
MSYMgmt
Larval
Production
0
50
100
150
% Change

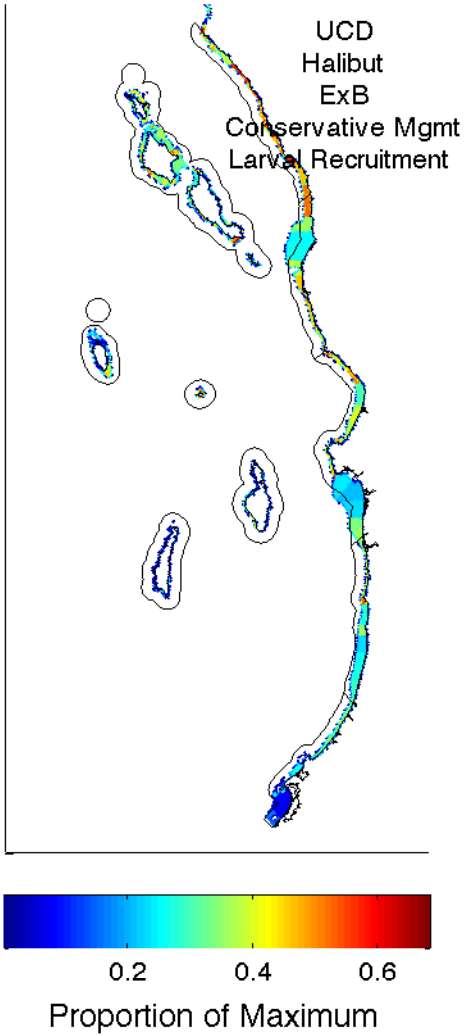

UCSB
Halibut
ExB
MSYMgmt
Larval
Supply
1
1.5
2
2.5
3
% Change

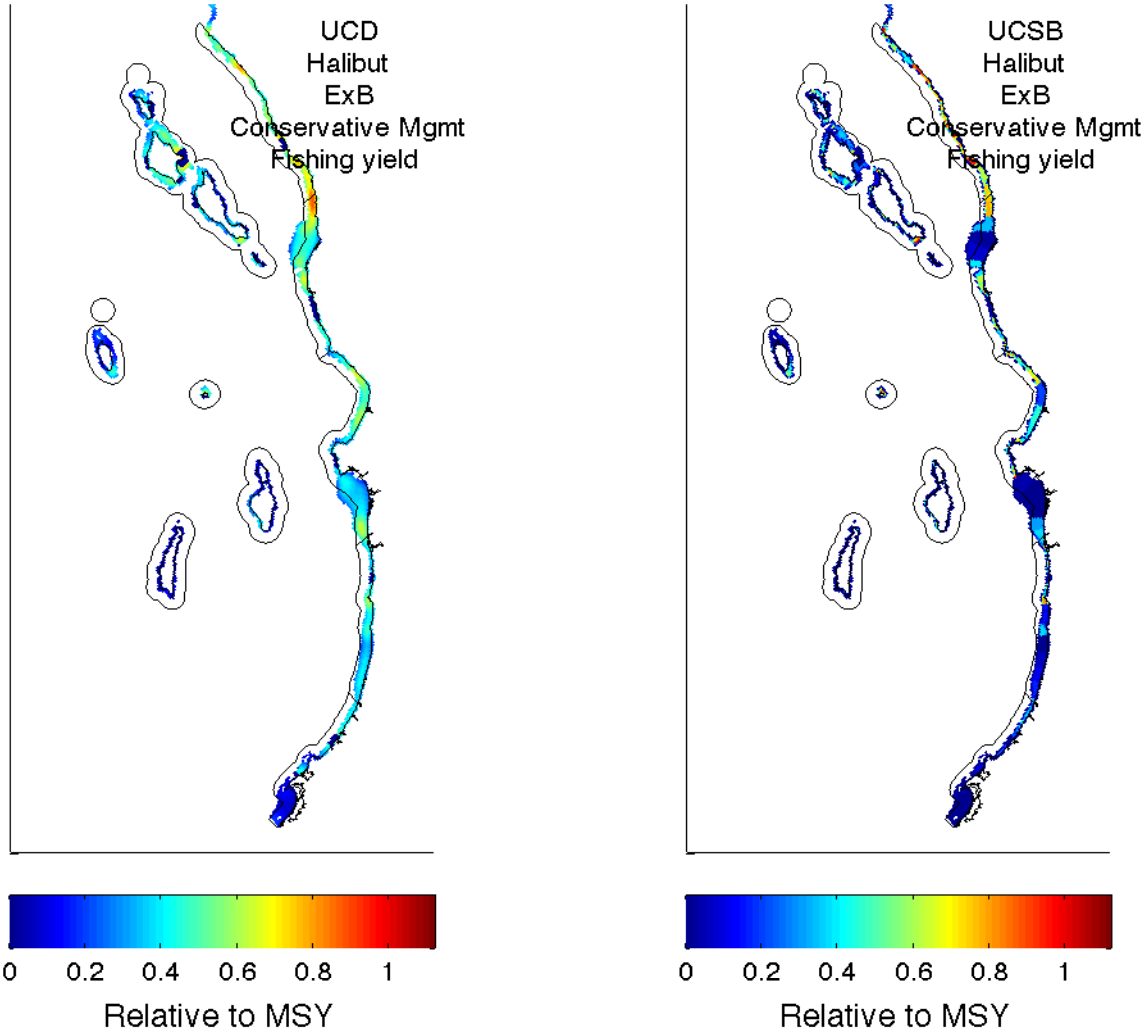

UCD
Halibut
ExB
Conservative Mgmt
Biomass
0
0.2
0.4
0.6
Relative to unfished

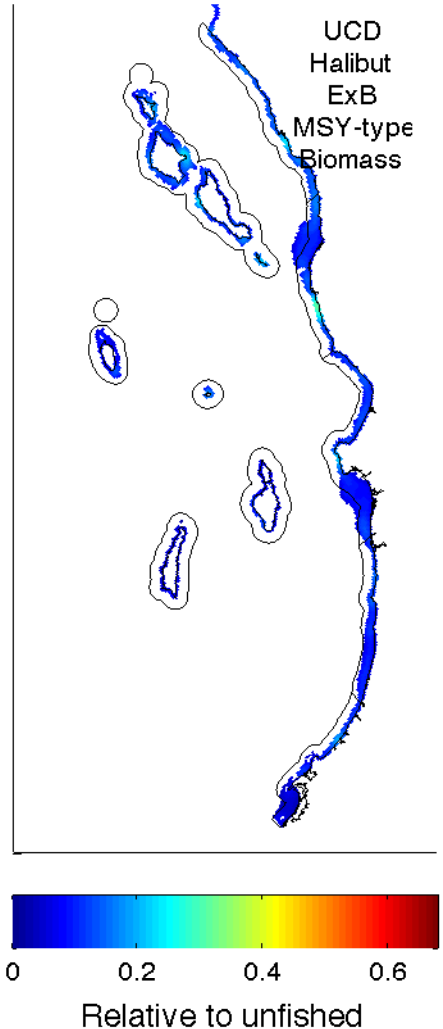

UCSB
Halibut
ExB
Conservative Mgmt
Biomass
0
0.2
0.4
0.6
Relative to unfished

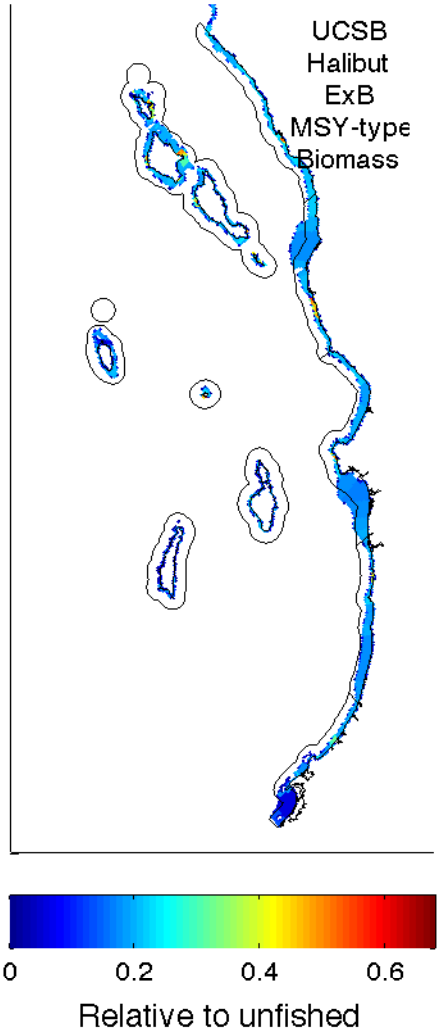

UCD
Halibut
ExB
Conservative Mgmt
Fishing effort
0
0.1
0.2
0.3
0.4
Relative to MSY maximum effort

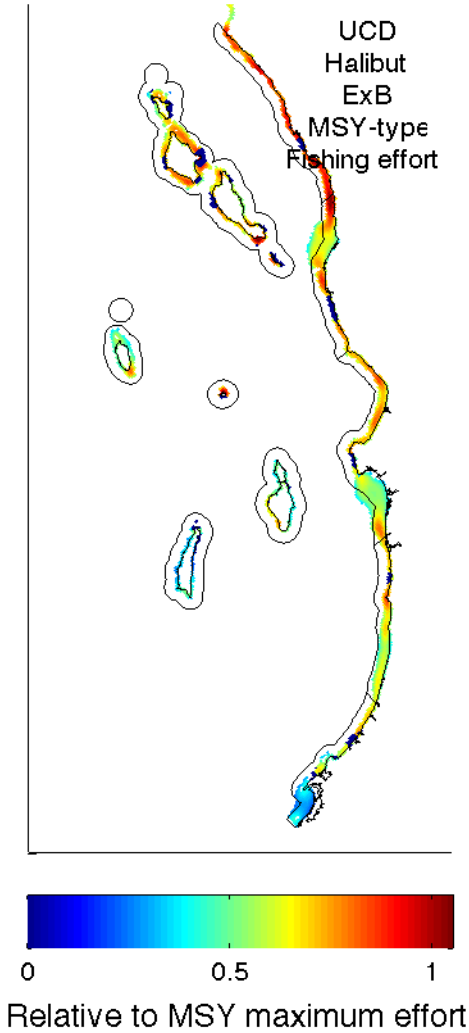

UCSB
Halibut
ExB
Conservative Mgmt
Fishing effort
0
2
4
6
Relative to MSY maximum effort

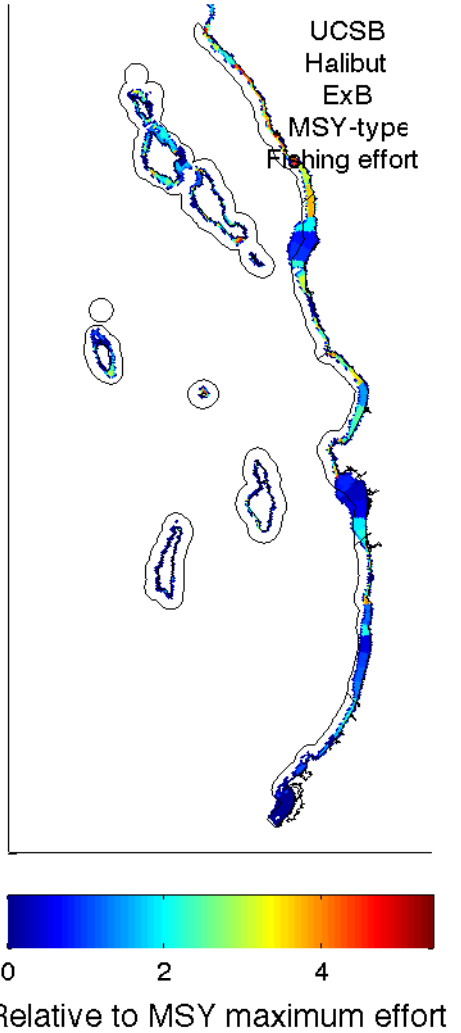

UCD
Halibut
ExB
Conservative Mgmt
Larval Recruitment
0.2
0.4
0.6
Proportion of Maximum

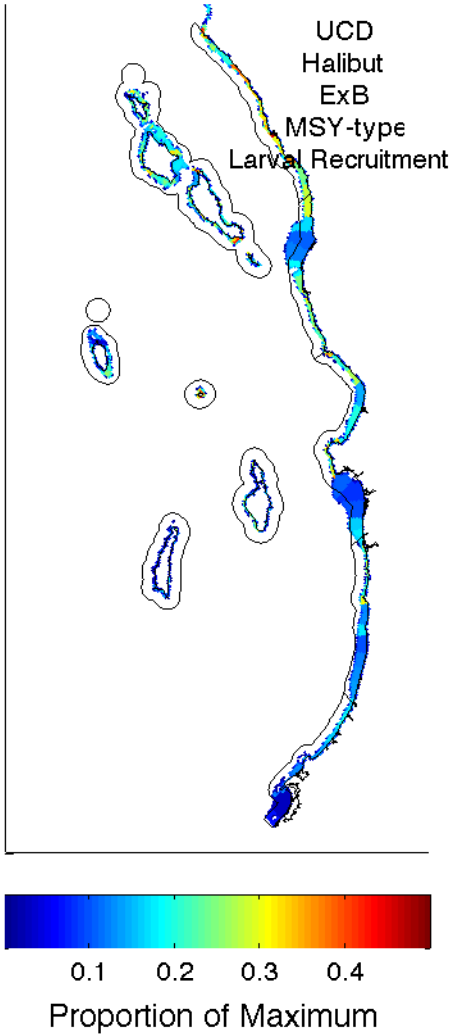

UCD
Halibut
ExB
Conservative Mgmt
Fishing yield
0
0.2
0.4
0.6
0.8
1
Relative to MSY
UCSB
Halibut
ExB
Conservative Mgmt
Fishing yield
0
0.2
0.4
0.6
0.8
1
Relative to MSY

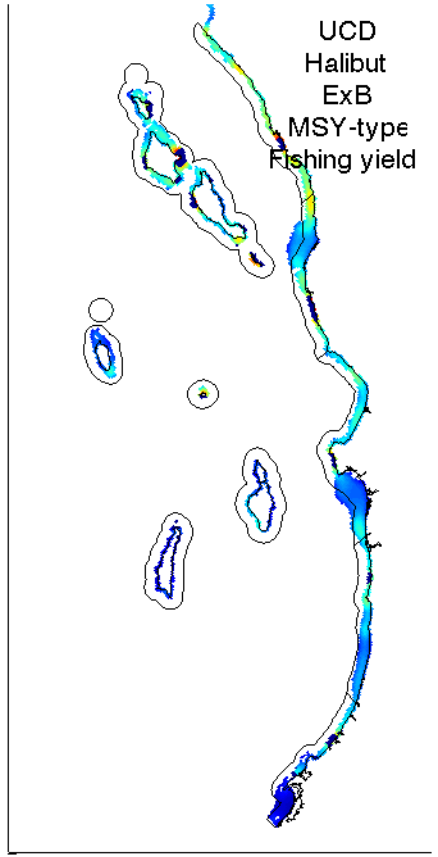

UCD
Halibut
ExB
MSY-type
Biomass
0
0.2
0.4
0.6
Relative to unfished

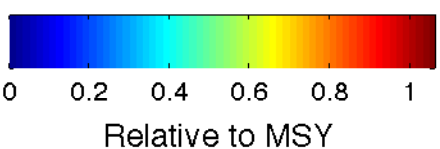

UCSB
Halibut
ExB
MSY-type
Biomass
0
0.2
0.4
0.6
Relative to unfished

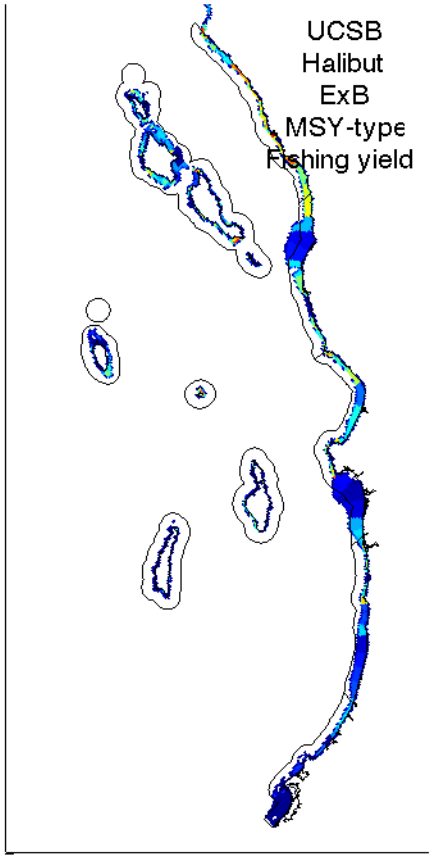

UCD
Halibut
ExB
MSY-type
Fishing effort
0
0.5
1
Relative to MSY maximum effort

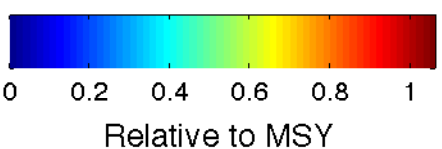

UCSB
Halibut
ExB
MSY-type
Fishing effort
0
2
4
Relative to MSY maximum effort

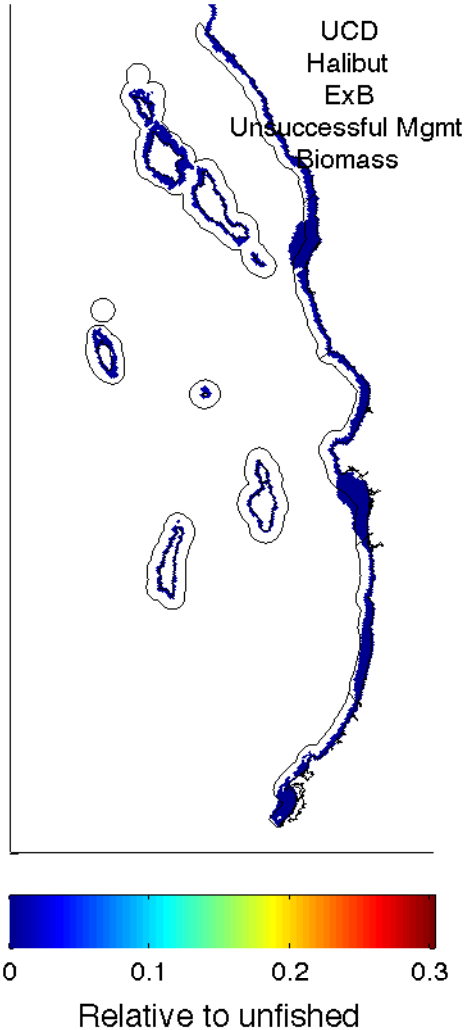

UCD
Halibut
ExB
MSY-type
Larval Recruitment
0.1
0.2
0.3
0.4
Proportion of Maximum

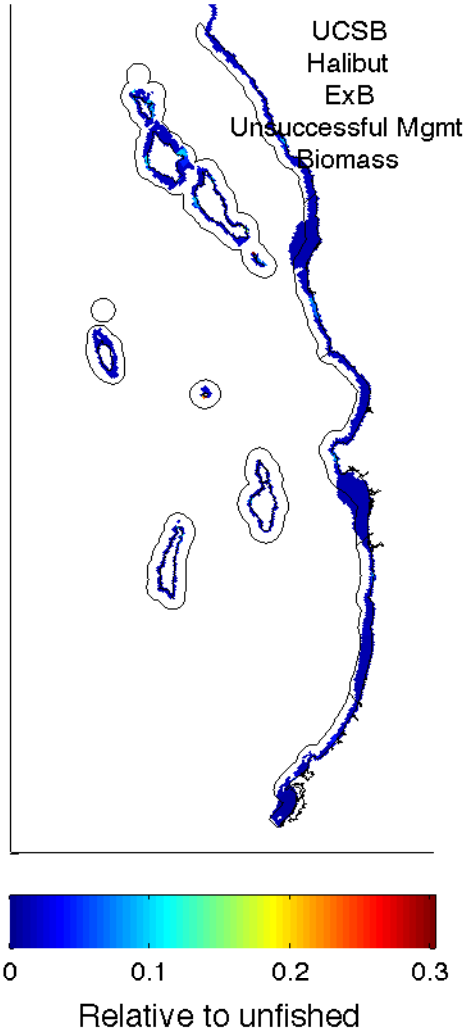

UCD
Halibut
ExB
MSY-type
Fishing yield

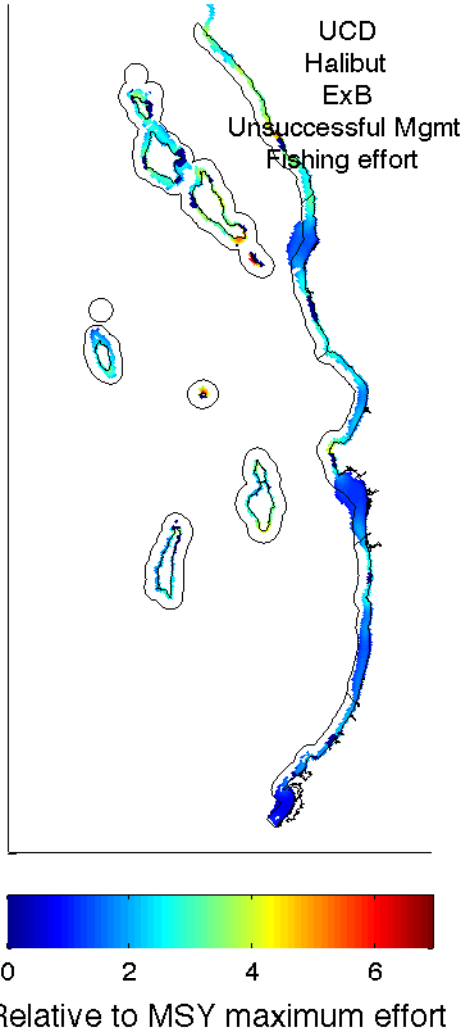

0
0.2
0.4
0.6
0.8
1
Relative to MSY

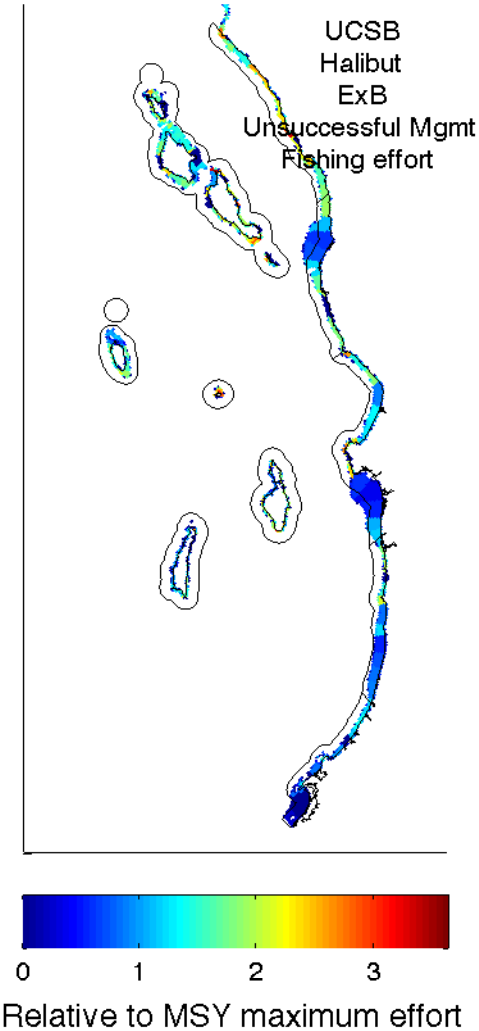

UCSB
Halibut
ExB
MSY-type
Fishing yield

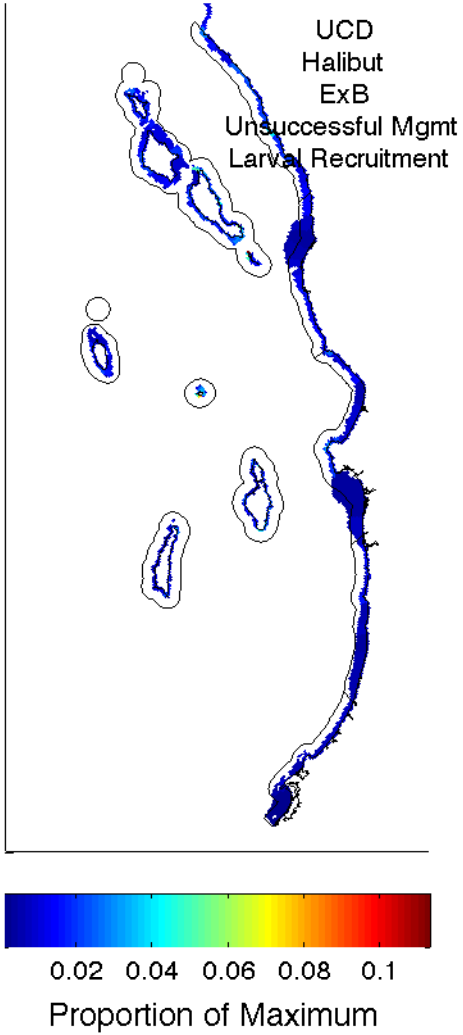

0
0.2
0.4
0.6
0.8
1
Relative to MSY

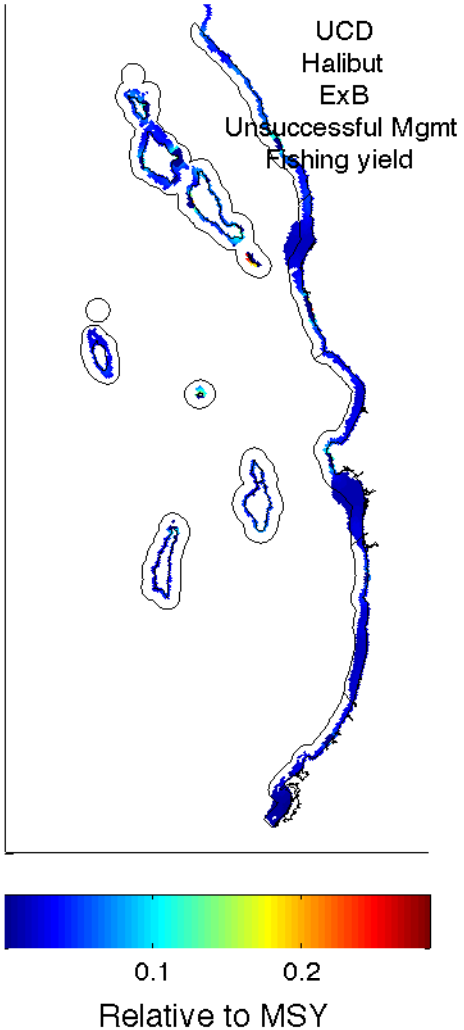

UCD
Halibut
ExB
Unsuccessful Mgmt
Biomass
0
0.1
0.2
0.3
Relative to unfished

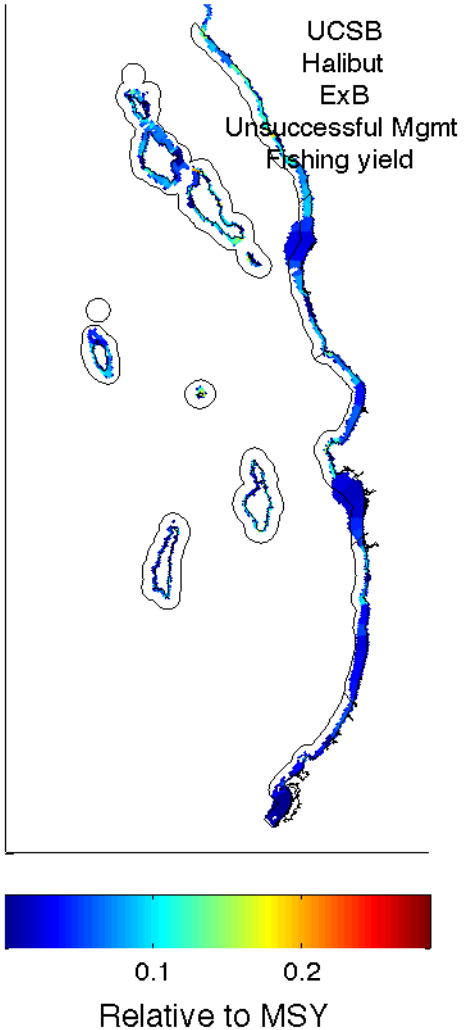

UCSB
Halibut
ExB
Unsuccessful Mgmt
Biomass
0
0.1
0.2
0.3
Relative to unfished

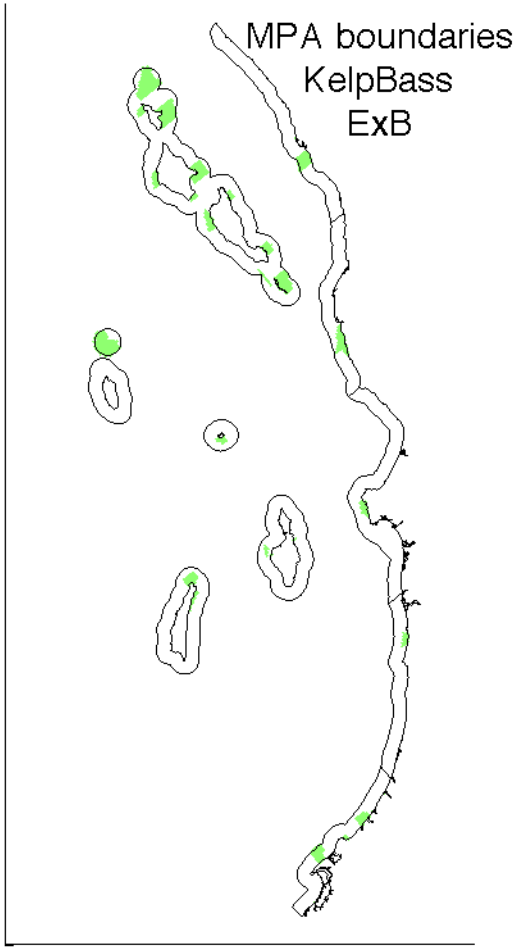

UCD
Halibut
ExB
Unsuccessful Mgmt
Fishing effort
0
2
4
6
Relative to MSY maximum effort

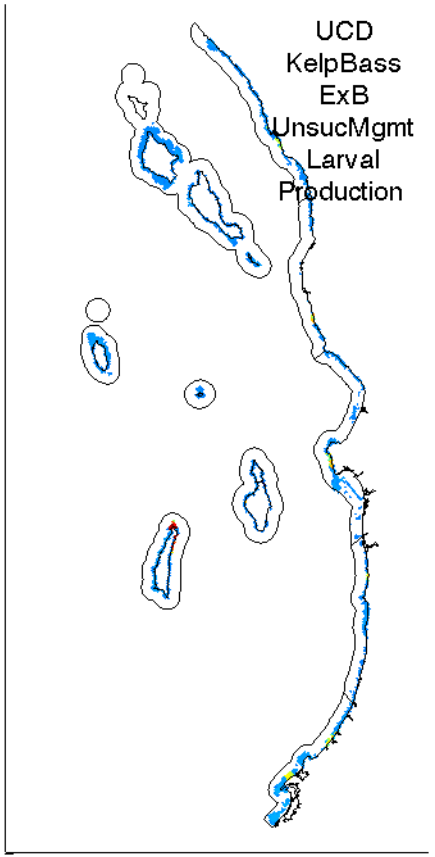

UCSB
Halibut
ExB
Unsuccessful Mgmt
Fishing effort
0
1
2
3
Relative to MSY maximum effort

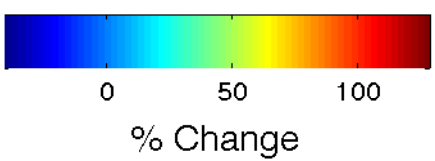

UCD
Halibut
ExB
Unsuccessful Mgmt
Larval Recruitment
0.02
0.04
0.06
0.08
0.1
Proportion of Maximum

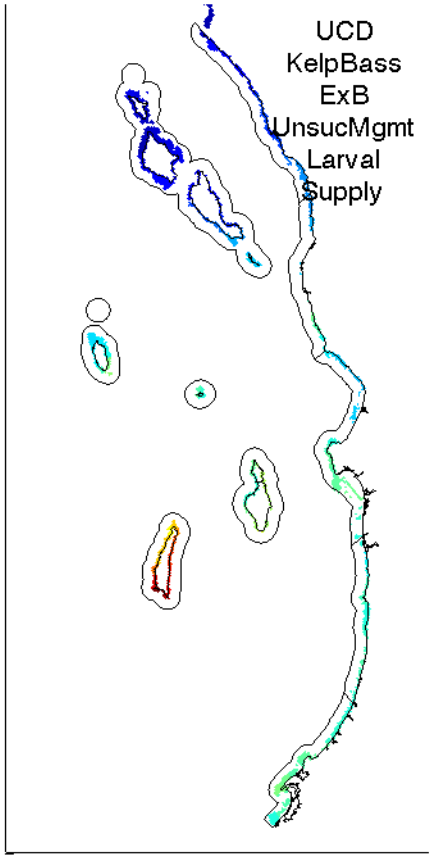

UCD
Halibut
ExB
Unsuccessful Mgmt
Fishing yield
0.1
0.2
Relative to MSY

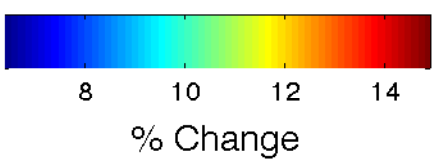

UCSB
Halibut
ExB
Unsuccessful Mgmt
Fishing yield
0.1
0.2
Relative to MSY

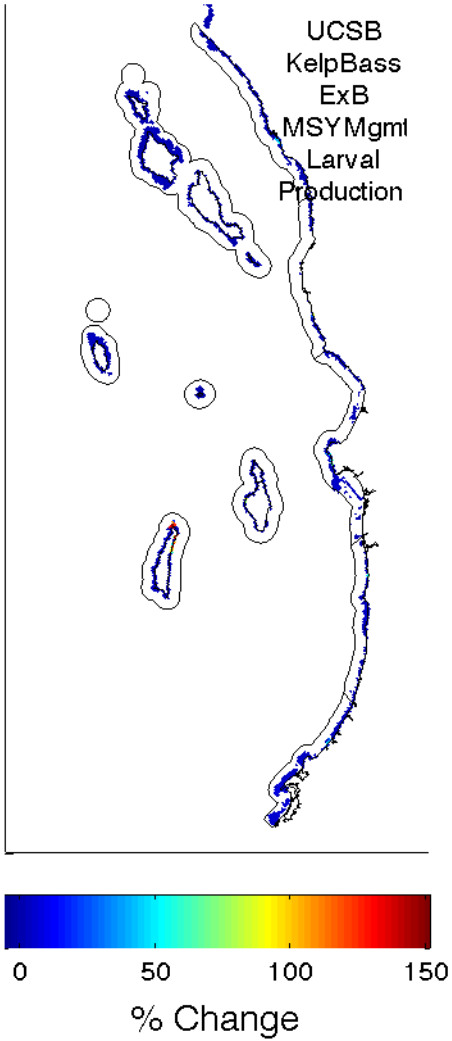

MPA boundaries
KelpBass
ExB

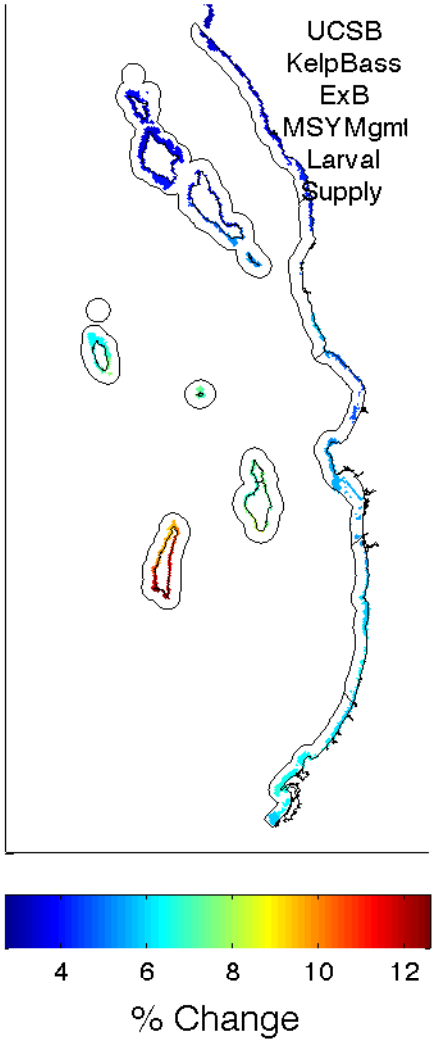

UCD
KelpBass
ExB
UnsucMgmt
Larval
Production

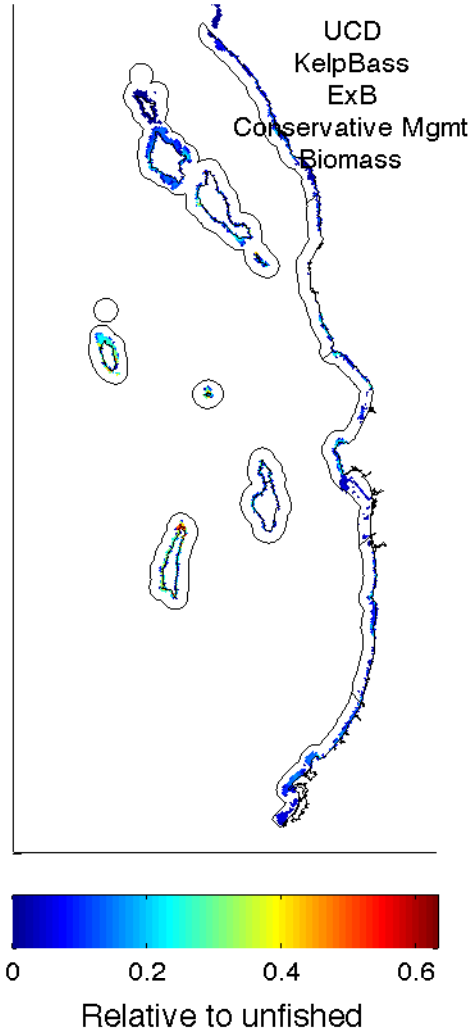

0
50
100
% Change

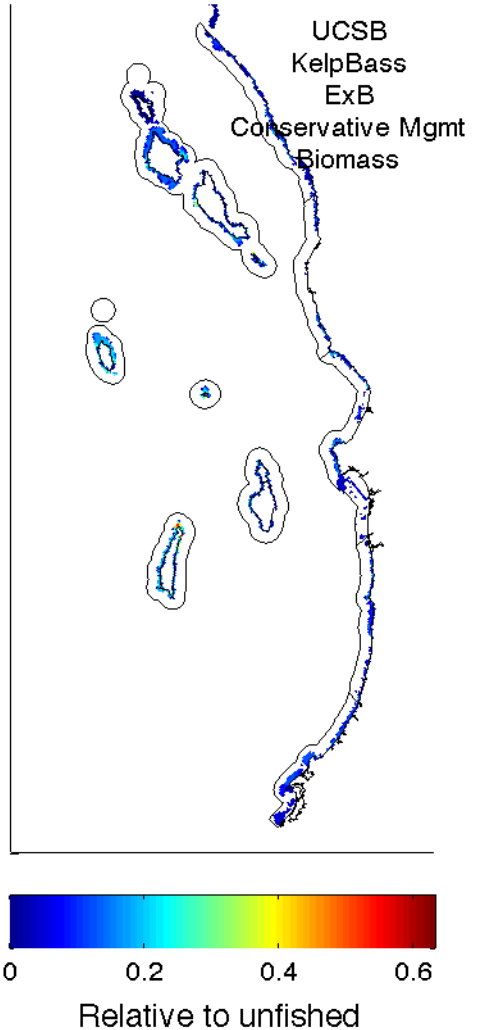

UCD
KelpBass
ExB
UnsucMgmt
Larval
Supply

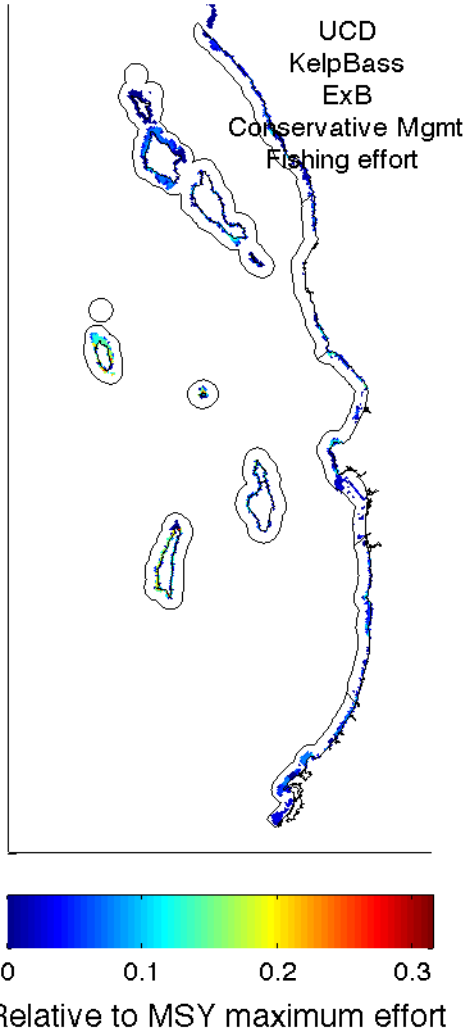

8
10
12
14
% Change

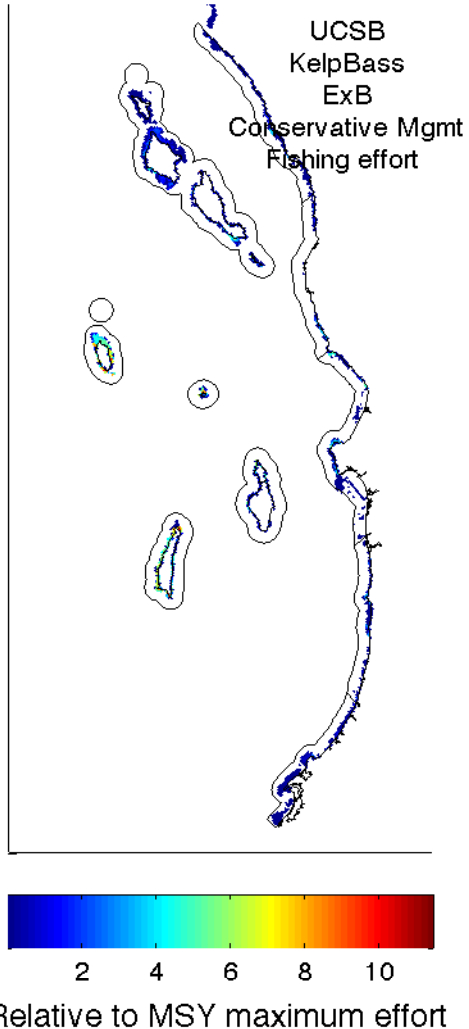

UCSB
KelpBass
ExB
MSYMgmt
Larval
Production
0
50
100
150
% Change

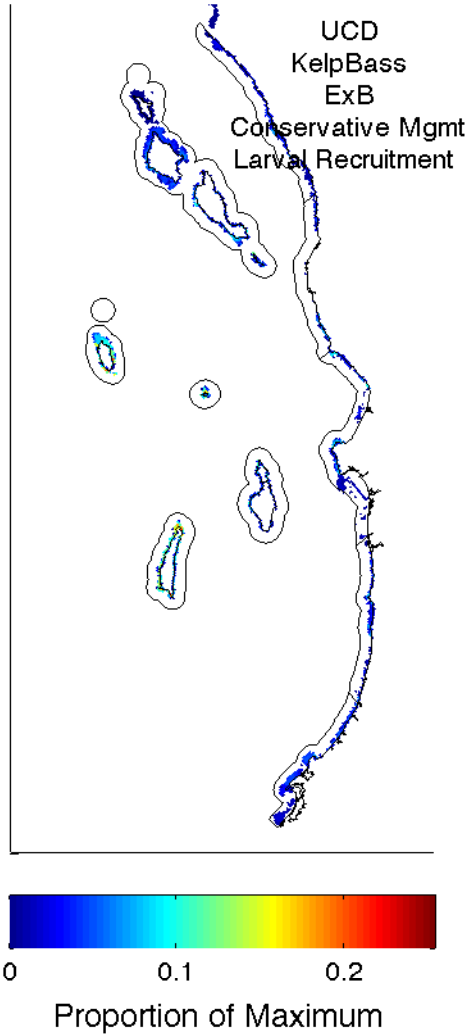

UCSB
KelpBass
ExB
MSYMgmt
Larval
Supply
4
6
8
10
12
% Change

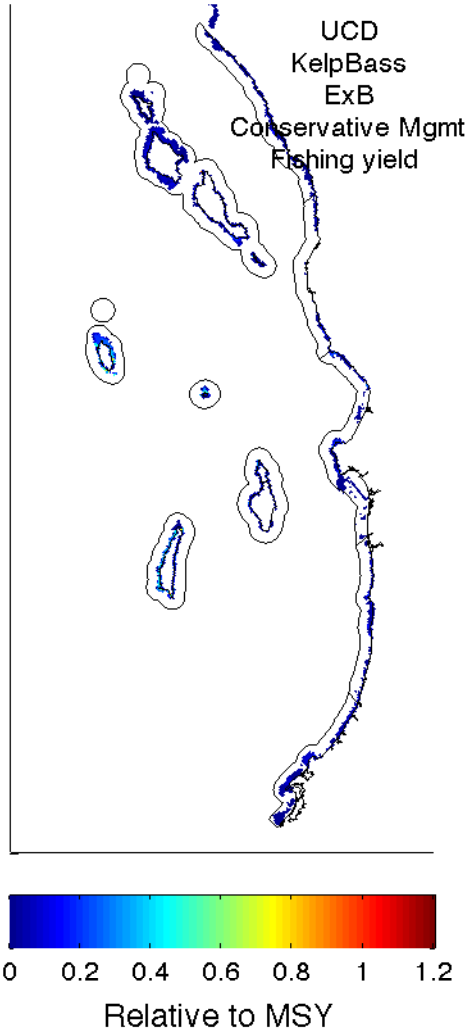

UCD
KelpBass
ExB
Conservative Mgmt
Biomass
0
0.2
0.4
0.6
Relative to unfished

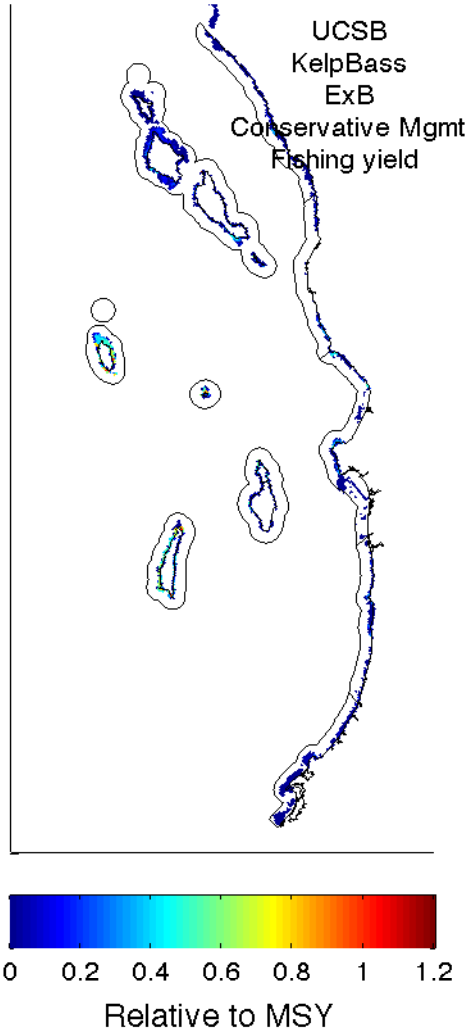

UCSB
KelpBass
ExB
Conservative Mgmt
Biomass
0
0.2
0.4
0.6
Relative to unfished

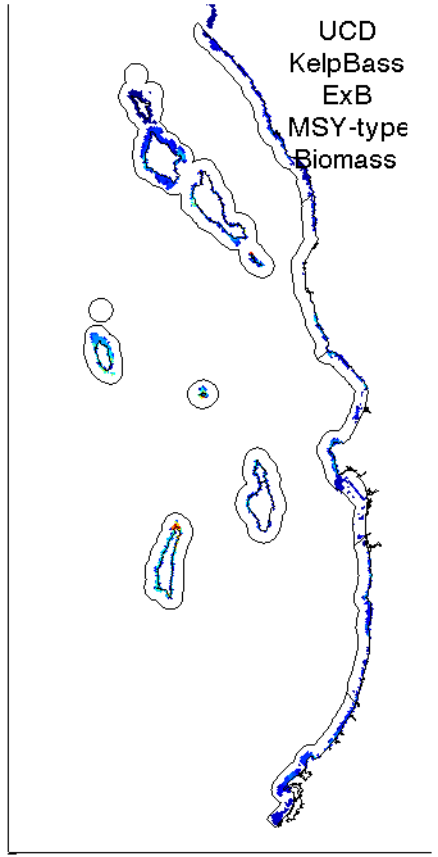

UCD
KelpBass
ExB
Conservative Mgmt
Fishing effort
0
0.1
0.2
0.3
Relative to MSY maximum effort

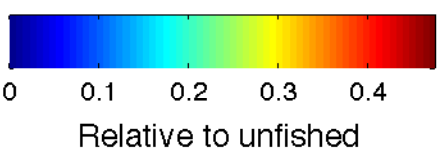

UCSB
KelpBass
ExB
Conservative Mgmt
Fishing effort
2
4
6
8
10
Relative to MSY maximum effort

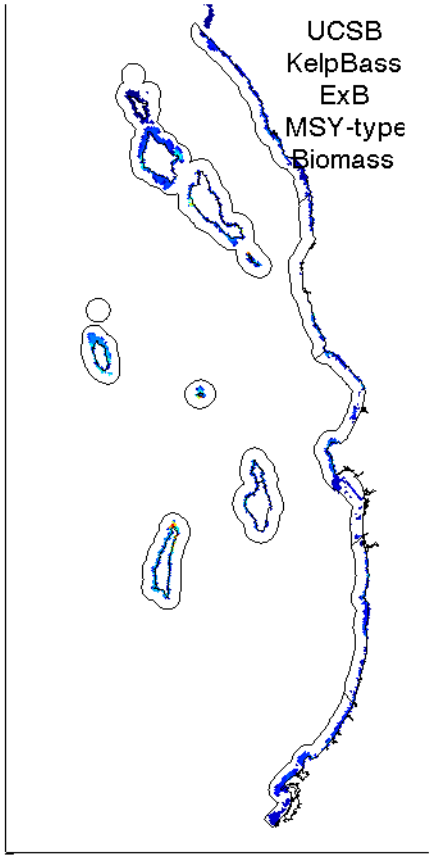

UCD
KelpBass
ExB
Conservative Mgmt
Larval Recruitment
0
0.1
0.2
Proportion of Maximum

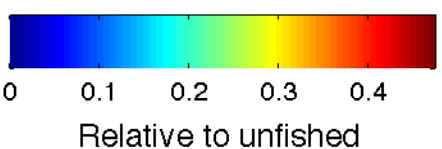

UCD
KelpBass
ExB
Conservative Mgmt
Fishing yield
0
0.2
0.4
0.6
0.8
1
1.2
Relative to MSY

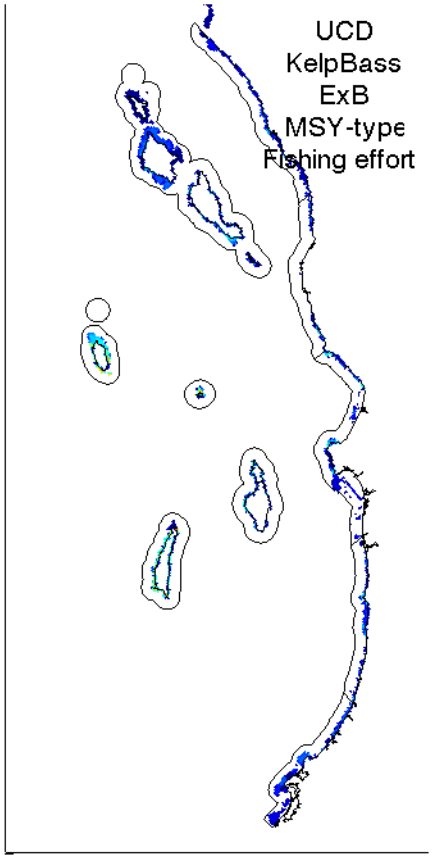

UCSB
KelpBass
ExB
Conservative Mgmt
Fishing yield
0
0.2
0.4
0.6
0.8
1
1.2
Relative to MSY

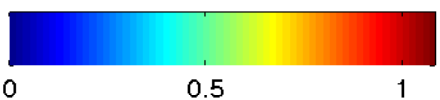

UCD
KelpBass
ExB
MSY-type
Biomass


0
0.1
0.2
0.3
0.4
Relative to unfished

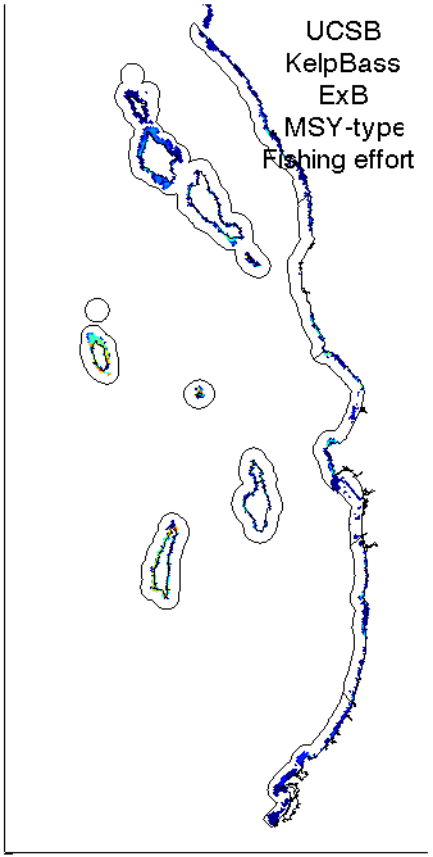

UCSB
KelpBass
ExB
MSY-type
Biomass

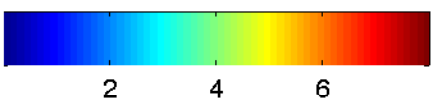

0
0.1
0.2
0.3
0.4
Relative to unfished



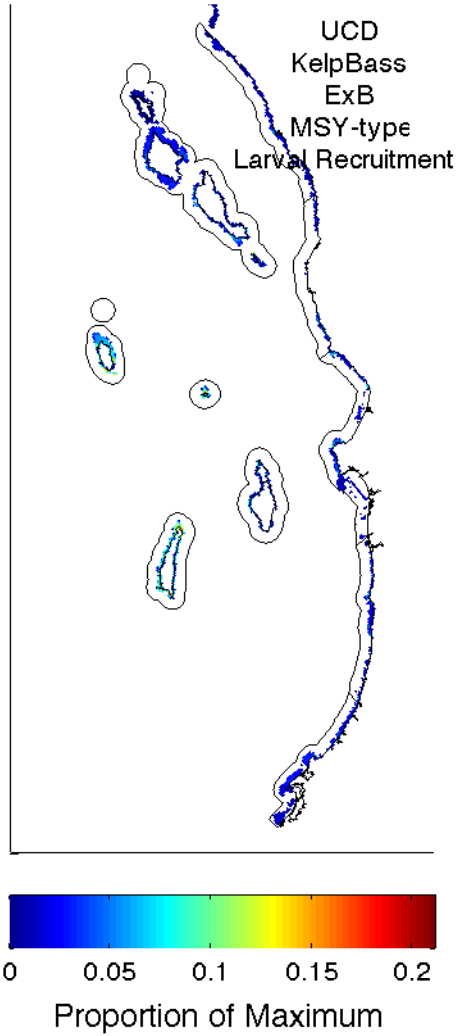


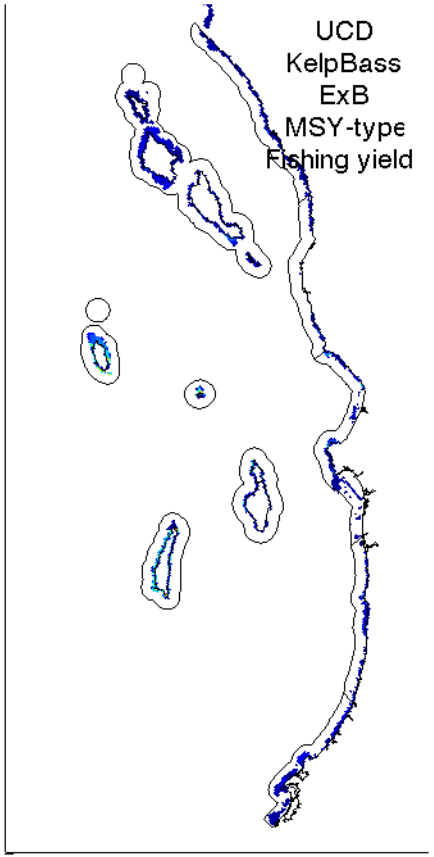
Relative to MSY maximum effort

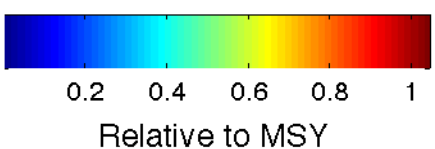


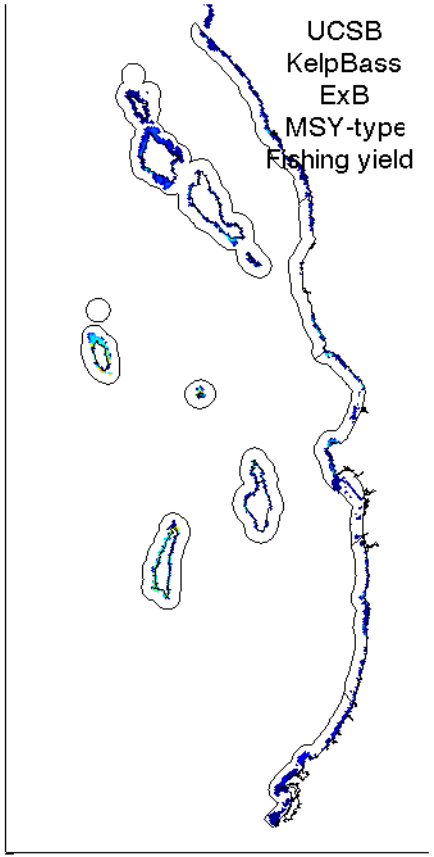


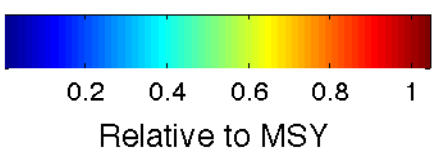
Relative to MSY maximum effort

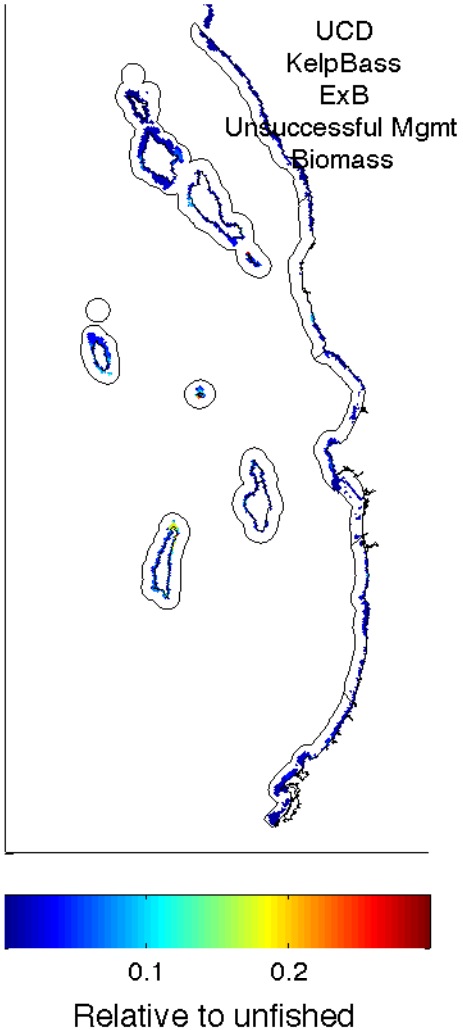

UCD
KelpBass
ExB
MSY-type
Larval Recruitment
0
0.05
0.1
0.15
0.2
Proportion of Maximum

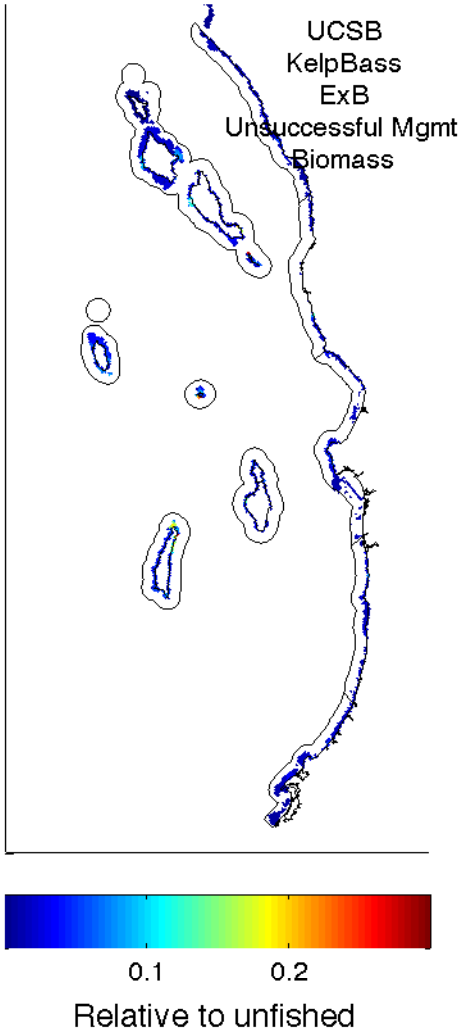

UCD
KelpBass
ExB
MSY-type
Fishing yield

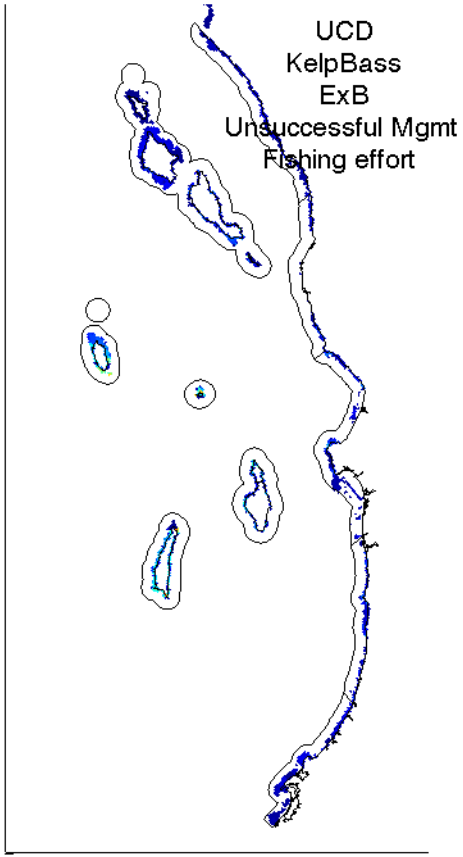

0.2
0.4
0.6
0.8
1
Relative to MSY

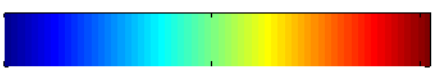

UCSB
KelpBass
ExB
MSY-type
Fishing yield


0.2
0.4
0.6
0.8
1
Relative to MSY

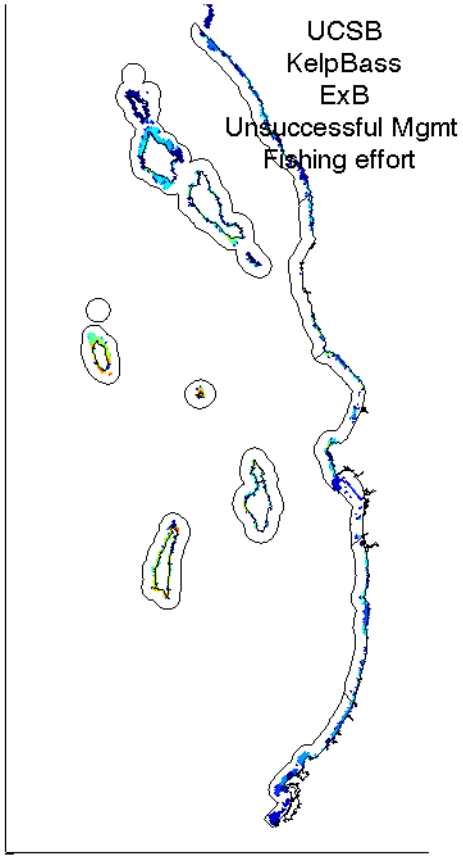

UCD
KelpBass
ExB
Unsuccessful Mgmt
Biomass
0.1
0.2
Relative to unfished

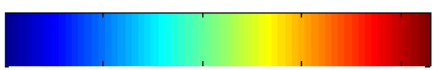

UCSB
KelpBass
ExB
Unsuccessful Mgmt
Biomass
0.1
0.2
Relative to unfished



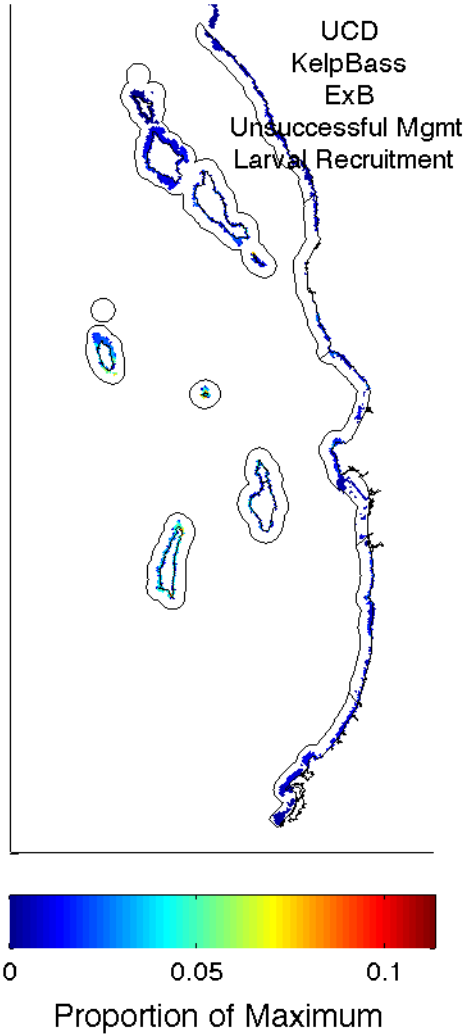


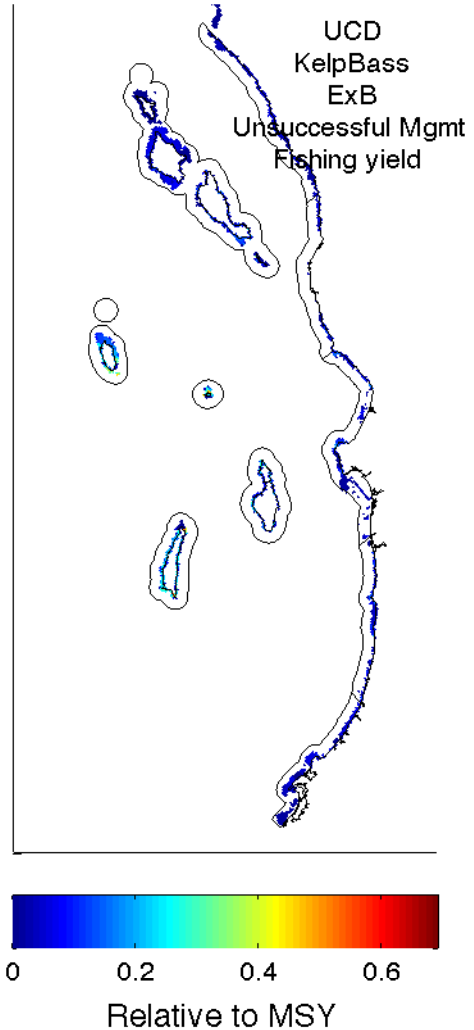
Relative to MSY maximum effort

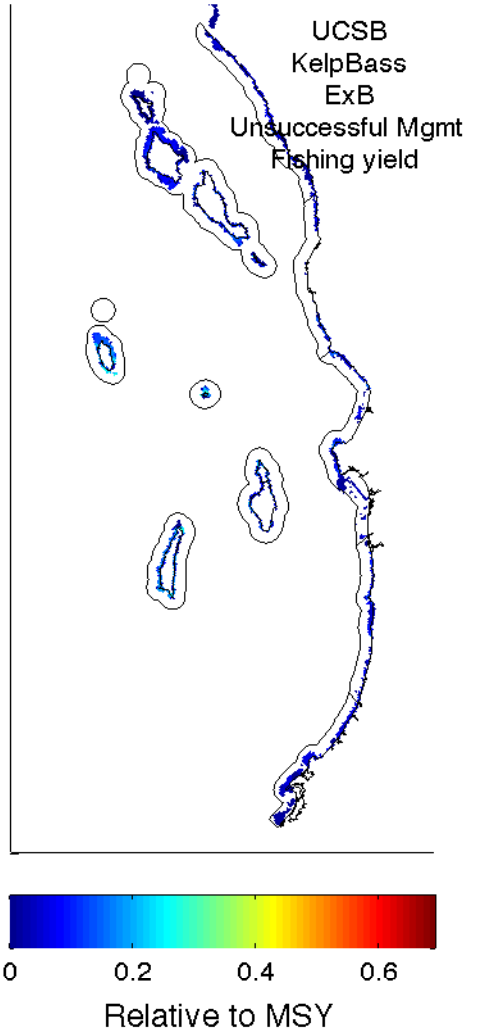


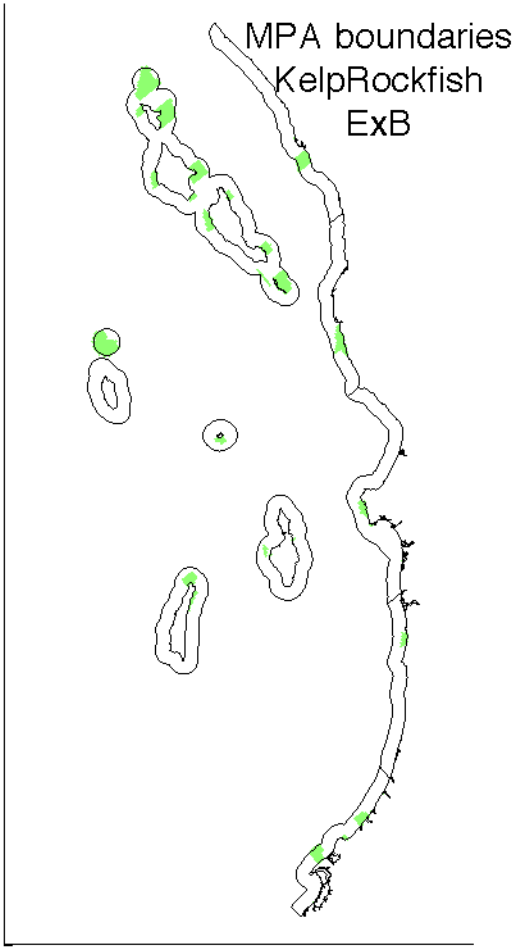


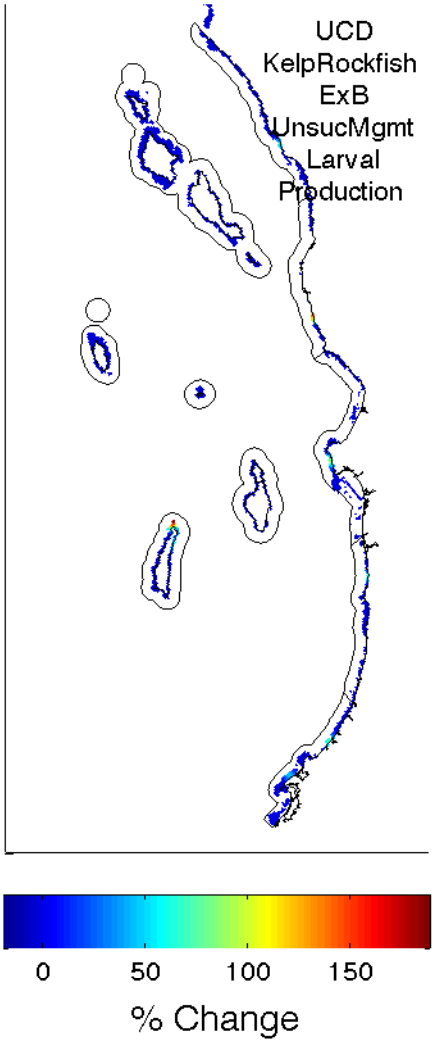
Relative to MSY maximum effort

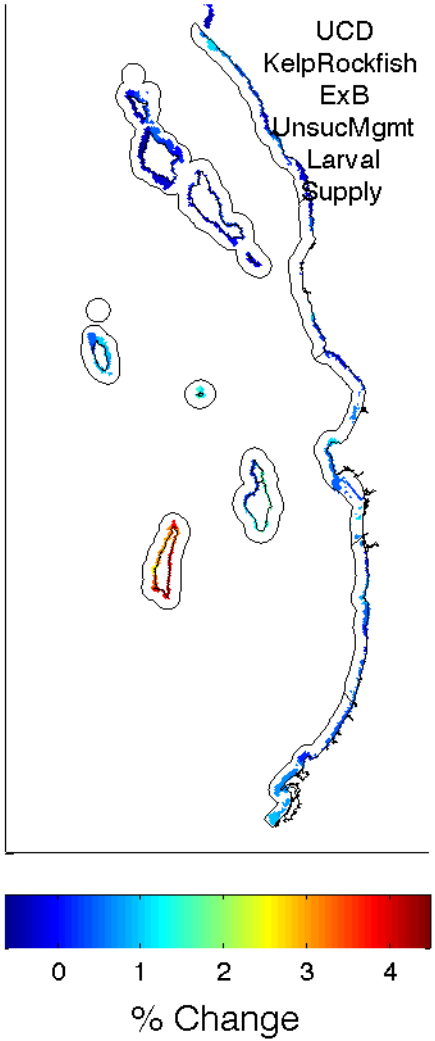

UCD
KelpBass
ExB
Unsuccessful Mgmt
Larval Recruitment
0
0.05
0.1
Proportion of Maximum

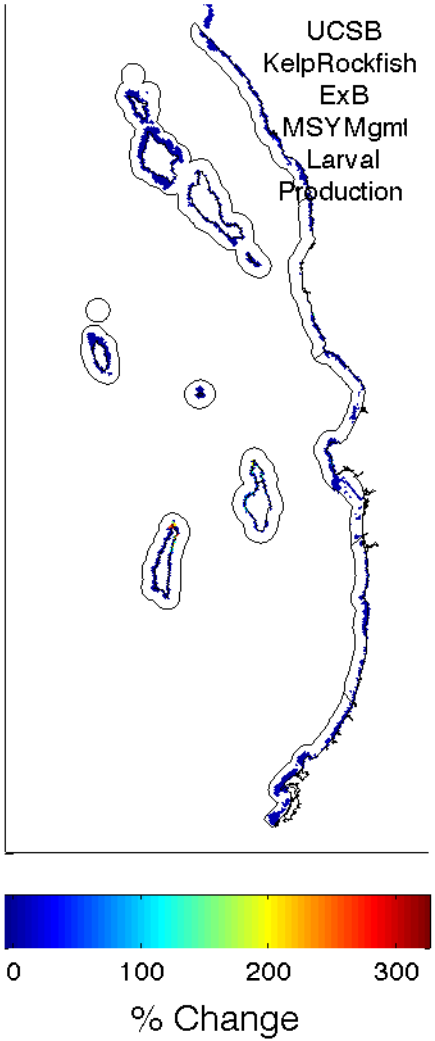

UCD
KelpBass
ExB
Unsuccessful Mgmt
Fishing yield
0
0.2
0.4
0.6
Relative to MSY

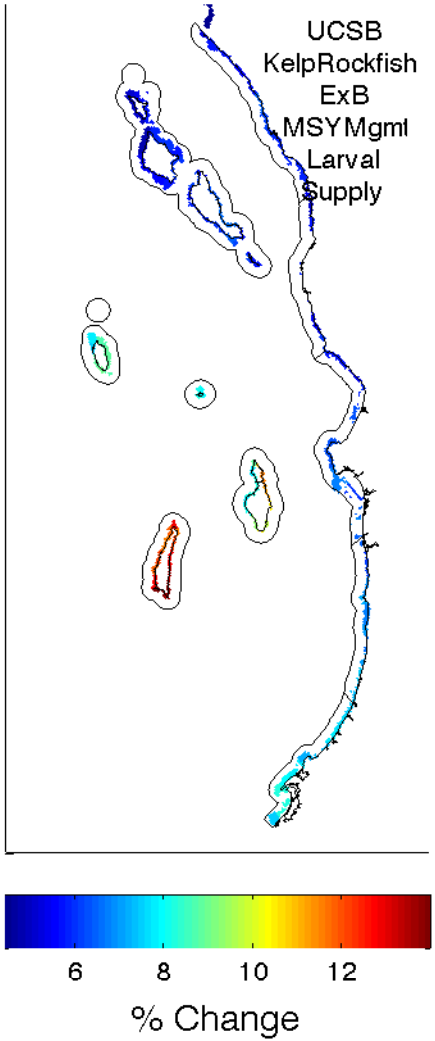

UCSB
KelpBass
ExB
Unsuccessful Mgmt
Fishing yield
0
0.2
0.4
0.6
Relative to MSY

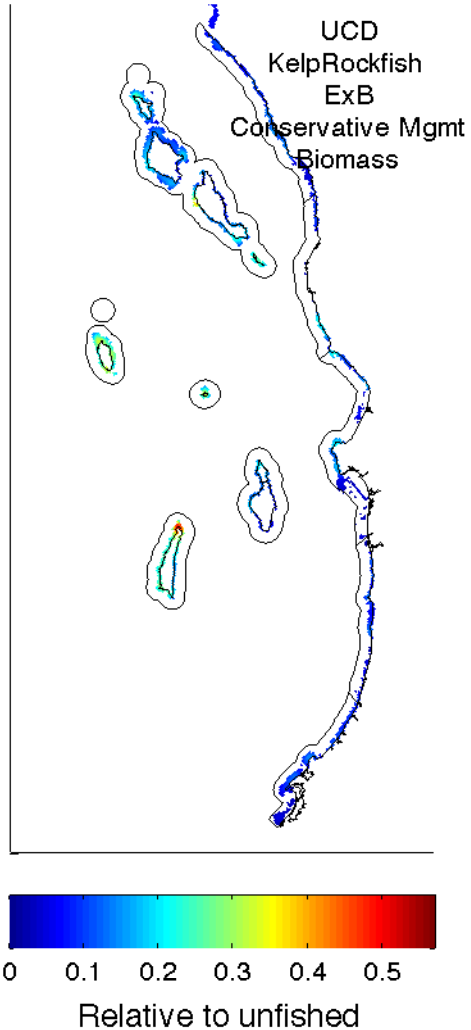

MPA boundaries
KelpRockfish
ExB

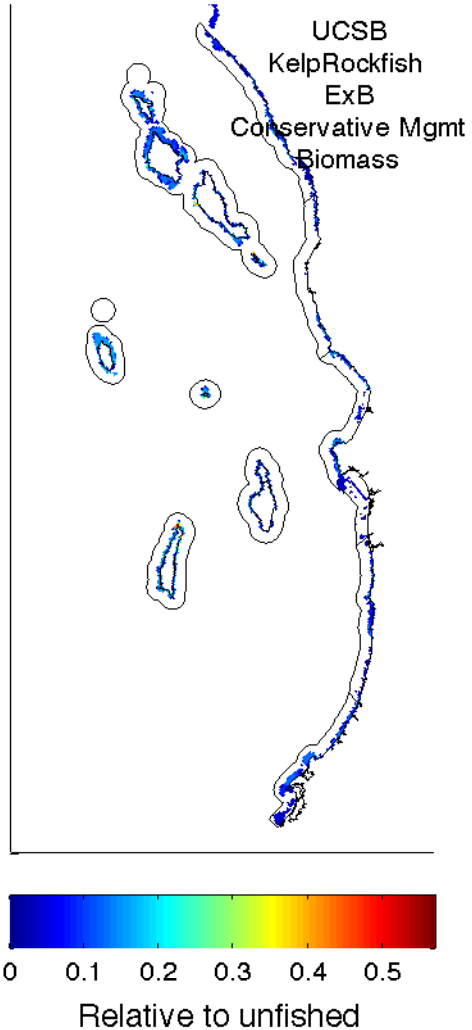

UCD
KelpRockfish
ExB
UnsucMgmt
Larval
Production
0
50
100
150
% Change

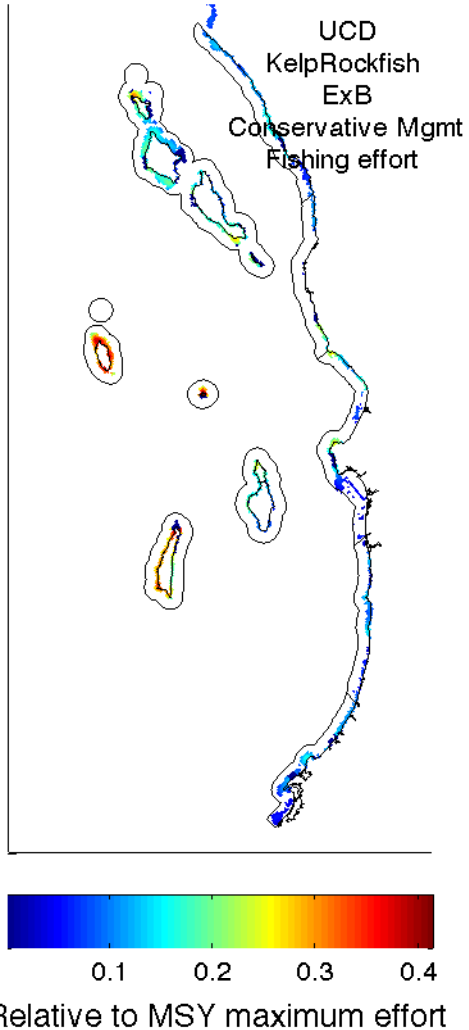

UCD
KelpRockfish
ExB
UnsucMgmt
Larval
Supply
0
1
2
3
4
% Change

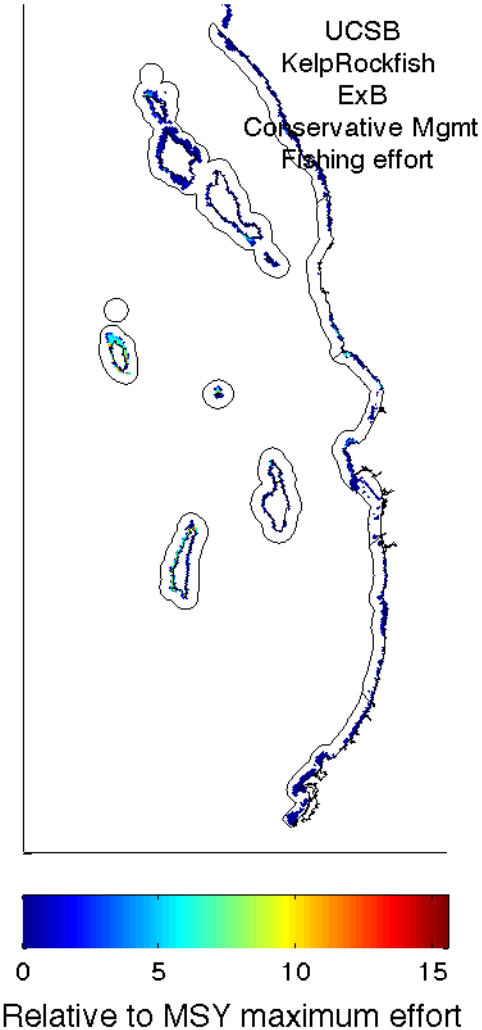

UCSB
KelpRockfish
ExB
MSYMgmt
Larval
Production
0
100
200
300
% Change

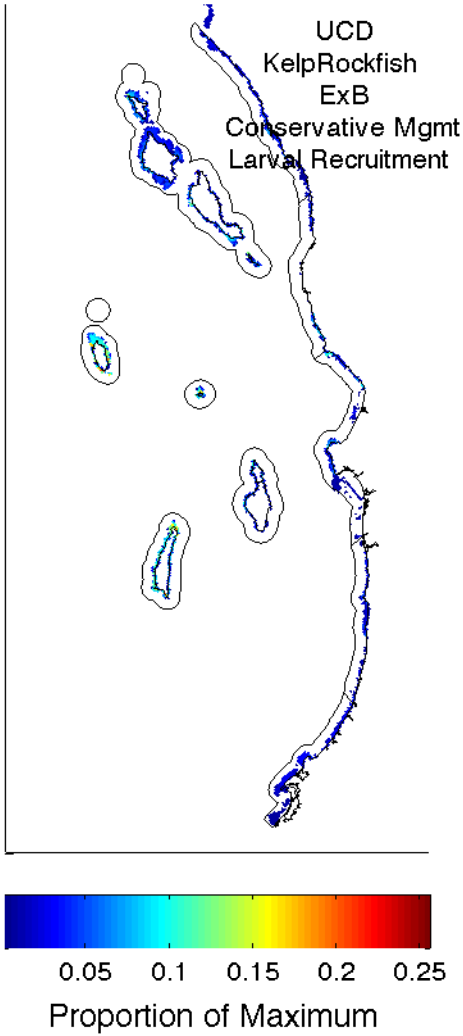

UCSB
KelpRockfish
ExB
MSYMgmt
Larval
Supply
6
8
10
12
% Change

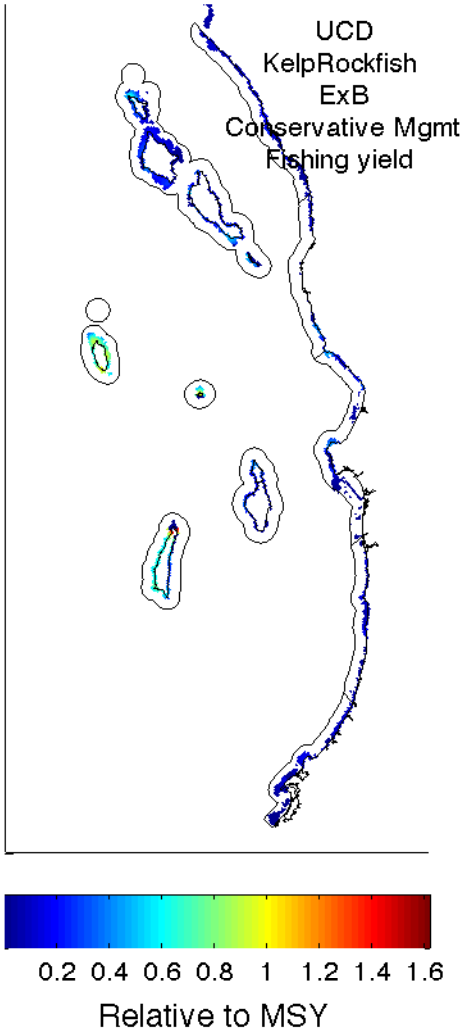

UCD
KelpRockfish
ExB
Conservative Mgmt
Biomass
0
0.1
0.2
0.3
0.4
0.5
Relative to unfished

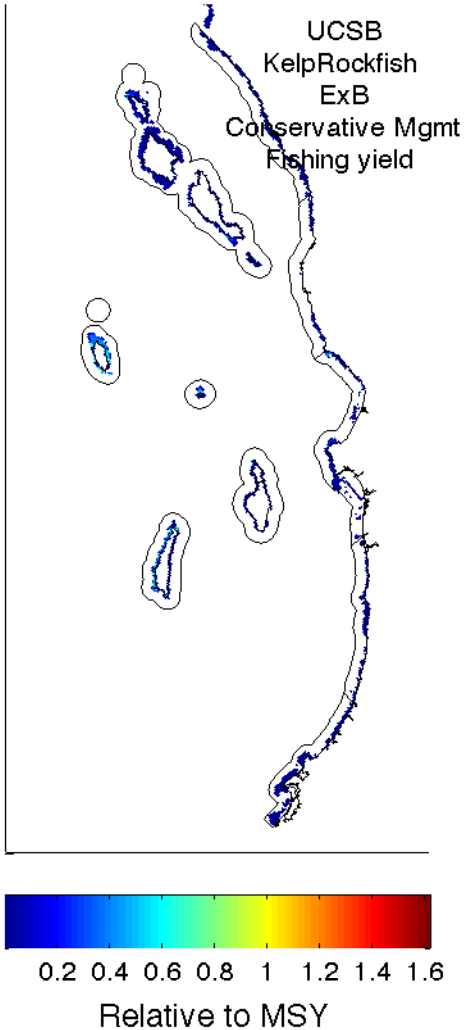

UCSB
KelpRockfish
ExB
Conservative Mgmt
Biomass
0
0.1
0.2
0.3
0.4
0.5
Relative to unfished

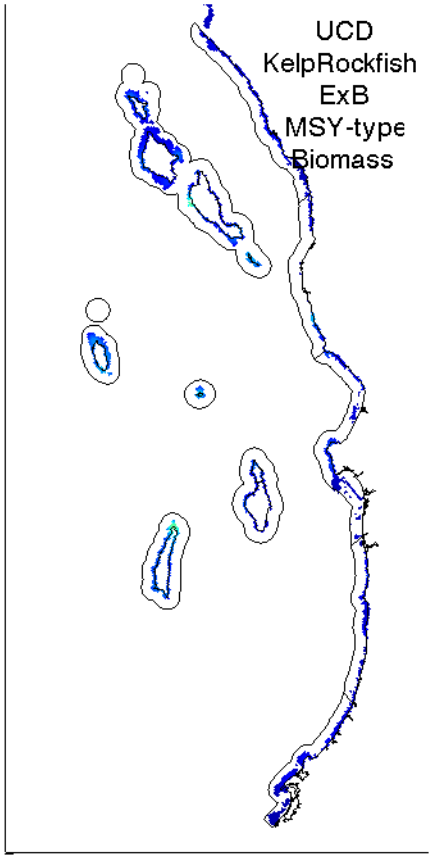

UCD
KelpRockfish
ExB
Conservative Mgmt
Fishing effort
0.1
0.2
0.3
0.4
Relative to MSY maximum effort

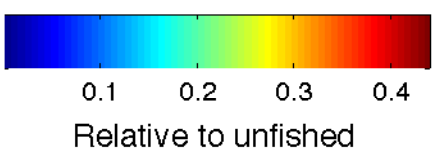

UCSB
KelpRockfish
ExB
Conservative Mgmt
Fishing effort
0
5
10
15
Relative to MSY maximum effort

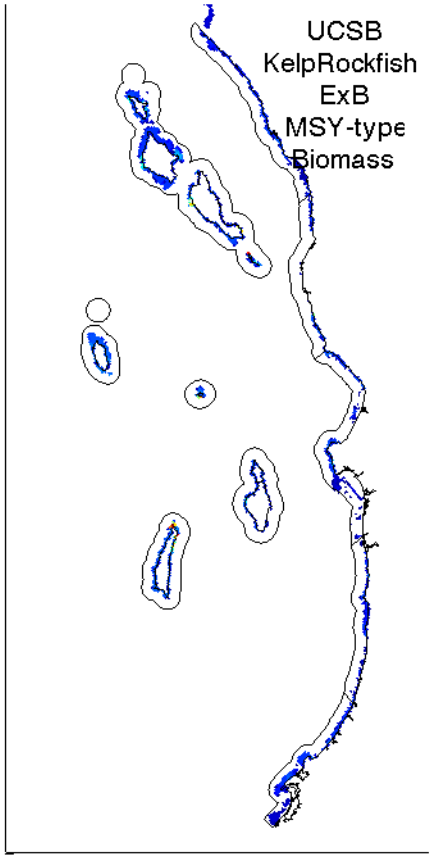

UCD
KelpRockfish
ExB
Conservative Mgmt
Larval Recruitment
0.05
0.1
0.15
0.2
0.25
Proportion of Maximum

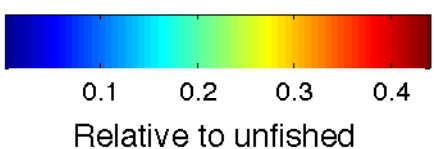

UCD
KelpRockfish
ExB
Conservative Mgmt
Fishing yield
0.2 0.4 0.6 0.8 1 1.2 1.4 1.6
Relative to MSY

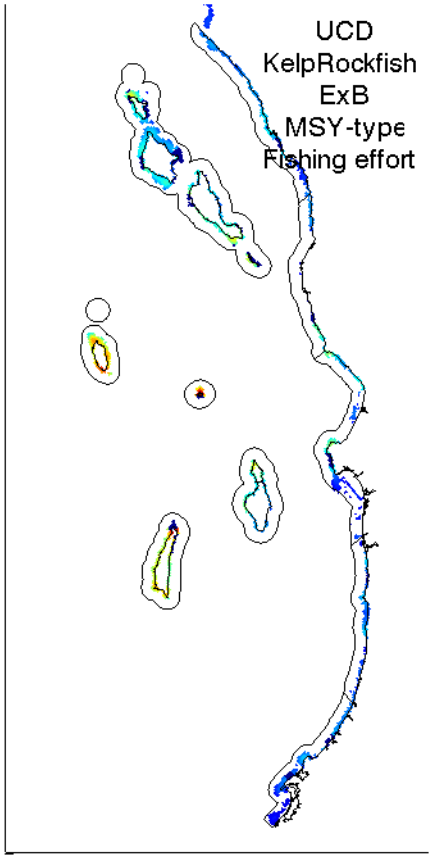

UCSB
KelpRockfish
ExB
Conservative Mgmt
Fishing yield
0.2 0.4 0.6 0.8 1 1.2 1.4 1.6
Relative to MSY

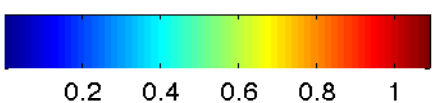

UCD
KelpRockfish
ExB
MSY-type
Biomass


0.1
0.2
0.3
0.4
Relative to unfished

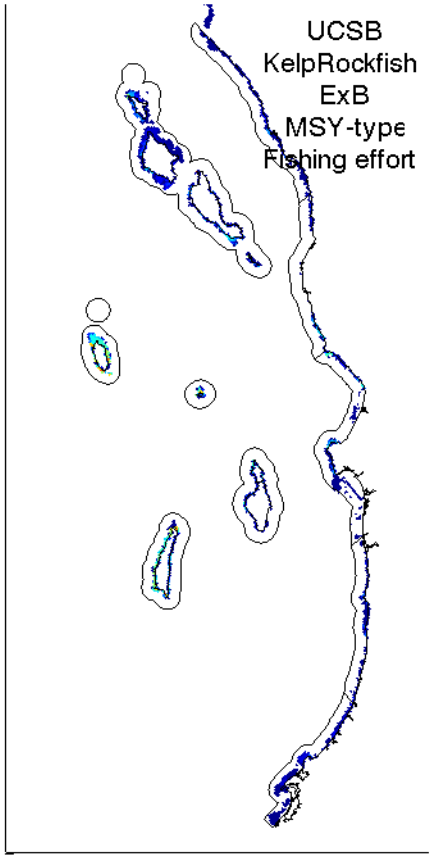

UCSB
KelpRockfish
ExB
MSY-type
Biomass

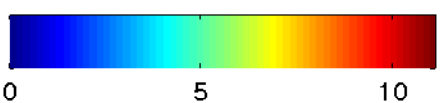

0.1
0.2
0.3
0.4
Relative to unfished



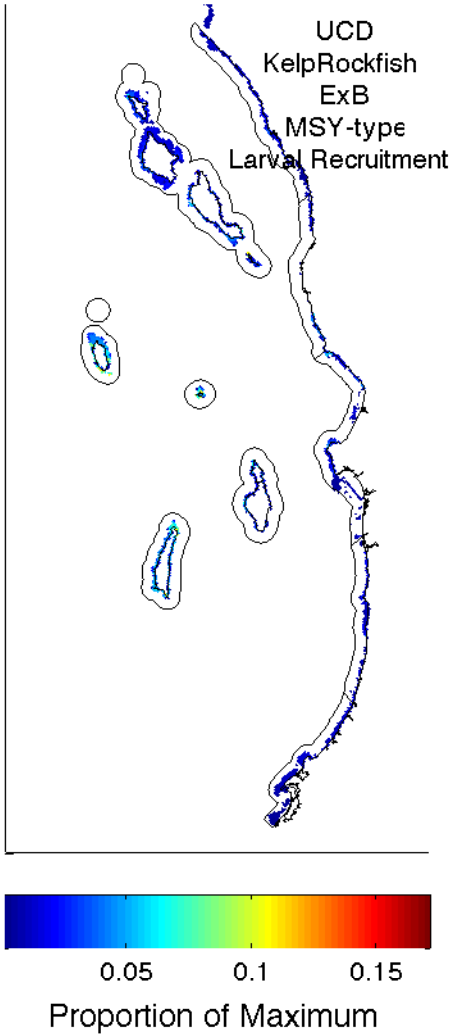


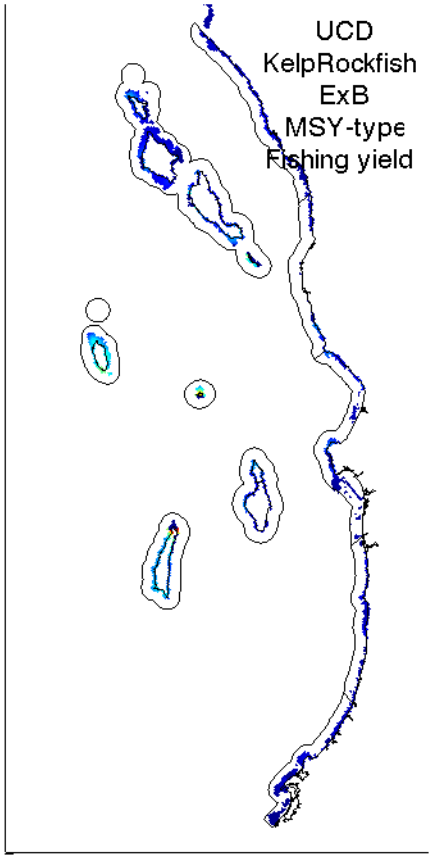
Relative to MSY maximum effort

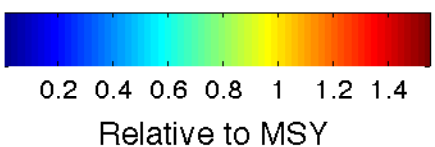


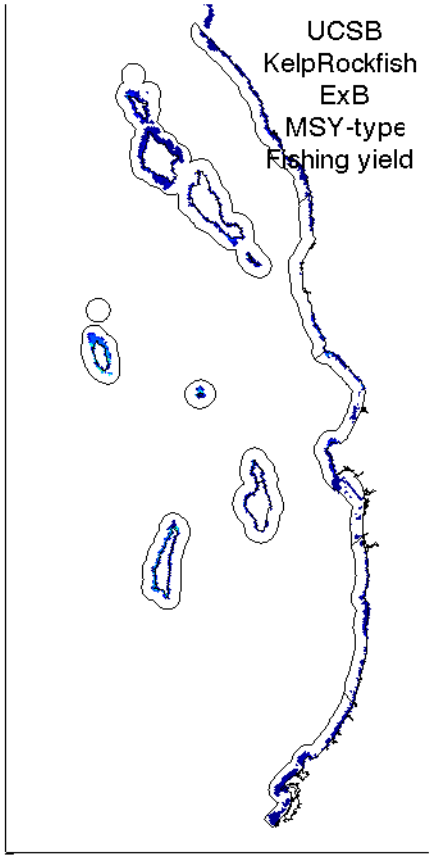


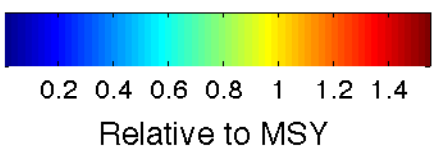
Relative to MSY maximum effort

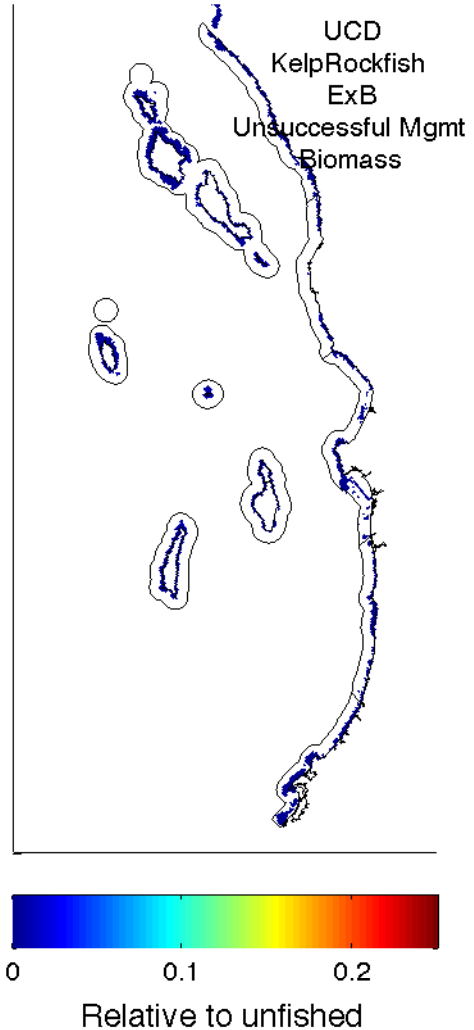

UCD
KelpRockfish
ExB
MSY-type
Larval Recruitment
0.05
0.1
0.15
Proportion of Maximum

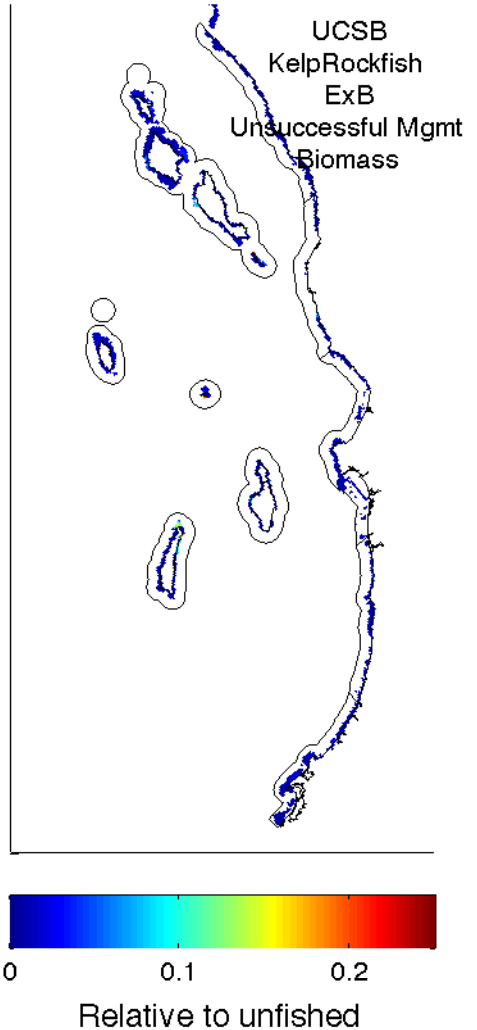

UCD
KelpRockfish
ExB
MSY-type
Fishing yield

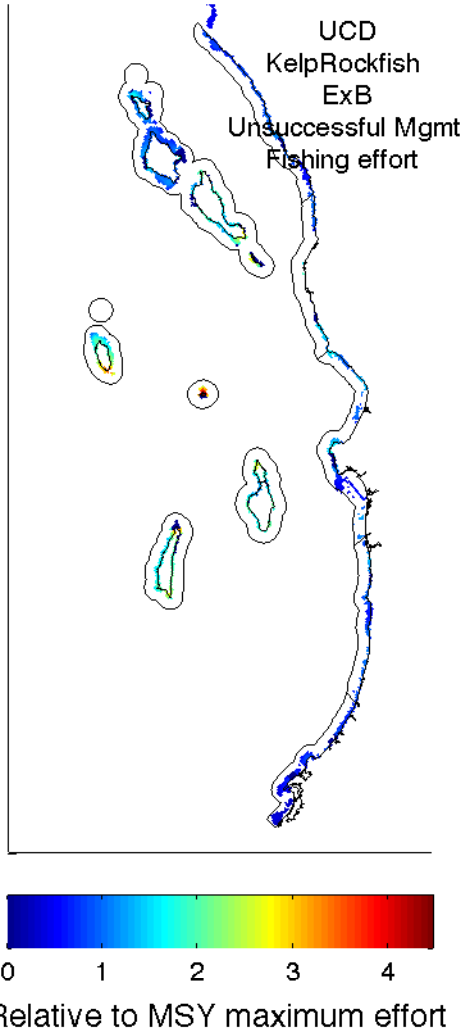

0.2 0.4 0.6 0.8 1 1.2 1.4
Relative to MSY

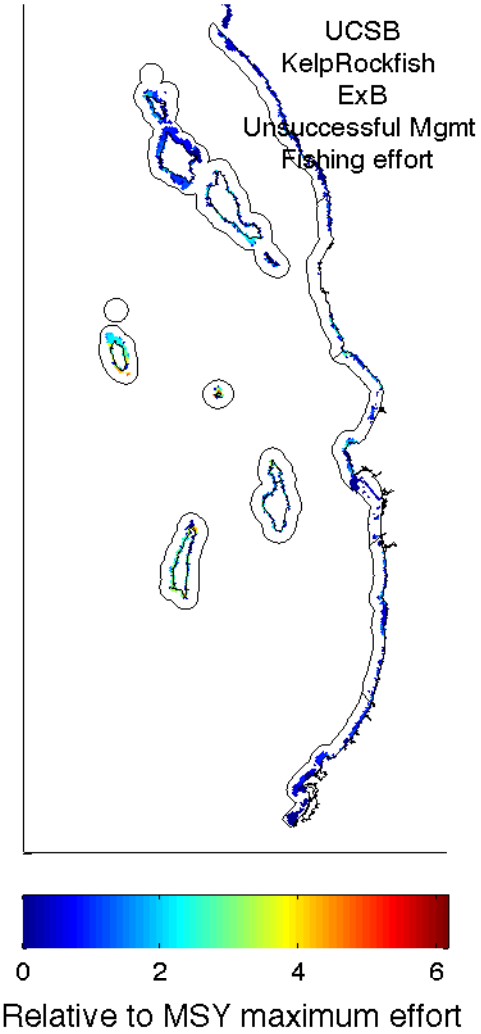

UCSB
KelpRockfish
ExB
MSY-type
Fishing yield

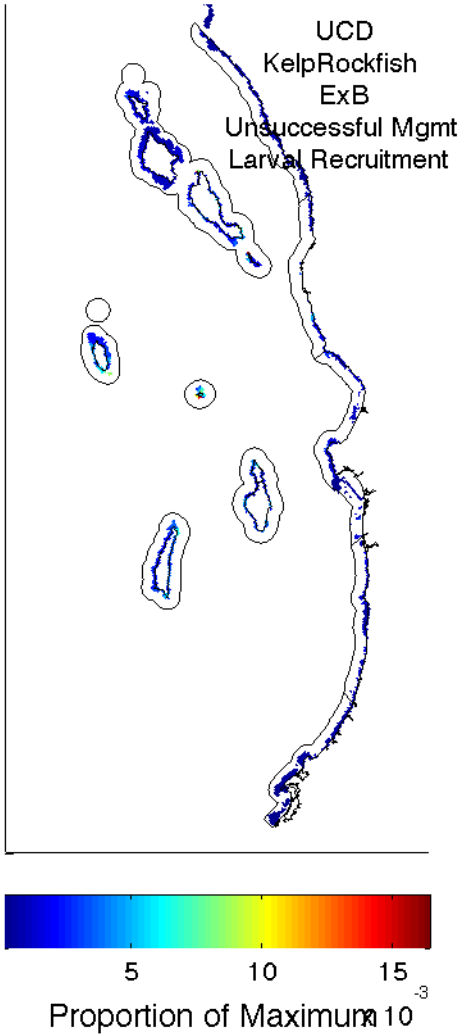

0.2 0.4 0.6 0.8 1 1.2 1.4
Relative to MSY

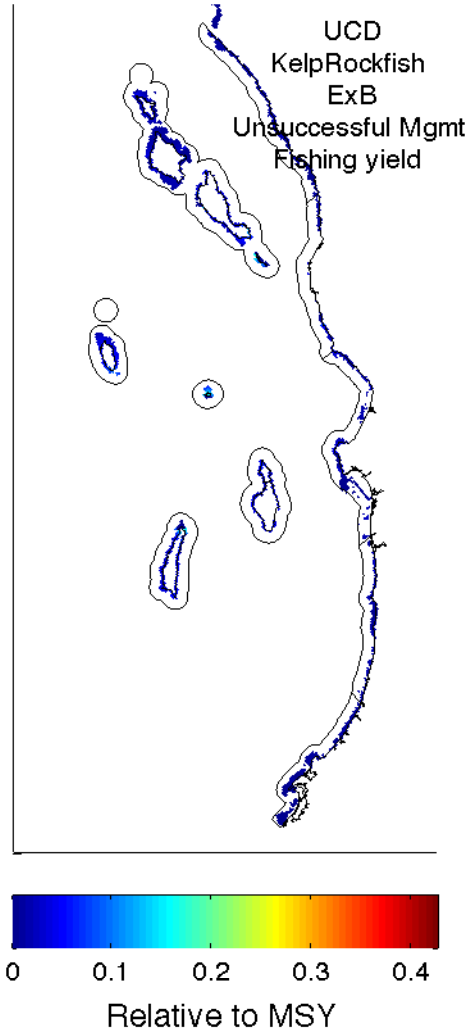

UCD
KelpRockfish
ExB
Unsuccessful Mgmt
Biomass
0
0.1
0.2
Relative to unfished

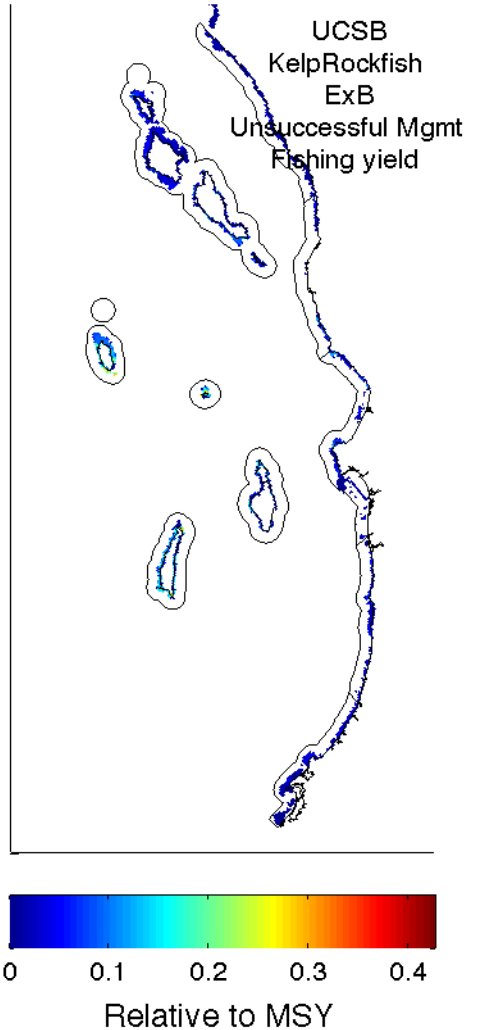

UCSB
KelpRockfish
ExB
Unsuccessful Mgmt
Biomass
0
0.1
0.2
Relative to unfished

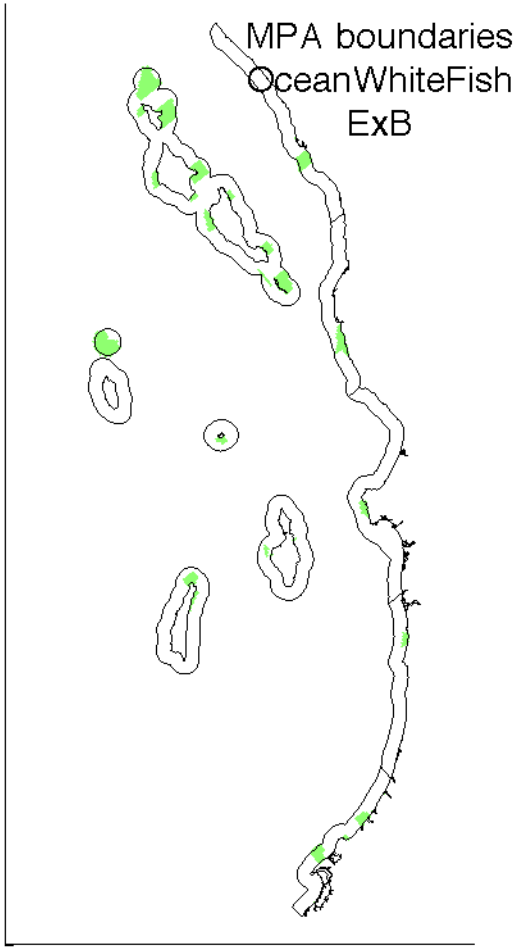

UCD
KelpRockfish
ExB
Unsuccessful Mgmt
Fishing effort
0
1
2
3
4
Relative to MSY maximum effort

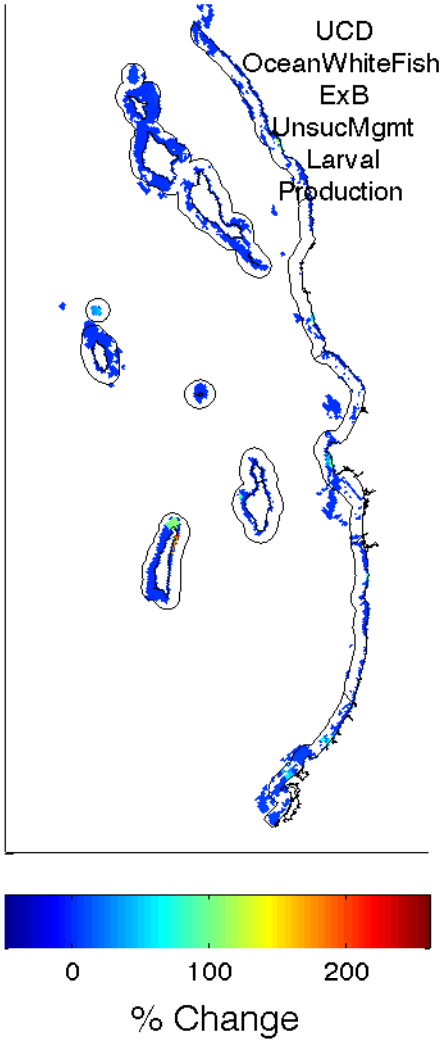

UCSB
KelpRockfish
ExB
Unsuccessful Mgmt
Fishing effort
0
2
4
6
Relative to MSY maximum effort

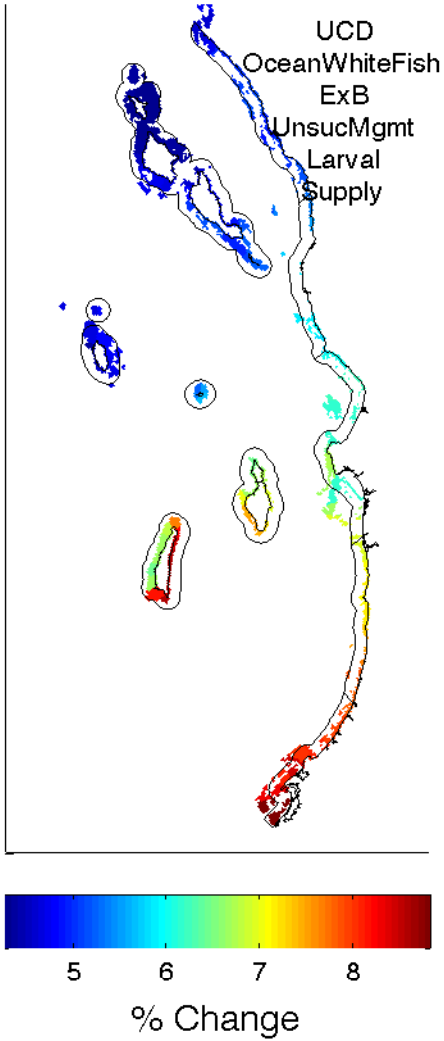

UCD
KelpRockfish
ExB
Unsuccessful Mgmt
Larval Recruitment
5
10
15
Proportion of Maximum
x 10
-3

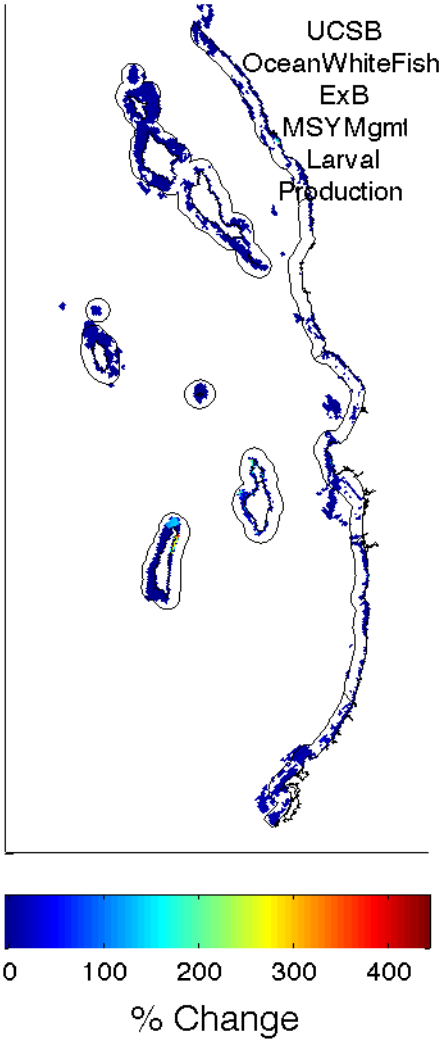

UCD
KelpRockfish
ExB
Unsuccessful Mgmt
Fishing yield
0
0.1
0.2
0.3
0.4
Relative to MSY

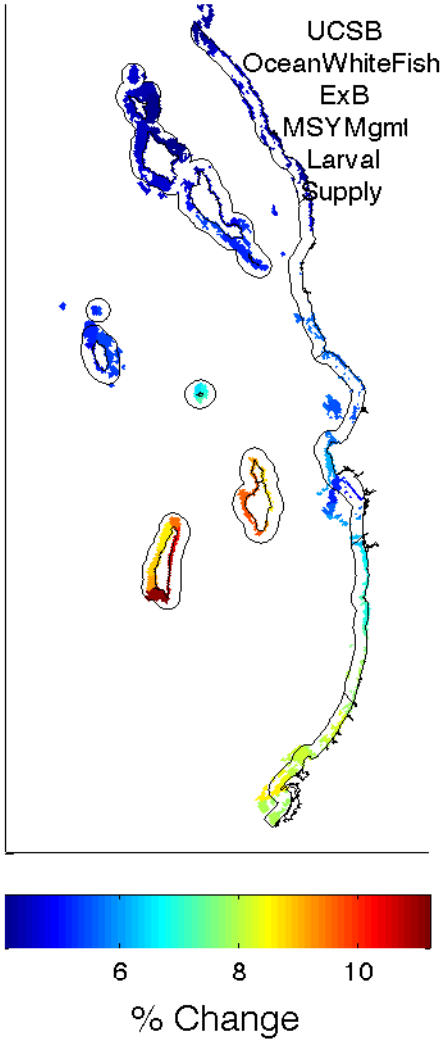

UCSB
KelpRockfish
ExB
Unsuccessful Mgmt
Fishing yield
0
0.1
0.2
0.3
0.4
Relative to MSY

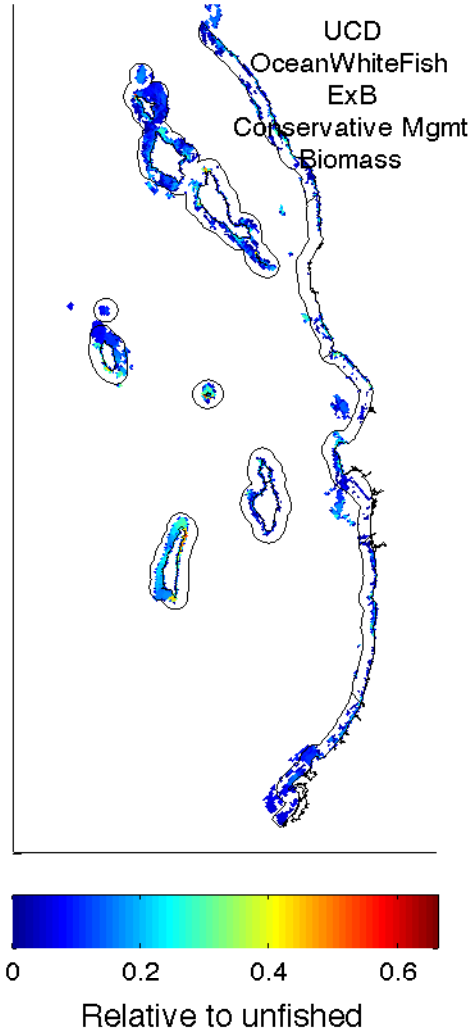

MPA boundaries
OceanWhiteFish
ExB

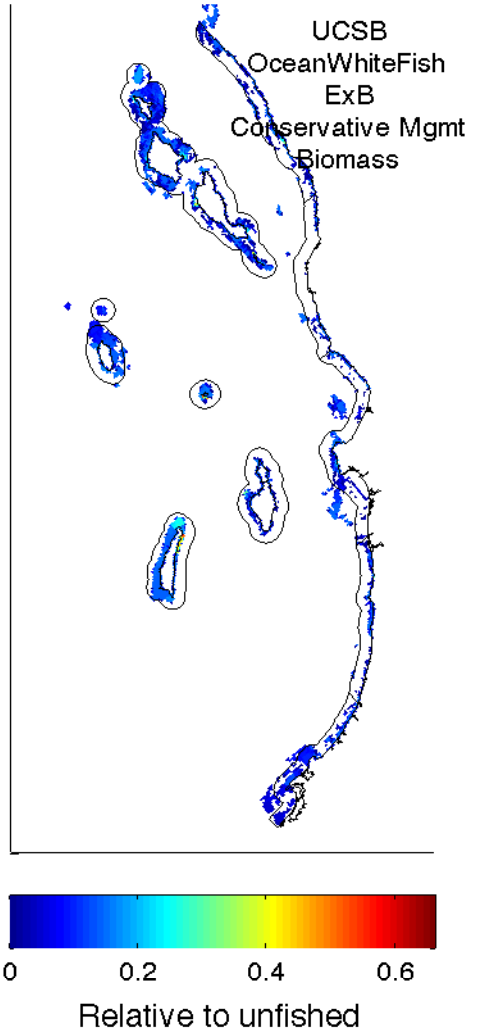

UCD
OceanWhiteFish
ExB
UnsucMgmt
Larval
Production
0
100
200
% Change

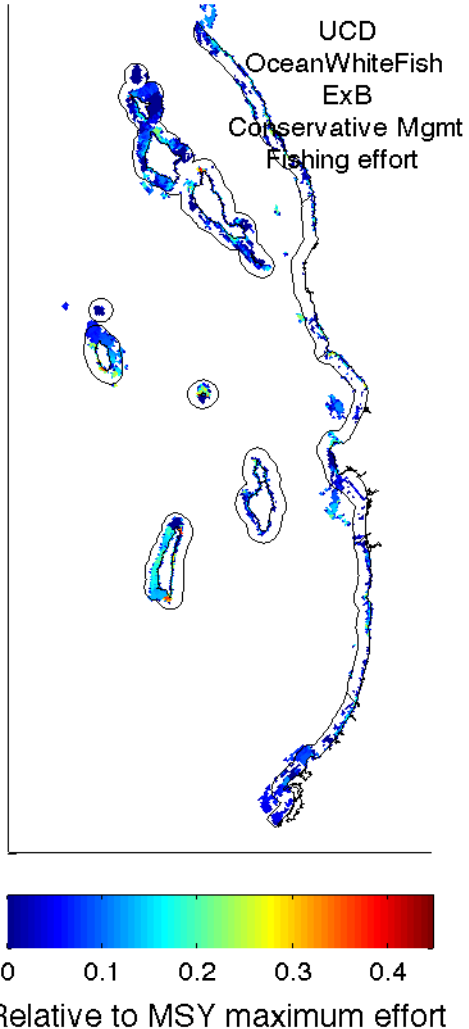

UCD
OceanWhiteFish
ExB
UnsucMgmt
Larval
Supply
5
6
7
8
% Change

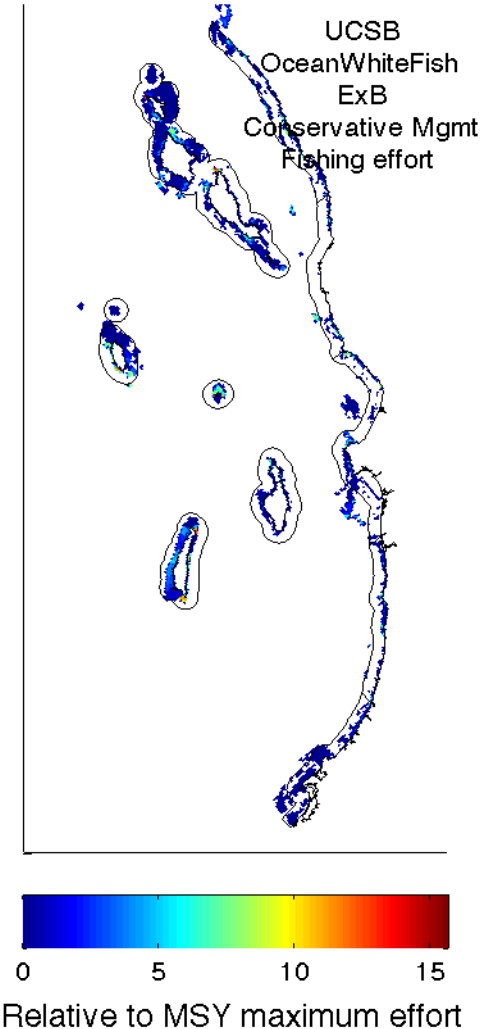

UCSB
OceanWhiteFish
ExB
MSYMgmt
Larval
Production
0
100
200
300
400
% Change

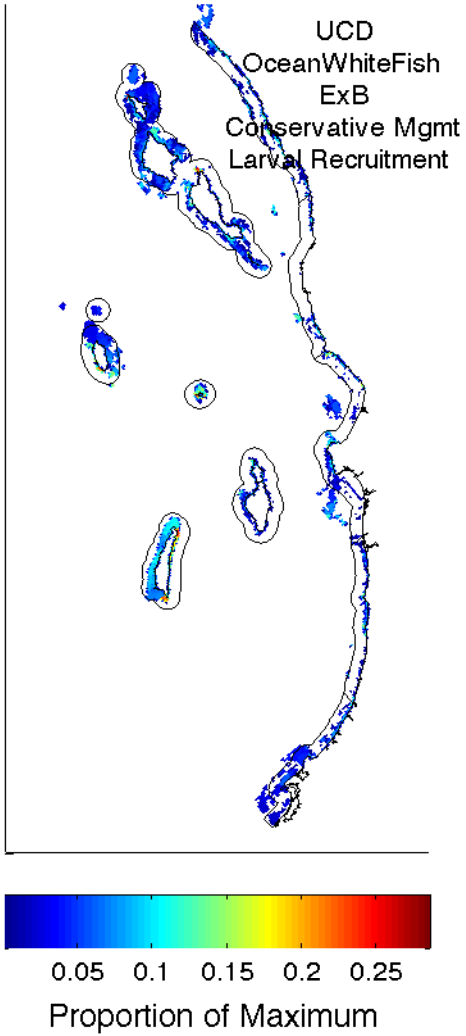

UCSB
OceanWhiteFish
ExB
MSYMgmt
Larval
Supply
6
8
10
% Change

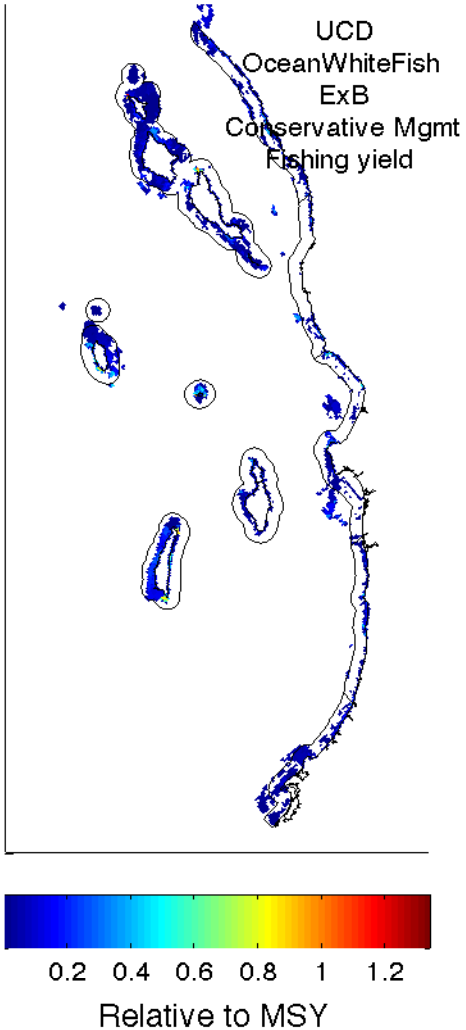

UCD
OceanWhiteFish
ExB
Conservative Mgmt
Biomass
0
0.2
0.4
0.6
Relative to unfished

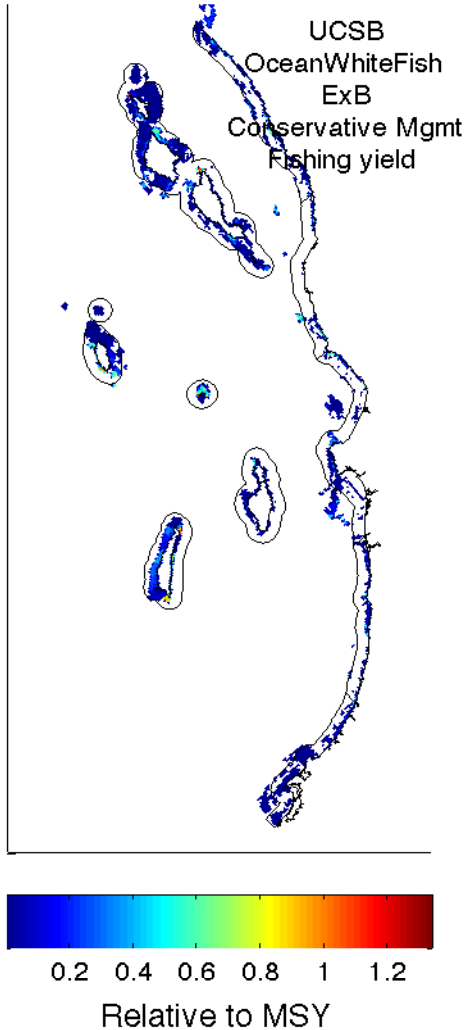

UCSB
OceanWhiteFish
ExB
Conservative Mgmt
Biomass
0
0.2
0.4
0.6
Relative to unfished

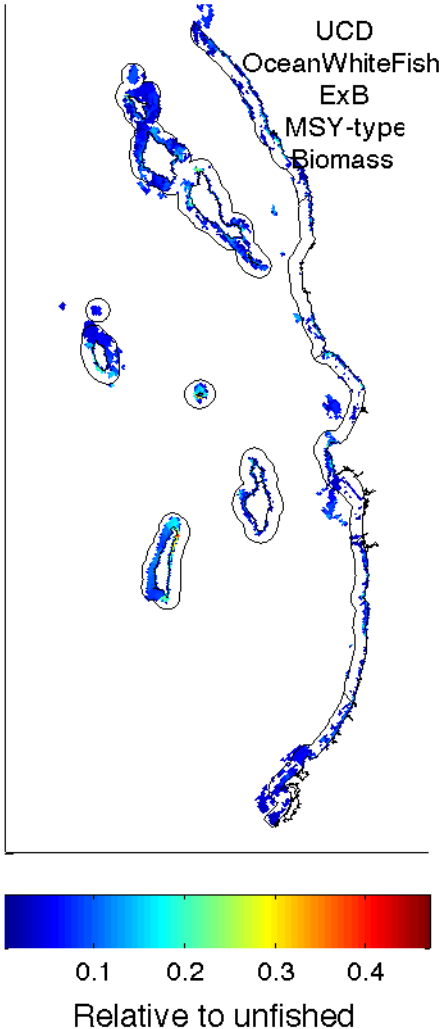

UCD
OceanWhiteFish
ExB
Conservative Mgmt
Fishing effort
0
0.1
0.2
0.3
0.4
Relative to MSY maximum effort

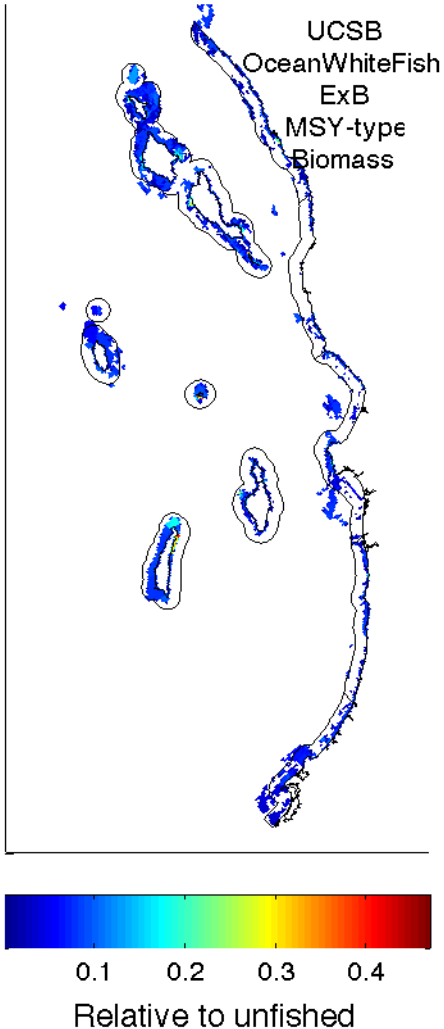

UCSB
OceanWhiteFish
ExB
Conservative Mgmt
Fishing effort
0
5
10
15
Relative to MSY maximum effort

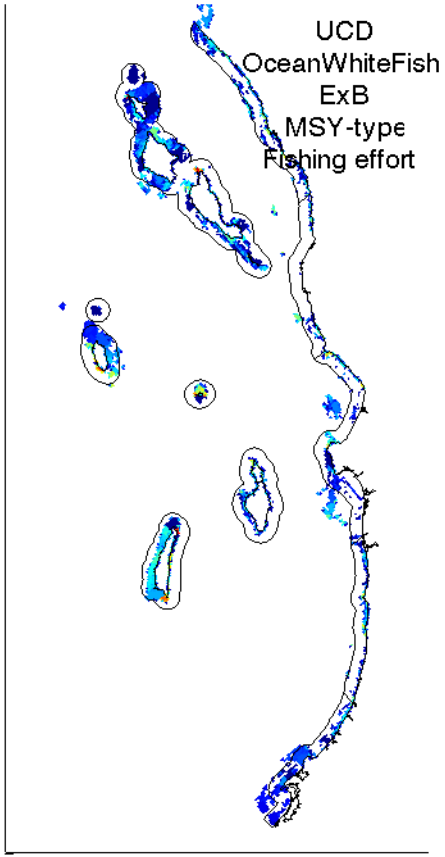

UCD
OceanWhiteFish
ExB
Conservative Mgmt
Larval Recruitment
0.05
0.1
0.15
0.2
0.25
Proportion of Maximum

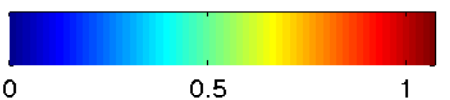

UCD
OceanWhiteFish
ExB
Conservative Mgmt
Fishing yield
0.2 0.4 0.6 0.8 1 1.2
Relative to MSY


UCSB
OceanWhiteFish
ExB
Conservative Mgmt
Fishing yield
0.2 0.4 0.6 0.8 1 1.2
Relative to MSY

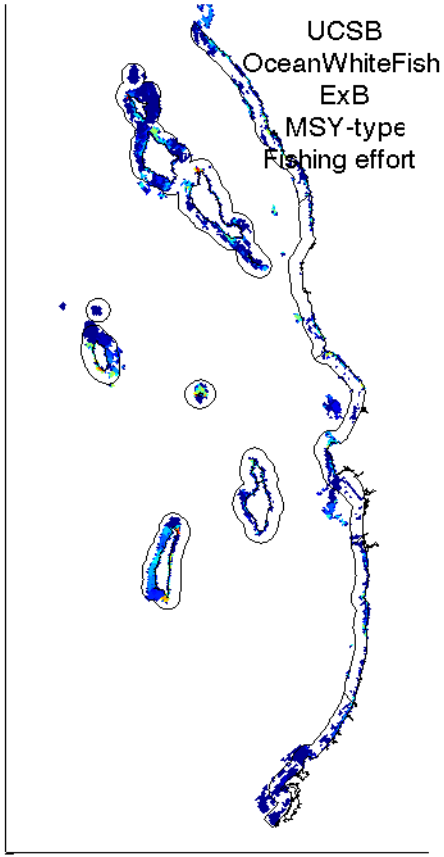

UCD
OceanWhiteFish
ExB
MSY-type
Biomass
0.1
0.2
0.3
0.4
Relative to unfished

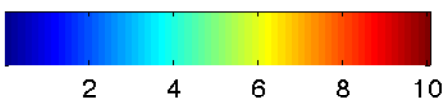

UCSB
OceanWhiteFish
ExB
MSY-type
Biomass
0.1
0.2
0.3
0.4
Relative to unfished



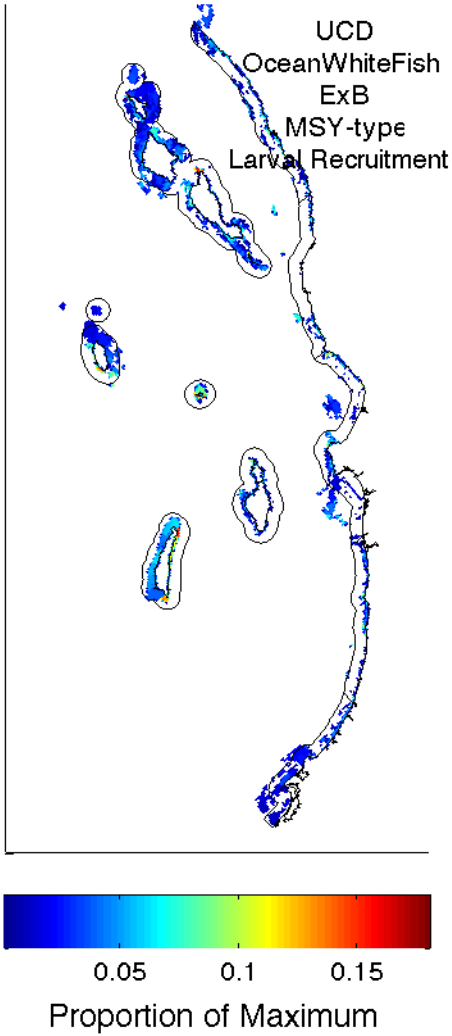


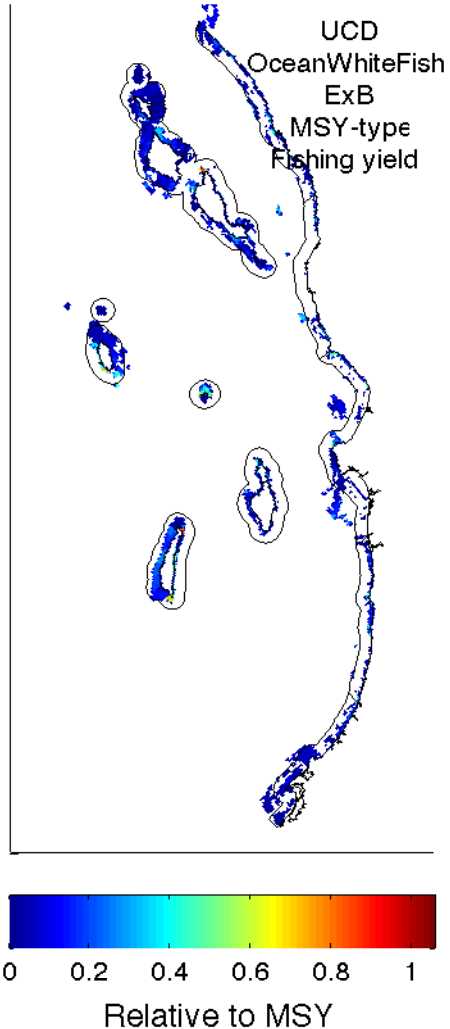
Relative to MSY maximum effort

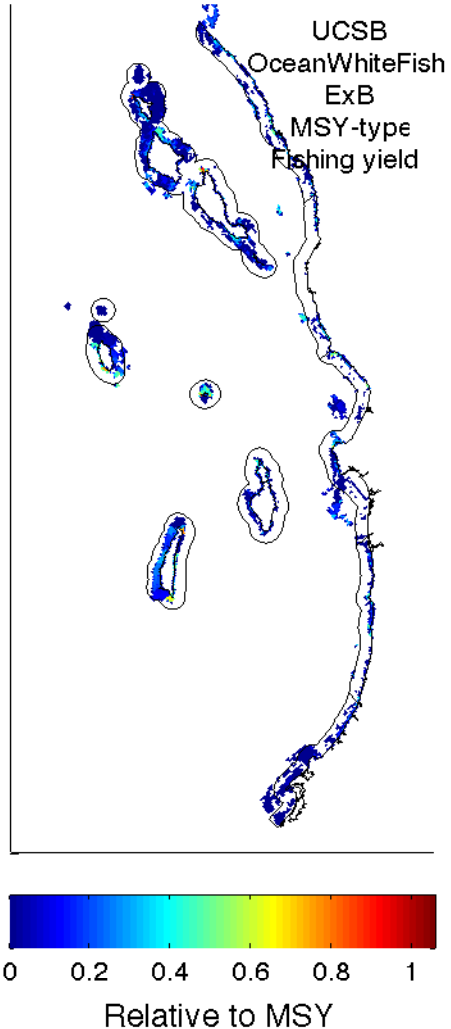


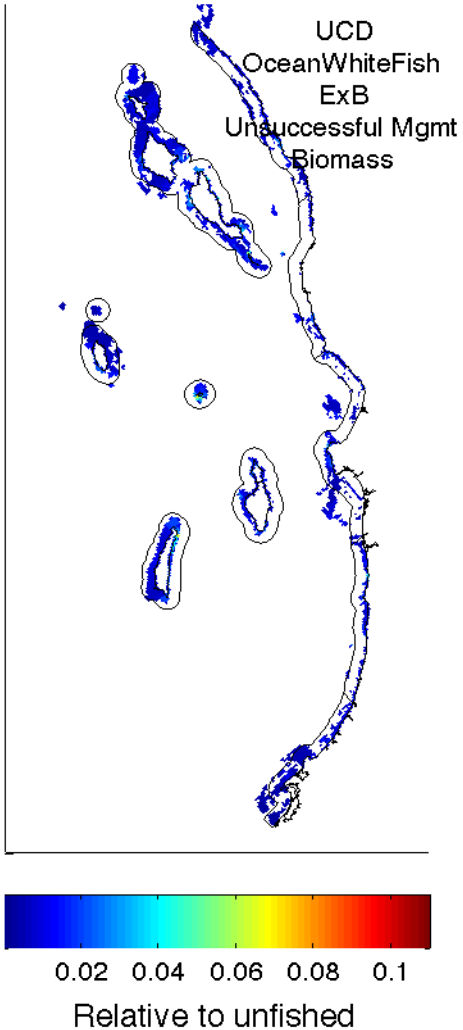


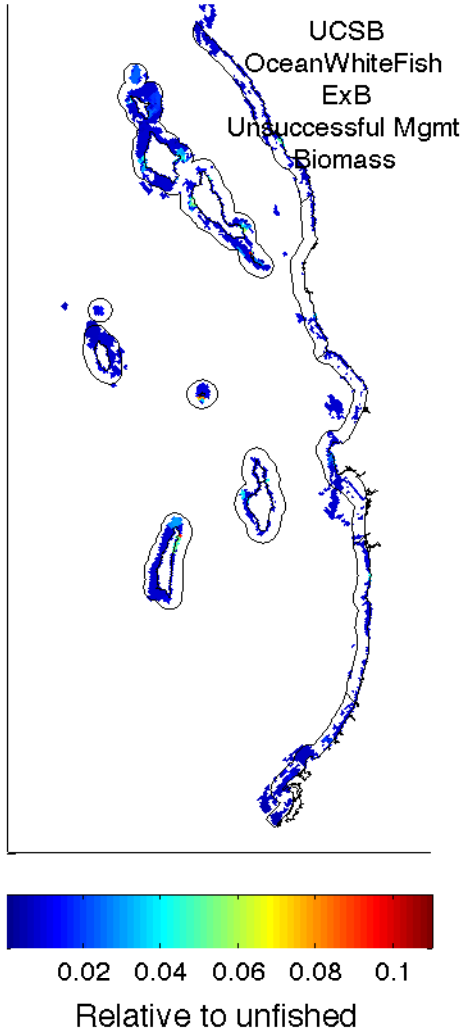
Relative to MSY maximum effort

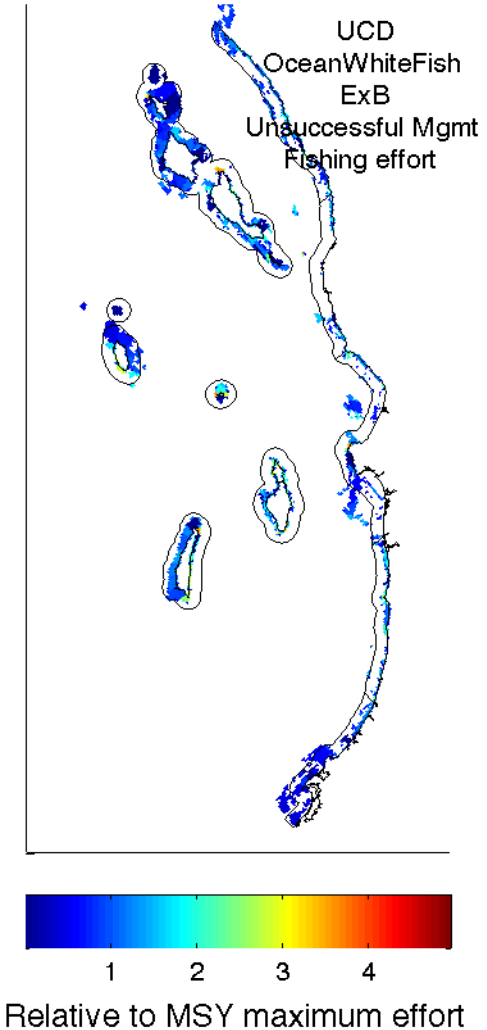

UCD
OceanWhiteFish
ExB
MSY-type
Larval Recruitment
0.05
0.1
0.15
Proportion of Maximum

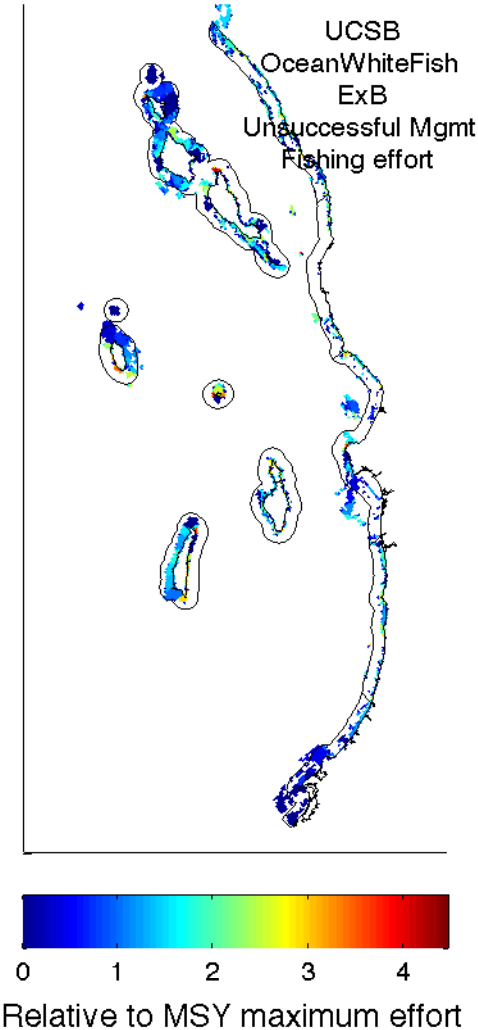

UCD
OceanWhiteFish
ExB
MSY-type
Fishing yield
0
0.2
0.4
0.6
0.8
1
Relative to MSY

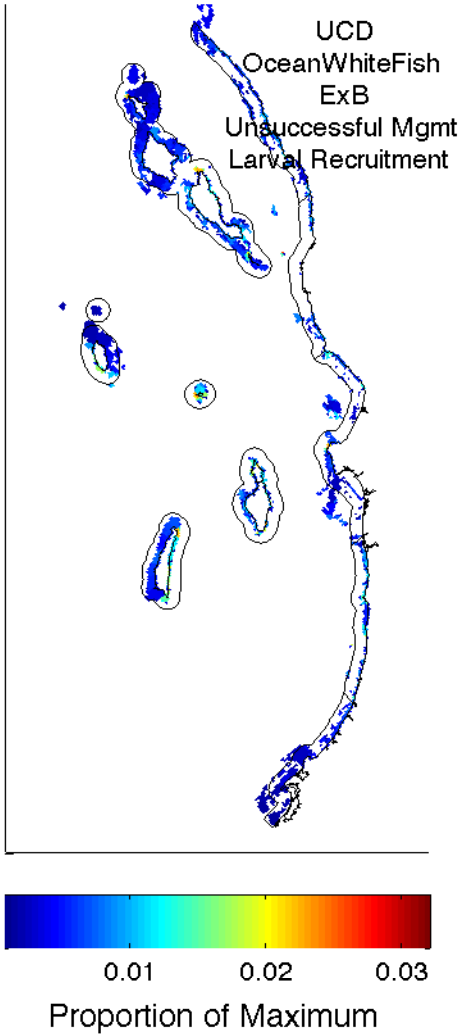

UCSB
OceanWhiteFish
ExB
MSY-type
Fishing yield
0
0.2
0.4
0.6
0.8
1
Relative to MSY

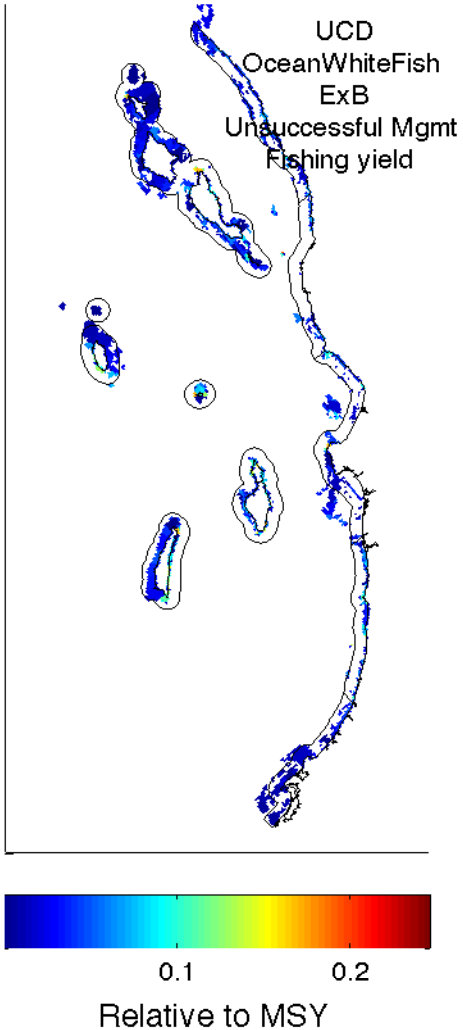

UCD
OceanWhiteFish
ExB
Unsuccessful Mgmt
Biomass
0.02 0.04 0.06 0.08 0.1
Relative to unfished

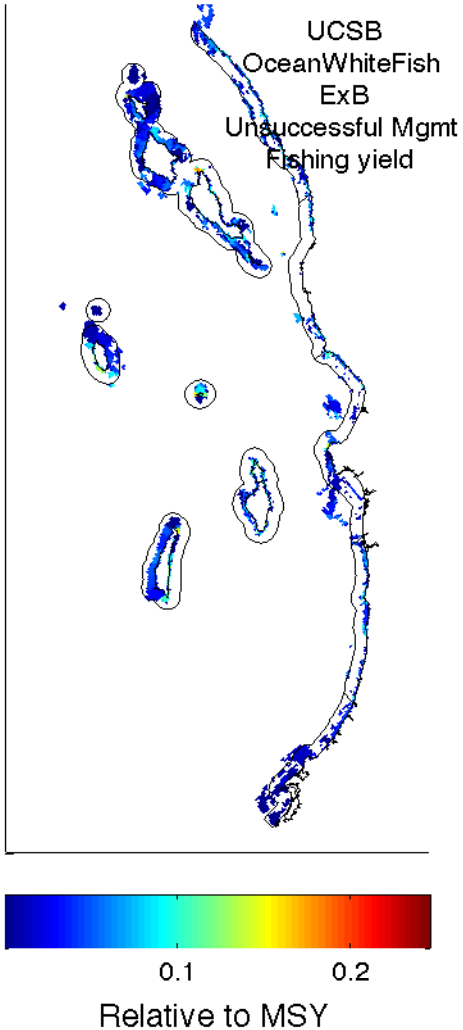

UCSB
OceanWhiteFish
ExB
Unsuccessful Mgmt
Biomass
0.02 0.04 0.06 0.08 0.1
Relative to unfished

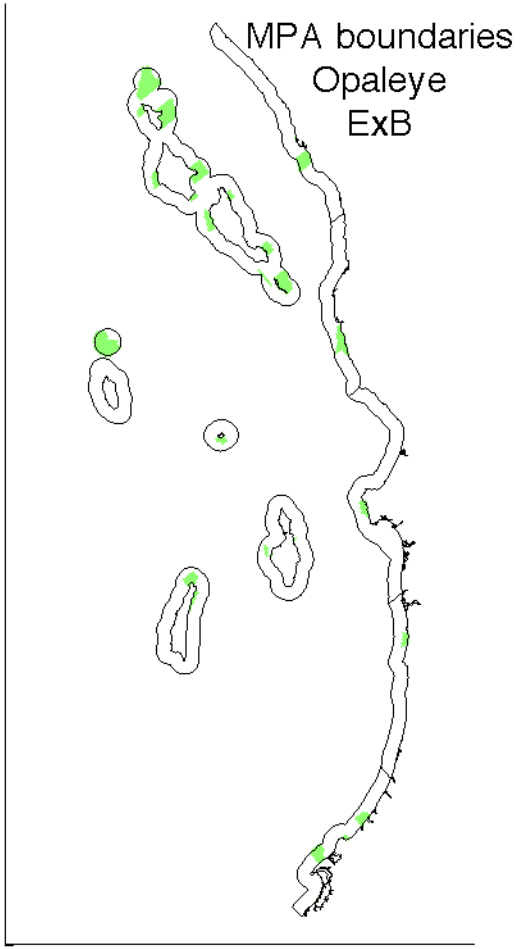

UCD
OceanWhiteFish
ExB
Unsuccessful Mgmt
Fishing effort
1
2
3
4
Relative to MSY maximum effort

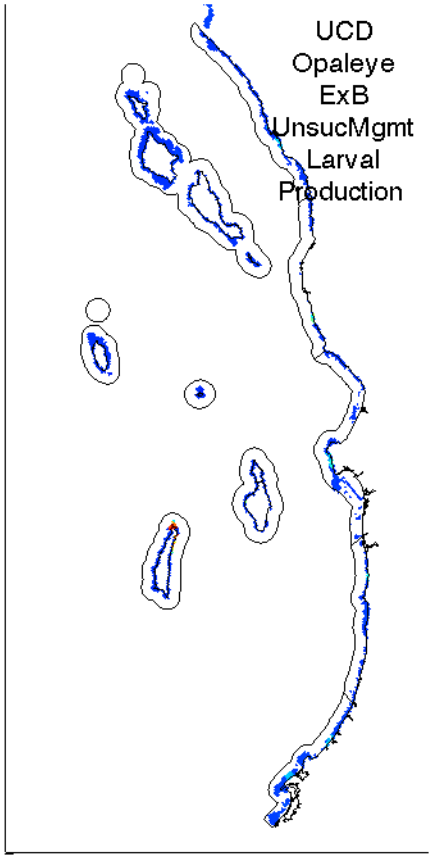

UCSB
OceanWhiteFish
ExB
Unsuccessful Mgmt
Fishing effort
0
1
2
3
4
Relative to MSY maximum effort

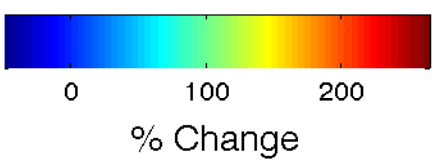

UCD
OceanWhiteFish
ExB
Unsuccessful Mgmt
Larval Recruitment
0.01
0.02
0.03
Proportion of Maximum

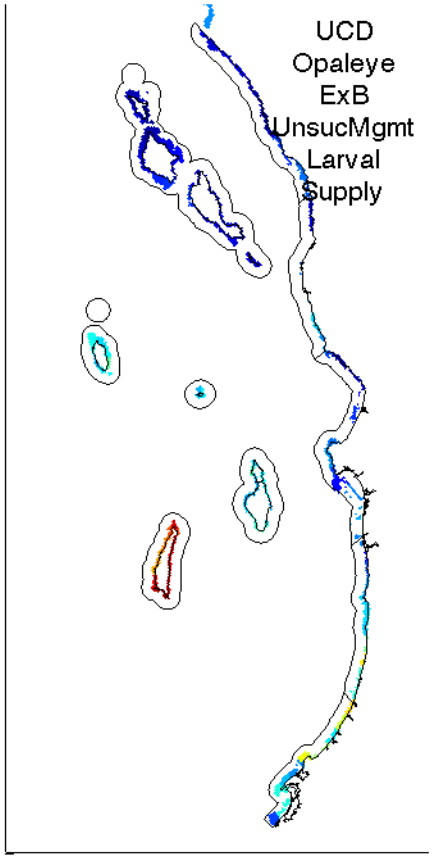

UCD
OceanWhiteFish
ExB
Unsuccessful Mgmt
Fishing yield
0.1
0.2
Relative to MSY

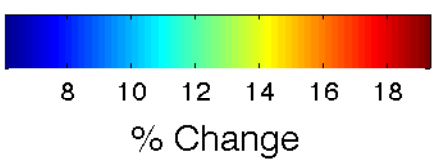

UCSB
OceanWhiteFish
ExB
Unsuccessful Mgmt
Fishing yield
0.1
0.2
Relative to MSY

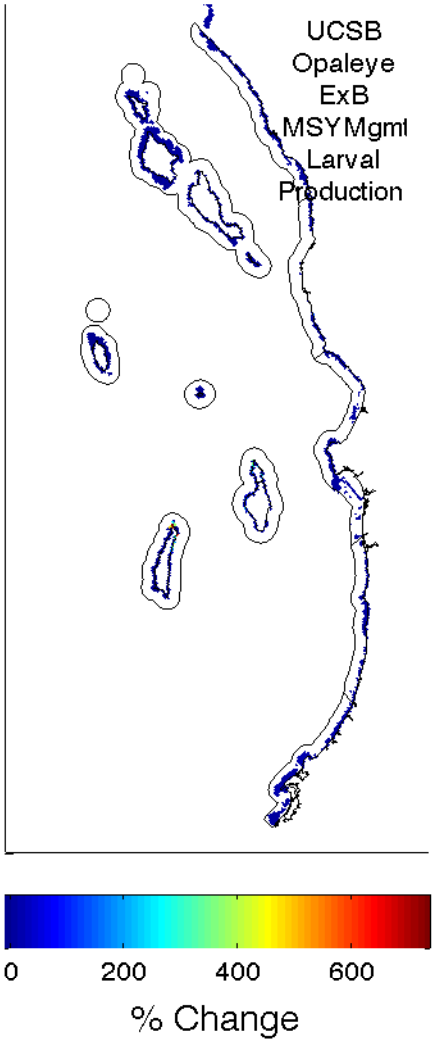

MPA boundaries
Opaleye
ExB

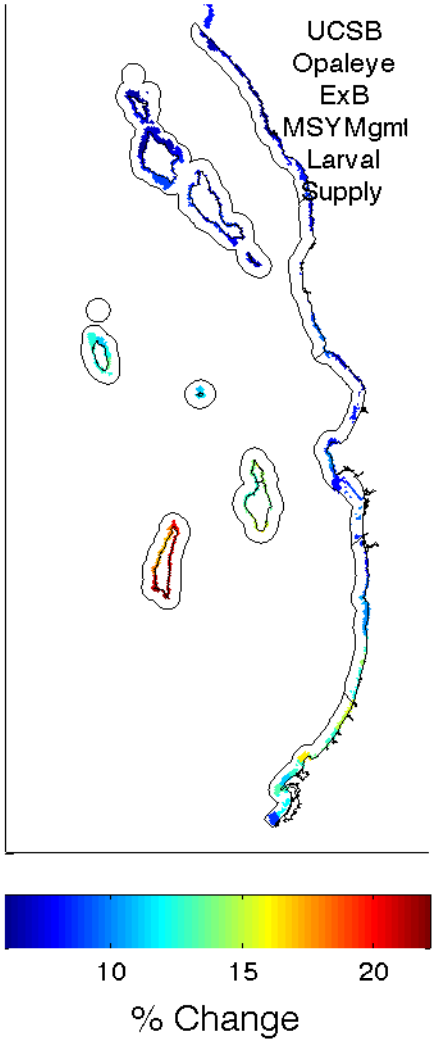

UCD
Opaleye
ExB
UnsucMgmt
Larval
Production

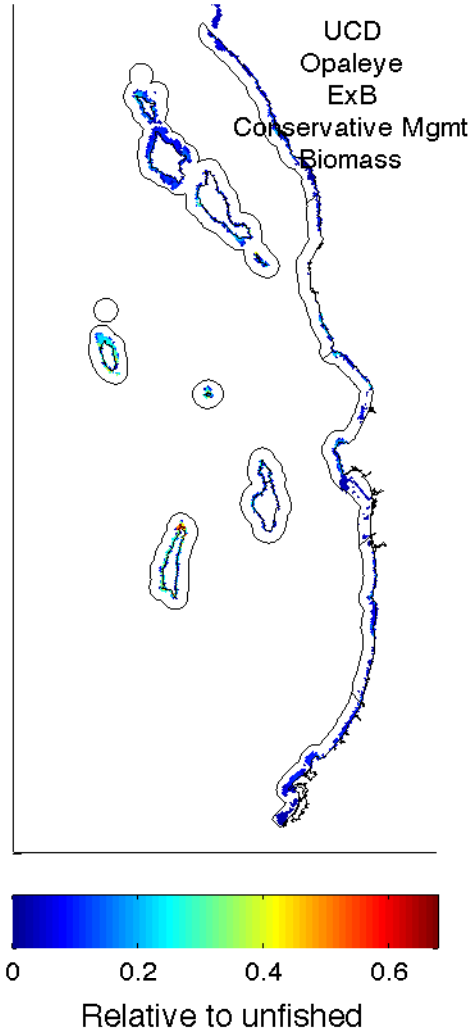

0
100
200
% Change

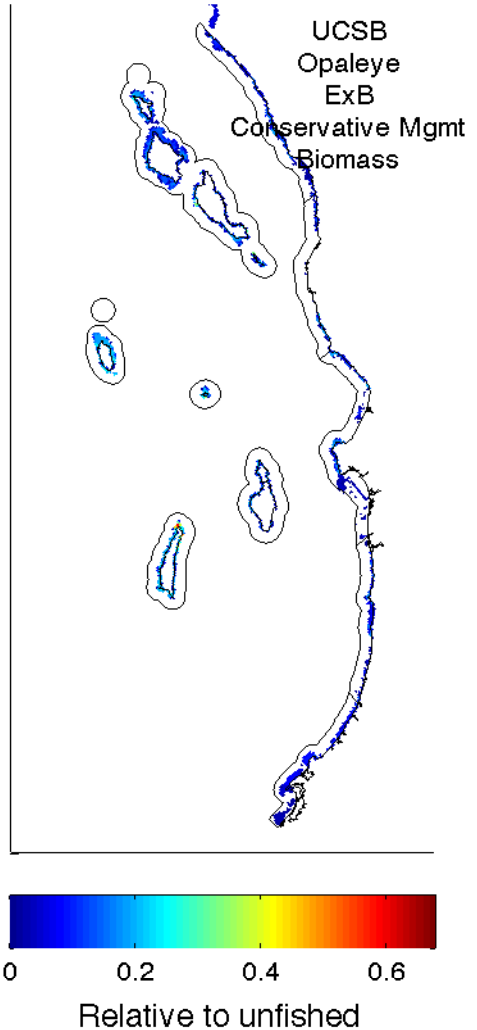

UCD
Opaleye
ExB
UnsucMgmt
Larval
Supply

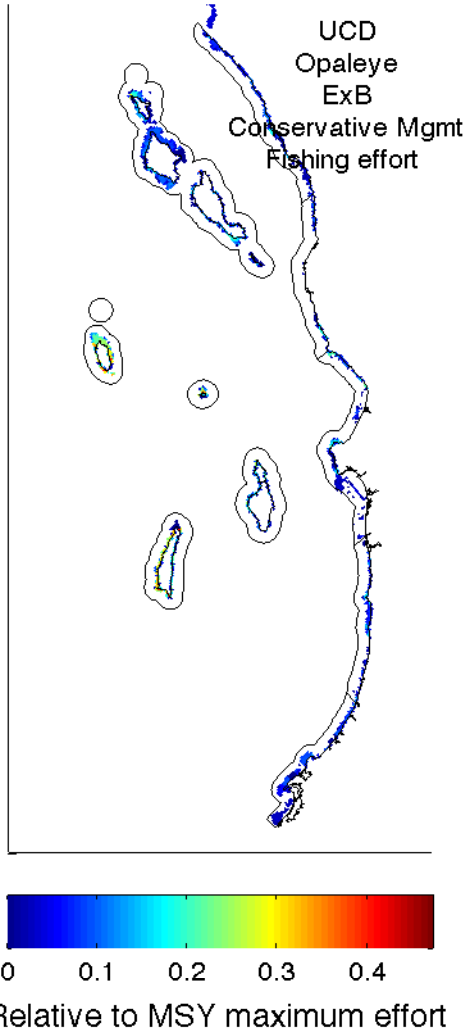

8
10
12
14
16
18
% Change

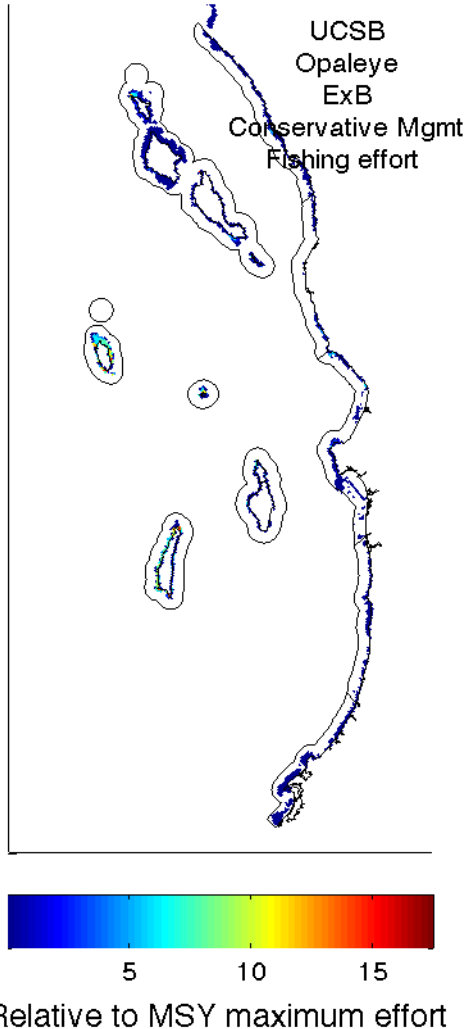

UCSB
Opaleye
ExB
MSYMgmt
Larval
Production
0
200
400
600
% Change

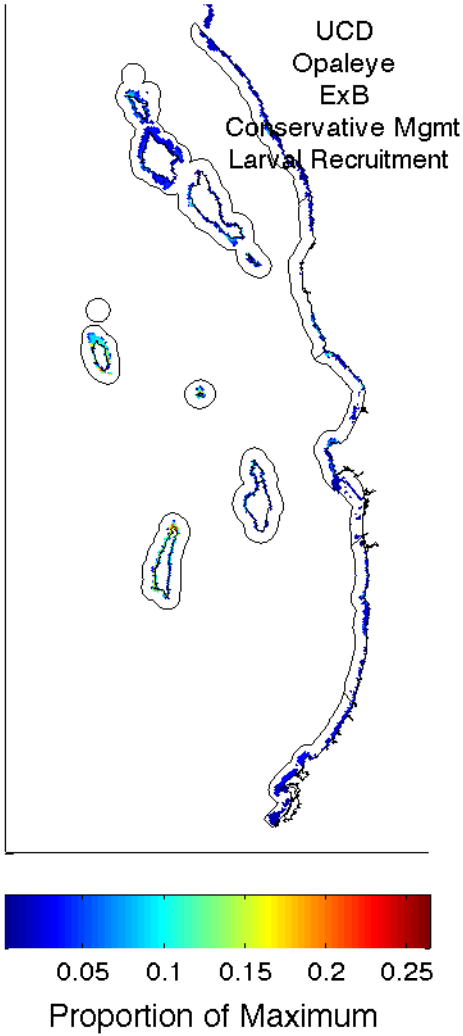

UCSB
Opaleye
ExB
MSYMgmt
Larval
Supply
10
15
20
% Change

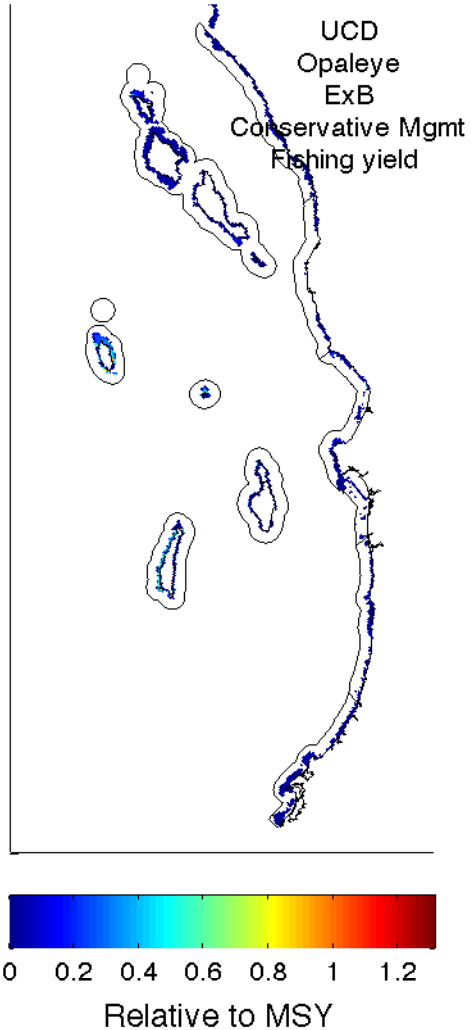

UCD
Opaleye
ExB
Conservative Mgmt
Biomass
0
0.2
0.4
0.6
Relative to unfished

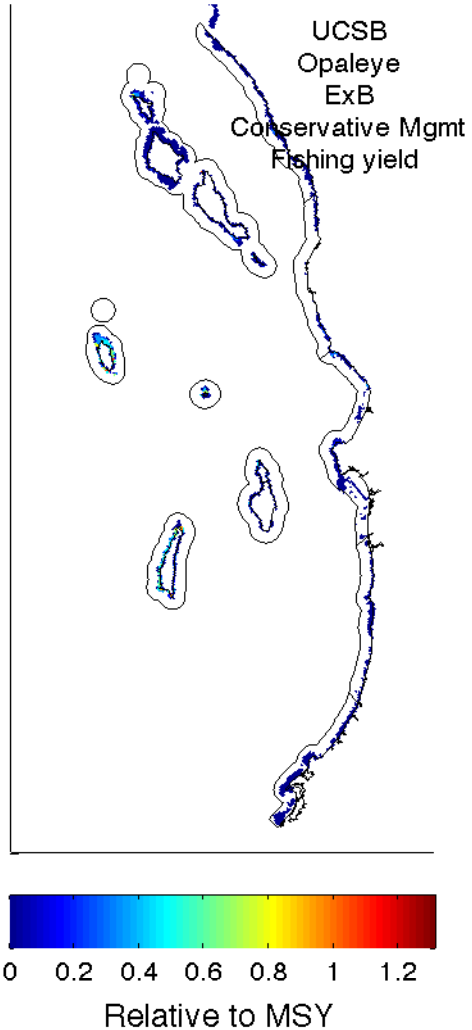

UCSB
Opaleye
ExB
Conservative Mgmt
Biomass
0
0.2
0.4
0.6
Relative to unfished

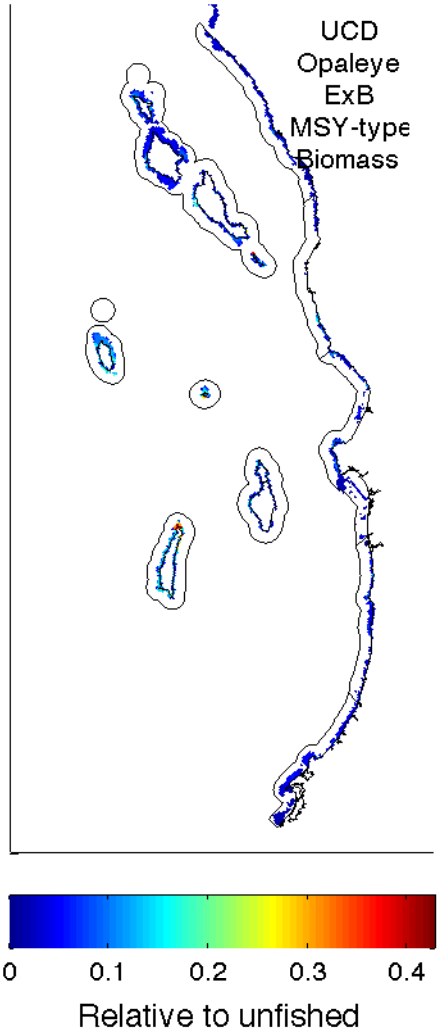

UCD
Opaleye
ExB
Conservative Mgmt
Fishing effort
0
0.1
0.2
0.3
0.4
Relative to MSY maximum effort

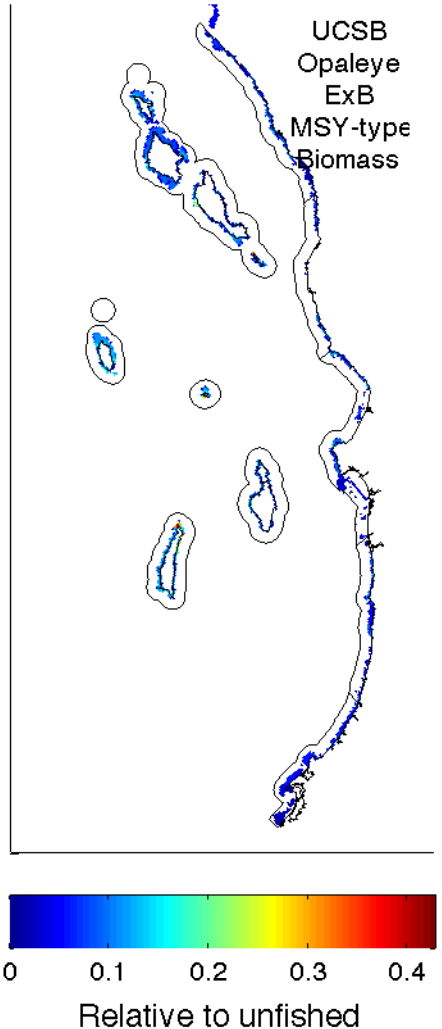

UCSB
Opaleye
ExB
Conservative Mgmt
Fishing effort
5
10
15
Relative to MSY maximum effort

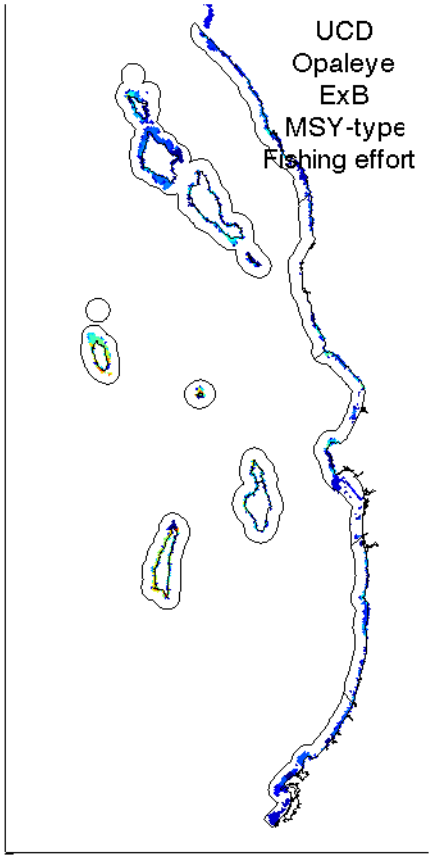

UCD
Opaleye
ExB
Conservative Mgmt
Larval Recruitment
0.05
0.1
0.15
0.2
0.25
Proportion of Maximum

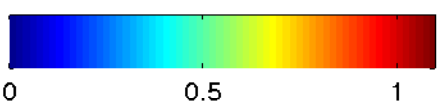

UCD
Opaleye
ExB
Conservative Mgmt
Fishing yield
0
0.2
0.4
0.6
0.8
1
1.2
Relative to MSY


UCSB
Opaleye
ExB
Conservative Mgmt
Fishing yield
0
0.2
0.4
0.6
0.8
1
1.2
Relative to MSY

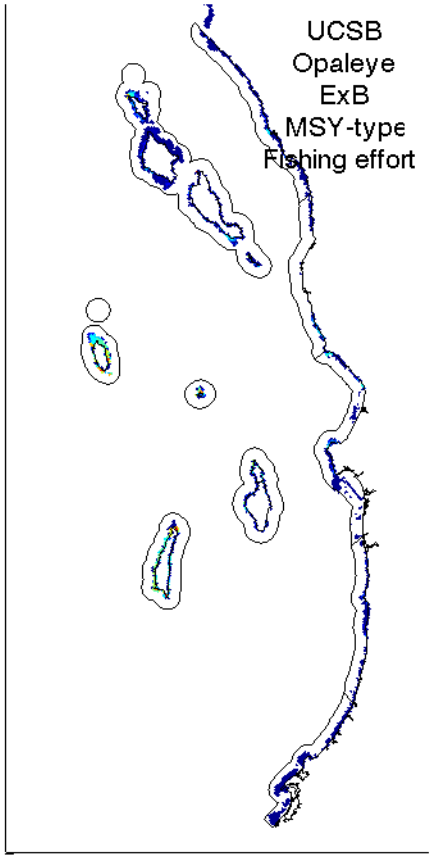

UCD
Opaleye
ExB
MSY-type
Biomass
0
0.1
0.2
0.3
0.4
Relative to unfished

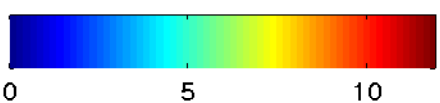

UCSB
Opaleye
ExB
MSY-type
Biomass
0
0.1
0.2
0.3
0.4
Relative to unfished



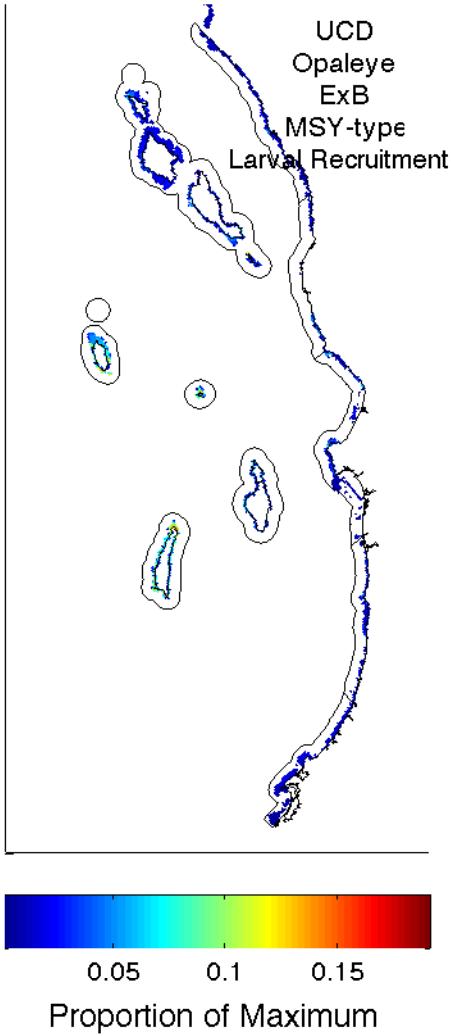


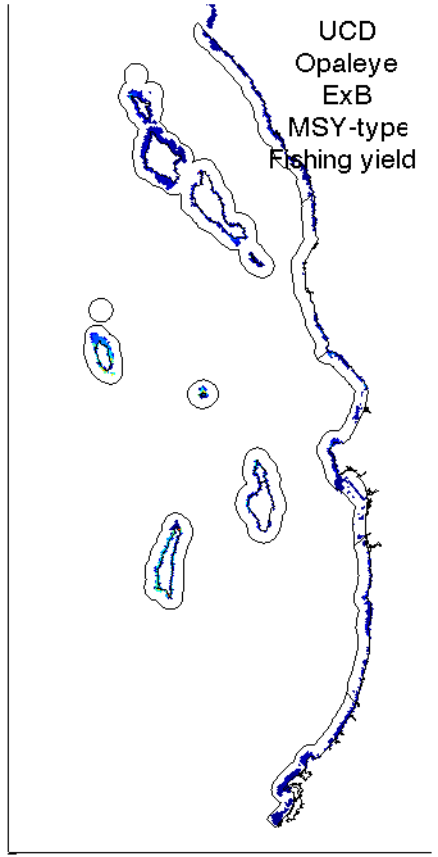
Relative to MSY maximum effort

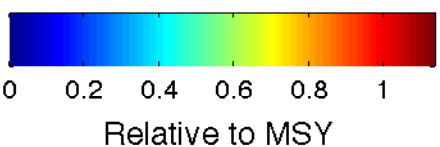


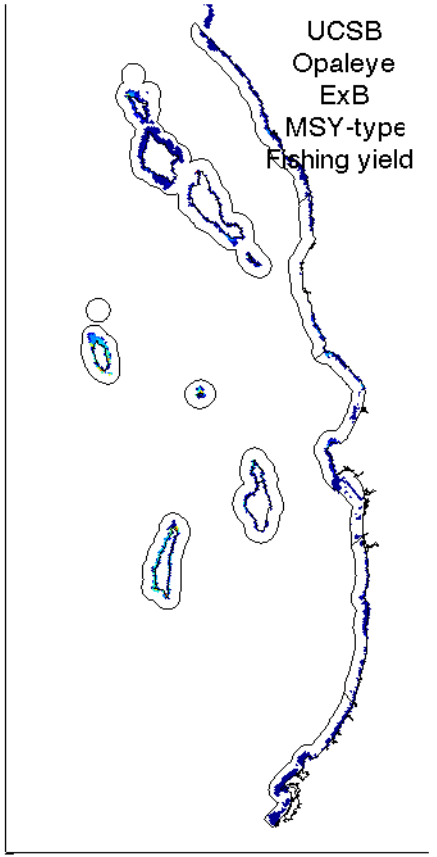


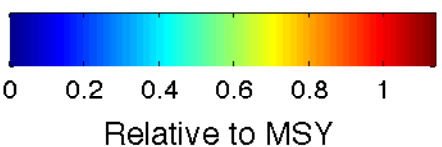
Relative to MSY maximum effort

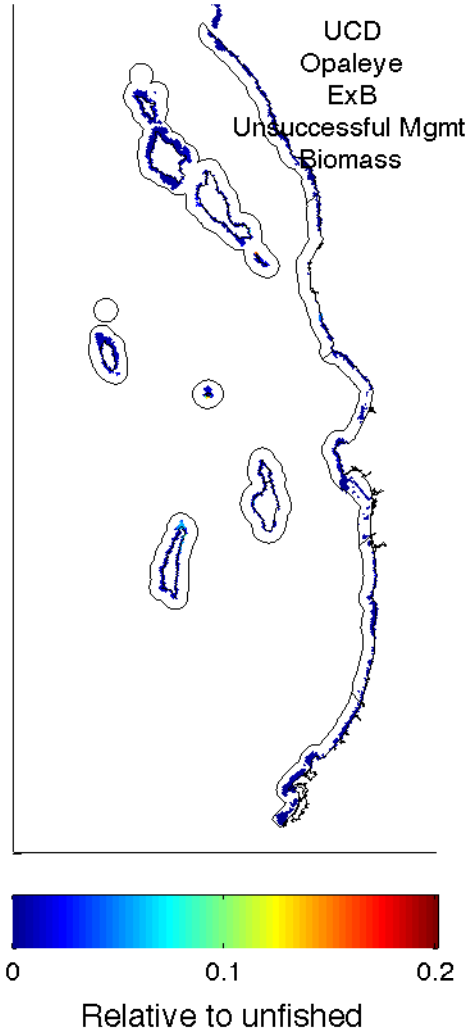

UCD
Opaleye
ExB
MSY-type
Larval Recruitment
0.05
0.1
0.15
Proportion of Maximum

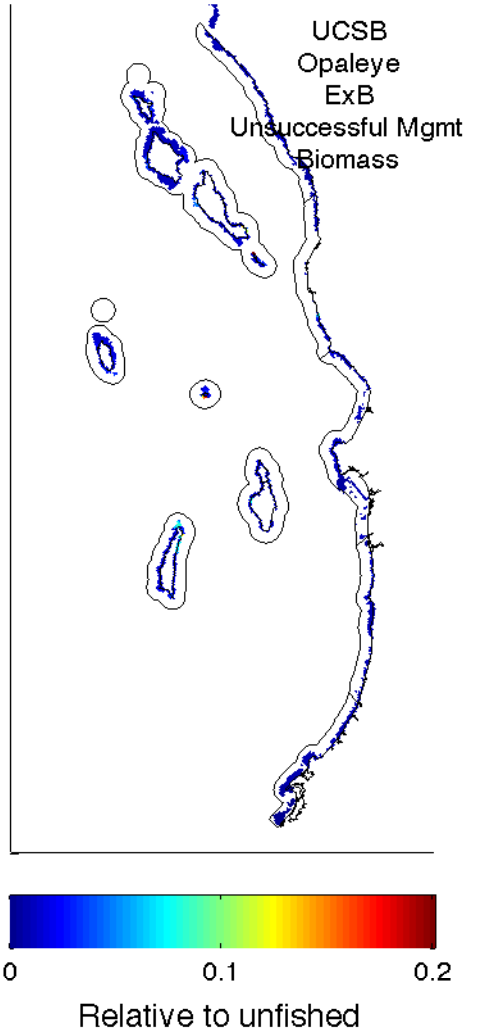

UCD
Opaleye
ExB
MSY-type
Fishing yield

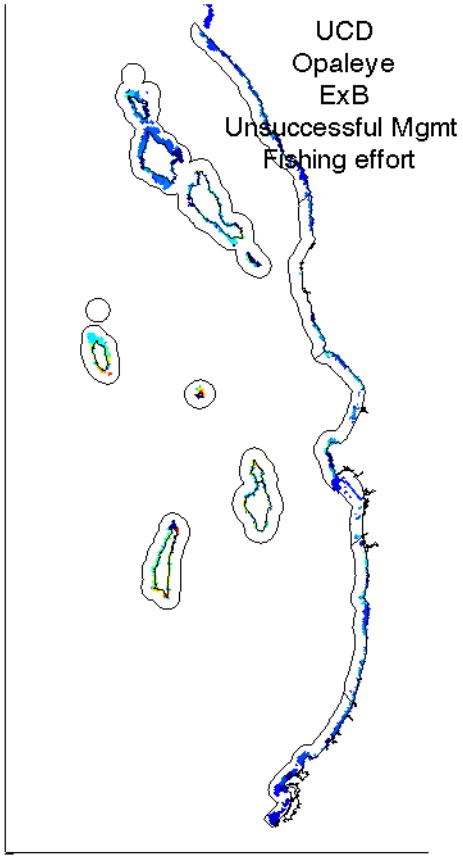

0
0.2
0.4
0.6
0.8
1
Relative to MSY

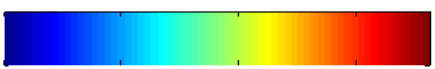

UCSB
Opaleye
ExB
MSY-type
Fishing yield


0
0.2
0.4
0.6
0.8
1
Relative to MSY

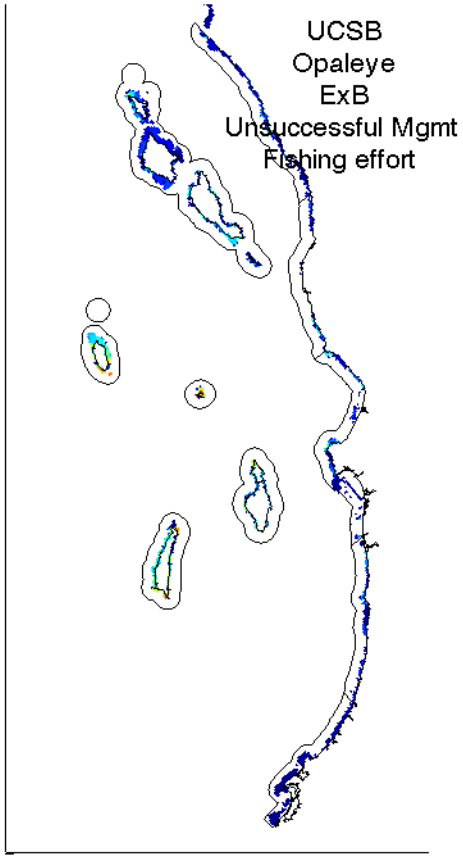

UCD
Opaleye
ExB
Unsuccessful Mgmt
Biomass
0
0.1
0.2
Relative to unfished


UCSB
Opaleye
ExB
Unsuccessful Mgmt
Biomass
0
0.1
0.2
Relative to unfished

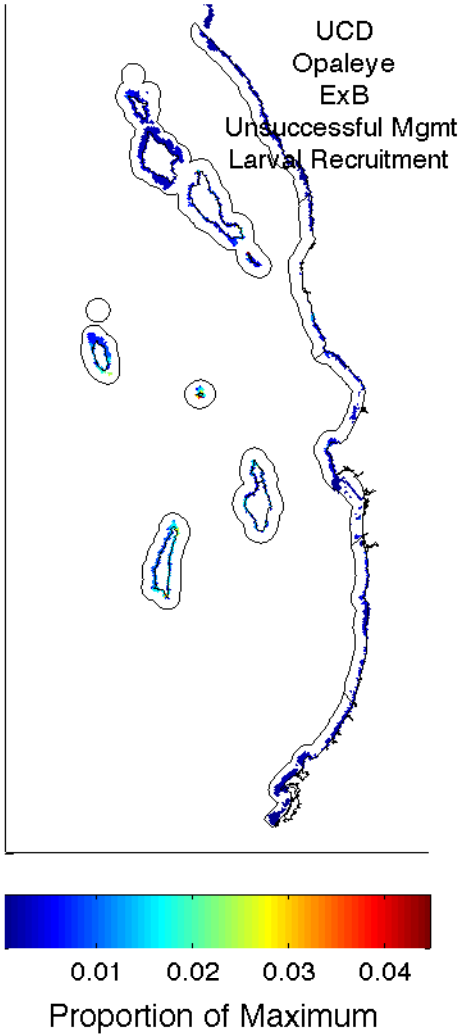


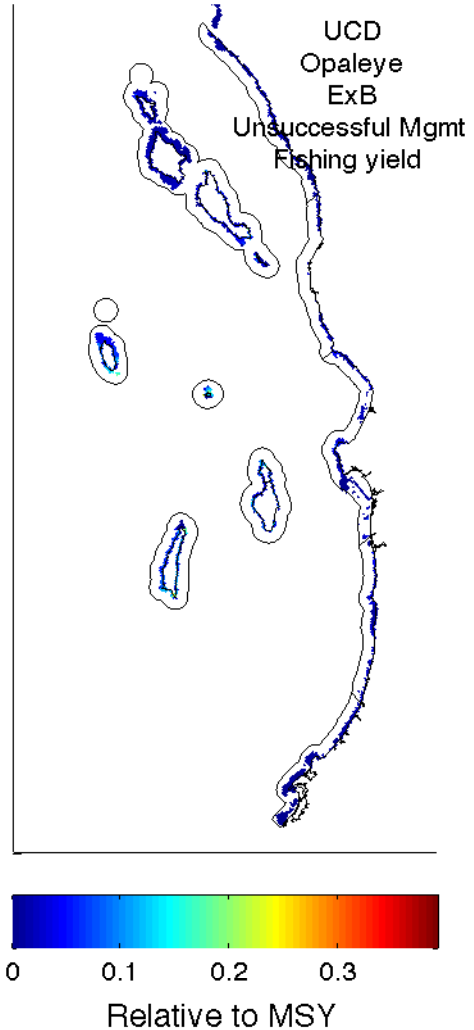


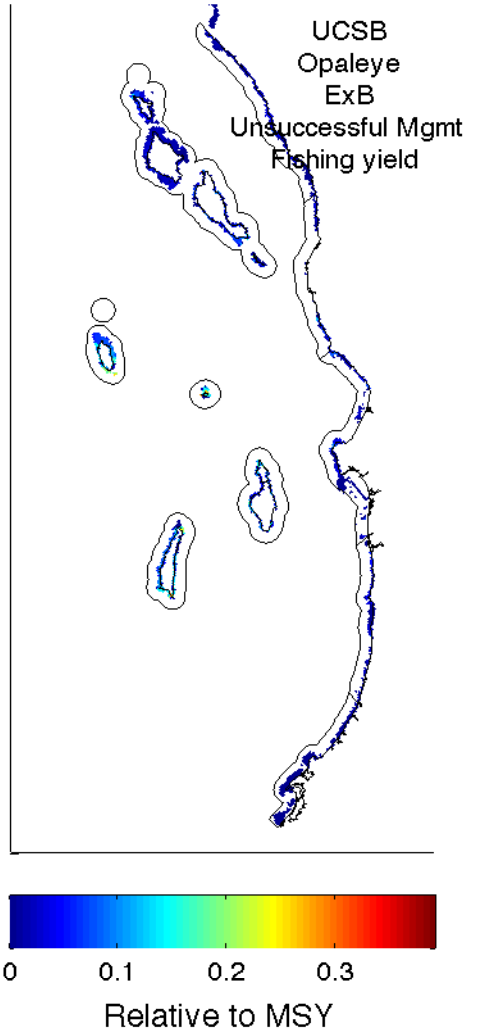
Relative to MSY maximum effort

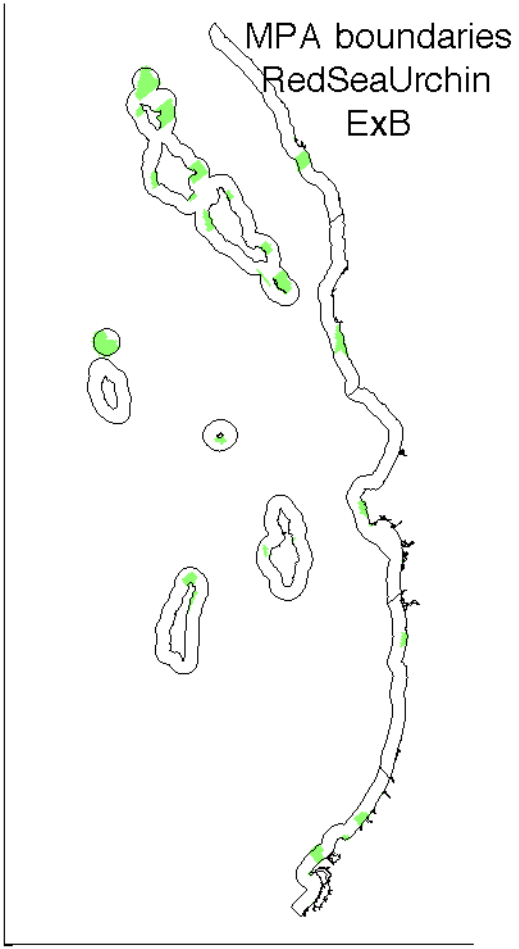


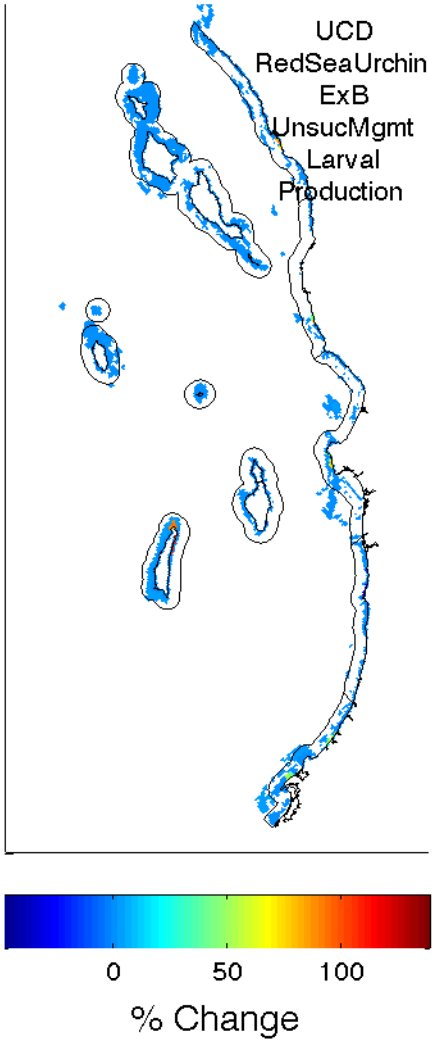
Relative to MSY maximum effort

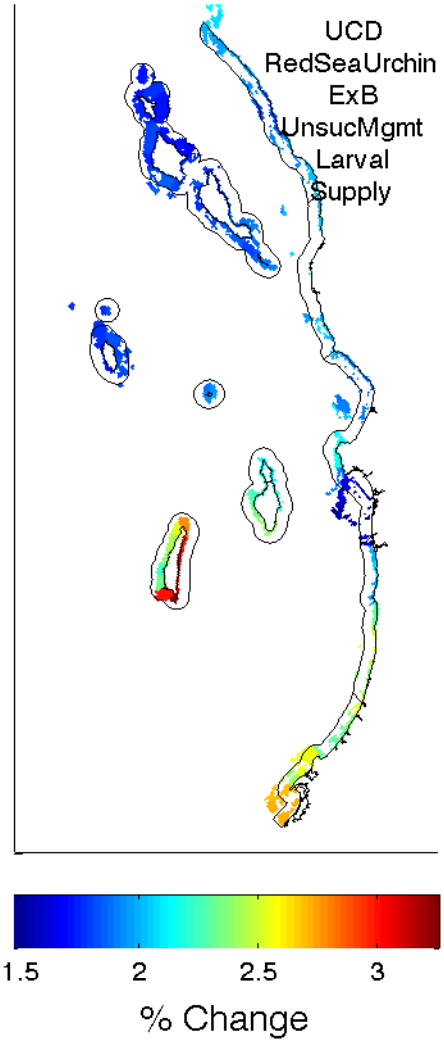

UCD
Opaleye
ExB
Unsuccessful Mgmt
Larval Recruitment
0.01
0.02
0.03
0.04
Proportion of Maximum

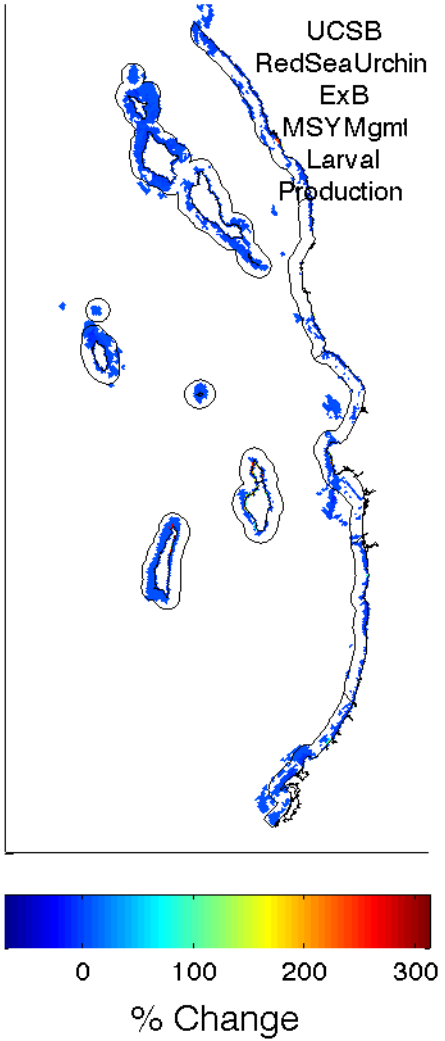

UCD
Opaleye
ExB
Unsuccessful Mgmt
Fishing yield
0
0.1
0.2
0.3
Relative to MSY

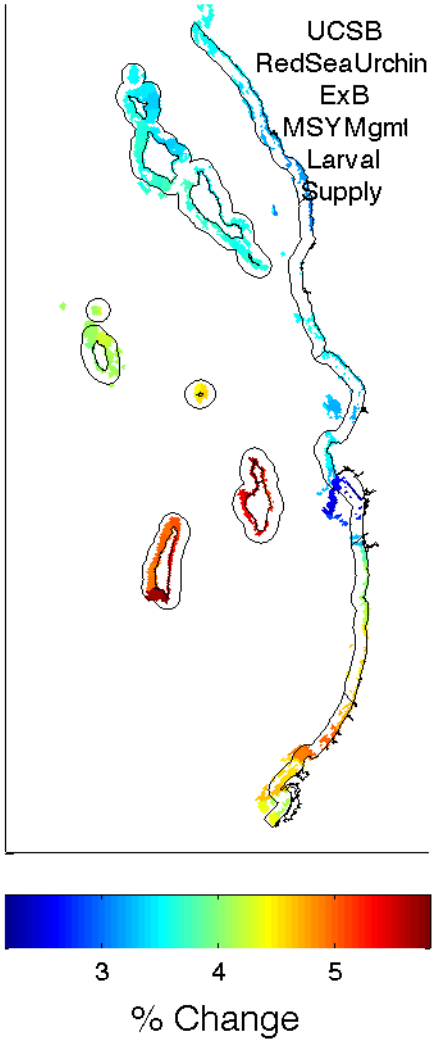

UCSB
Opaleye
ExB
Unsuccessful Mgmt
Fishing yield
0
0.1
0.2
0.3
Relative to MSY

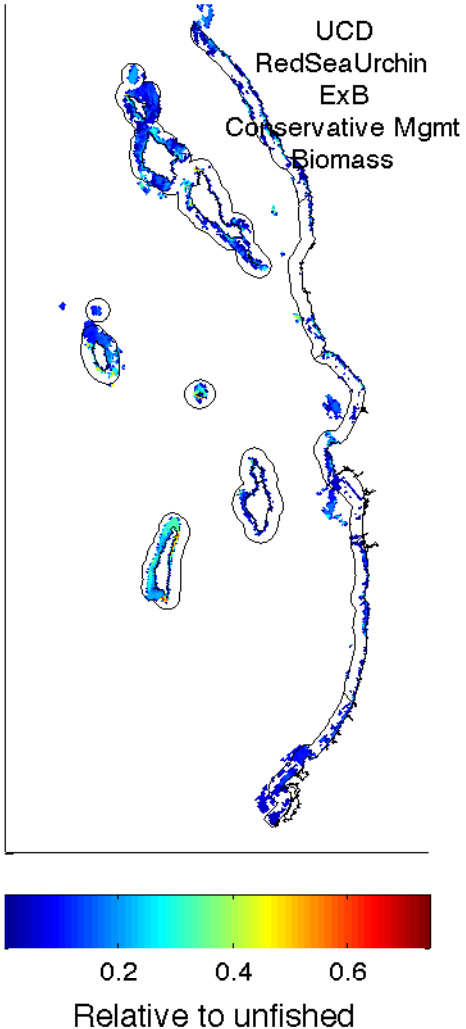

MPA boundaries
RedSeaUrchin
ExB

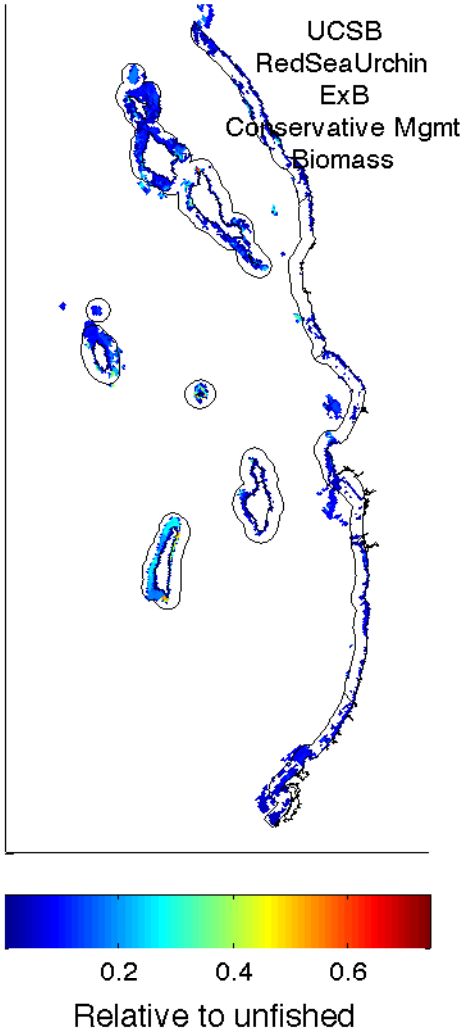

UCD
RedSeaUrchin
ExB
UnsucMgmt
Larval
Production
0
50
100
% Change

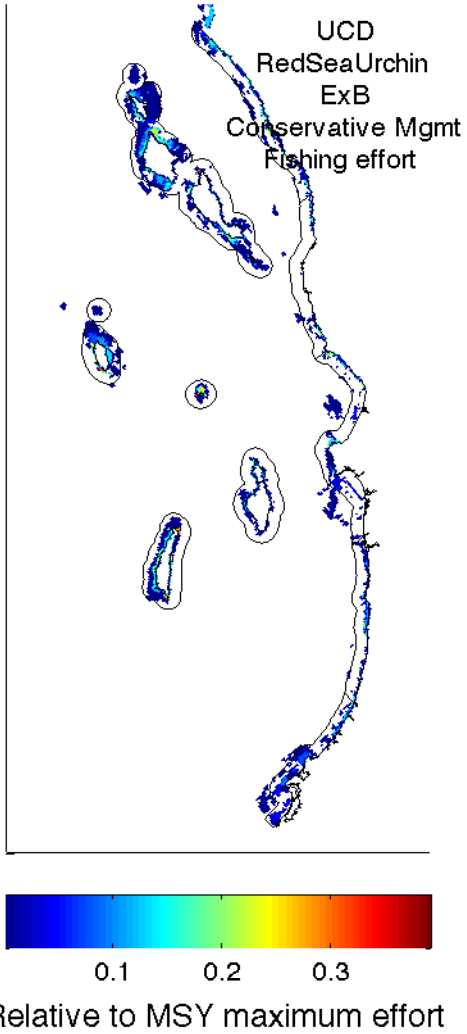

UCD
RedSeaUrchin
ExB
UnsucMgmt
Larval
Supply
1.5
2
2.5
3
% Change

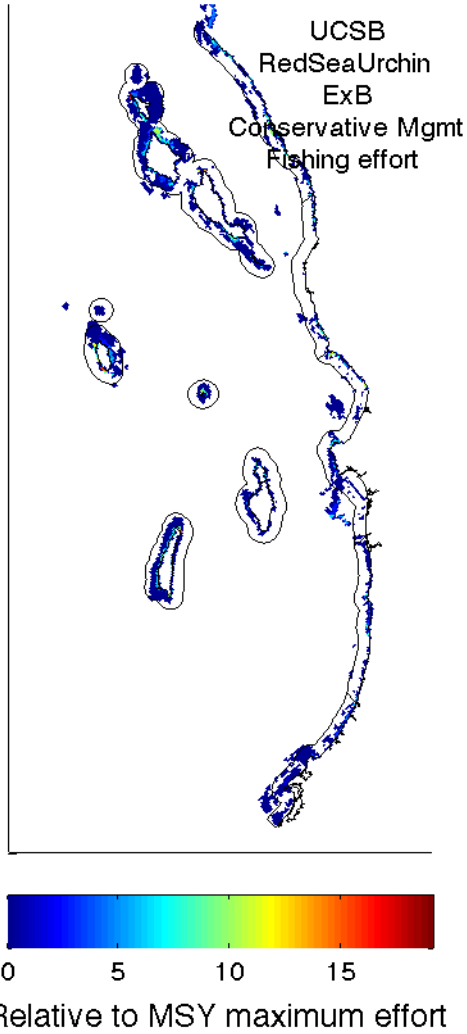

UCSB
RedSeaUrchin
ExB
MSYMgmt
Larval
Production
0
100
200
300
% Change

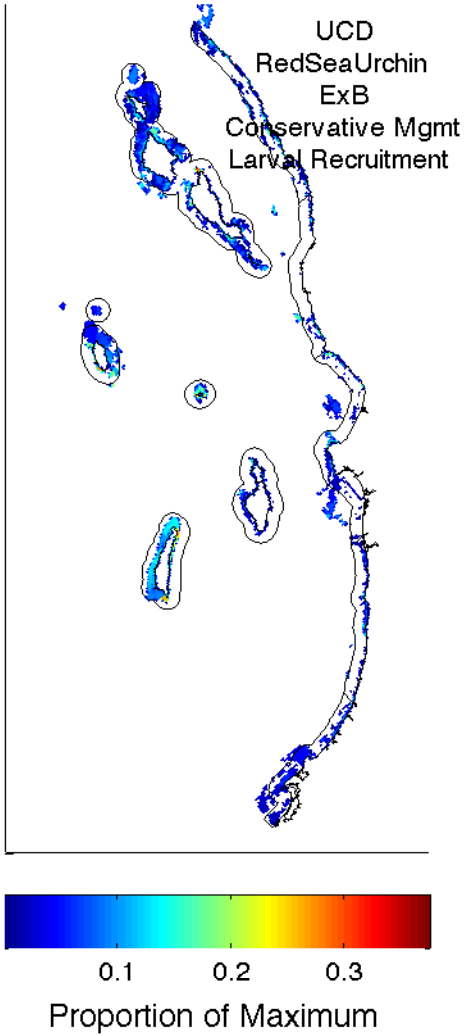

UCSB
RedSeaUrchin
ExB
MSYMgmt
Larval
Supply
3
4
5
% Change

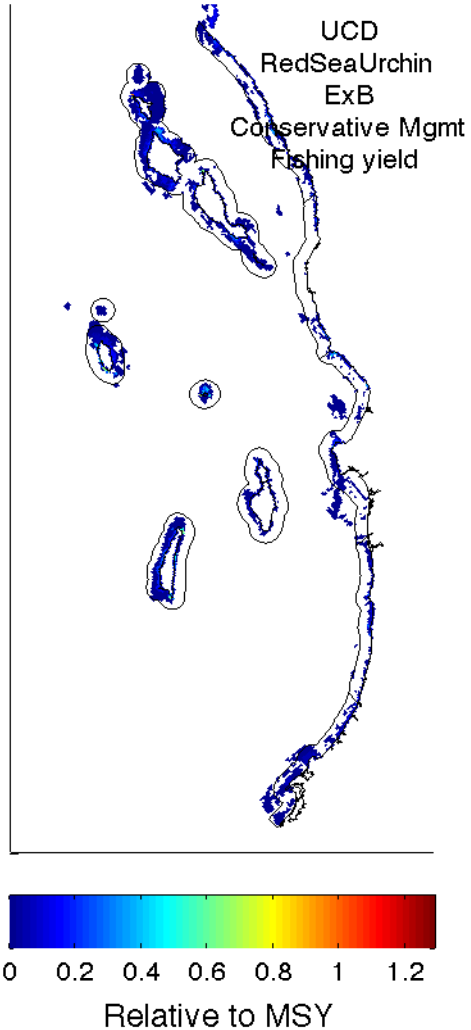

UCD
RedSeaUrchin
ExB
Conservative Mgmt
Biomass
0.2
0.4
0.6
Relative to unfished

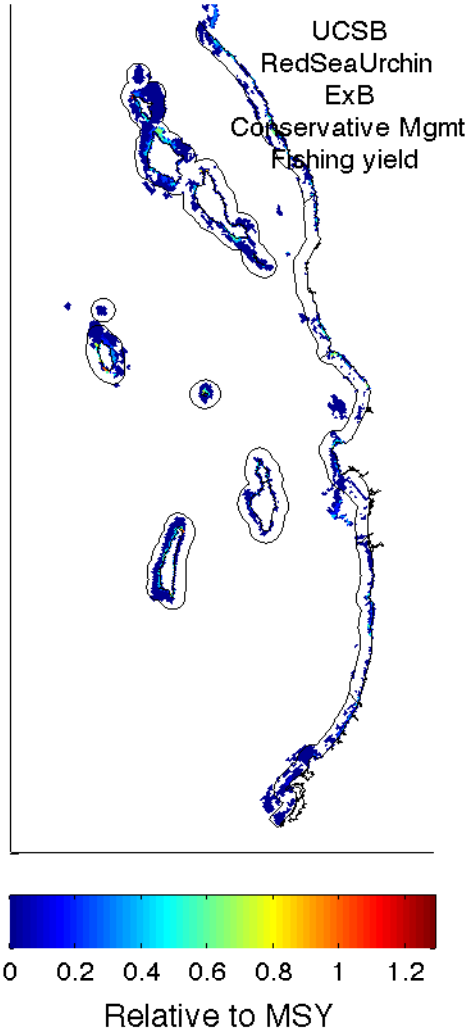

UCSB
RedSeaUrchin
ExB
Conservative Mgmt
Biomass
0.2
0.4
0.6
Relative to unfished

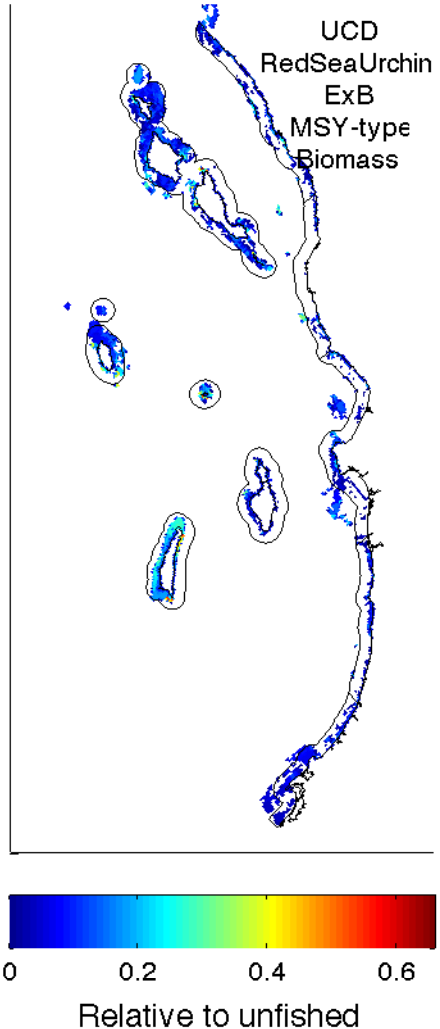

UCD
RedSeaUrchin
ExB
Conservative Mgmt
Fishing effort
0.1
0.2
0.3
Relative to MSY maximum effort

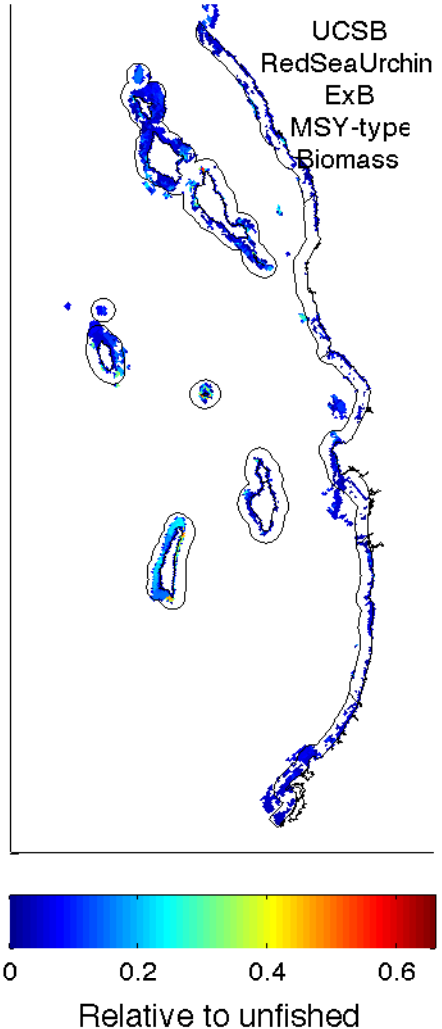

UCSB
RedSeaUrchin
ExB
Conservative Mgmt
Fishing effort
0
5
10
15
Relative to MSY maximum effort

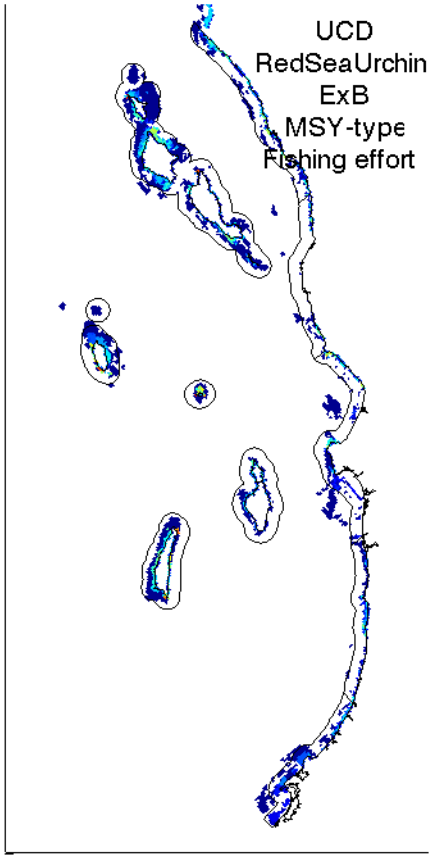

UCD
RedSeaUrchin
ExB
Conservative Mgmt
Larval Recruitment
0.1
0.2
0.3
Proportion of Maximum

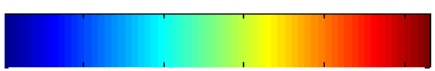

UCD
RedSeaUrchin
ExB
Conservative Mgmt
Fishing yield
0
0.2
0.4
0.6
0.8
1
1.2
Relative to MSY


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

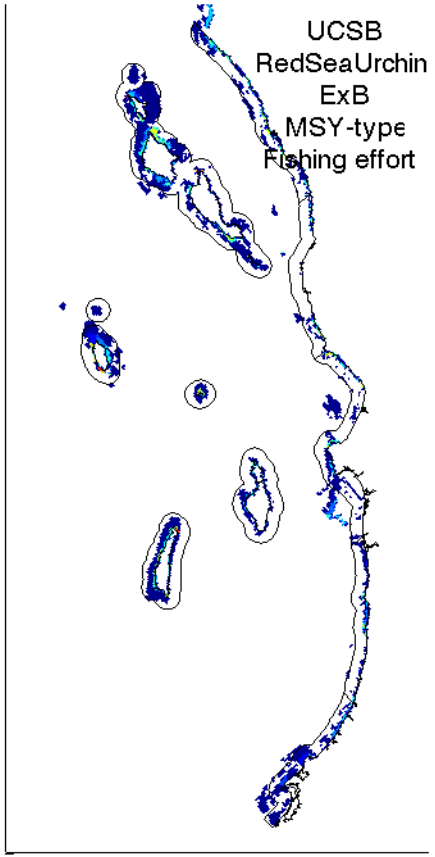

UCD
RedSeaUrchin
ExB
MSY-type
Biomass
0
0.2
0.4
0.6
Relative to unfished


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

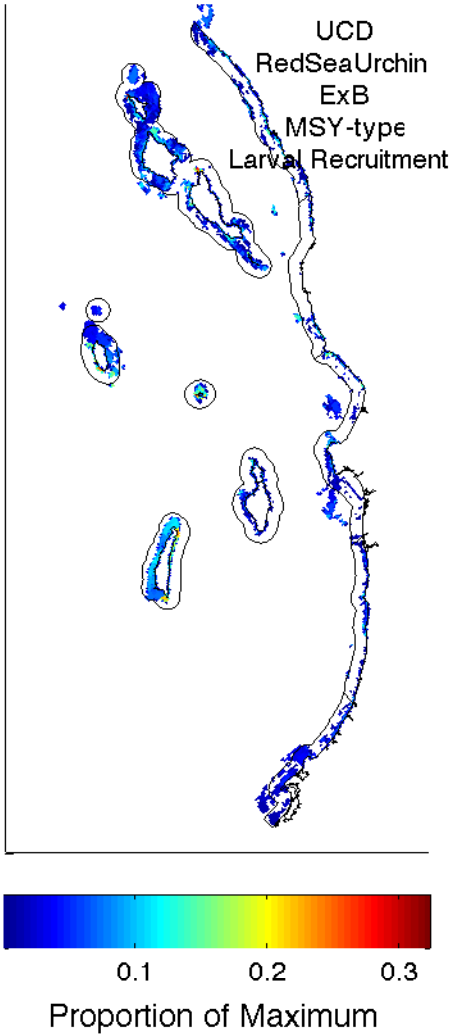


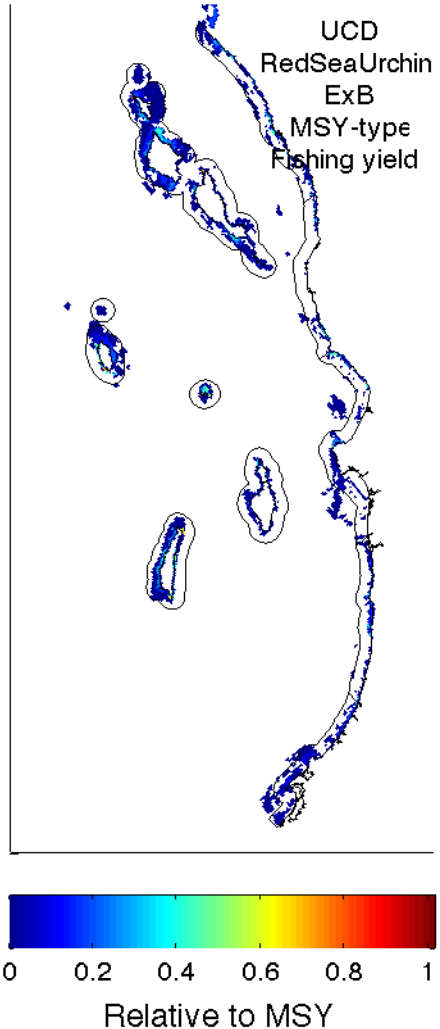


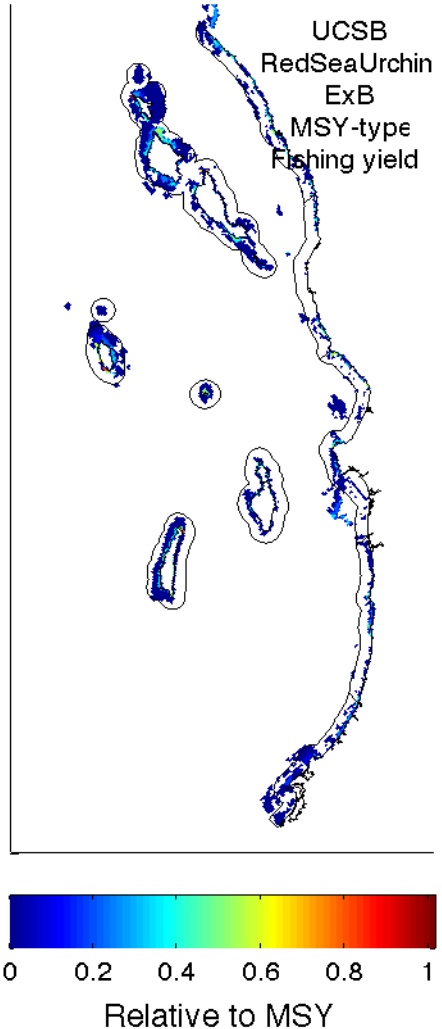
Relative to MSY maximum effort

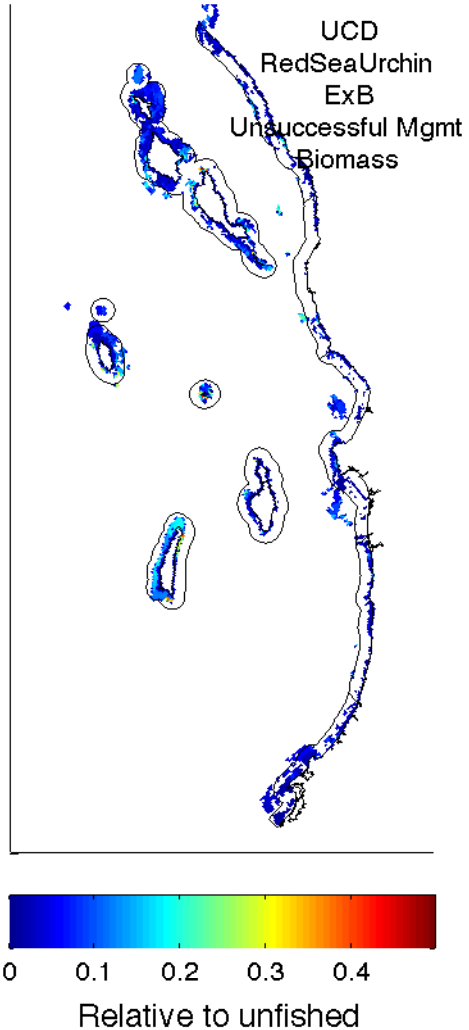


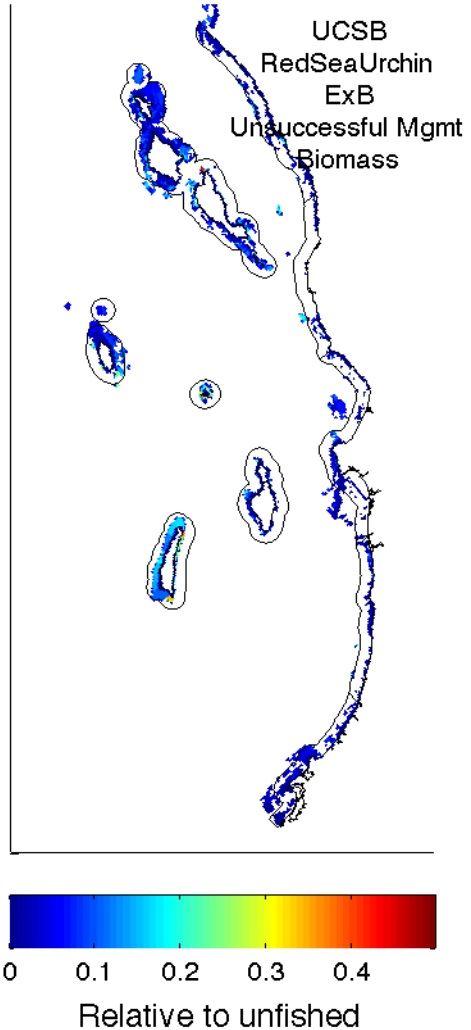
Relative to MSY maximum effort

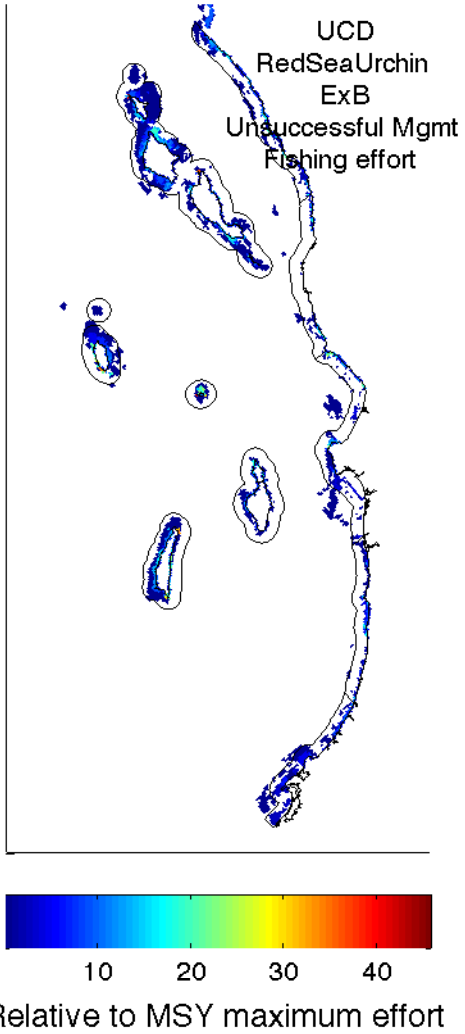

UCD
RedSeaUrchin
ExB
MSY-type
Larval Recruitment
0.1
0.2
0.3
Proportion of Maximum

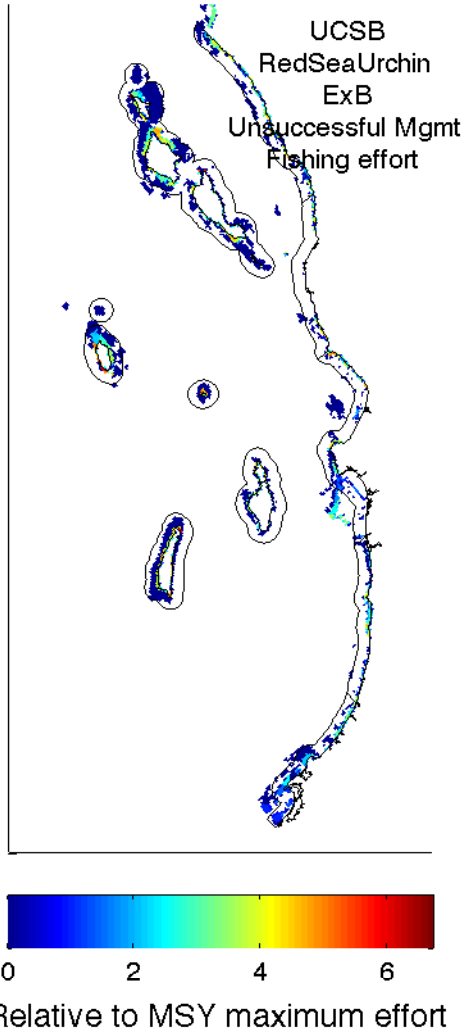

UCD
RedSeaUrchin
ExB
MSY-type
Fishing yield
0
0.2
0.4
0.6
0.8
1
Relative to MSY

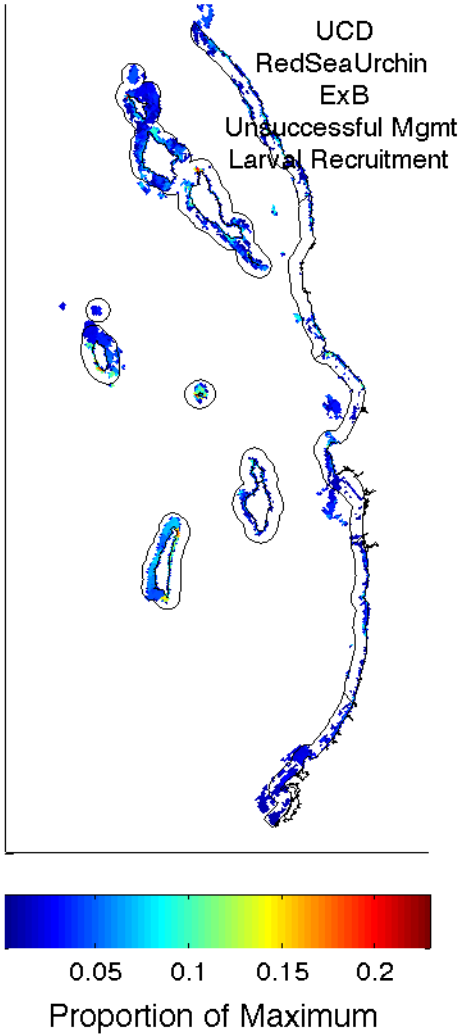

UCSB
RedSeaUrchin
ExB
MSY-type
Fishing yield
0
0.2
0.4
0.6
0.8
1
Relative to MSY

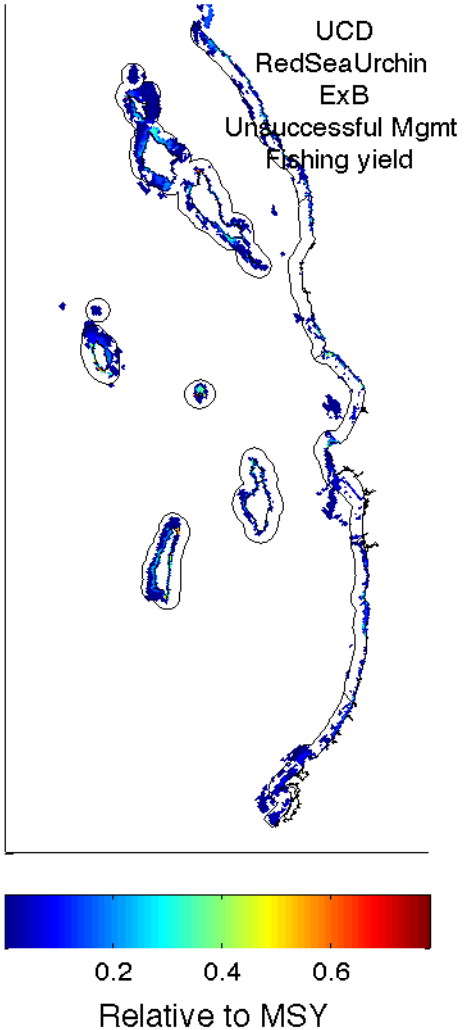

UCD
RedSeaUrchin
ExB
Unsuccessful Mgmt
Biomass
0
0.1
0.2
0.3
0.4
Relative to unfished

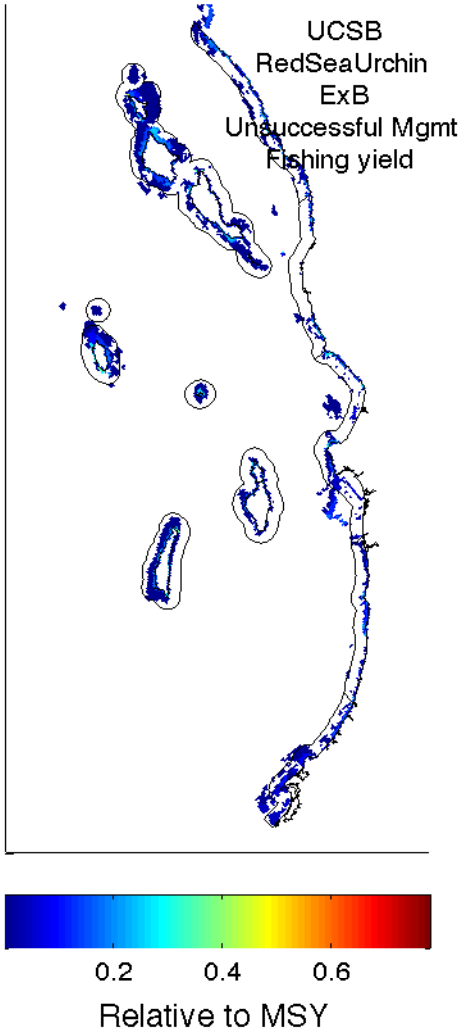

UCSB
RedSeaUrchin
ExB
Unsuccessful Mgmt
Biomass
0
0.1
0.2
0.3
0.4
Relative to unfished

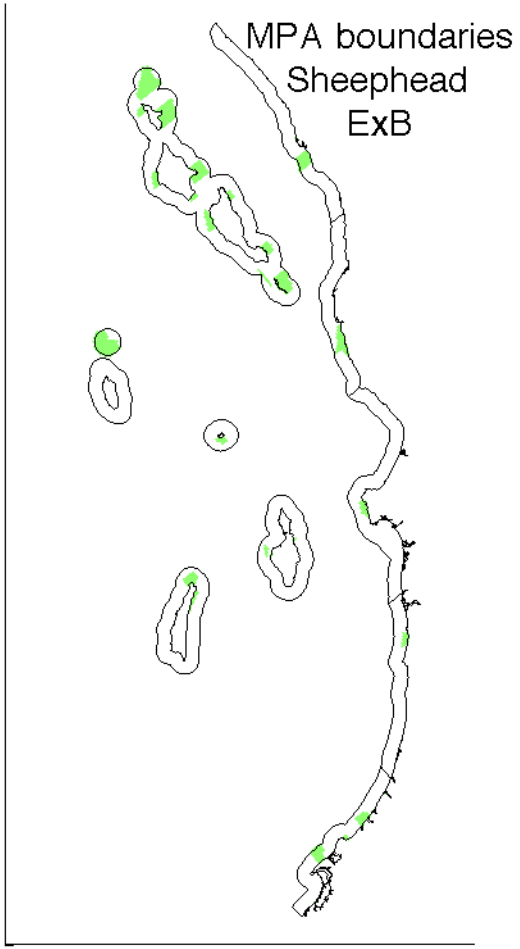

UCD
RedSeaUrchin
ExB
Unsuccessful Mgmt
Fishing effort
10
20
30
40
Relative to MSY maximum effort

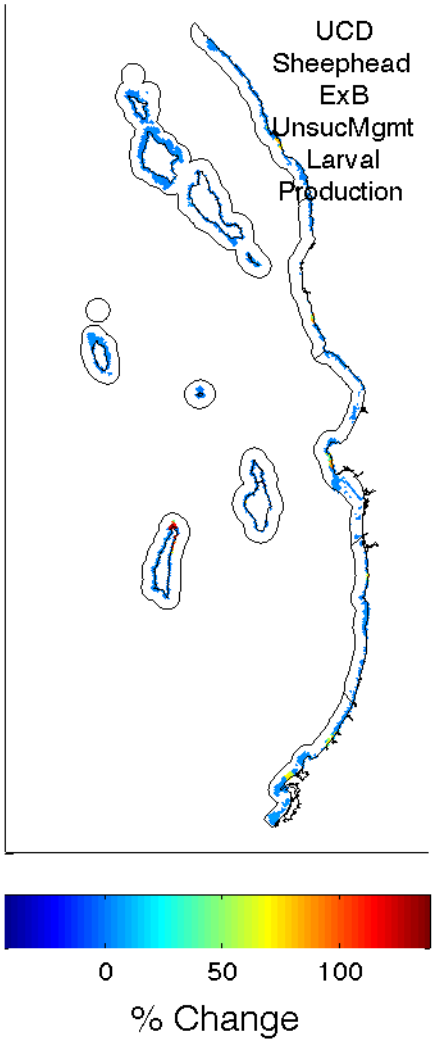

UCSB
RedSeaUrchin
ExB
Unsuccessful Mgmt
Fishing effort
0
2
4
6
Relative to MSY maximum effort

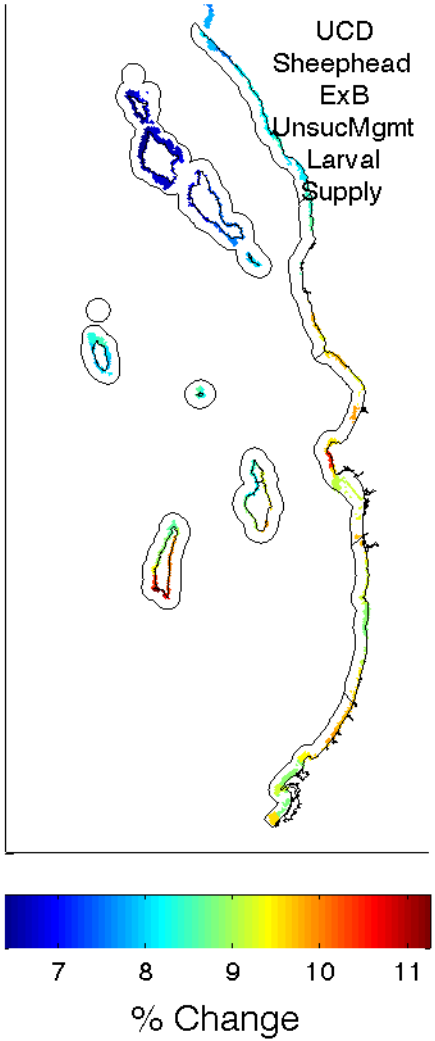

UCD
RedSeaUrchin
ExB
Unsuccessful Mgmt
Larval Recruitment
0.05
0.1
0.15
0.2
Proportion of Maximum

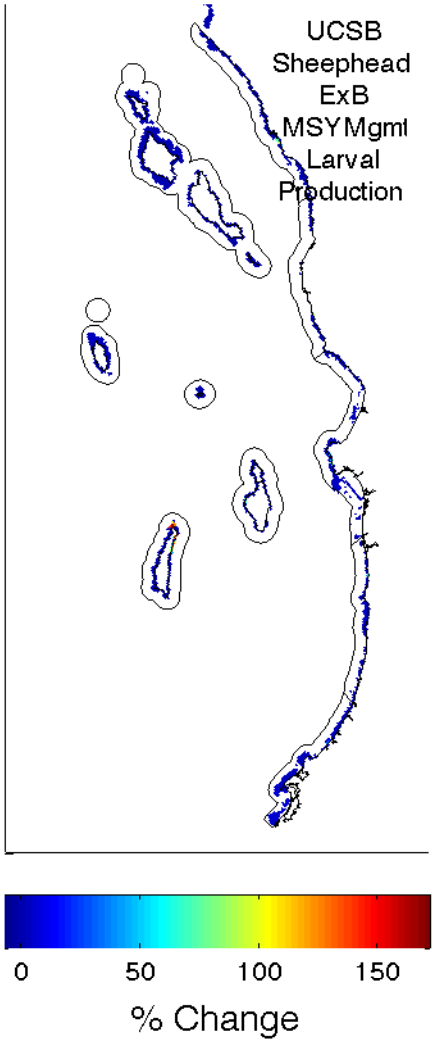

UCD
RedSeaUrchin
ExB
Unsuccessful Mgmt
Fishing yield
0.2
0.4
0.6
Relative to MSY

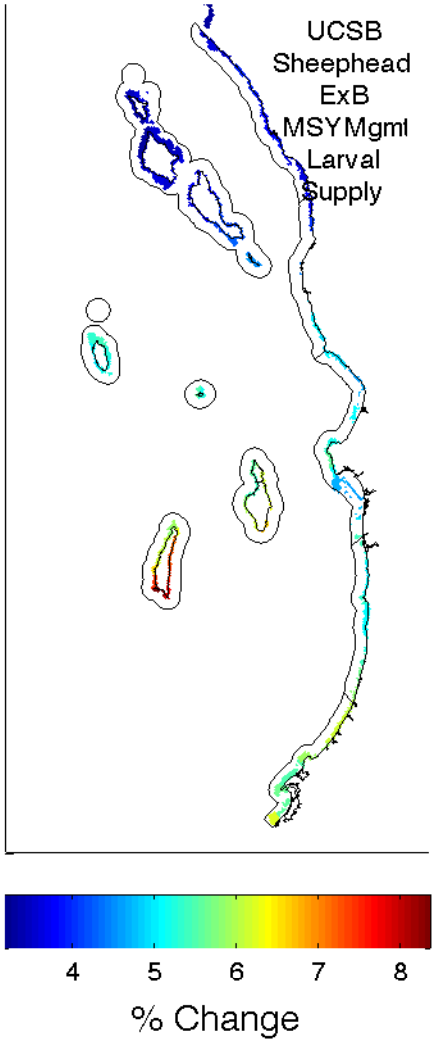

UCSB
RedSeaUrchin
ExB
Unsuccessful Mgmt
Fishing yield
0.2
0.4
0.6
Relative to MSY

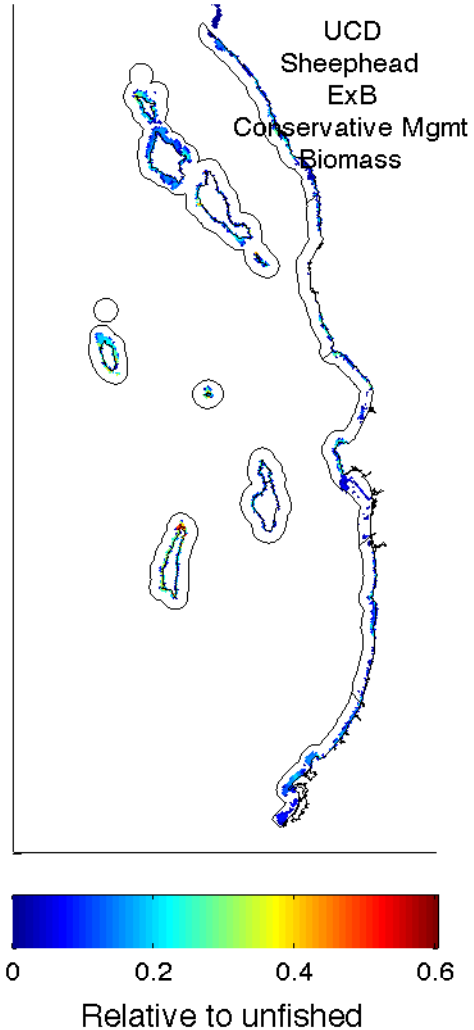

MPA boundaries
Sheephead
ExB

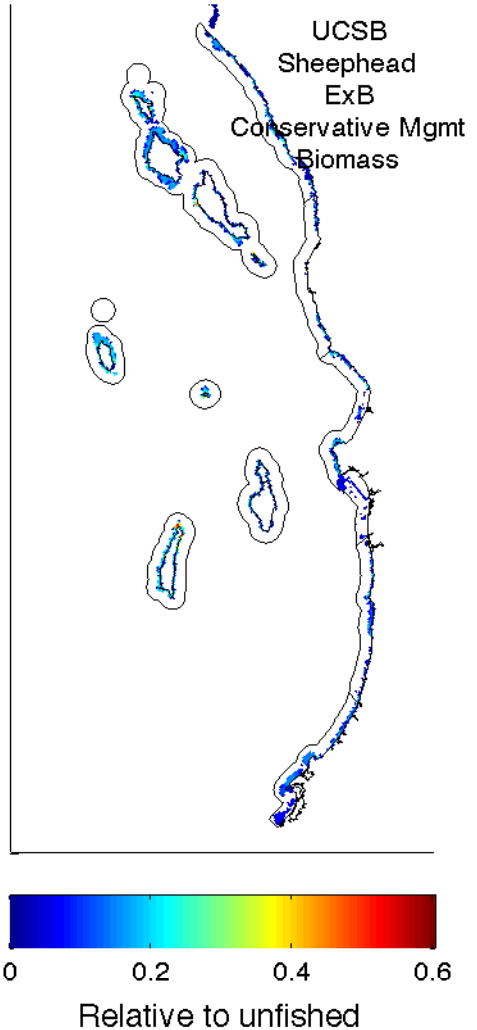

UCD
Sheephead
ExB
UnsucMgmt
Larval
Production
0
50
100
% Change

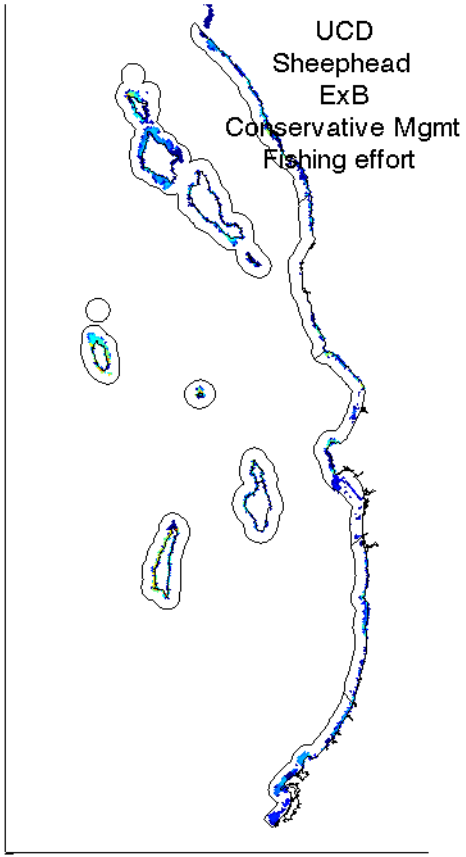

UCD
Sheephead
ExB
UnsucMgmt
Larval
Supply
7
8
9
10
11
% Change

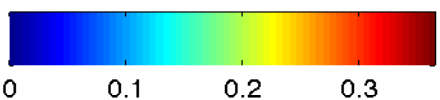

UCSB
Sheephead
ExB
MSYMgmt
Larval
Production
0
50
100
150
% Change


UCSB
Sheephead
ExB
MSYMgmt
Larval
Supply
4
5
6
7
8
% Change

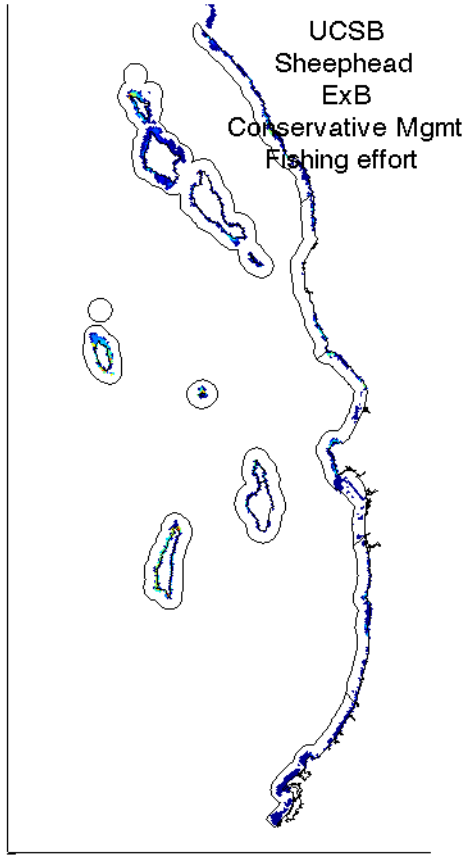

UCD
Sheephead
ExB
Conservative Mgmt
Biomass
0
0.2
0.4
0.6
Relative to unfished

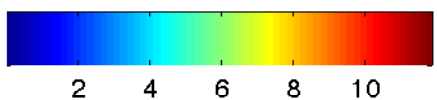

UCSB
Sheephead
ExB
Conservative Mgmt
Biomass
0
0.2
0.4
0.6
Relative to unfished



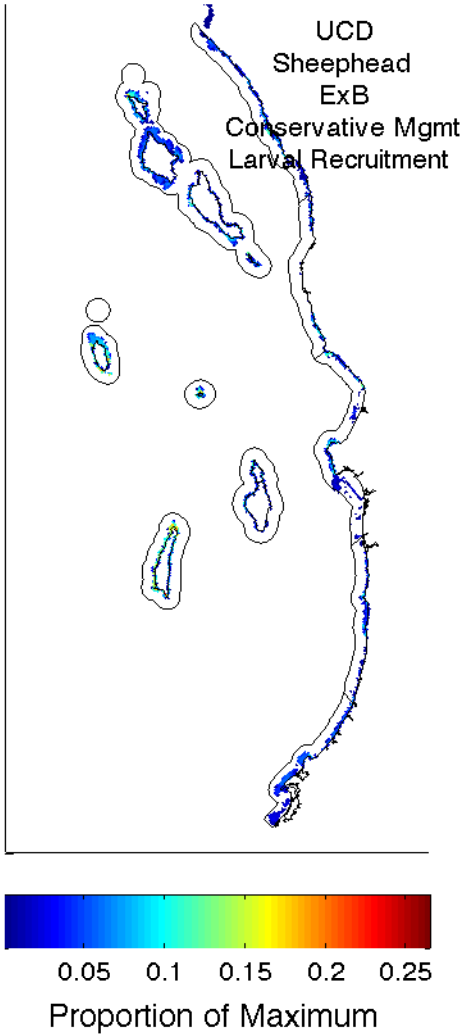


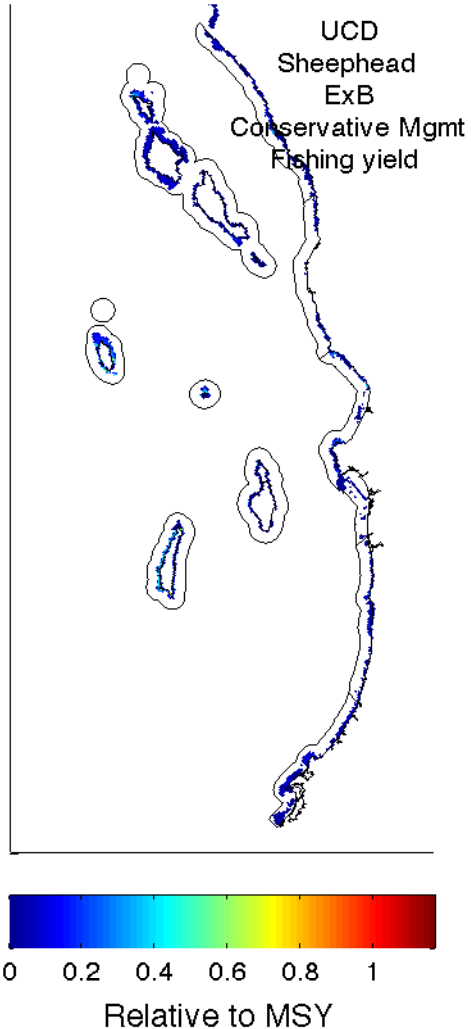
Relative to MSY maximum effort

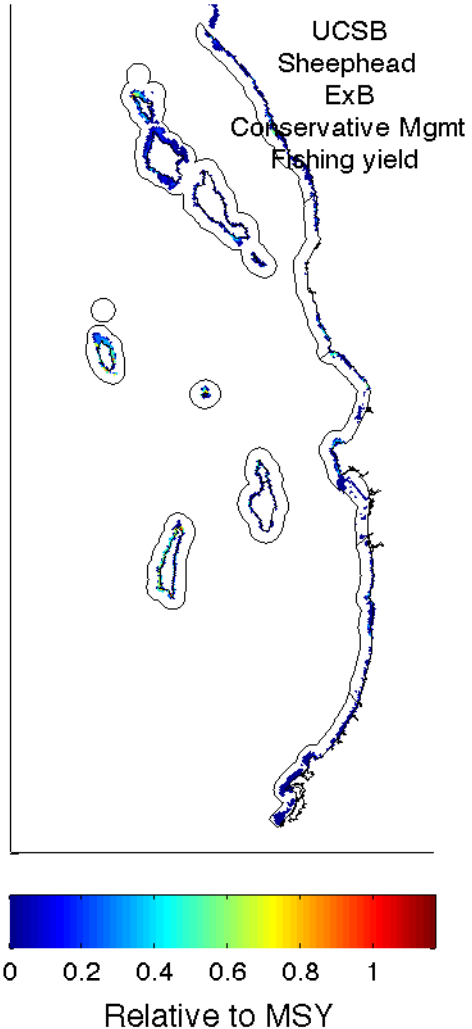


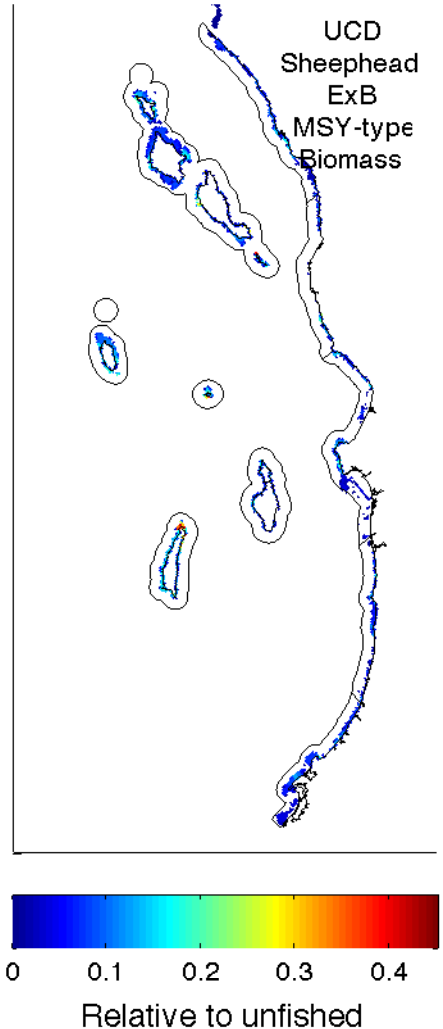


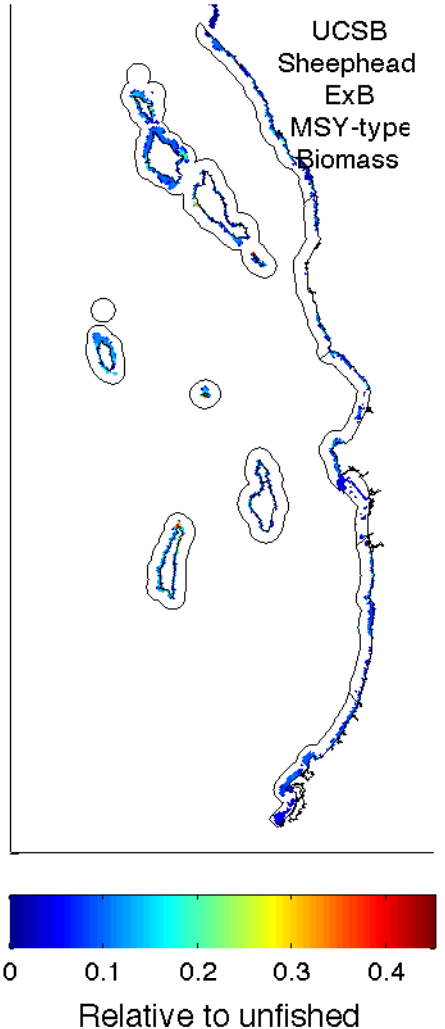
Relative to MSY maximum effort

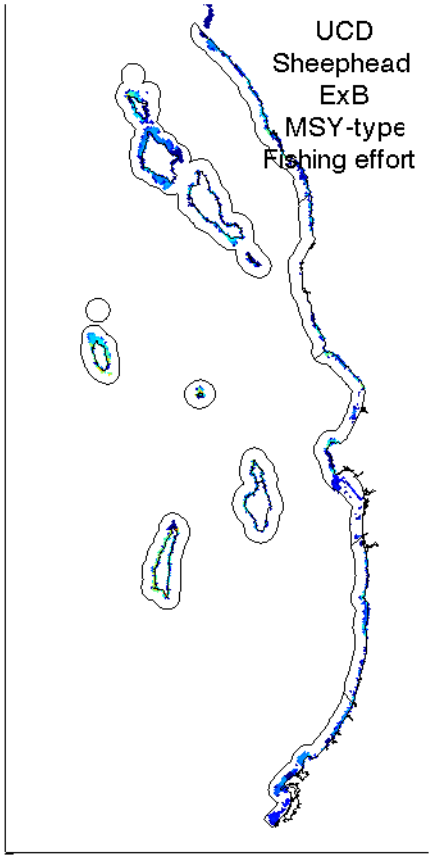

UCD
Sheephead
ExB
Conservative Mgmt
Larval Recruitment
0.05
0.1
0.15
0.2
0.25
Proportion of Maximum

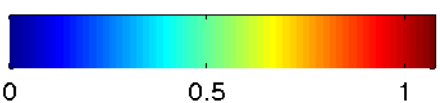

UCD
Sheephead
ExB
Conservative Mgmt
Fishing yield
0
0.2
0.4
0.6
0.8
1
Relative to MSY


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

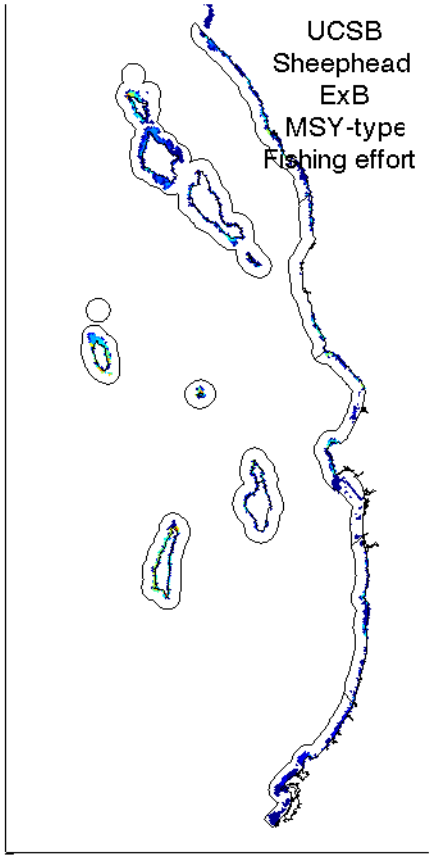

UCD
Sheephead
ExB
MSY-type
Biomass
0
0.1
0.2
0.3
0.4
Relative to unfished

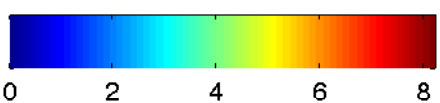

UCSB
Sheephead
ExB
MSY-type
Biomass
0
0.1
0.2
0.3
0.4
Relative to unfished



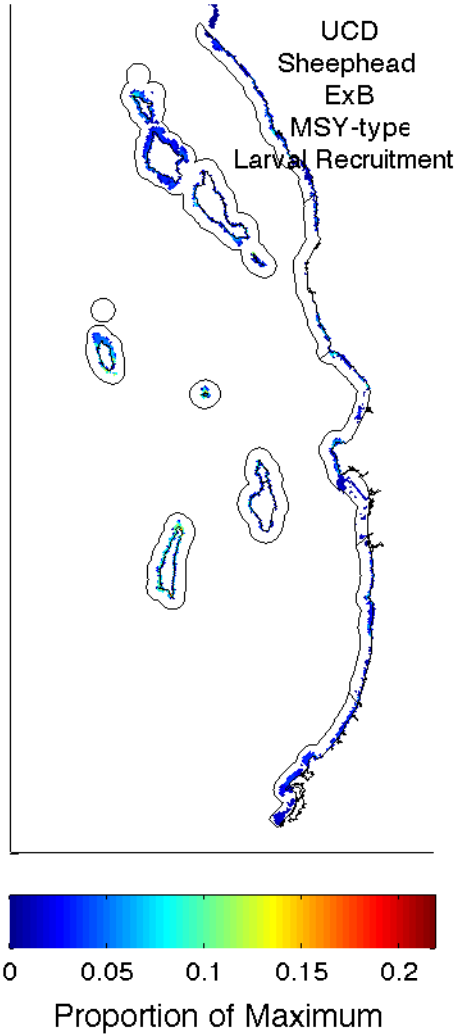


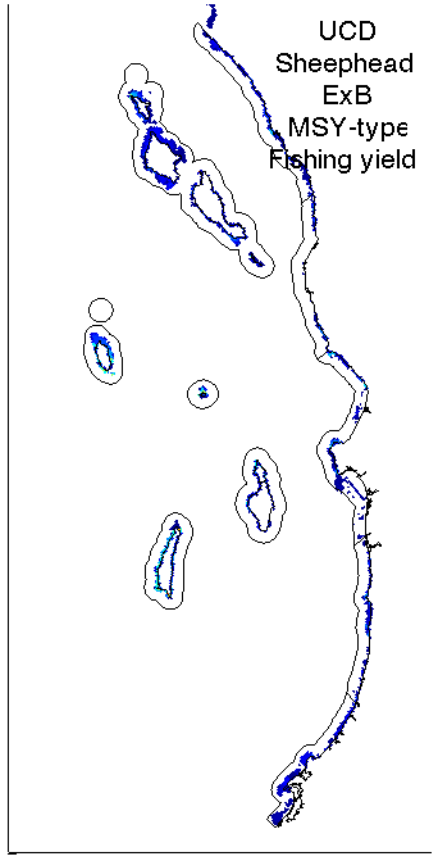
Relative to MSY maximum effort

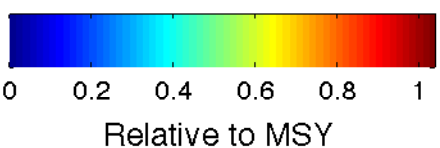


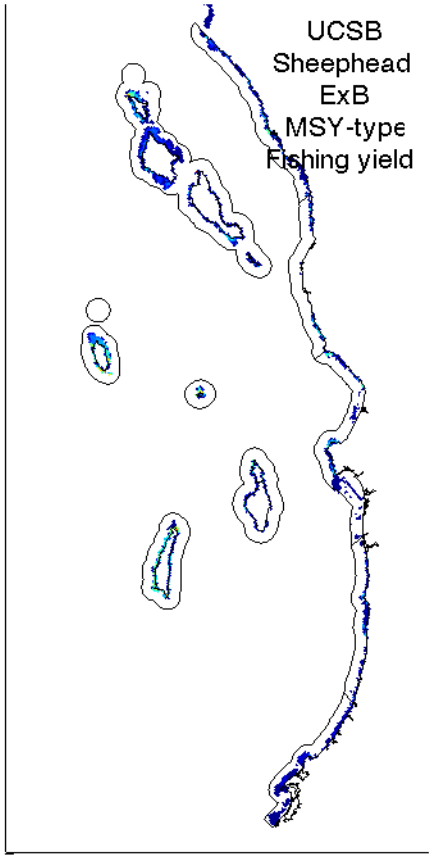


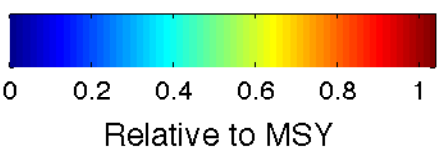
Relative to MSY maximum effort

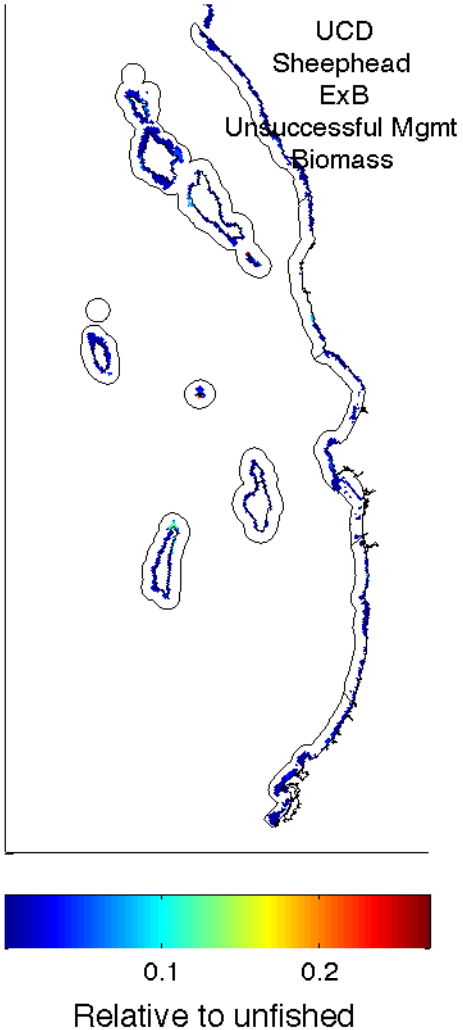

UCD
Sheephead
ExB
MSY-type
Larval Recruitment
0
0.05
0.1
0.15
0.2
Proportion of Maximum

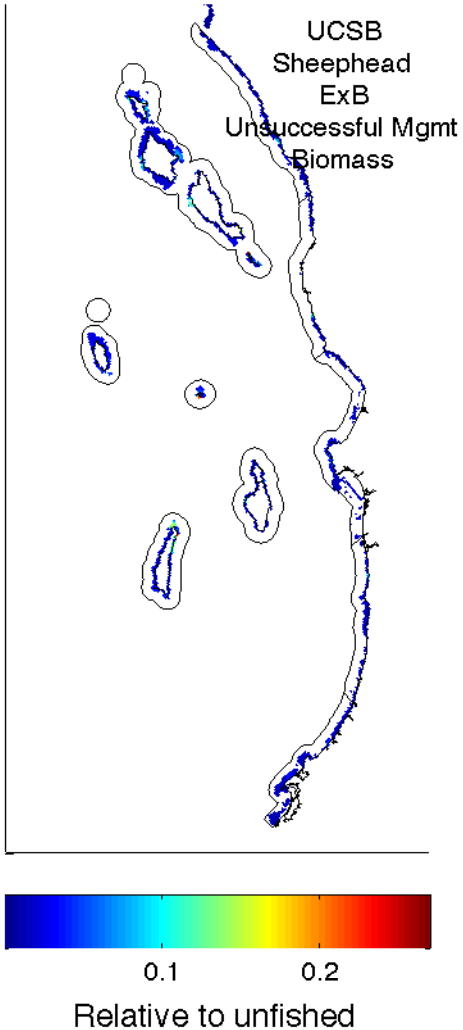

UCD
Sheephead
ExB
MSY-type
Fishing yield

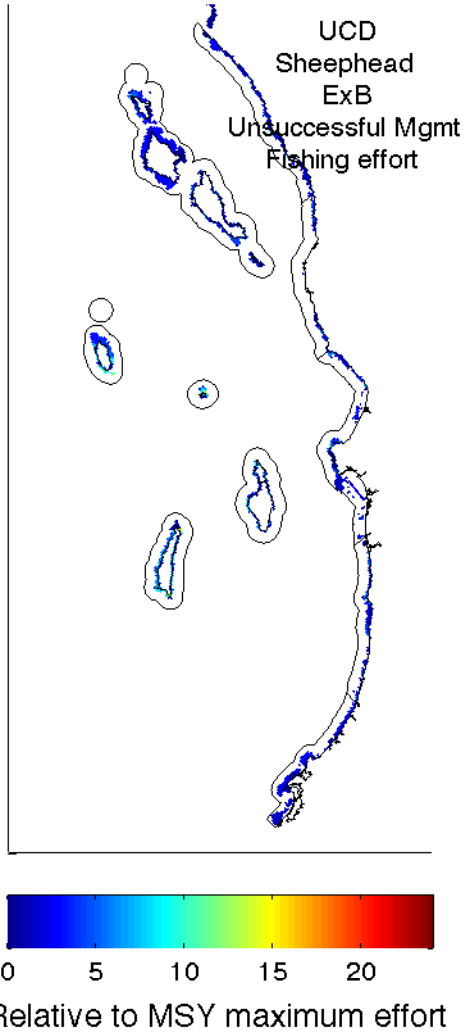

0
0.2
0.4
0.6
0.8
1
Relative to MSY

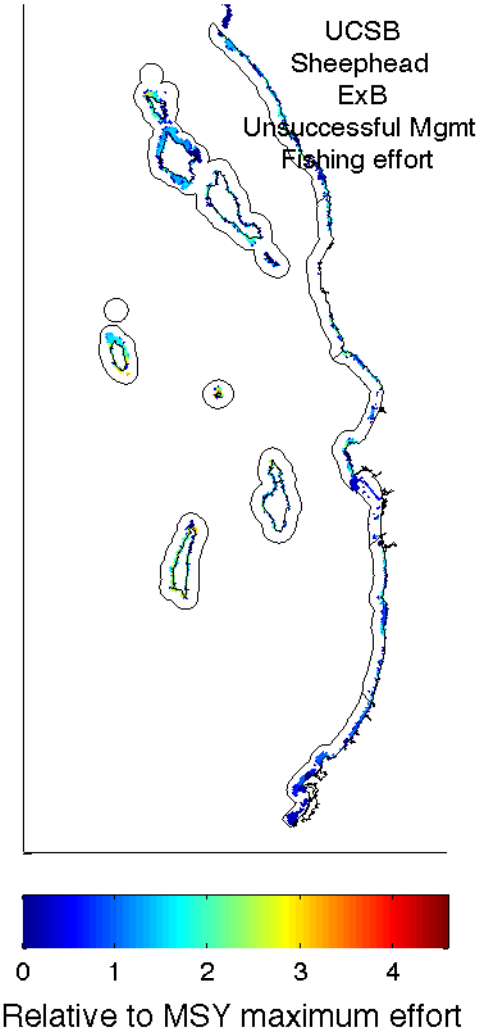

UCSB
Sheephead
ExB
MSY-type
Fishing yield

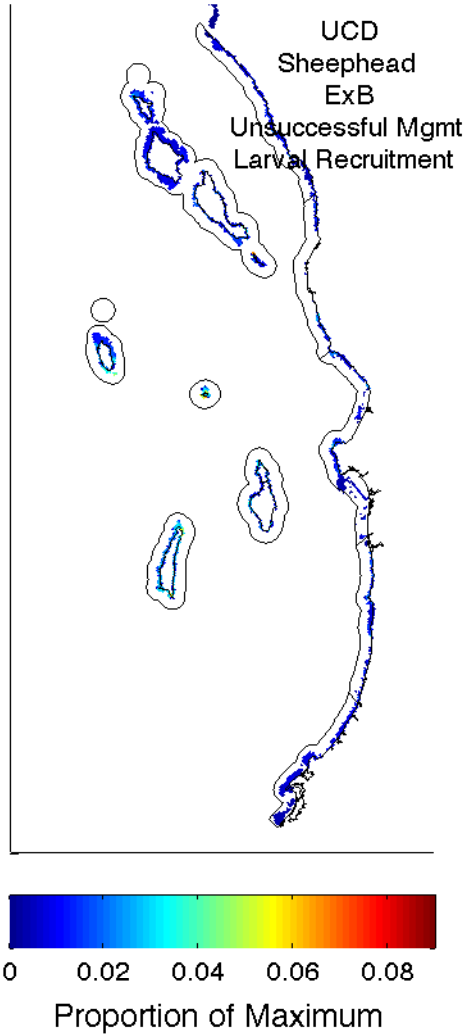

0
0.2
0.4
0.6
0.8
1
Relative to MSY

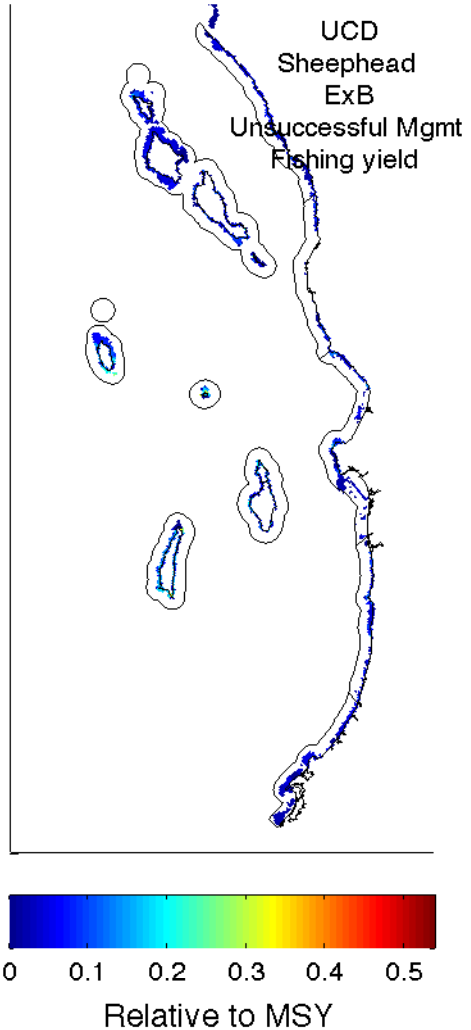

UCD
Sheephead
ExB
Unsuccessful Mgmt
Biomass
0.1
0.2
Relative to unfished

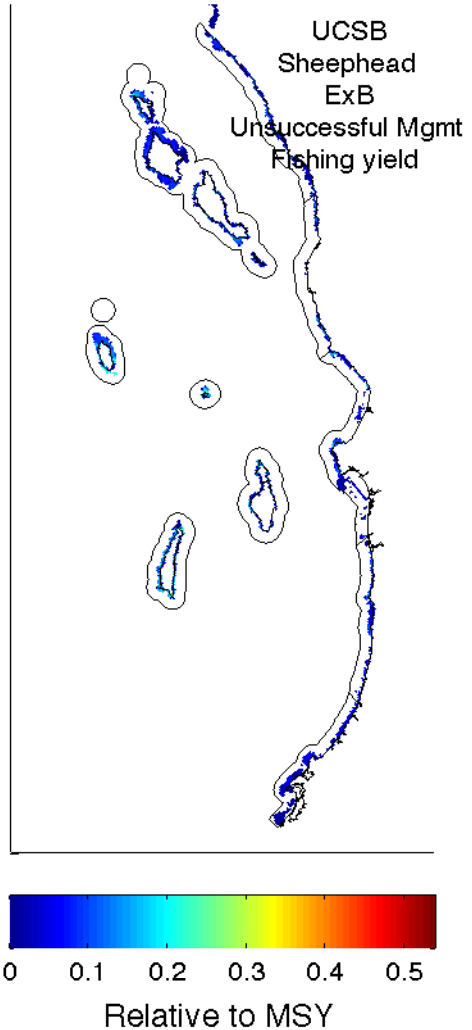

UCSB
Sheephead
ExB
Unsuccessful Mgmt
Biomass
0.1
0.2
Relative to unfished


UCD
Sheephead
ExB
Unsuccessful Mgmt
Fishing effort
0
5
10
15
20
Relative to MSY maximum effort


UCSB
Sheephead
ExB
Unsuccessful Mgmt
Fishing effort
0
1
2
3
4
Relative to MSY maximum effort


UCD
Sheephead
ExB
Unsuccessful Mgmt
Larval Recruitment
0
0.02
0.04
0.06
0.08
Proportion of Maximum


UCD
Sheephead
ExB
Unsuccessful Mgmt
Fishing yield
0
0.1
0.2
0.3
0.4
0.5
Relative to MSY


UCSB
Sheephead
ExB
Unsuccessful Mgmt
Fishing yield
0
0.1
0.2
0.3
0.4
0.5
Relative to MSY