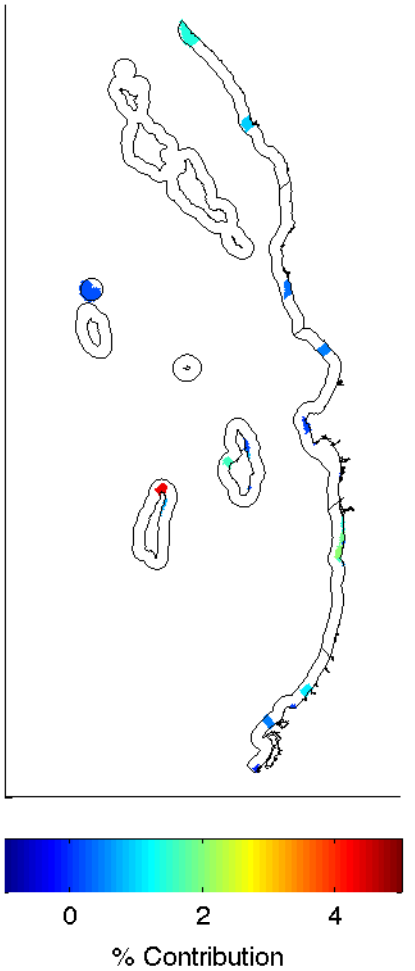
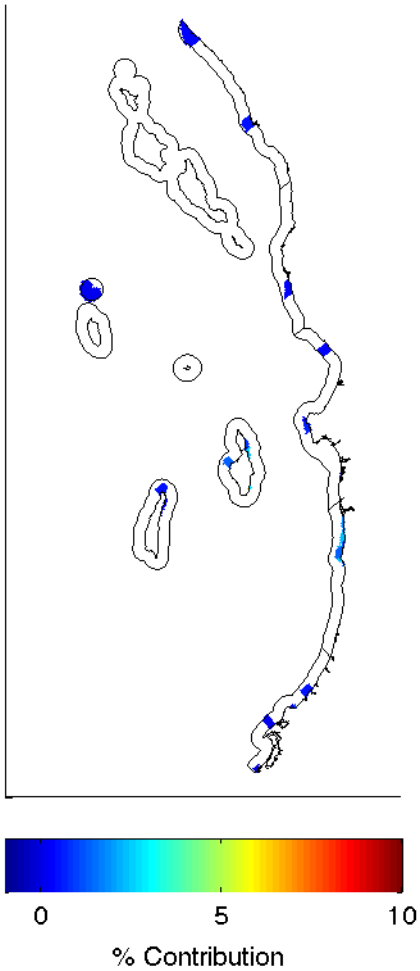
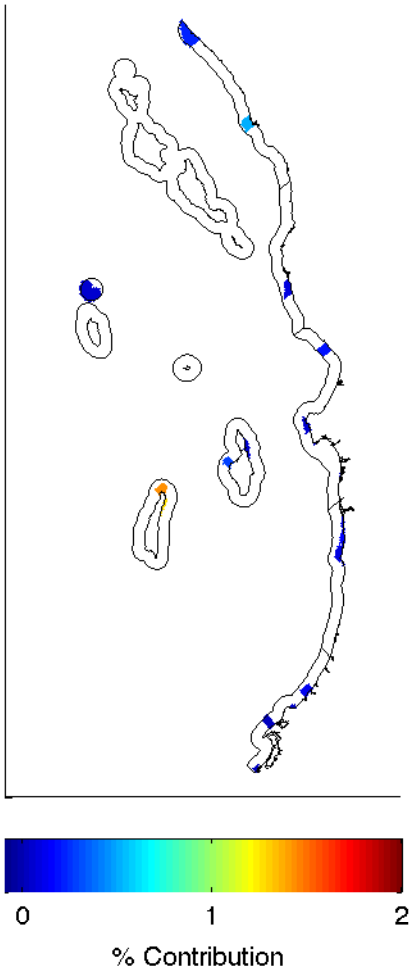
UCD Model
Lap2
Unsuc Mgmt
Knockout Index



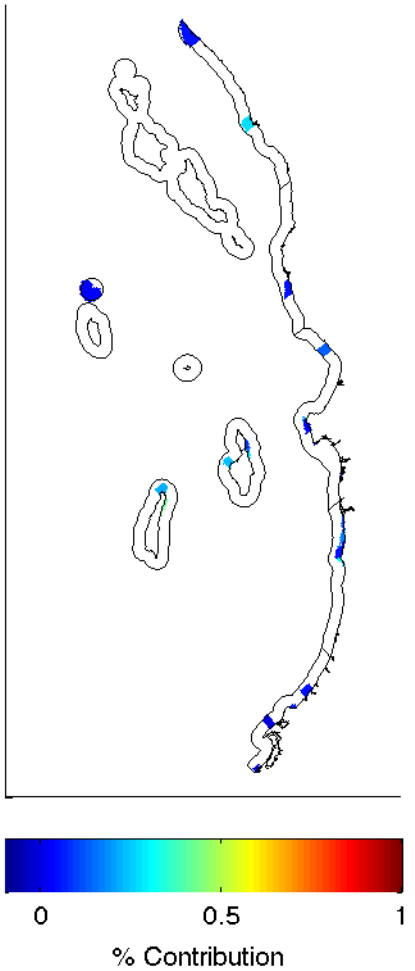
UCD Model
Lap2
Unsuc Mgmt
Knockout Index, Scaled by Habitat

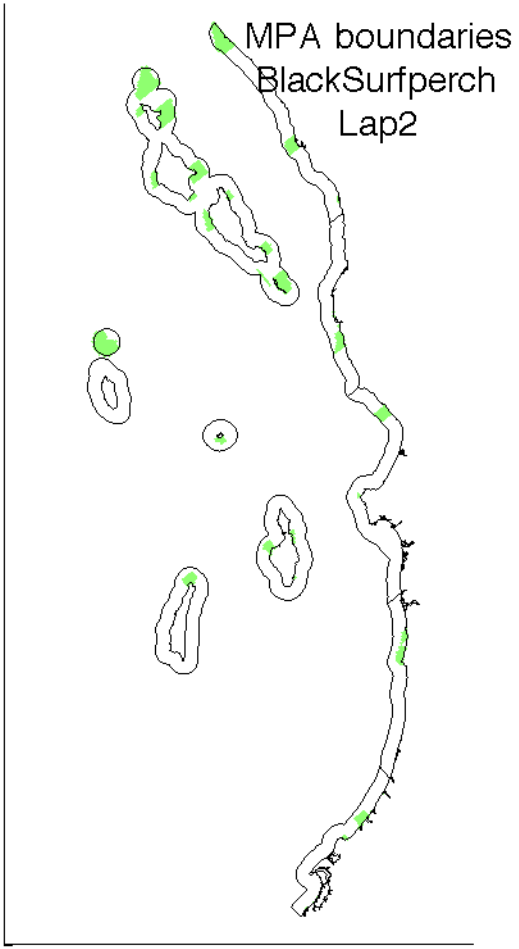


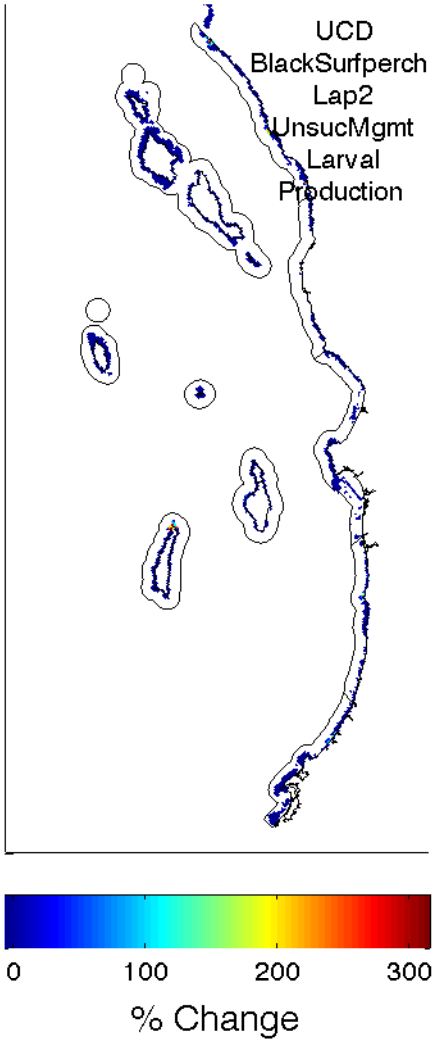
UCSB Model
Lap2
MSY Mgmt
Knockout Index

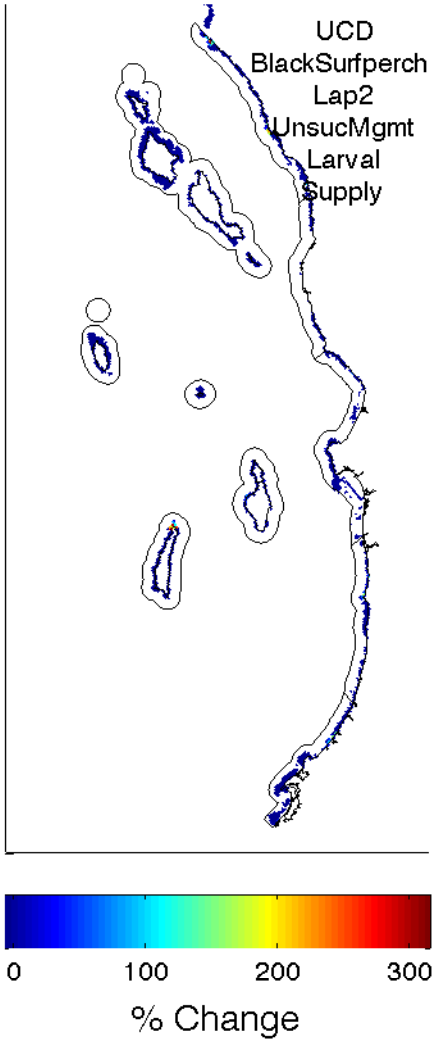


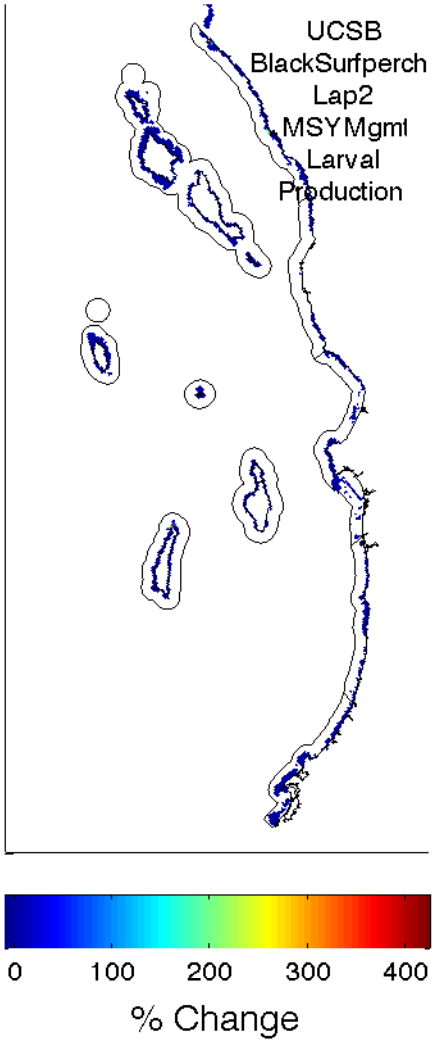
UCSB Model
Lap2
MSY Mgmt
Knockout Index, Scaled by Habitat

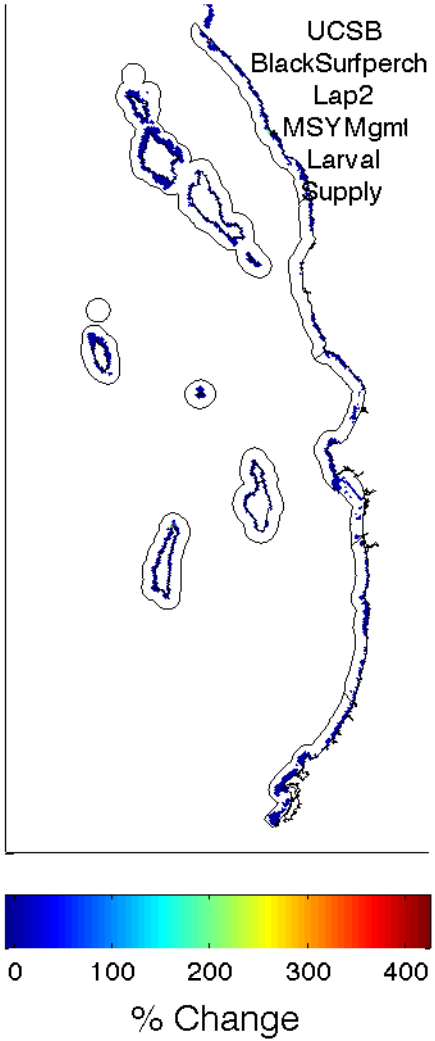


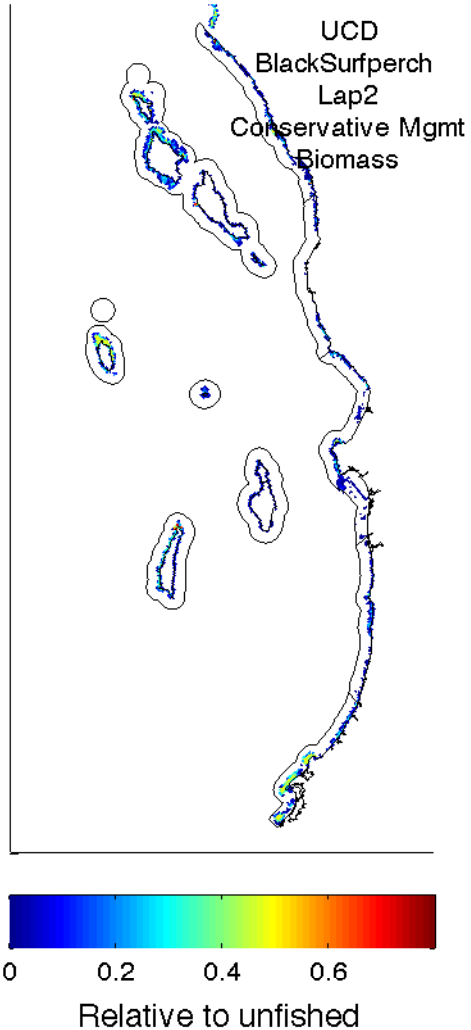

MPA boundaries
BlackSurfperch
Lap2

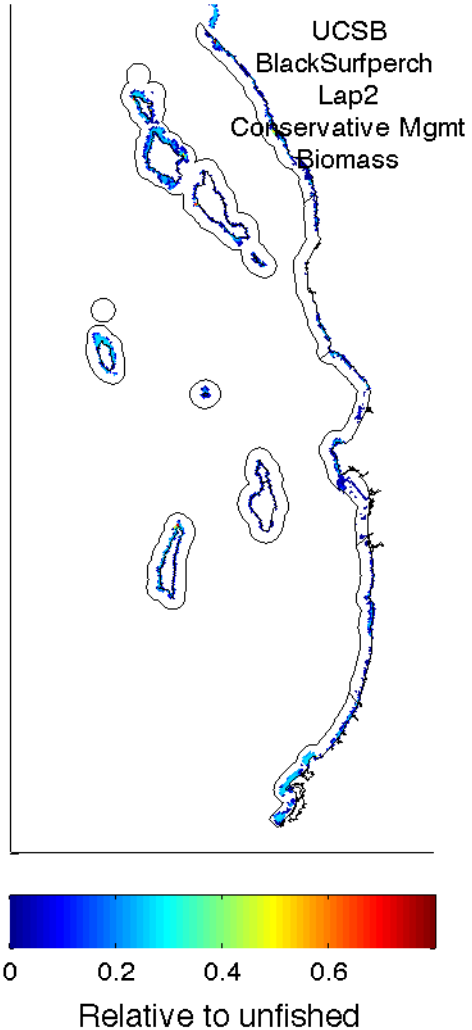

UCD
BlackSurfperch
Lap2
UnsucMgmt
Larval
Production
0
100
200
300
% Change

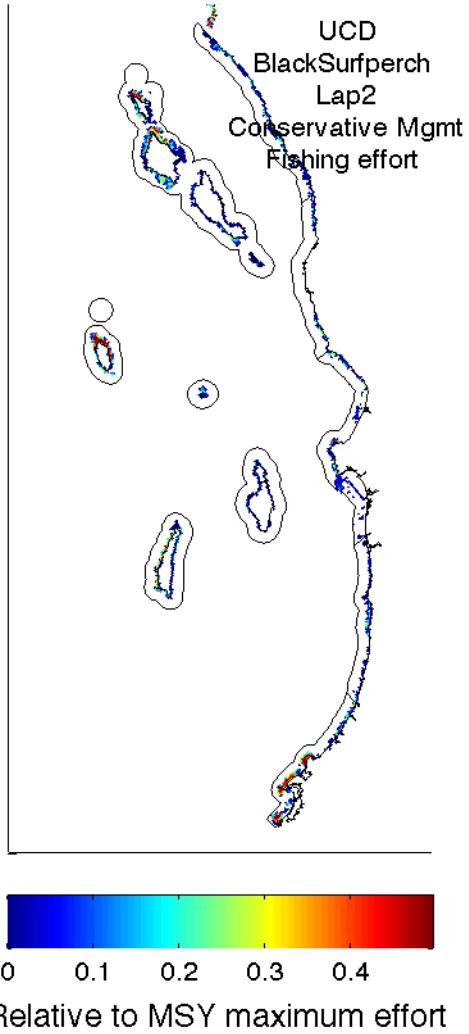

UCD
BlackSurfperch
Lap2
UnsucMgmt
Larval
Supply
0
100
200
300
% Change

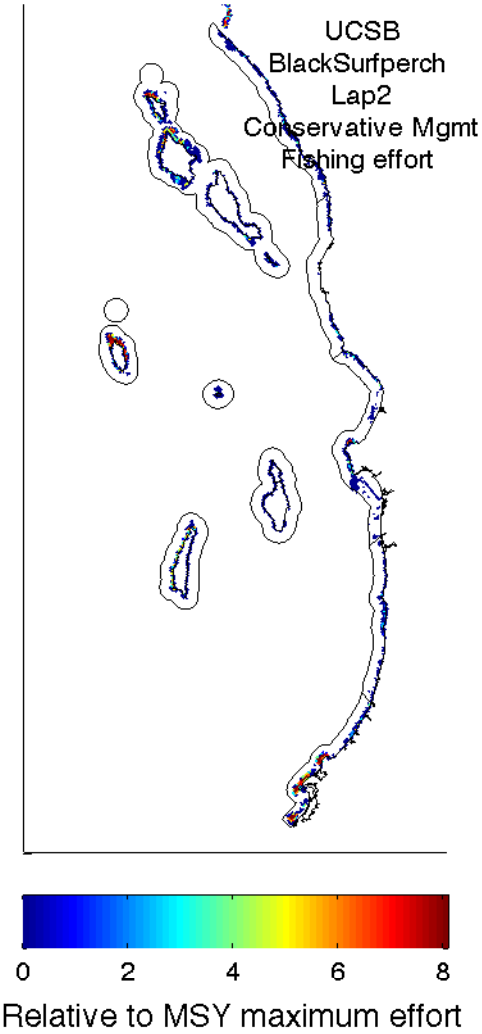

UCSB
BlackSurfperch
Lap2
MSYMgmt
Larval
Production
0
100
200
300
400
% Change

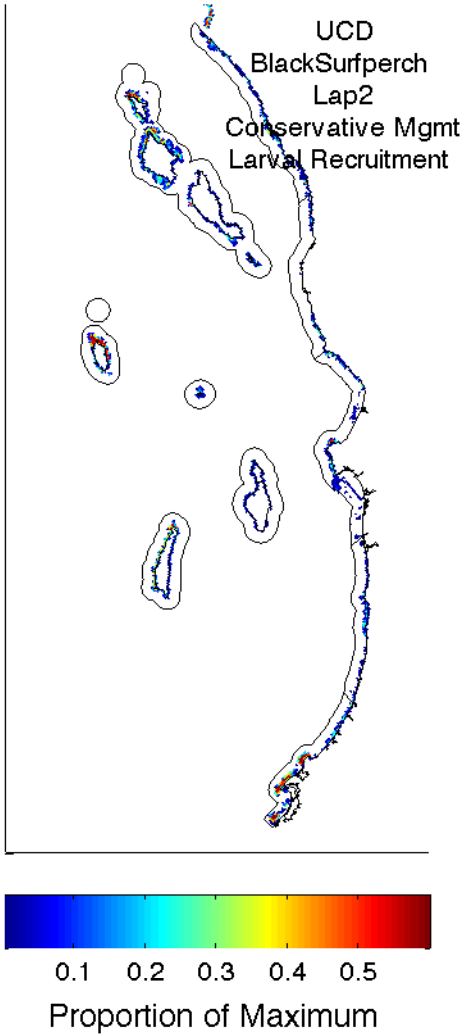

UCSB
BlackSurfperch
Lap2
MSYMgmt
Larval
Supply
0
100
200
300
400
% Change

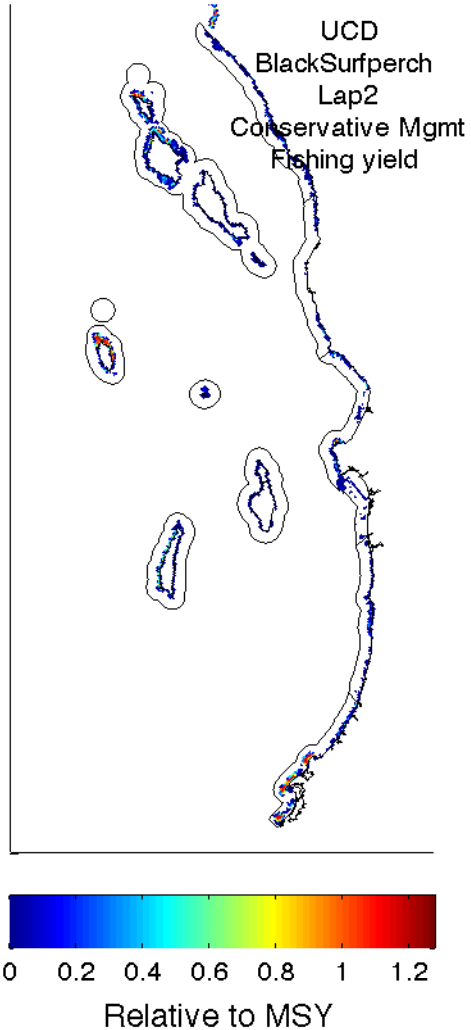

UCD
BlackSurfperch
Lap2
Conservative Mgmt
Biomass
0
0.2
0.4
0.6
Relative to unfished

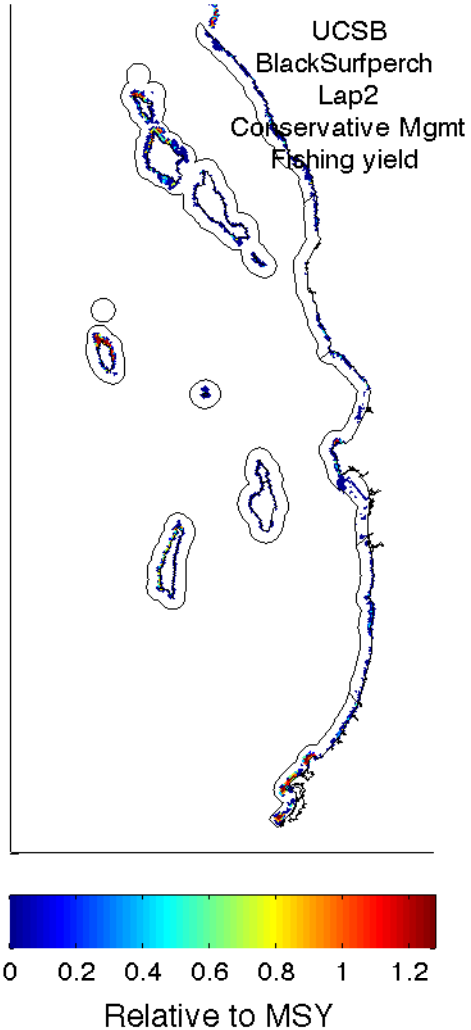

UCSB
BlackSurfperch
Lap2
Conservative Mgmt
Biomass
0
0.2
0.4
0.6
Relative to unfished

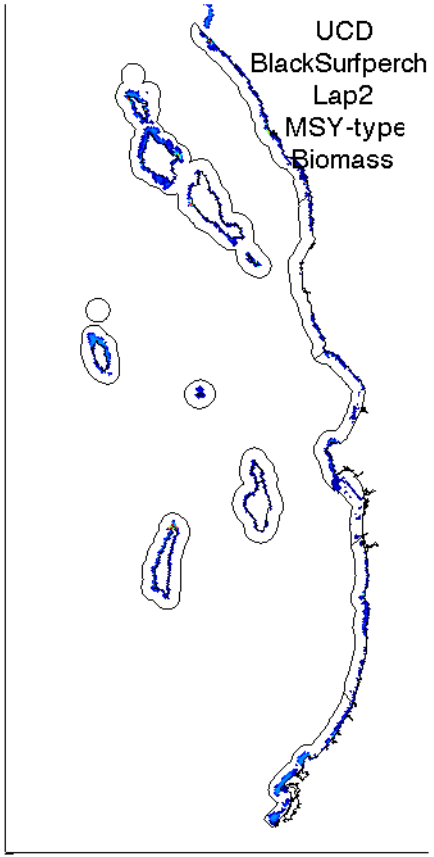

UCD
BlackSurfperch
Lap2
Conservative Mgmt
Fishing effort
0
0.1
0.2
0.3
0.4
Relative to MSY maximum effort

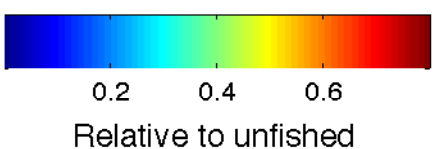

UCSB
BlackSurfperch
Lap2
Conservative Mgmt
Fishing effort
0
2
4
6
8
Relative to MSY maximum effort

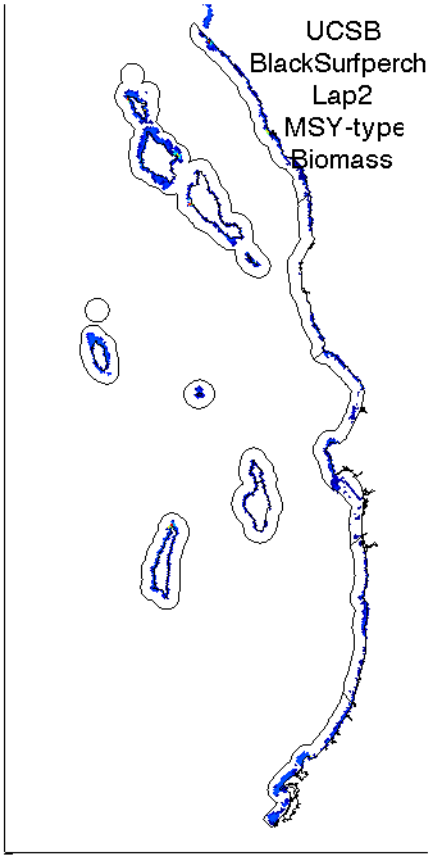

UCD
BlackSurfperch
Lap2
Conservative Mgmt
Larval Recruitment
0.1
0.2
0.3
0.4
0.5
Proportion of Maximum

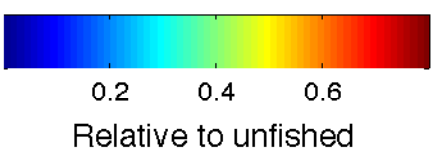

UCD
BlackSurfperch
Lap2
Conservative Mgmt
Fishing yield
0
0.2
0.4
0.6
0.8
1
1.2
Relative to MSY

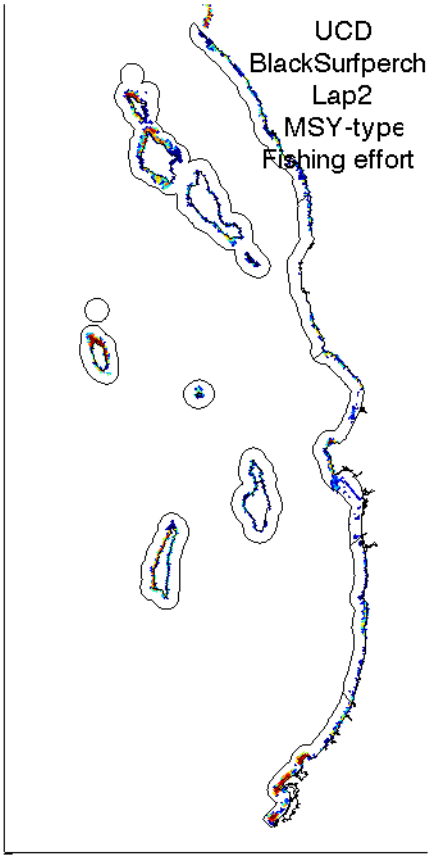

UCSB
BlackSurfperch
Lap2
Conservative Mgmt
Fishing yield
0
0.2
0.4
0.6
0.8
1
1.2
Relative to MSY

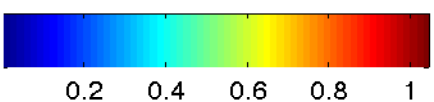

UCD
BlackSurfperch
Lap2
MSY-type
Biomass


0.2
0.4
0.6
Relative to unfished

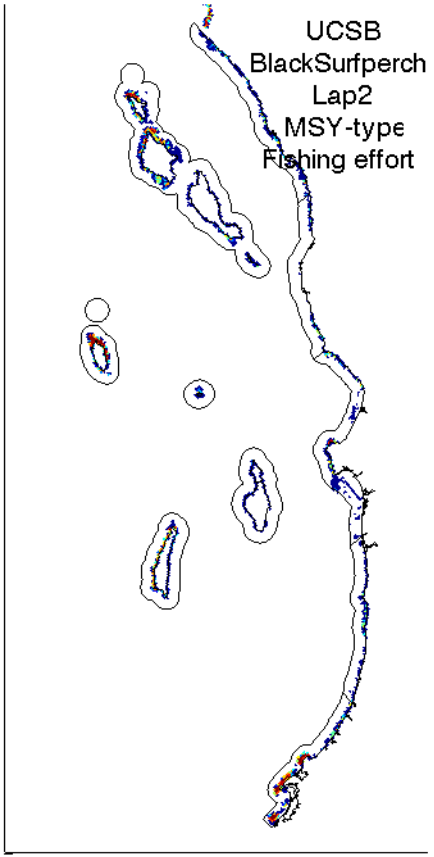

UCSB
BlackSurfperch
Lap2
MSY-type
Biomass

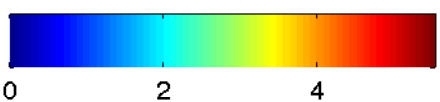

0.2
0.4
0.6
Relative to unfished



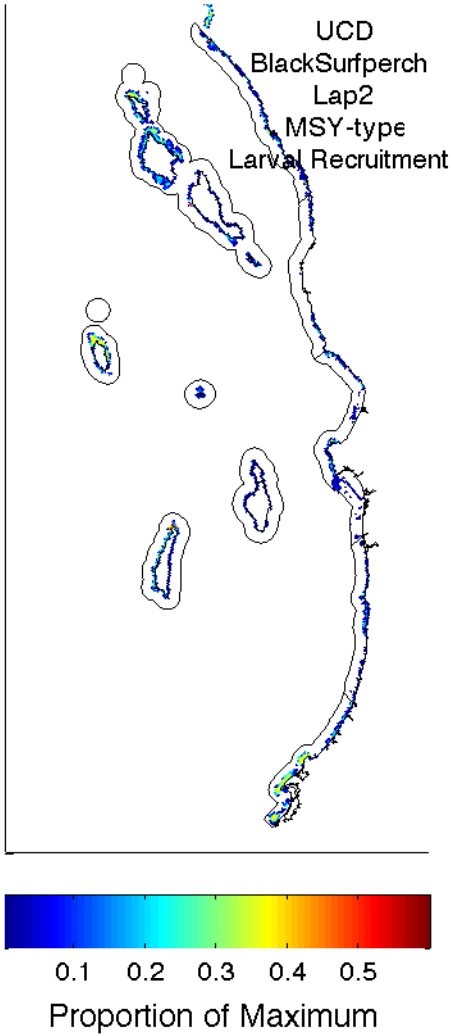


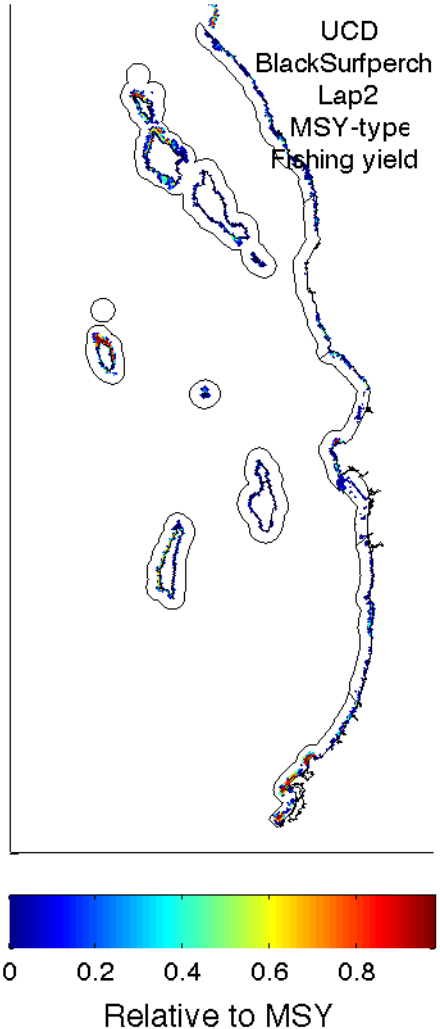
Relative to MSY maximum effort

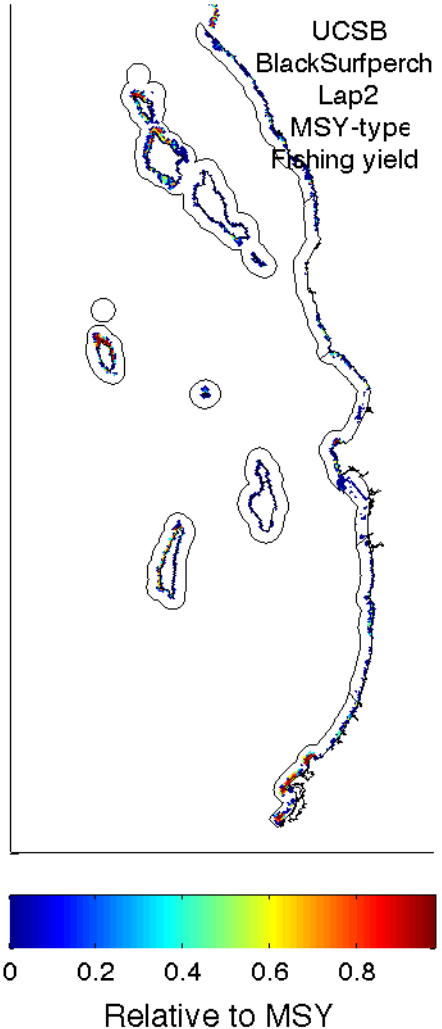


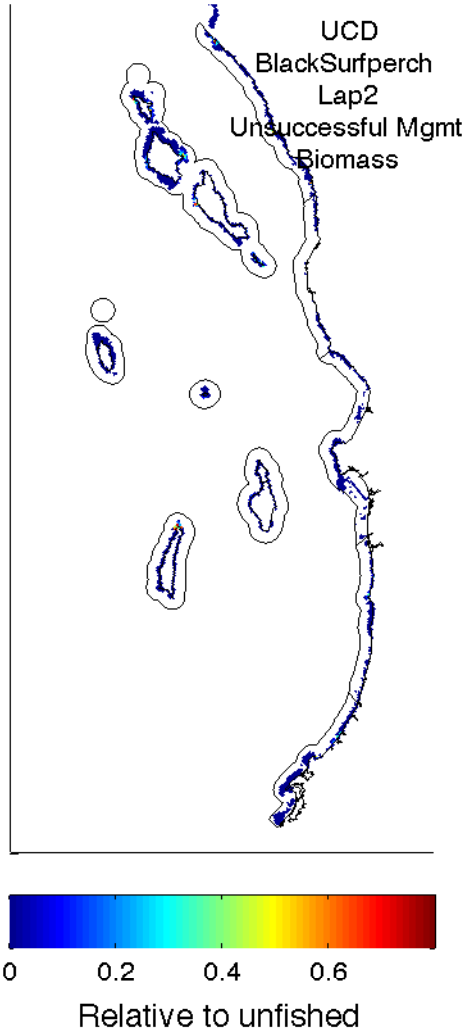


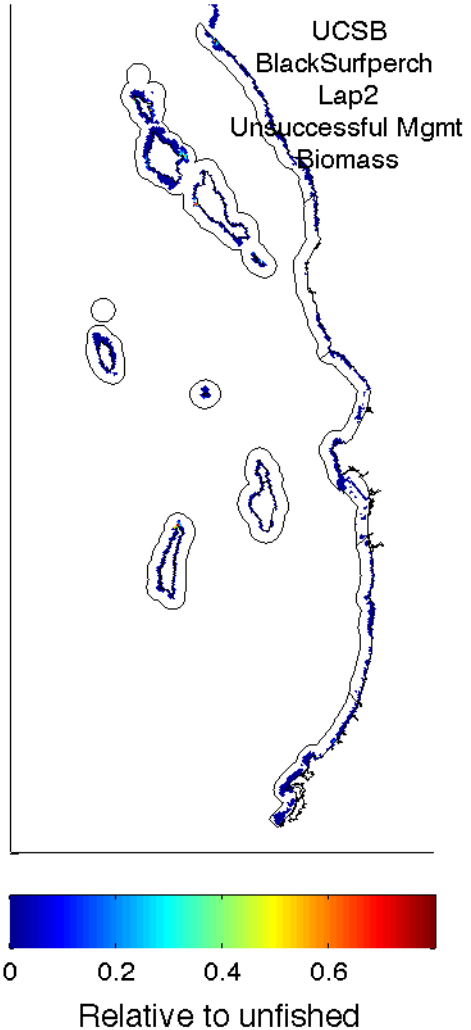
Relative to MSY maximum effort

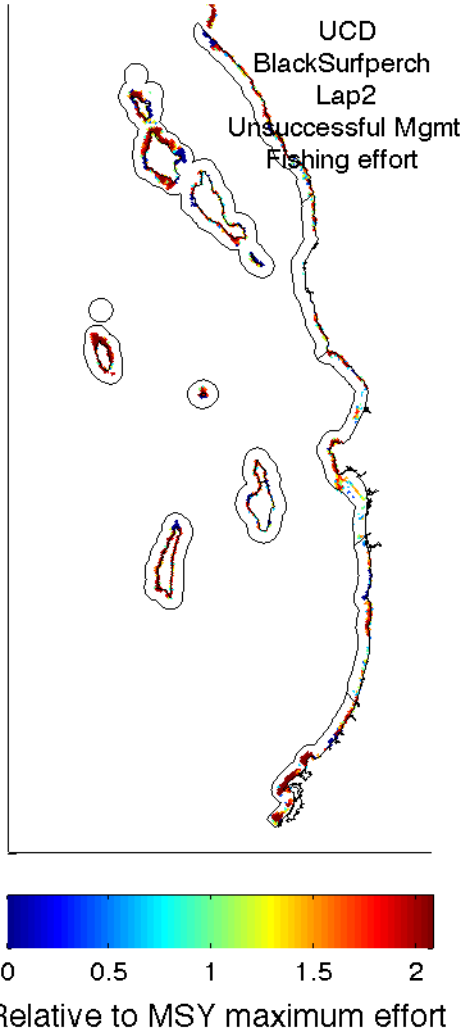

UCD
BlackSurfperch
Lap2
MSY-type
Larval Recruitment
0.1
0.2
0.3
0.4
0.5
Proportion of Maximum

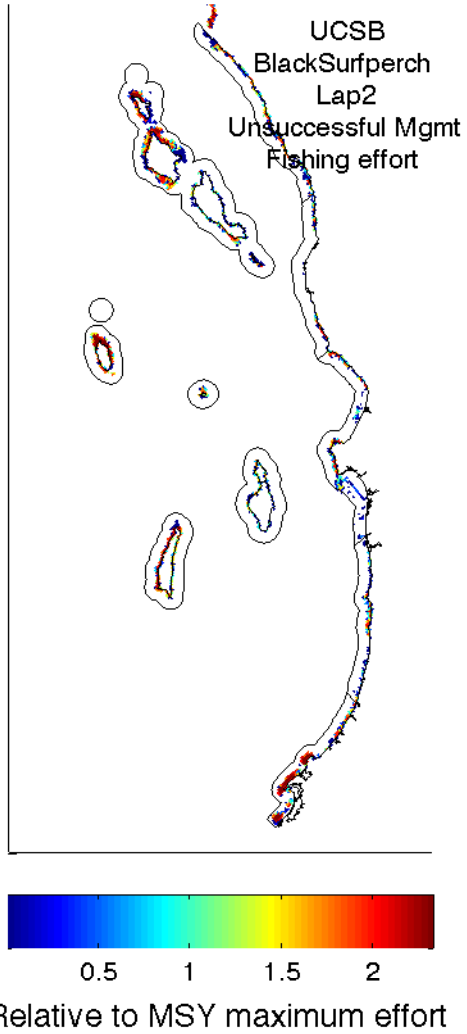

UCD
BlackSurfperch
Lap2
MSY-type
Fishing yield
0
0.2
0.4
0.6
0.8
Relative to MSY

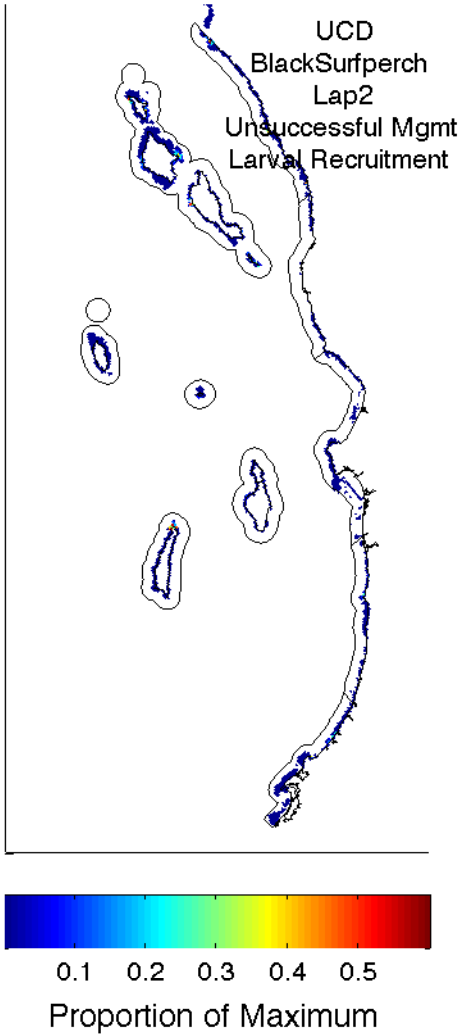

UCSB
BlackSurfperch
Lap2
MSY-type
Fishing yield
0
0.2
0.4
0.6
0.8
Relative to MSY

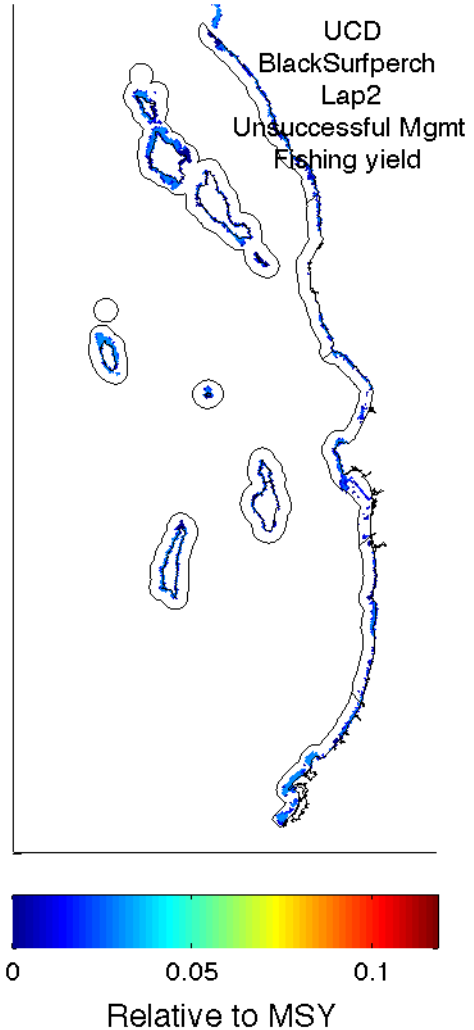

UCD
BlackSurfperch
Lap2
Unsuccessful Mgmt
Biomass
0
0.2
0.4
0.6
Relative to unfished

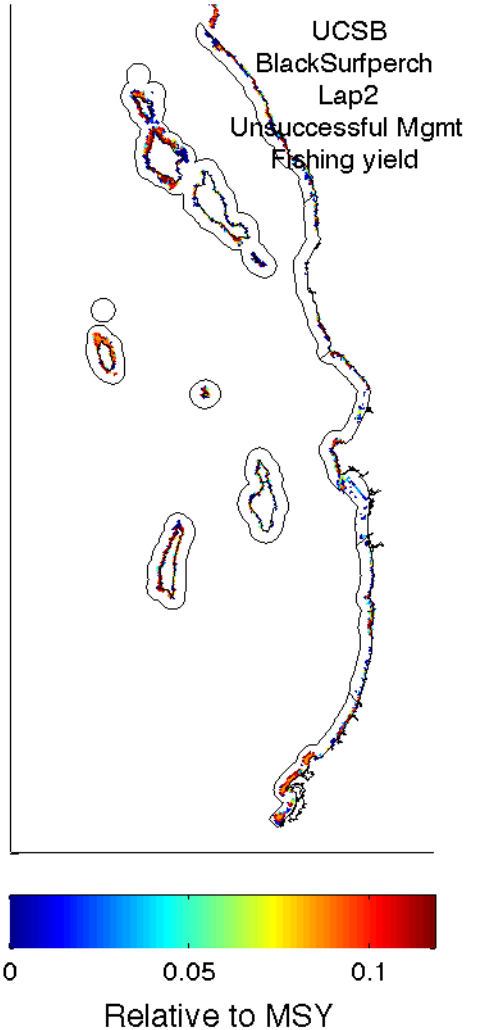

UCSB
BlackSurfperch
Lap2
Unsuccessful Mgmt
Biomass
0
0.2
0.4
0.6
Relative to unfished

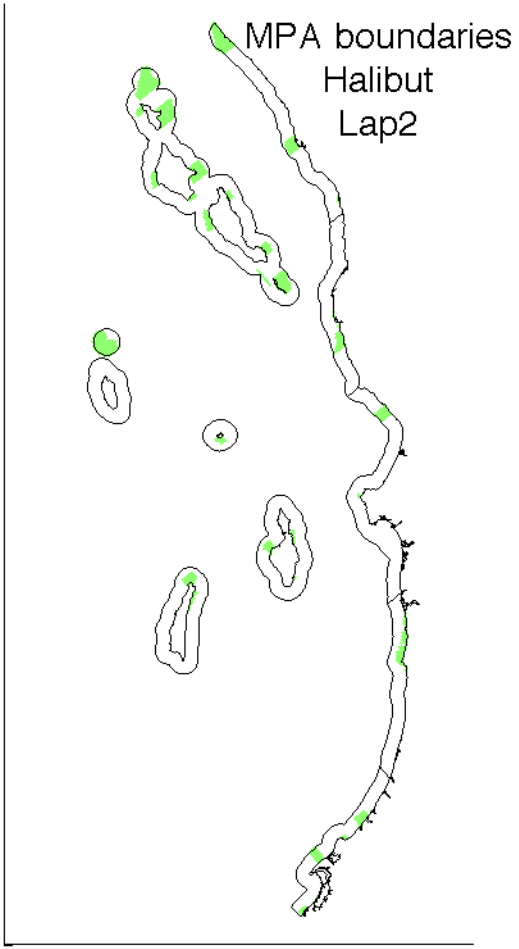

UCD
BlackSurfperch
Lap2
Unsuccessful Mgmt
Fishing effort
0
0.5
1
1.5
2
Relative to MSY maximum effort

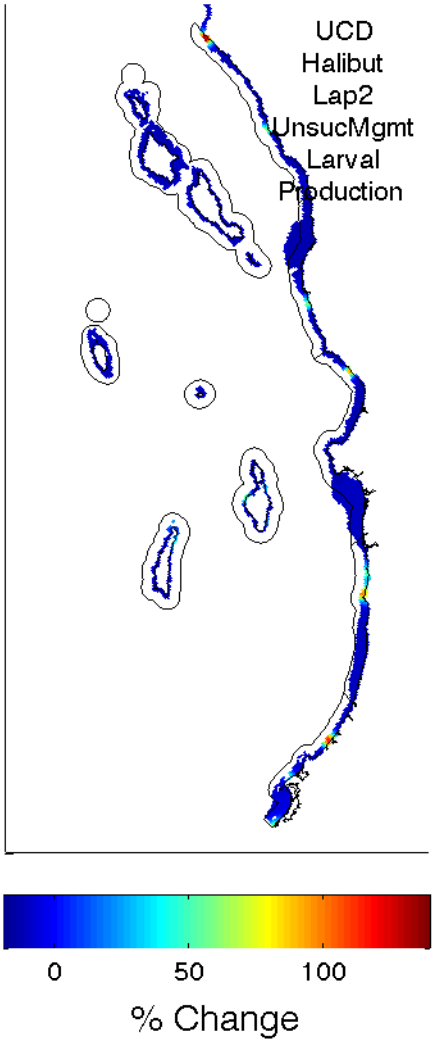

UCSB
BlackSurfperch
Lap2
Unsuccessful Mgmt
Fishing effort
0.5
1
1.5
2
Relative to MSY maximum effort

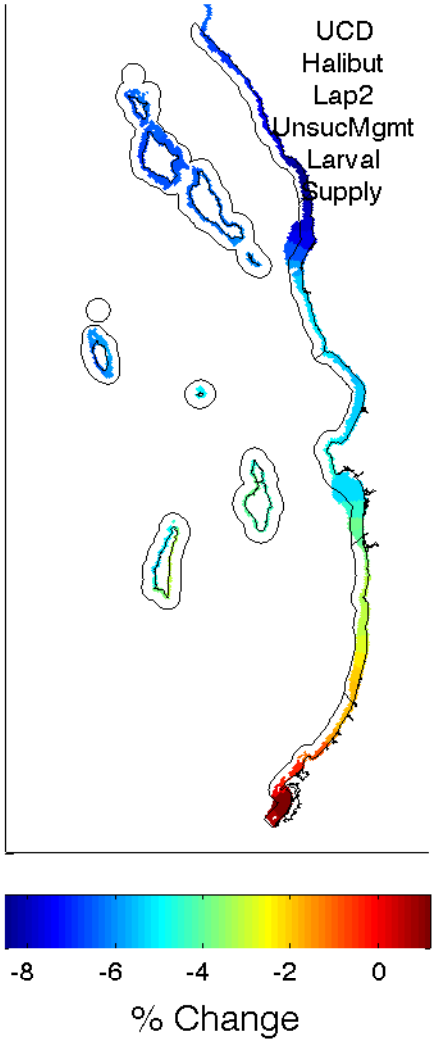

UCD
BlackSurfperch
Lap2
Unsuccessful Mgmt
Larval Recruitment
0.1
0.2
0.3
0.4
0.5
Proportion of Maximum

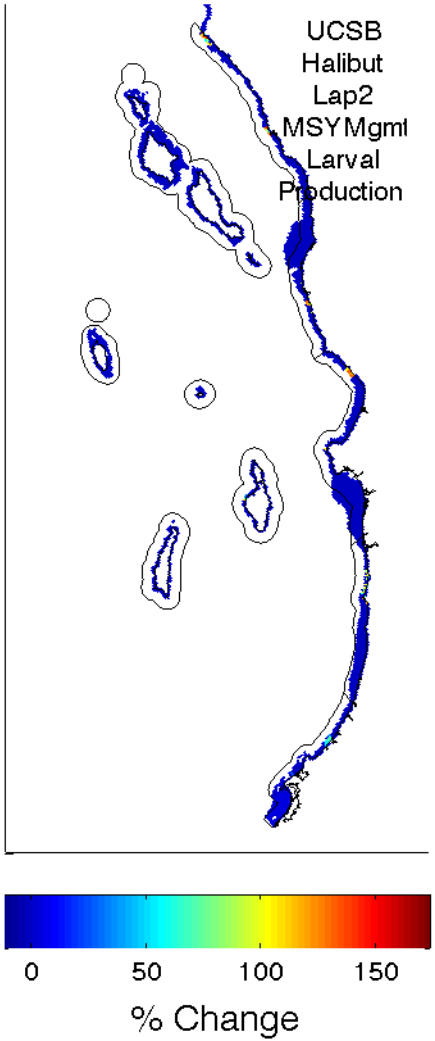

UCD
BlackSurfperch
Lap2
Unsuccessful Mgmt
Fishing yield
0
0.05
0.1
Relative to MSY

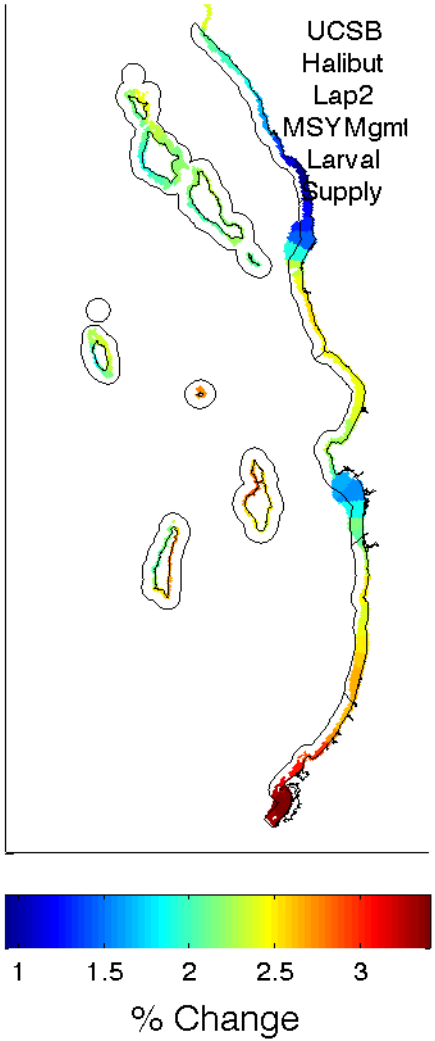

UCSB
BlackSurfperch
Lap2
Unsuccessful Mgmt
Fishing yield
0
0.05
0.1
Relative to MSY

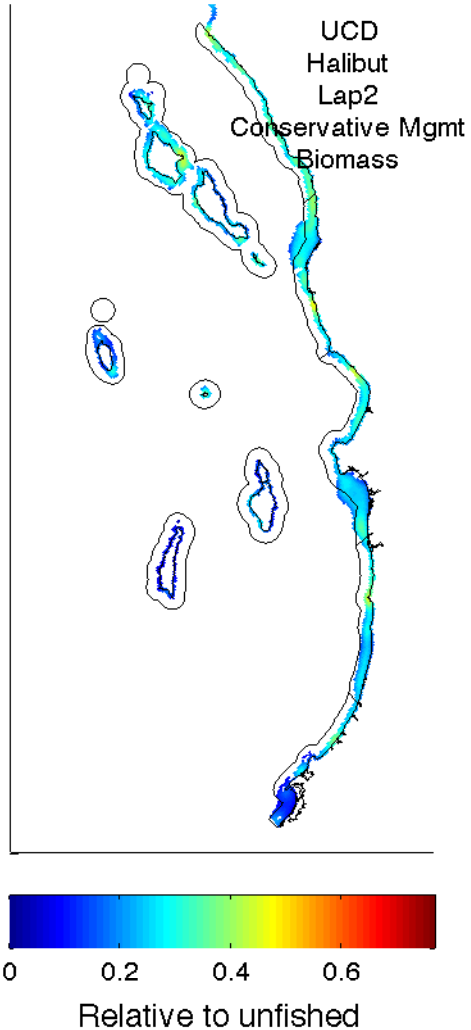

MPA boundaries
Halibut
Lap2

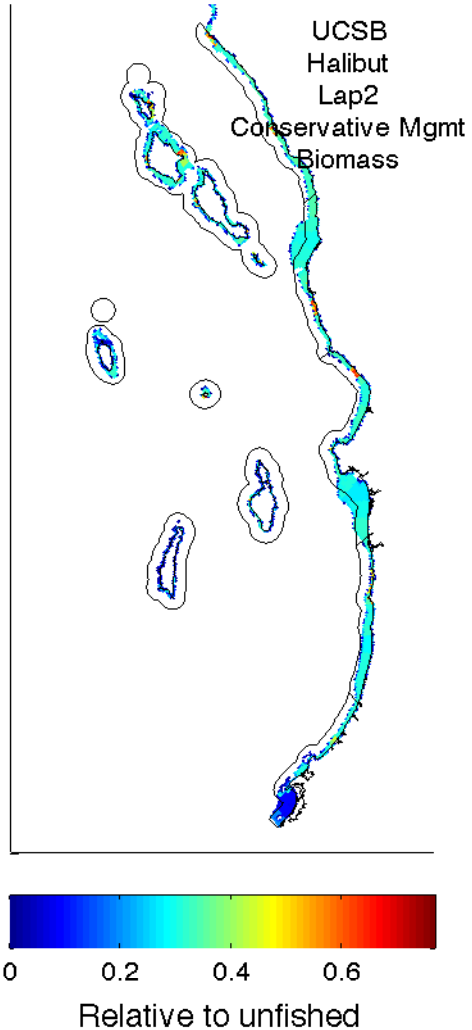

UCD
Halibut
Lap2
UnsucMgmt
Larval
Production
0
50
100
% Change

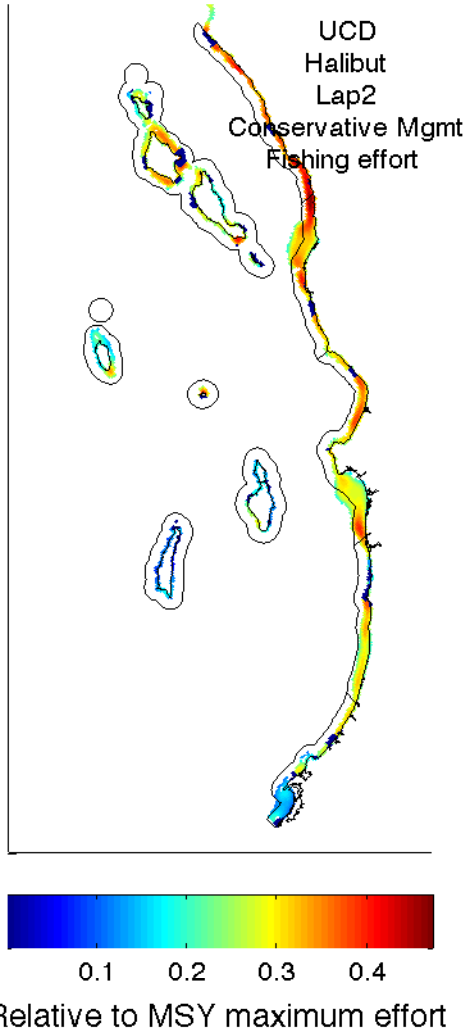

UCD
Halibut
Lap2
UnsucMgmt
Larval
Supply
-8
-6
-4
-2
0
% Change

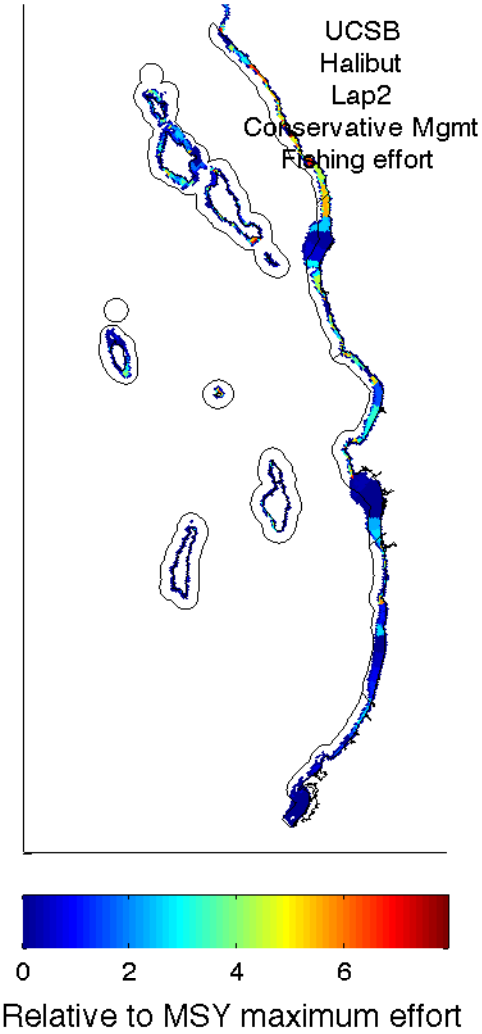

UCSB
Halibut
Lap2
MSYMgmt
Larval
Production
0
50
100
150
% Change

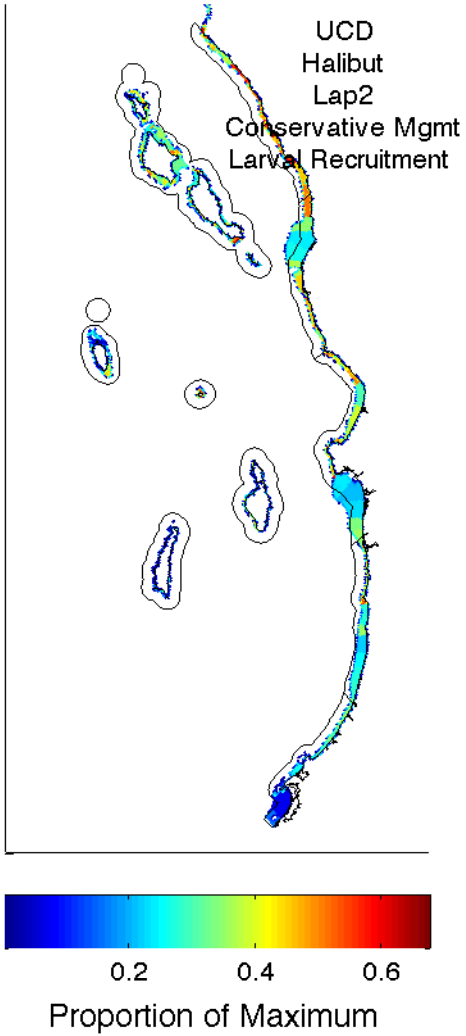

UCSB
Halibut
Lap2
MSYMgmt
Larval
Supply
1
1.5
2
2.5
3
% Change

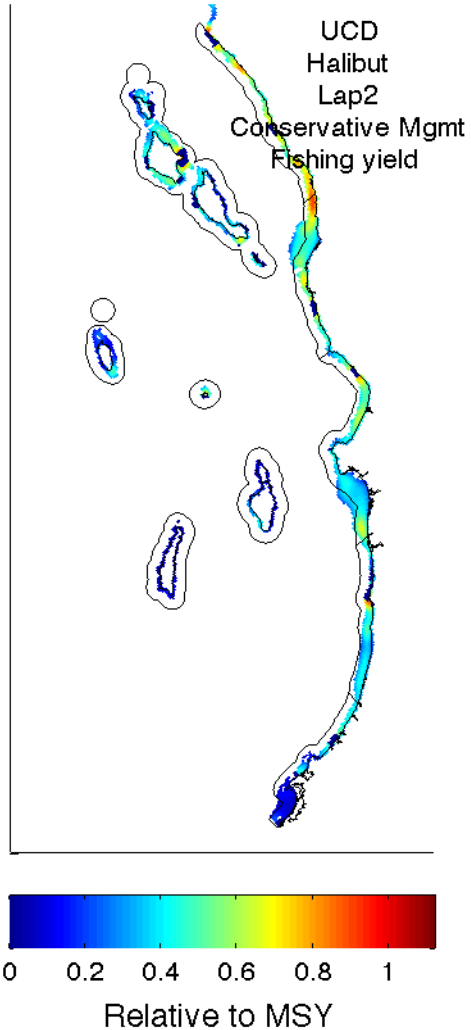

UCD
Halibut
Lap2
Conservative Mgmt
Biomass
0
0.2
0.4
0.6
Relative to unfished

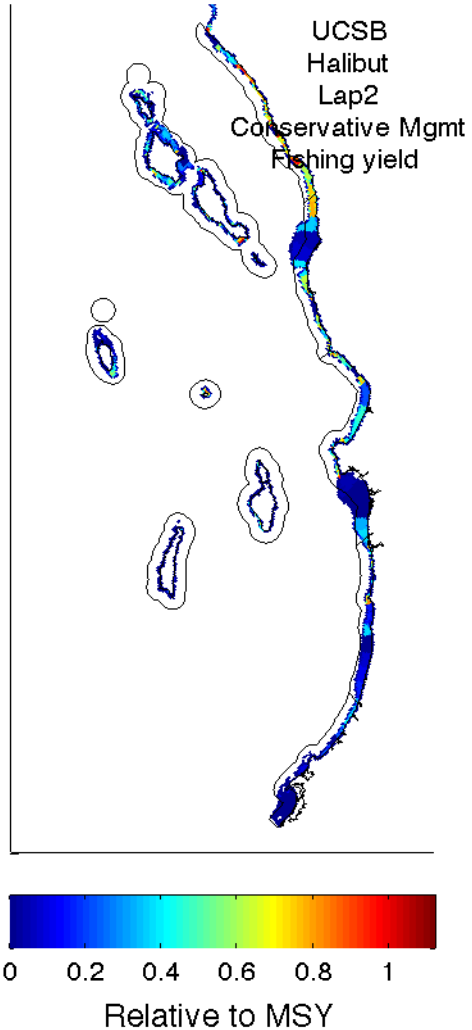

UCSB
Halibut
Lap2
Conservative Mgmt
Biomass
0
0.2
0.4
0.6
Relative to unfished

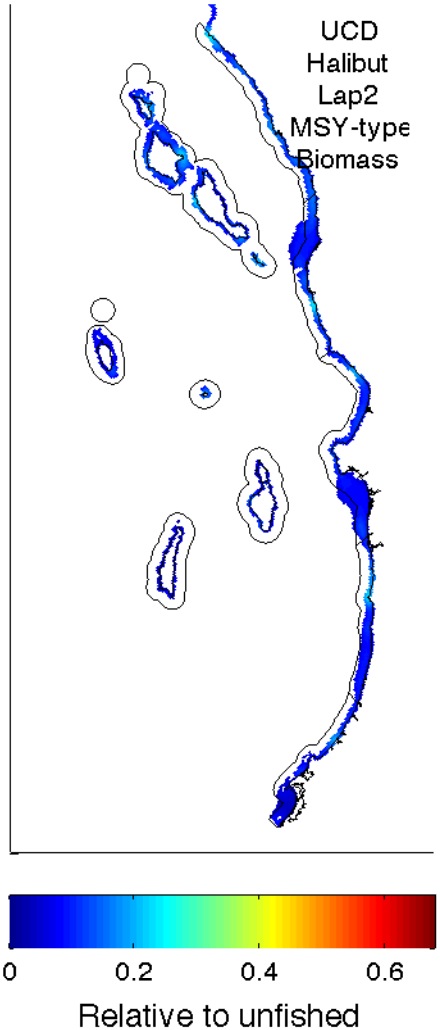

UCD
Halibut
Lap2
Conservative Mgmt
Fishing effort
0.1
0.2
0.3
0.4
Relative to MSY maximum effort

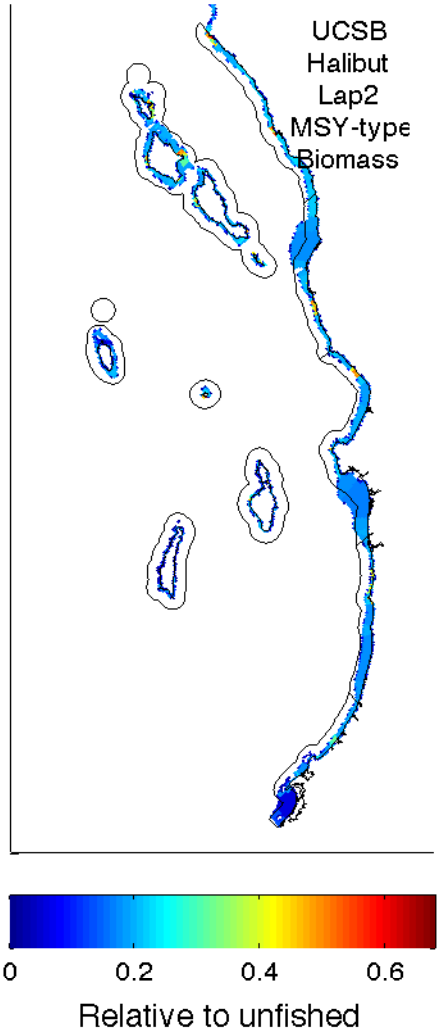

UCSB
Halibut
Lap2
Conservative Mgmt
Fishing effort
0
2
4
6
Relative to MSY maximum effort

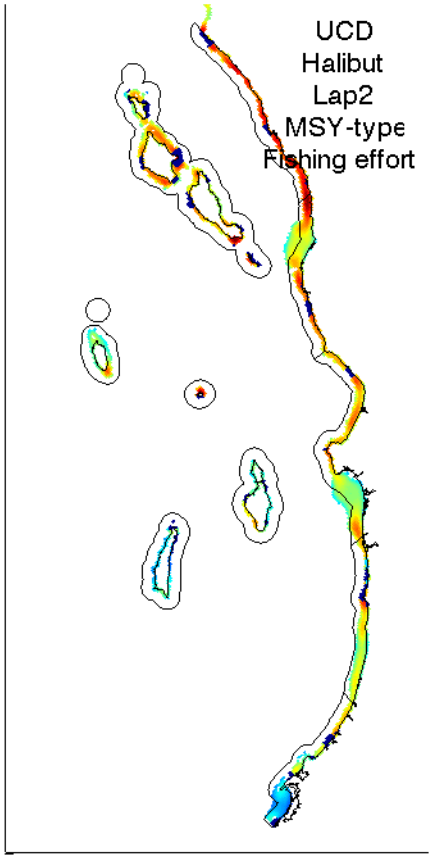

UCD
Halibut
Lap2
Conservative Mgmt
Larval Recruitment
0.2
0.4
0.6
Proportion of Maximum

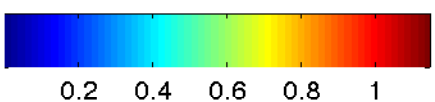

UCD
Halibut
Lap2
Conservative Mgmt
Fishing yield
0
0.2
0.4
0.6
0.8
1
Relative to MSY


UCSB
Halibut
Lap2
Conservative Mgmt
Fishing yield
0
0.2
0.4
0.6
0.8
1
Relative to MSY

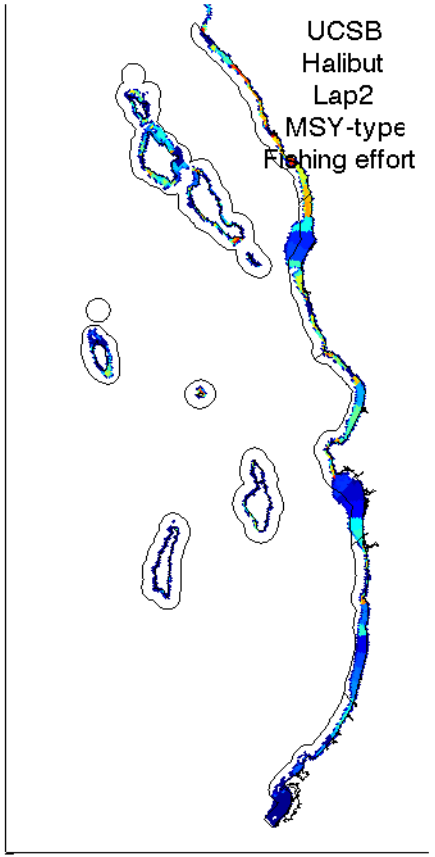

UCD
Halibut
Lap2
MSY-type
Biomass
0
0.2
0.4
0.6
Relative to unfished

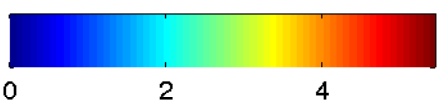

UCSB
Halibut
Lap2
MSY-type
Biomass
0
0.2
0.4
0.6
Relative to unfished



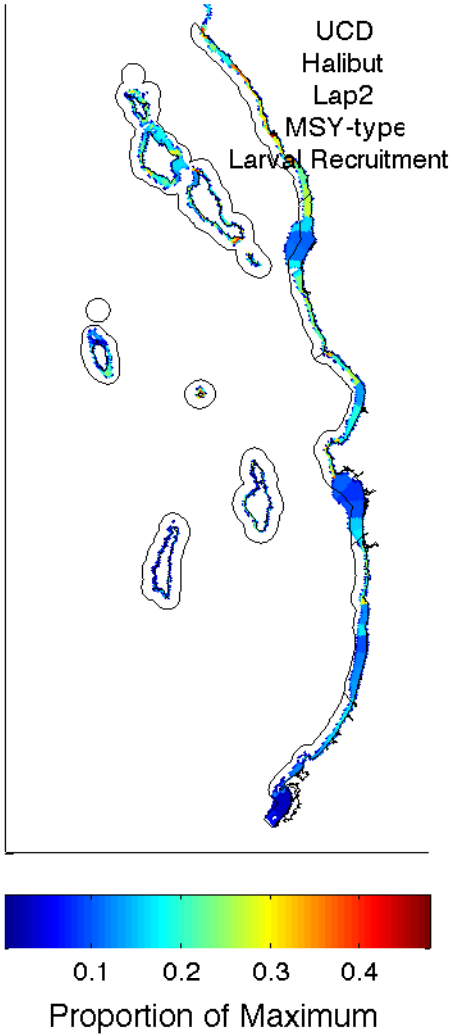


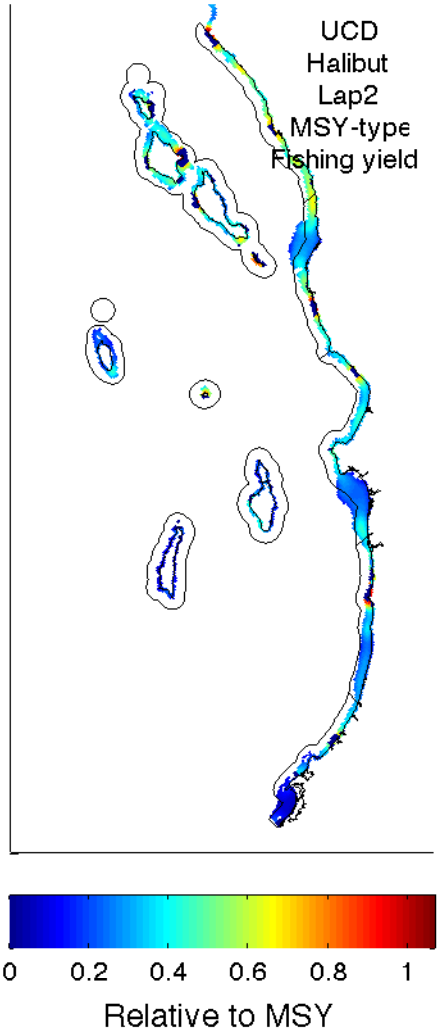
Relative to MSY maximum effort

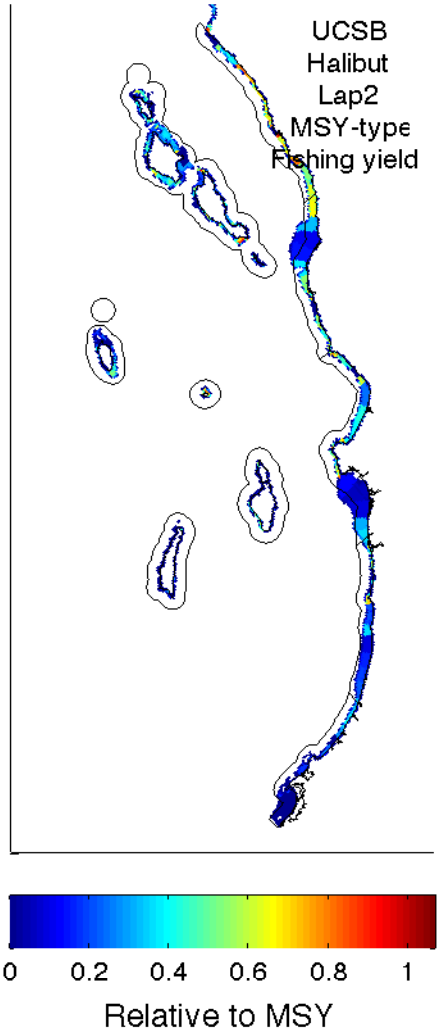


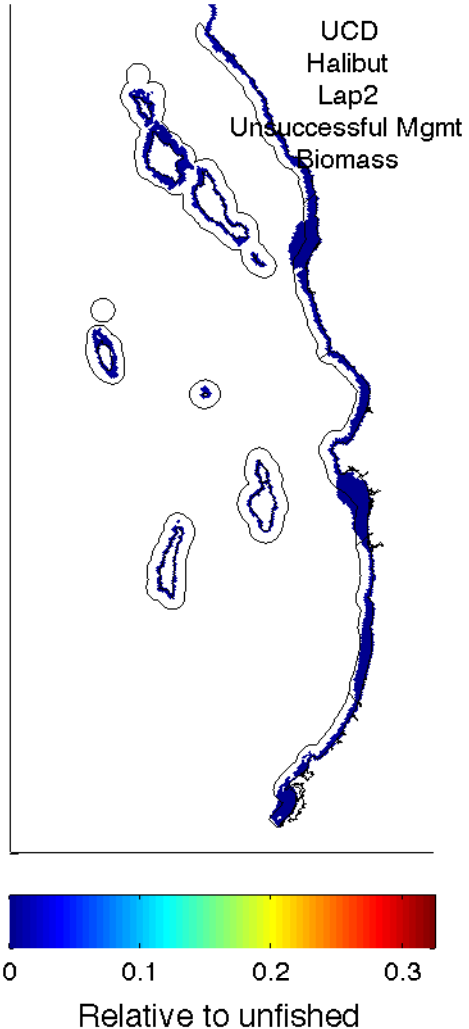


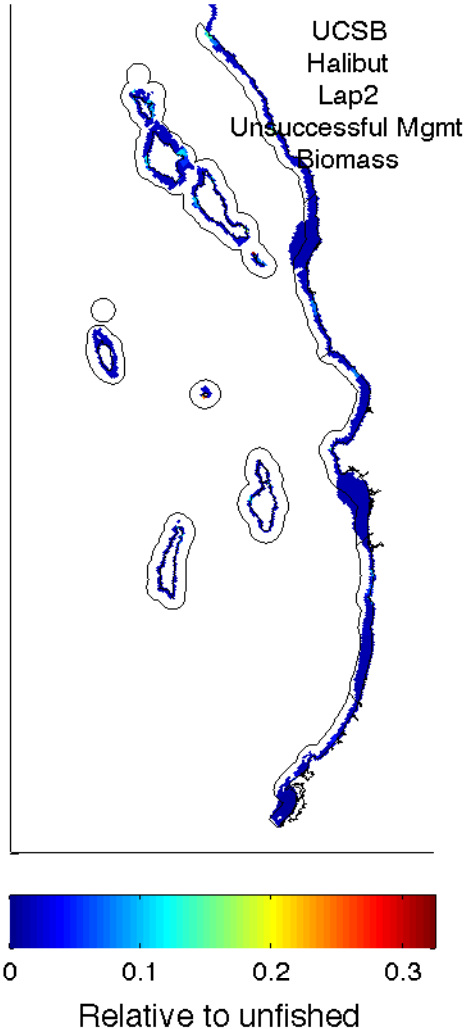
Relative to MSY maximum effort

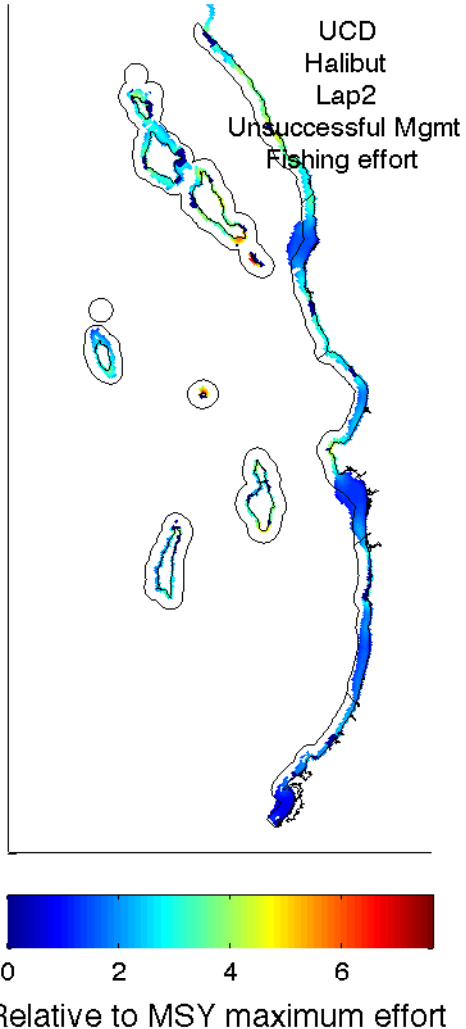

UCD
Halibut
Lap2
MSY-type
Larval Recruitment
0.1
0.2
0.3
0.4
Proportion of Maximum

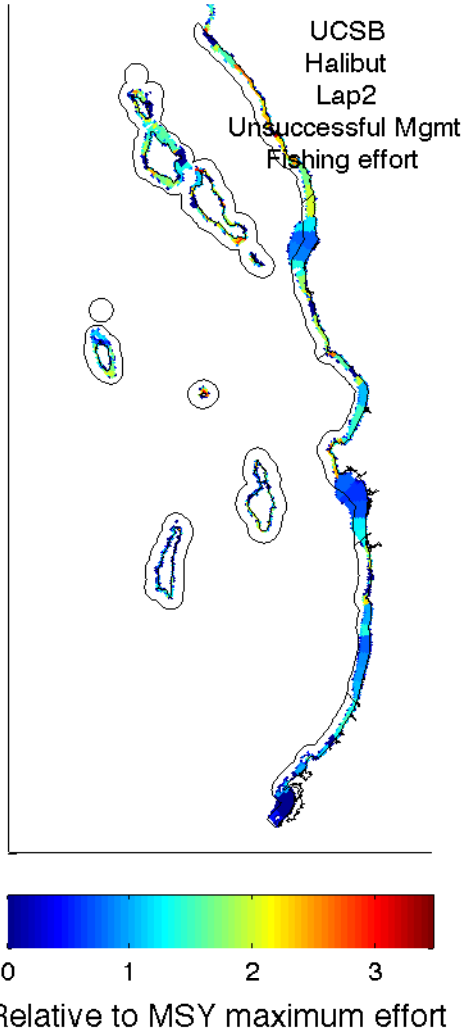

UCD
Halibut
Lap2
MSY-type
Fishing yield
0
0.2
0.4
0.6
0.8
1
Relative to MSY

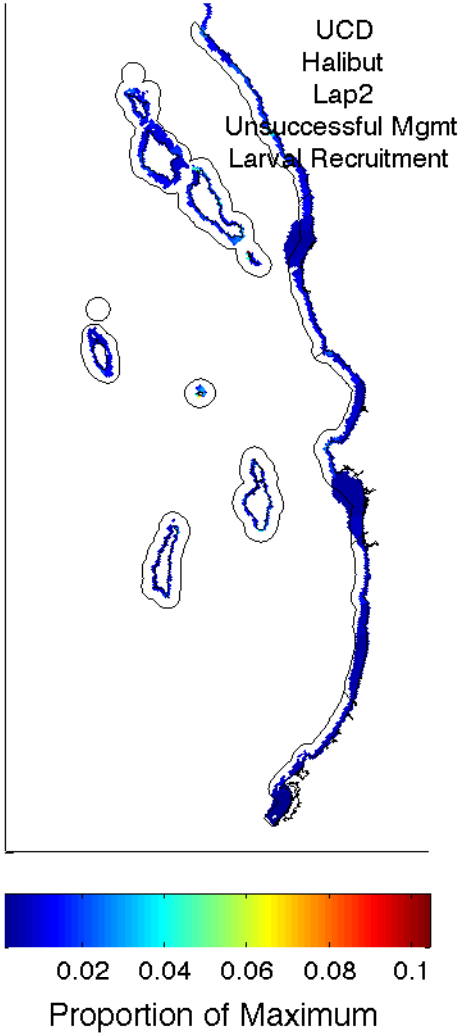

UCSB
Halibut
Lap2
MSY-type
Fishing yield
0
0.2
0.4
0.6
0.8
1
Relative to MSY

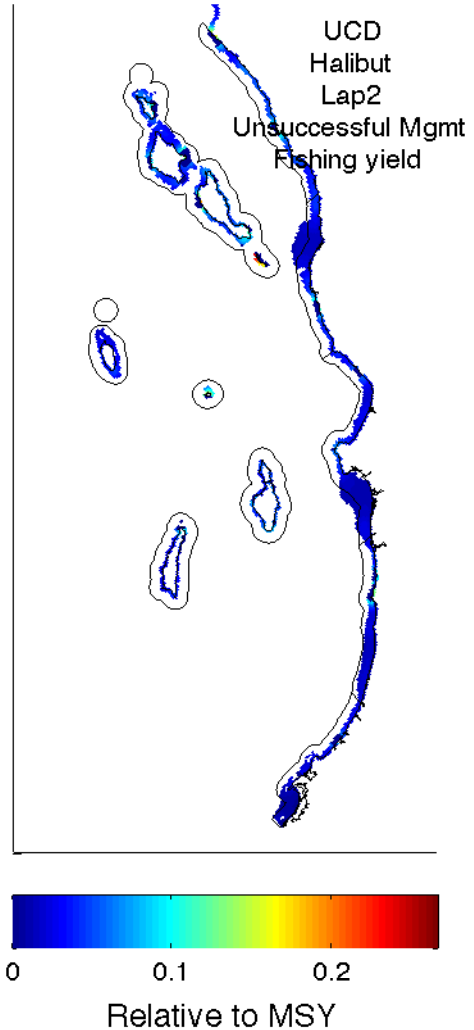

UCD
Halibut
Lap2
Unsuccessful Mgmt
Biomass
0
0.1
0.2
0.3
Relative to unfished

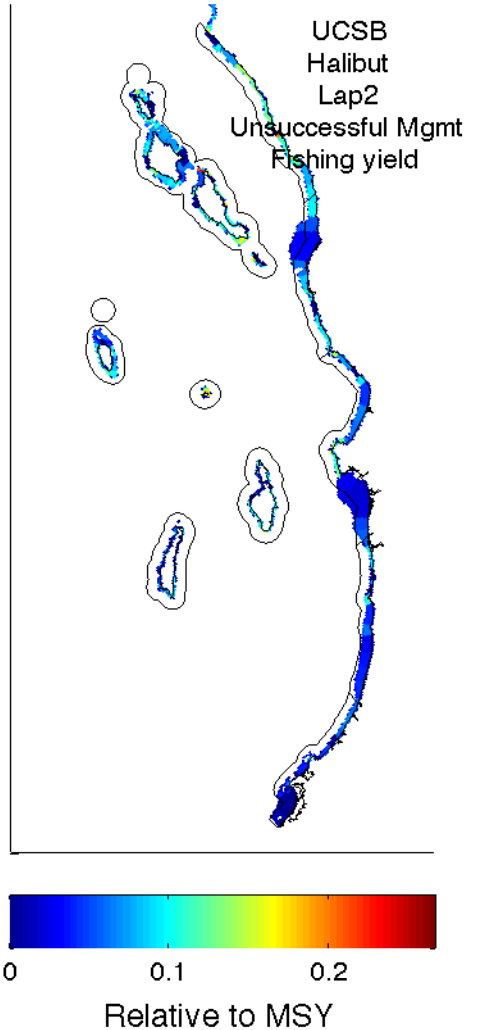

UCSB
Halibut
Lap2
Unsuccessful Mgmt
Biomass
0
0.1
0.2
0.3
Relative to unfished

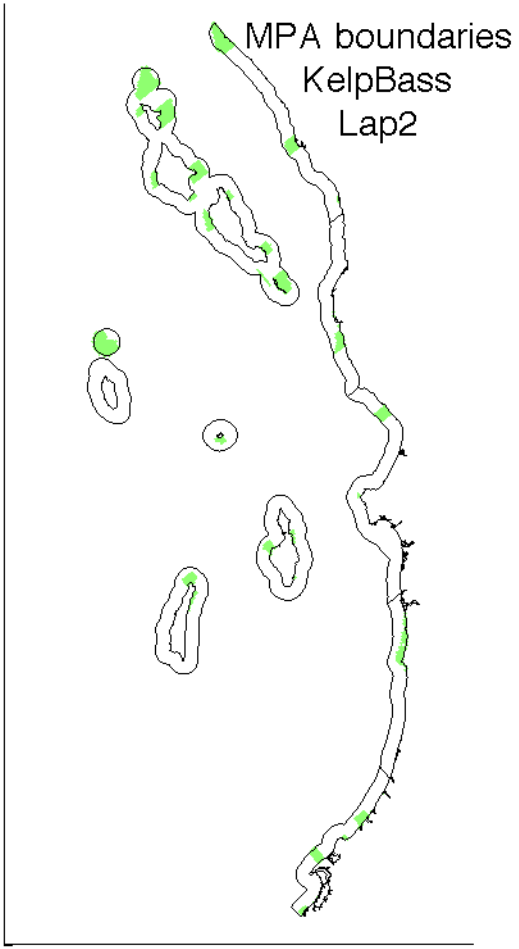

UCD
Halibut
Lap2
Unsuccessful Mgmt
Fishing effort
0
2
4
6
Relative to MSY maximum effort

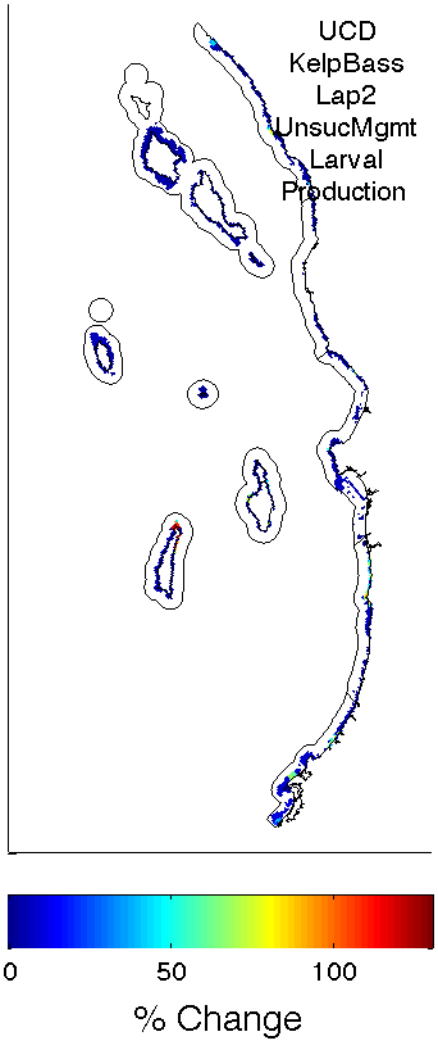

UCSB
Halibut
Lap2
Unsuccessful Mgmt
Fishing effort
0
1
2
3
Relative to MSY maximum effort

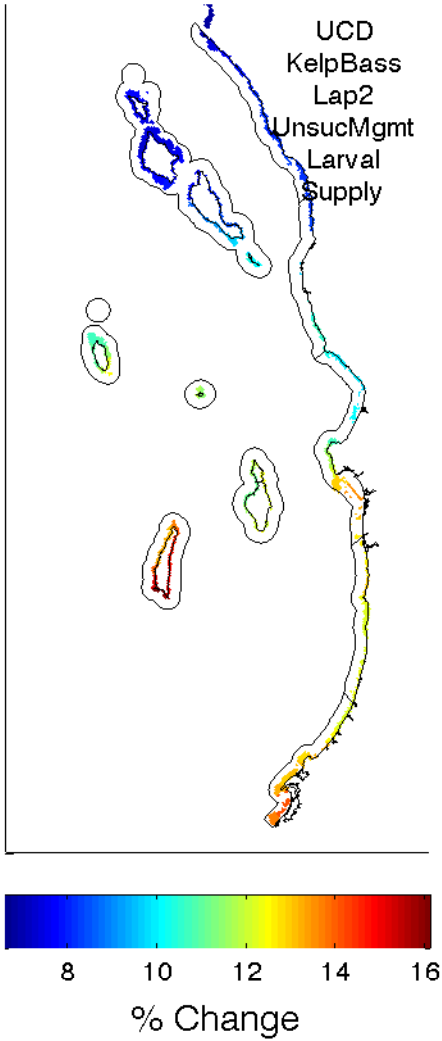

UCD
Halibut
Lap2
Unsuccessful Mgmt
Larval Recruitment
0.02
0.04
0.06
0.08
0.1
Proportion of Maximum

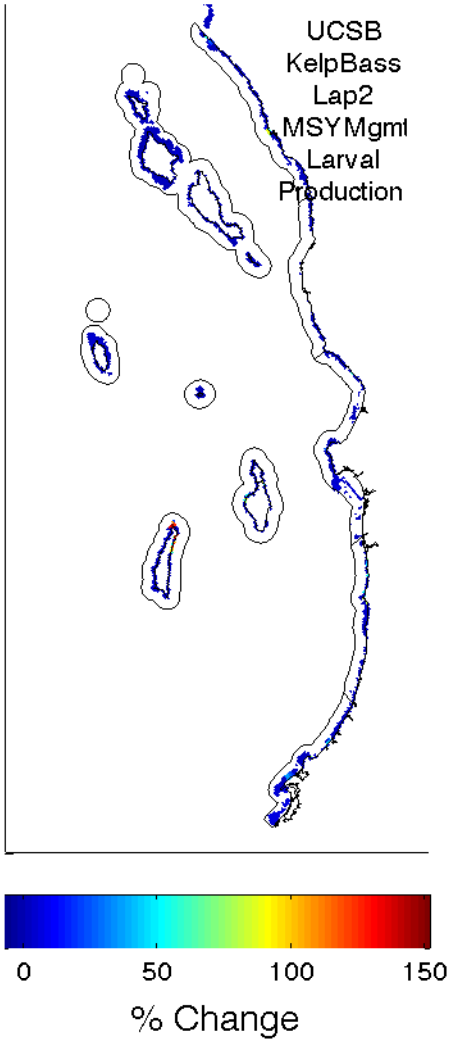

UCD
Halibut
Lap2
Unsuccessful Mgmt
Fishing yield
0
0.1
0.2
Relative to MSY

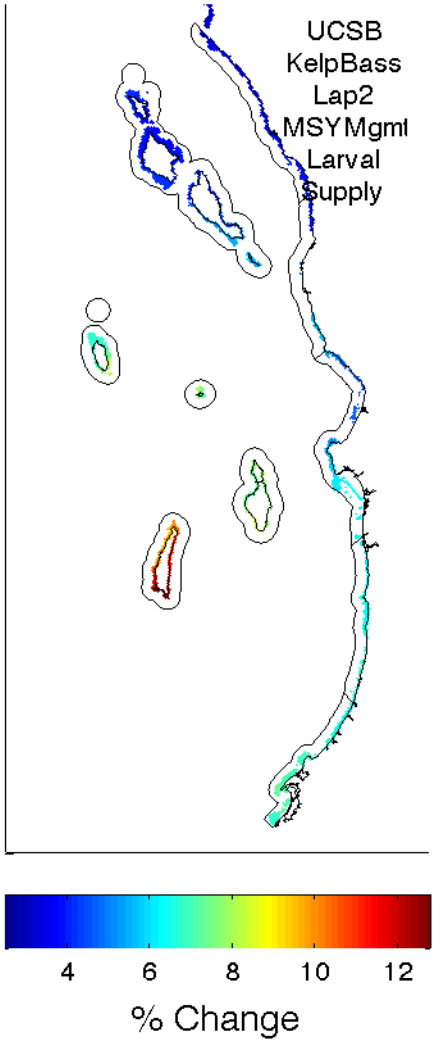

UCSB
Halibut
Lap2
Unsuccessful Mgmt
Fishing yield
0
0.1
0.2
Relative to MSY

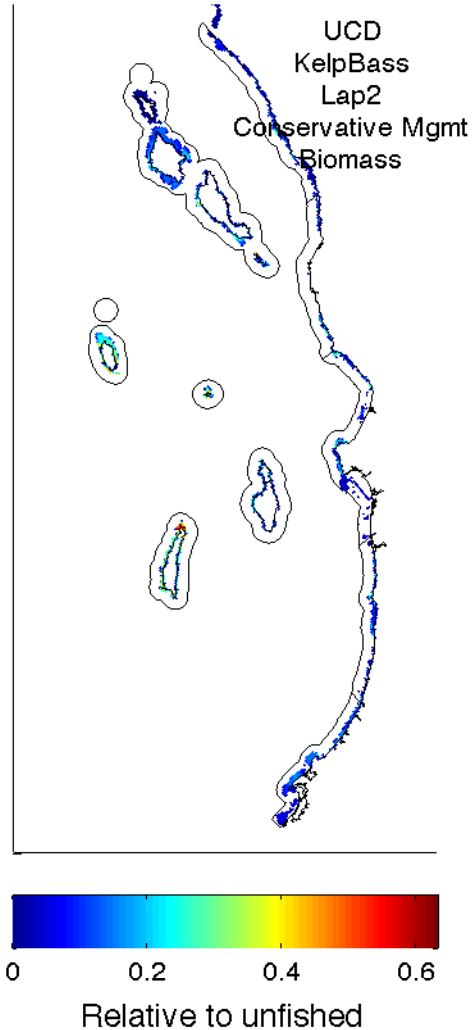

MPA boundaries
KelpBass
Lap2

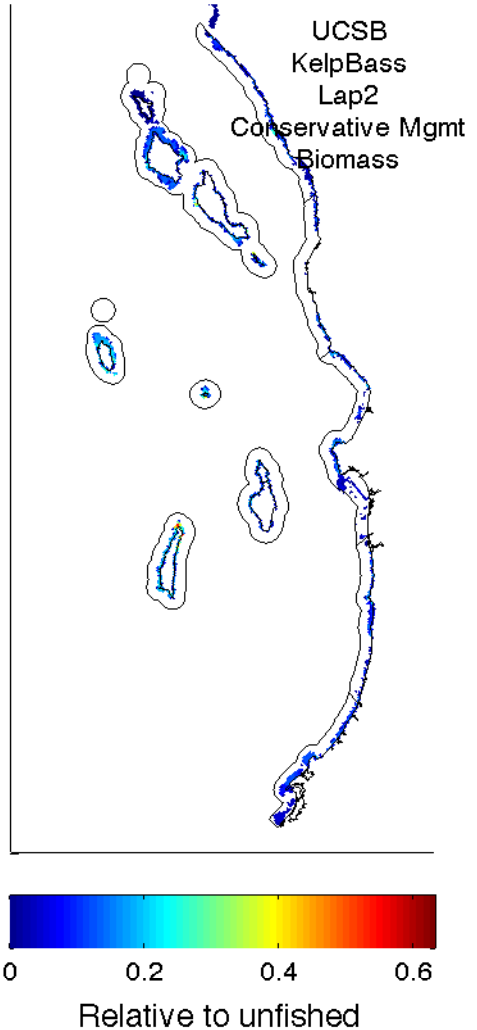

UCD
KelpBass
Lap2
UnsucMgmt
Larval
Production
0
50
100
% Change

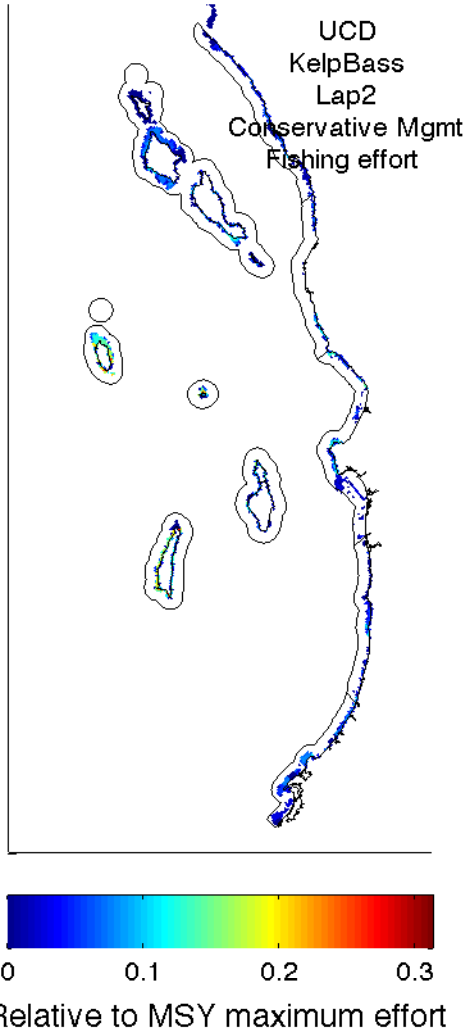

UCD
KelpBass
Lap2
UnsucMgmt
Larval
Supply
8
10
12
14
16
% Change

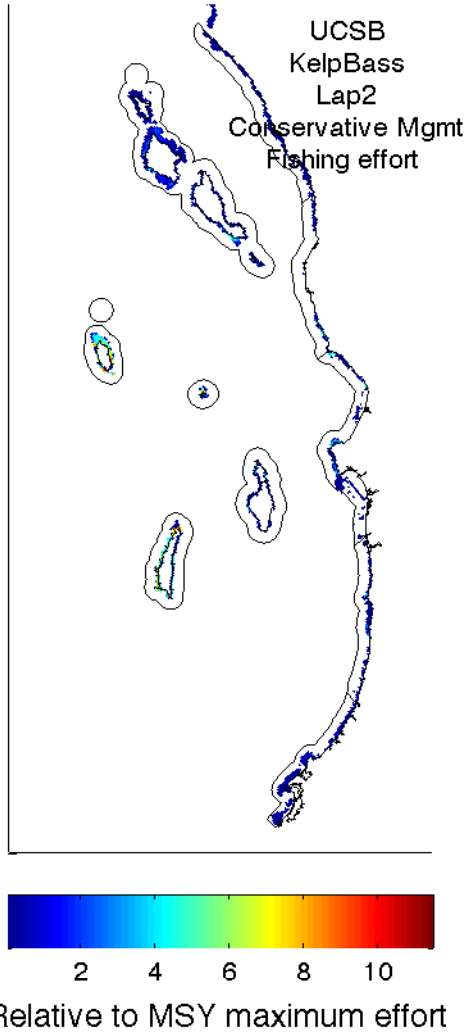

UCSB
KelpBass
Lap2
MSYMgmt
Larval
Production
0
50
100
150
% Change

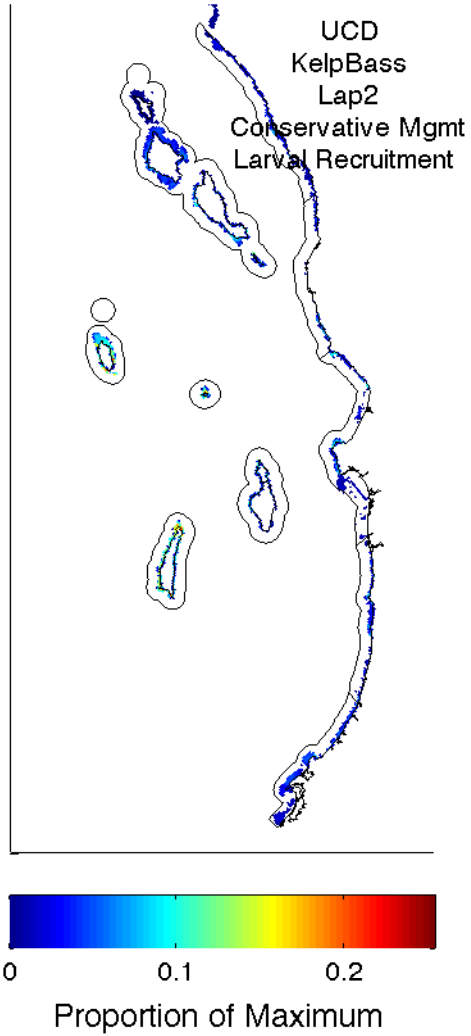

UCSB
KelpBass
Lap2
MSYMgmt
Larval
Supply
4
6
8
10
12
% Change

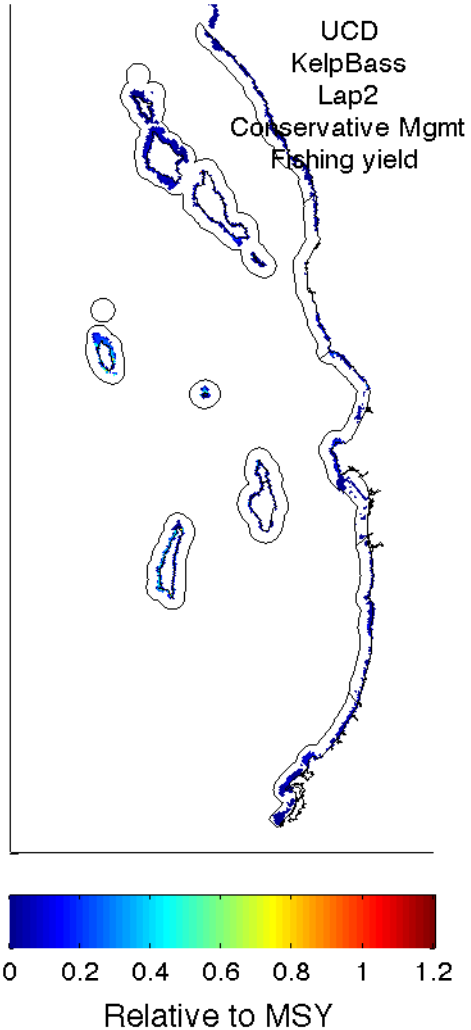

UCD
KelpBass
Lap2
Conservative Mgmt
Biomass
0
0.2
0.4
0.6
Relative to unfished

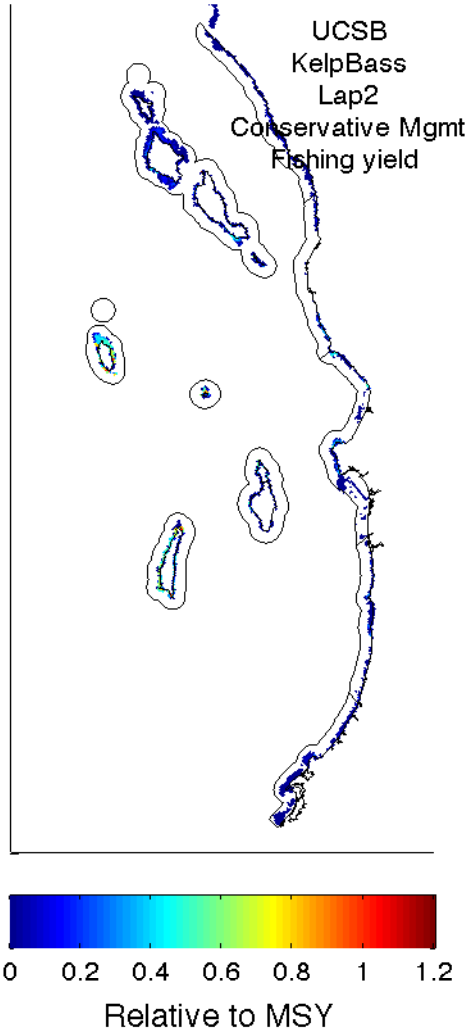

UCSB
KelpBass
Lap2
Conservative Mgmt
Biomass
0
0.2
0.4
0.6
Relative to unfished

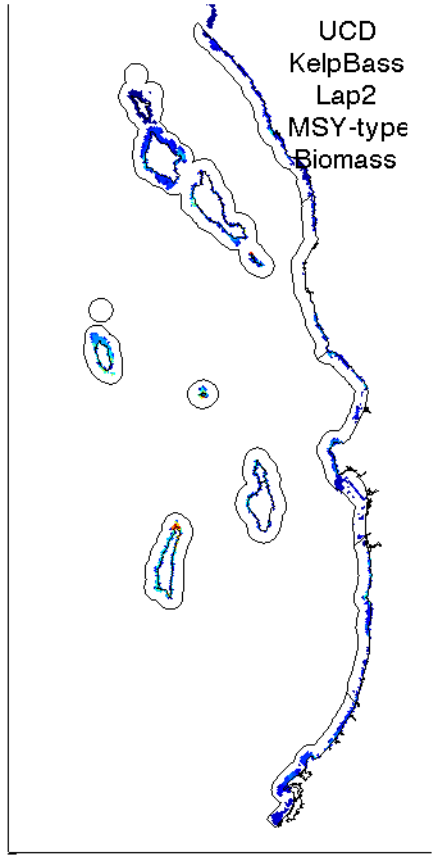

UCD
KelpBass
Lap2
Conservative Mgmt
Fishing effort
0
0.1
0.2
0.3
Relative to MSY maximum effort

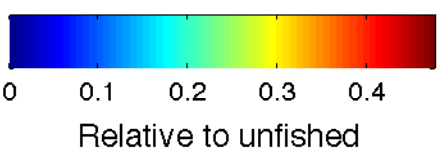

UCSB
KelpBass
Lap2
Conservative Mgmt
Fishing effort
2
4
6
8
10
Relative to MSY maximum effort

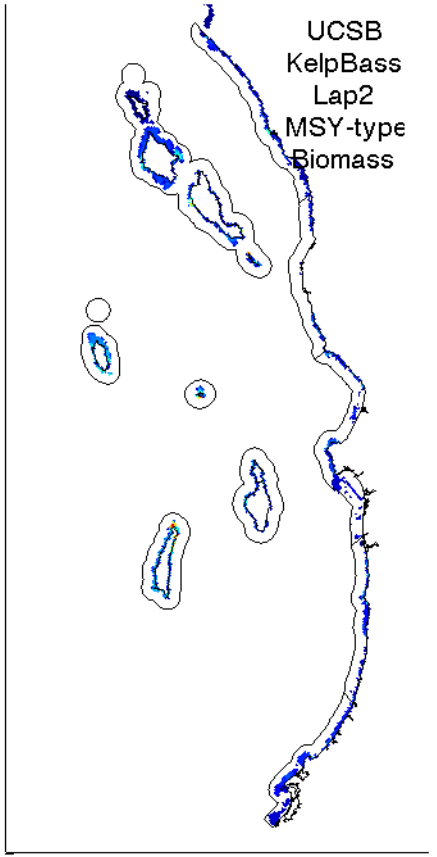

UCD
KelpBass
Lap2
Conservative Mgmt
Larval Recruitment
0
0.1
0.2
Proportion of Maximum

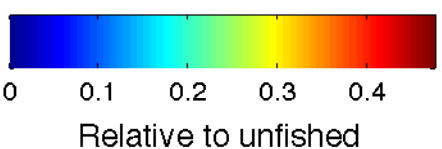

UCD
KelpBass
Lap2
Conservative Mgmt
Fishing yield
0
0.2
0.4
0.6
0.8
1
1.2
Relative to MSY

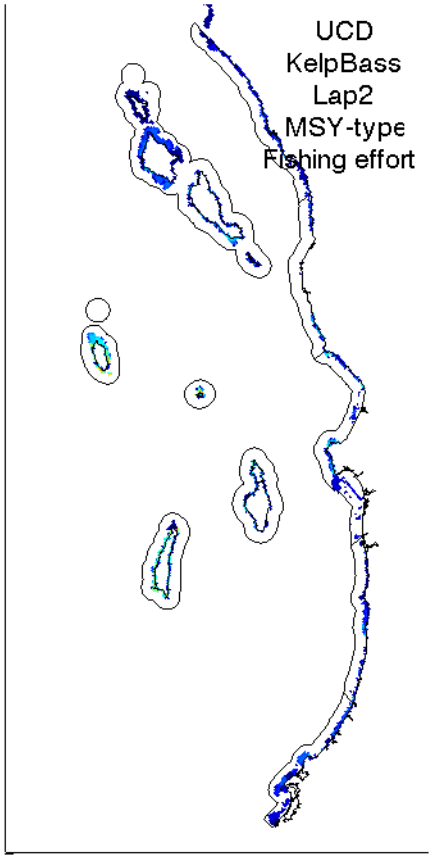

UCSB
KelpBass
Lap2
Conservative Mgmt
Fishing yield
0
0.2
0.4
0.6
0.8
1
1.2
Relative to MSY

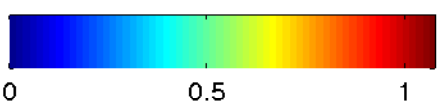

UCD
KelpBass
Lap2
MSY-type
Biomass


0
0.1
0.2
0.3
0.4
Relative to unfished

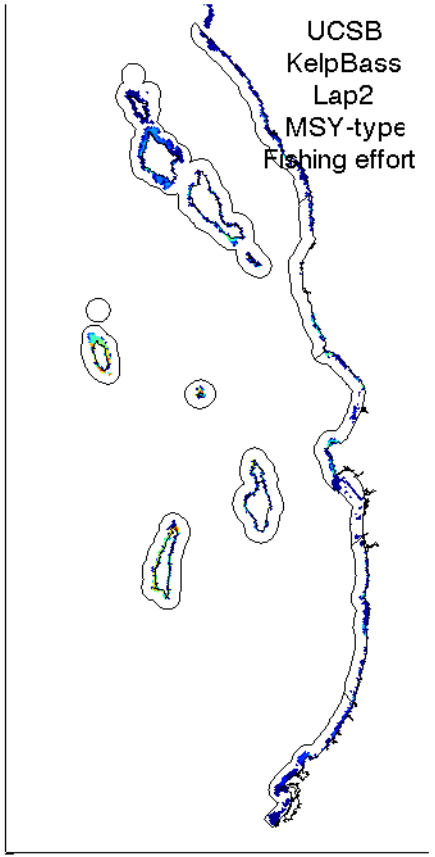

UCSB
KelpBass
Lap2
MSY-type
Biomass

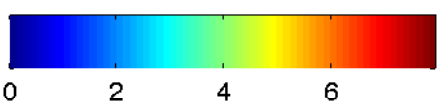

0
0.1
0.2
0.3
0.4
Relative to unfished



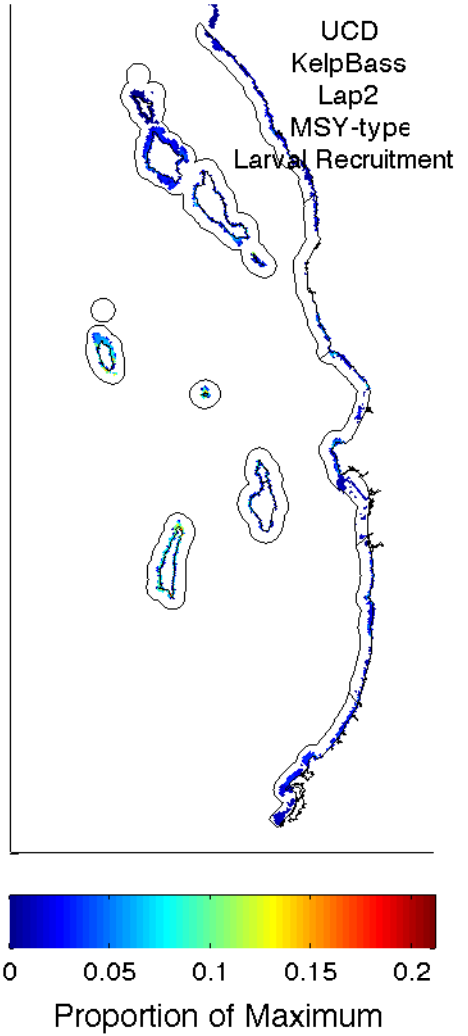


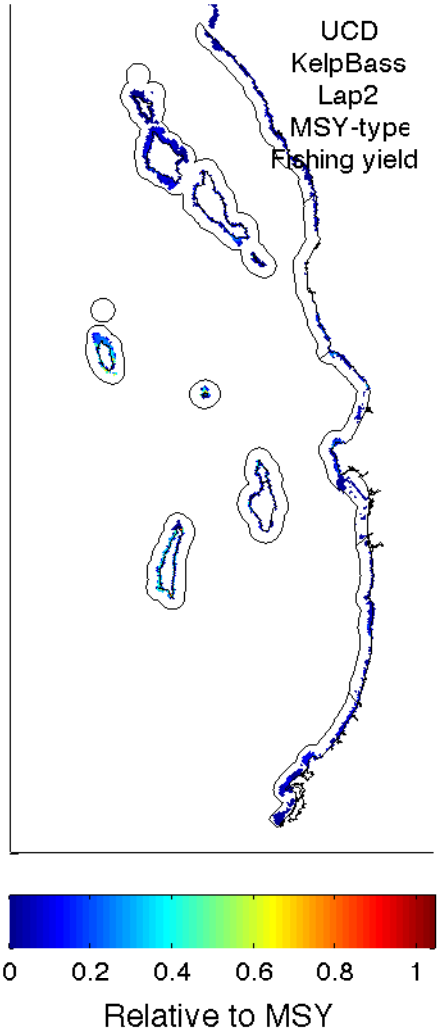
Relative to MSY maximum effort

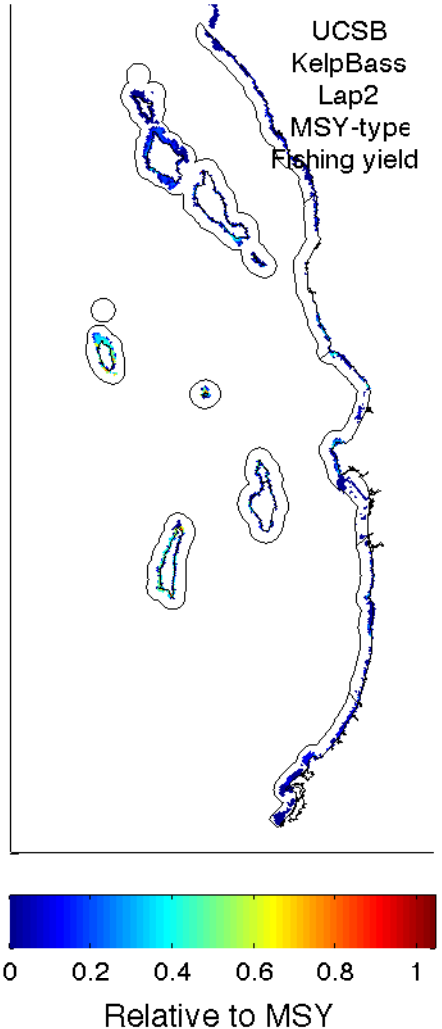


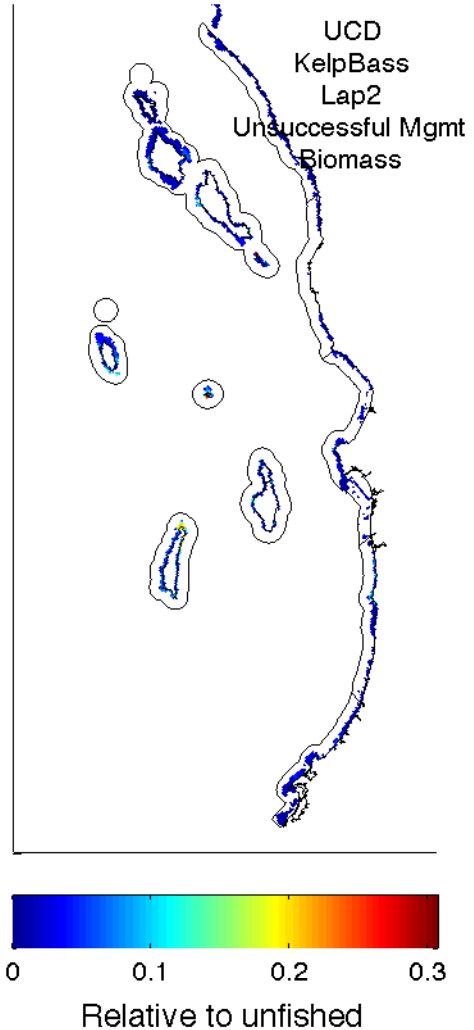


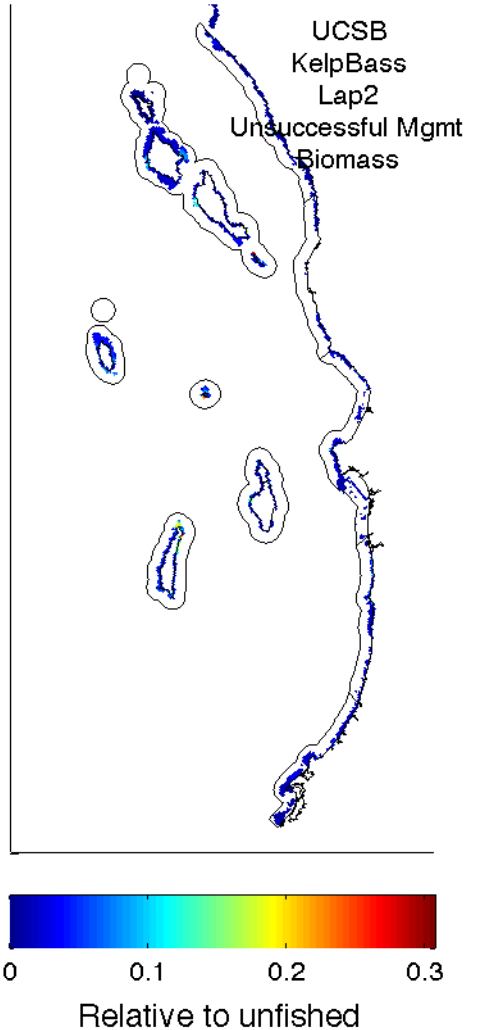
Relative to MSY maximum effort

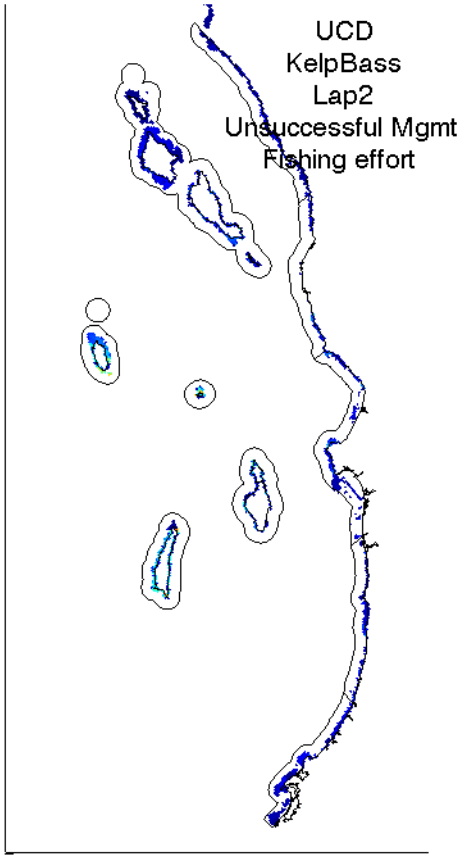

UCD
KelpBass
Lap2
MSY-type
Larval Recruitment
0
0.05
0.1
0.15
0.2
Proportion of Maximum

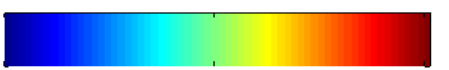

UCD
KelpBass
Lap2
MSY-type
Fishing yield
0
0.2
0.4
0.6
0.8
1
Relative to MSY


UCSB
KelpBass
Lap2
MSY-type
Fishing yield
0
0.2
0.4
0.6
0.8
1
Relative to MSY

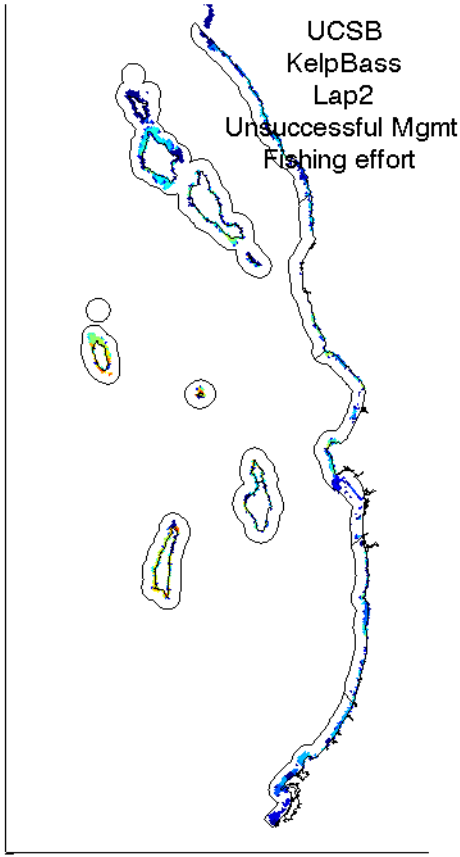

UCD
KelpBass
Lap2
Unsuccessful Mgmt
Biomass
0
0.1
0.2
0.3
Relative to unfished

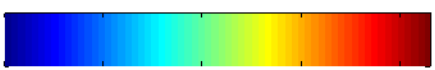

UCSB
KelpBass
Lap2
Unsuccessful Mgmt
Biomass
0
0.1
0.2
0.3
Relative to unfished



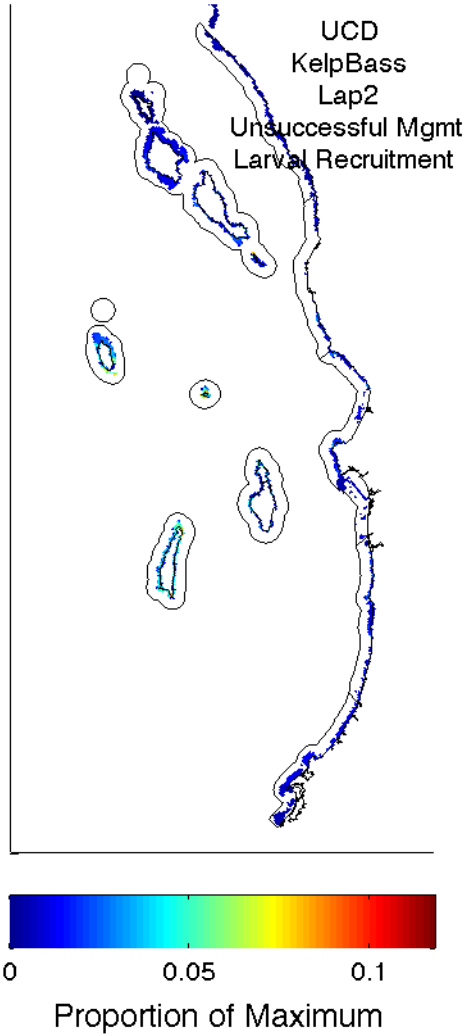


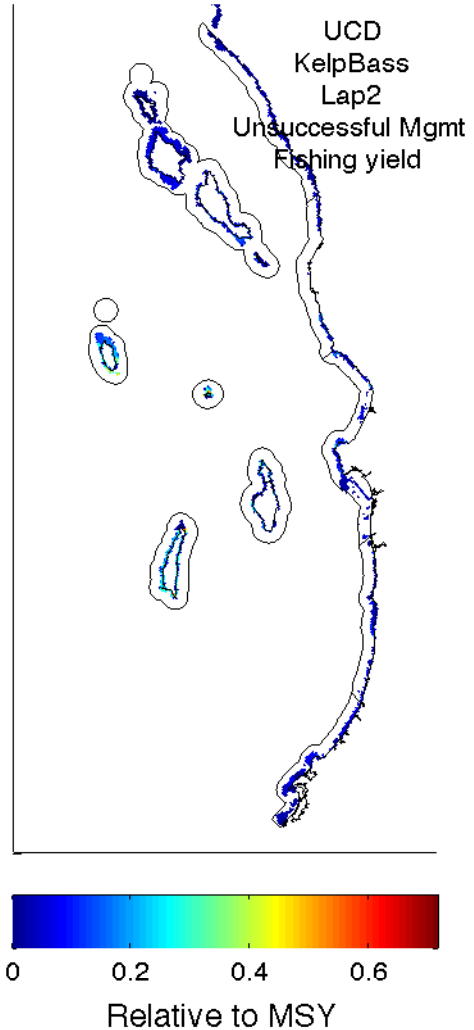
Relative to MSY maximum effort

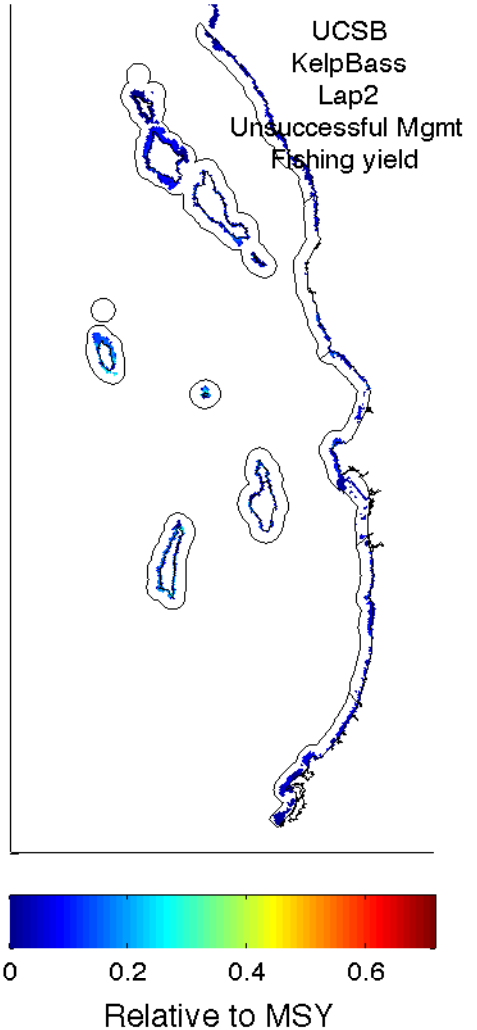


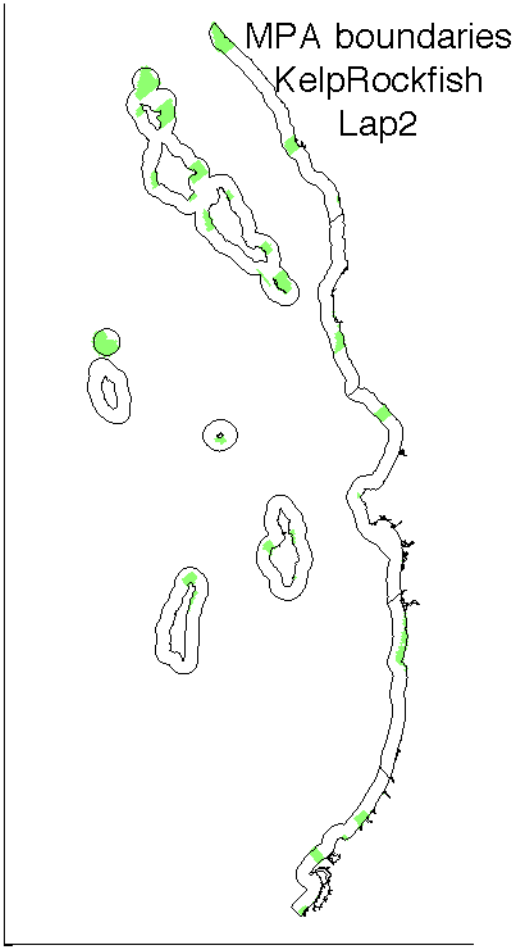


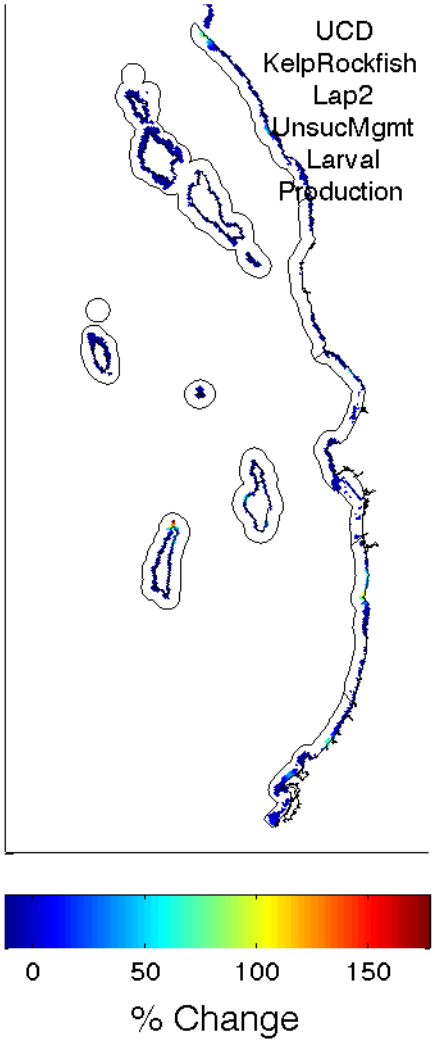
Relative to MSY maximum effort

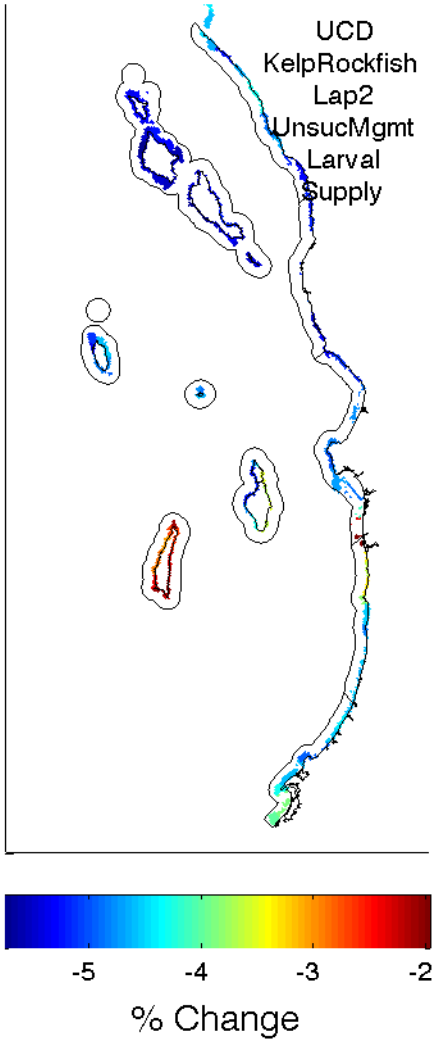

UCD
KelpBass
Lap2
Unsuccessful Mgmt
Larval Recruitment
0
0.05
0.1
Proportion of Maximum

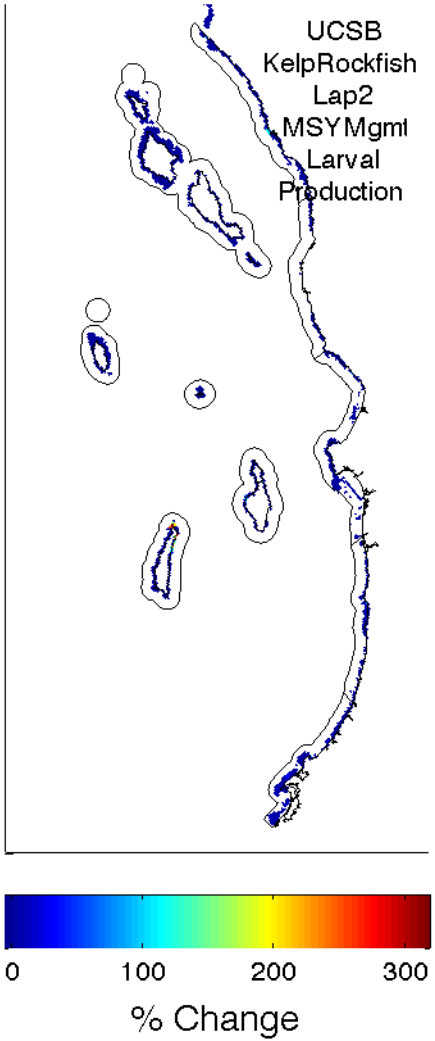

UCD
KelpBass
Lap2
Unsuccessful Mgmt
Fishing yield
0
0.2
0.4
0.6
Relative to MSY

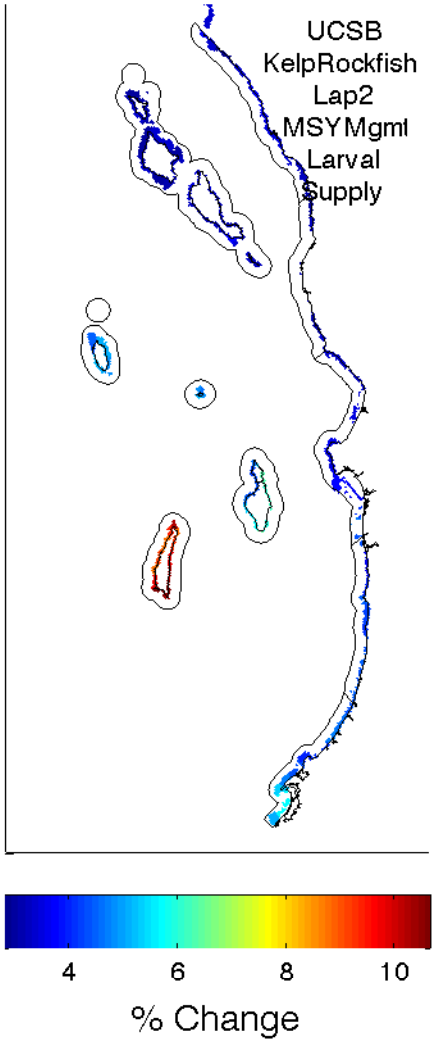

UCSB
KelpBass
Lap2
Unsuccessful Mgmt
Fishing yield
0
0.2
0.4
0.6
Relative to MSY

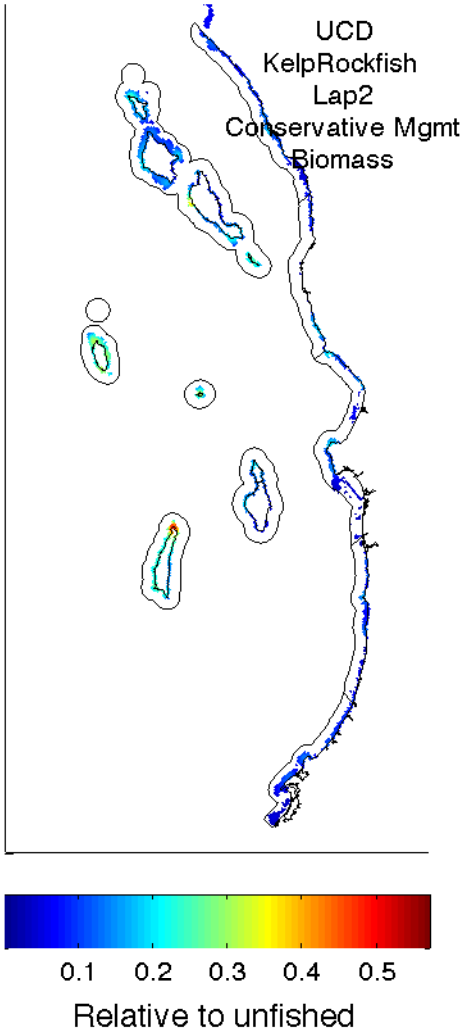

MPA boundaries
KelpRockfish
Lap2

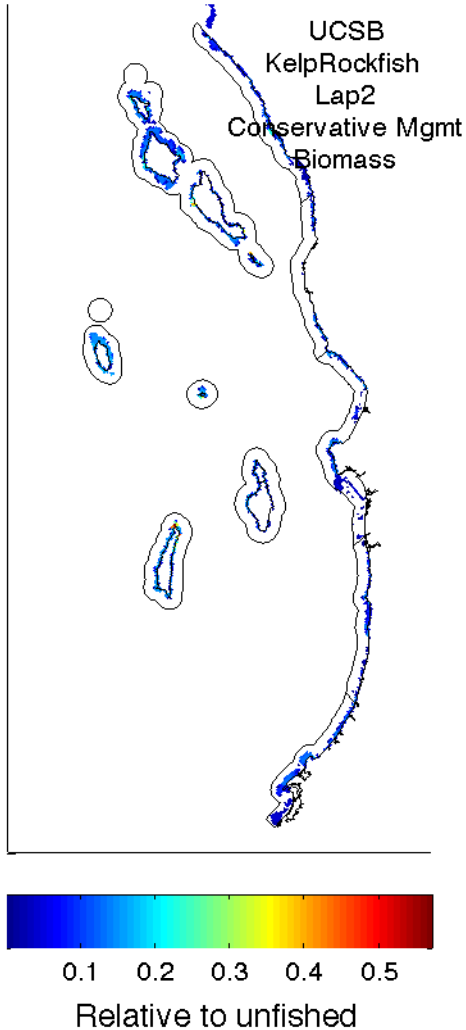

UCD
KelpRockfish
Lap2
UnsucMgmt
Larval
Production
0
50
100
150
% Change

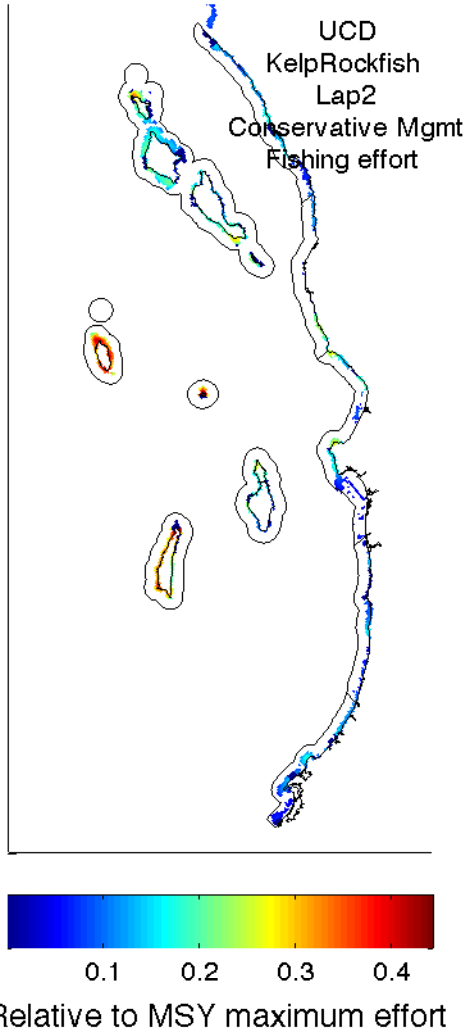

UCD
KelpRockfish
Lap2
UnsucMgmt
Larval
Supply
-5
-4
-3
-2
% Change

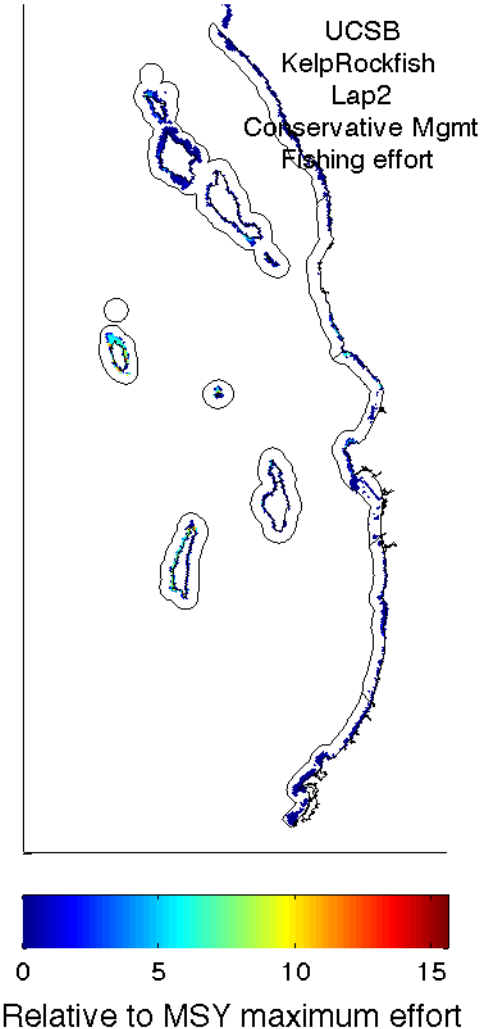

UCSB
KelpRockfish
Lap2
MSYMgmt
Larval
Production
0
100
200
300
% Change

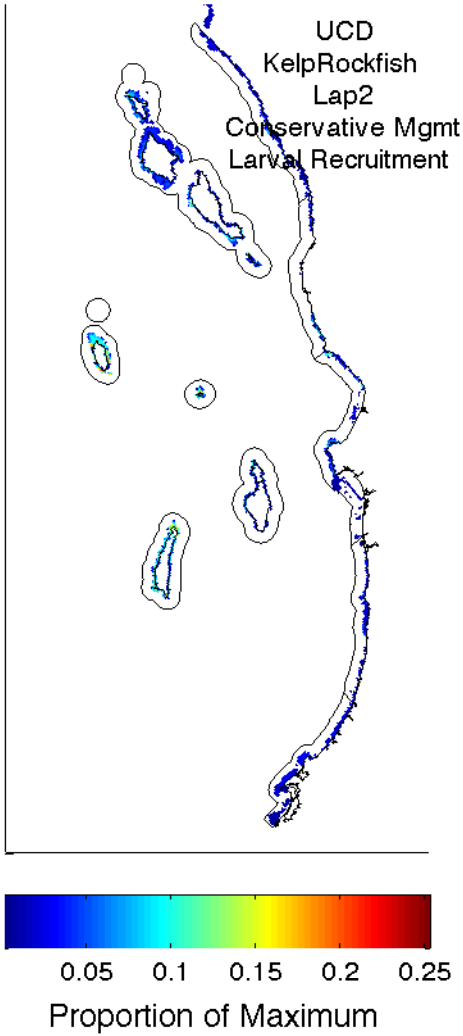

UCSB
KelpRockfish
Lap2
MSYMgmt
Larval
Supply
4
6
8
10
% Change

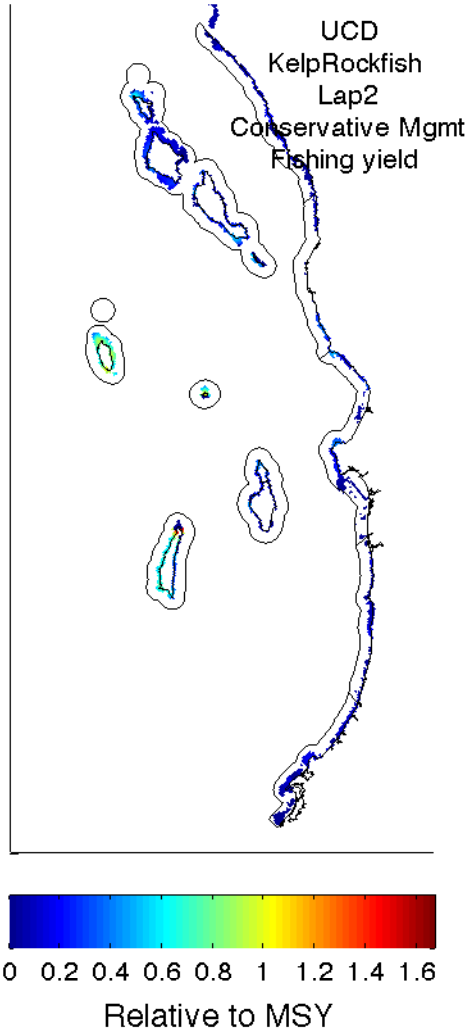

UCD
KelpRockfish
Lap2
Conservative Mgmt
Biomass
0.1
0.2
0.3
0.4
0.5
Relative to unfished

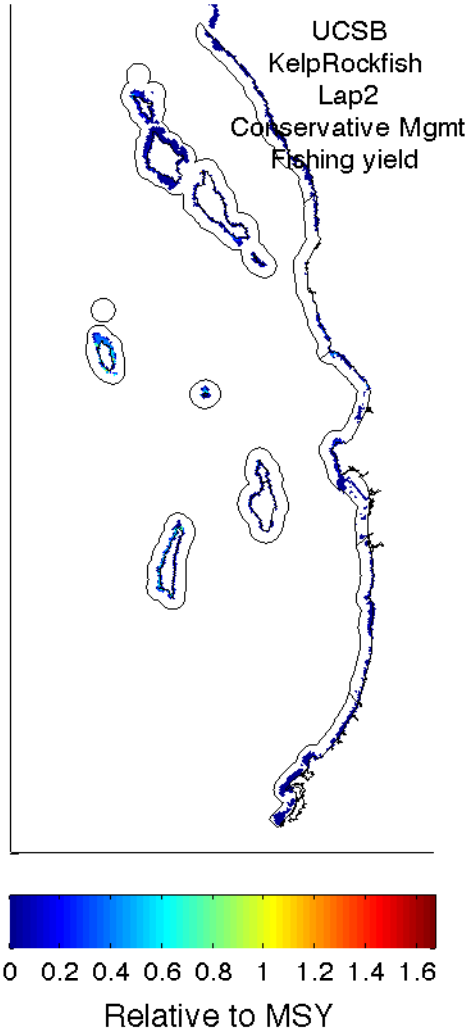

UCSB
KelpRockfish
Lap2
Conservative Mgmt
Biomass
0.1
0.2
0.3
0.4
0.5
Relative to unfished

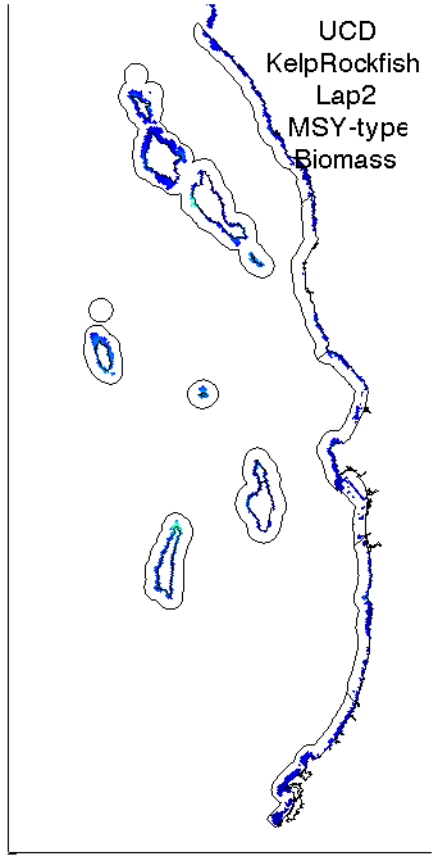

UCD
KelpRockfish
Lap2
Conservative Mgmt
Fishing effort
0.1
0.2
0.3
0.4
Relative to MSY maximum effort

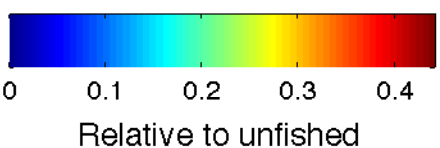

UCSB
KelpRockfish
Lap2
Conservative Mgmt
Fishing effort
0
5
10
15
Relative to MSY maximum effort

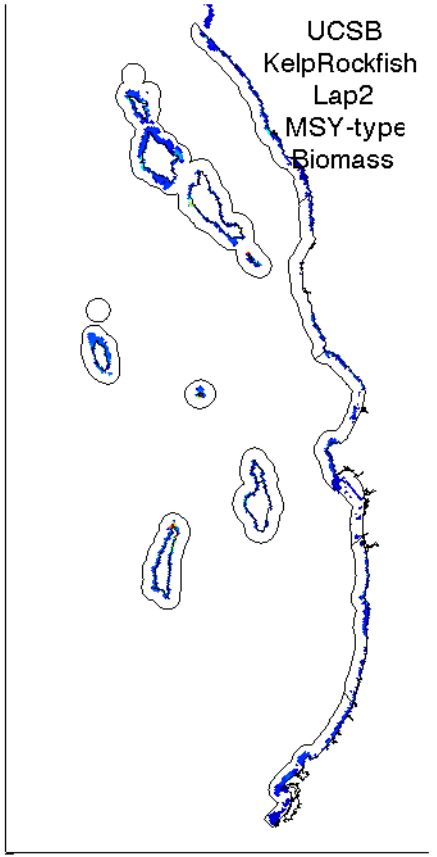

UCD
KelpRockfish
Lap2
Conservative Mgmt
Larval Recruitment
0.05
0.1
0.15
0.2
0.25
Proportion of Maximum

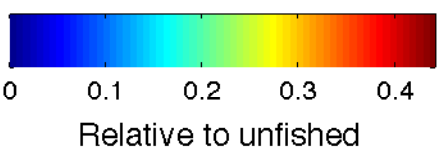

UCD
KelpRockfish
Lap2
Conservative Mgmt
Fishing yield
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6
Relative to MSY

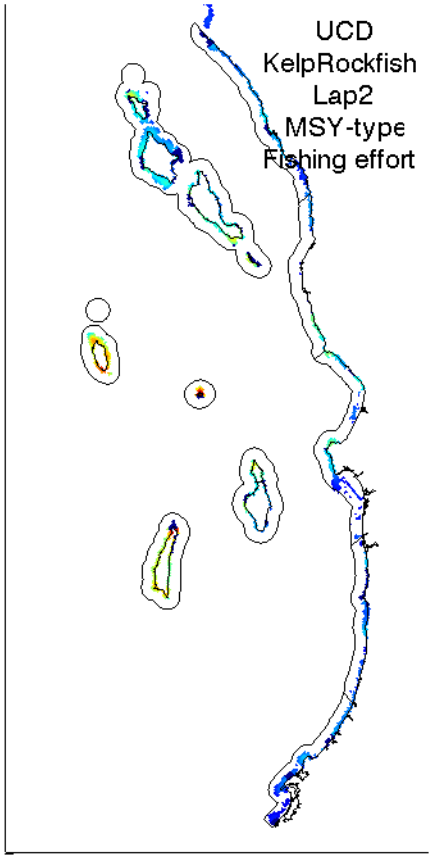

UCSB
KelpRockfish
Lap2
Conservative Mgmt
Fishing yield
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6
Relative to MSY

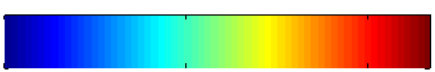

UCD
KelpRockfish
Lap2
MSY-type
Biomass


0
0.1
0.2
0.3
0.4
Relative to unfished

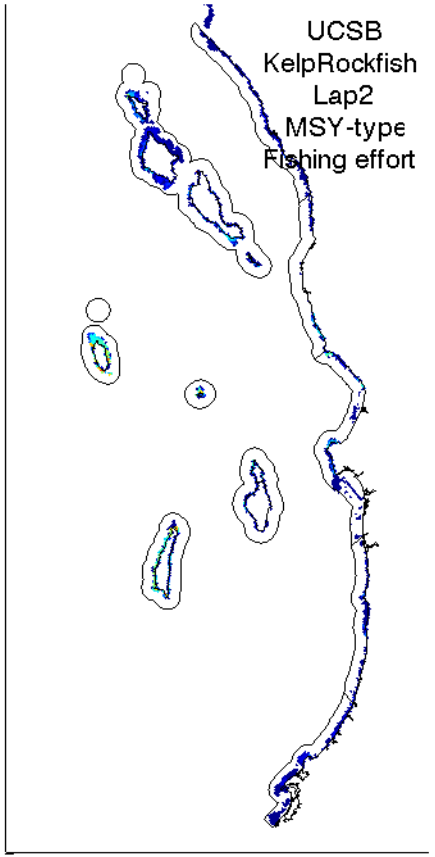

UCSB
KelpRockfish
Lap2
MSY-type
Biomass

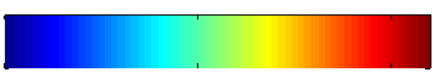

0
0.1
0.2
0.3
0.4
Relative to unfished



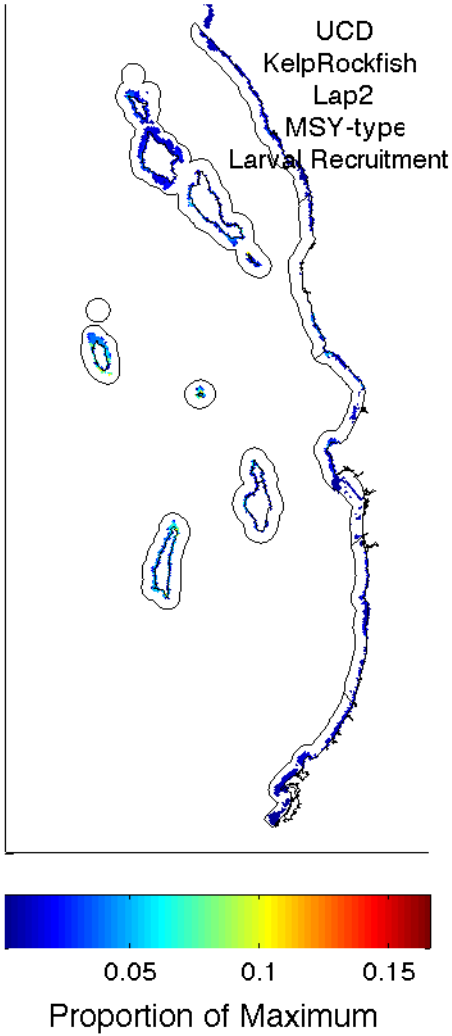


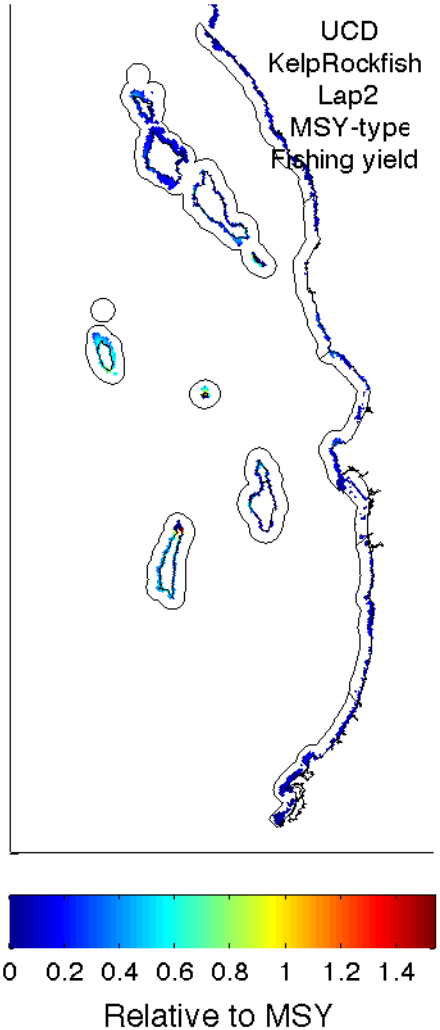
Relative to MSY maximum effort

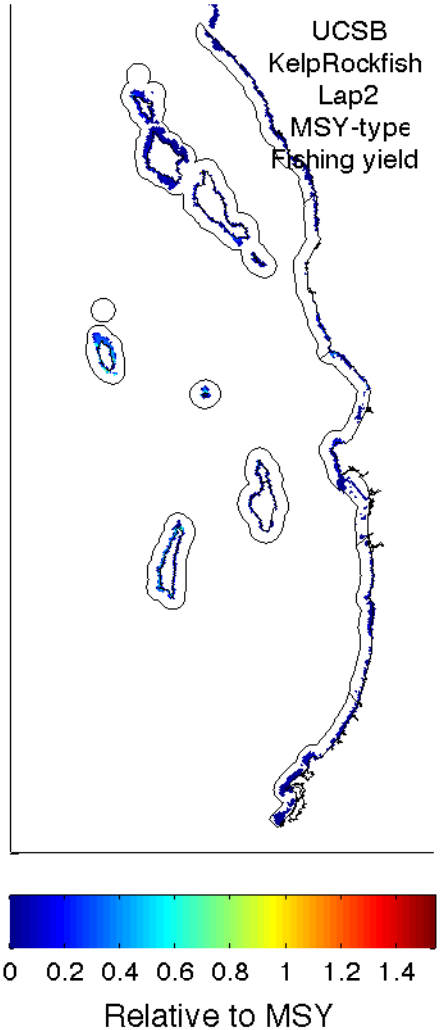


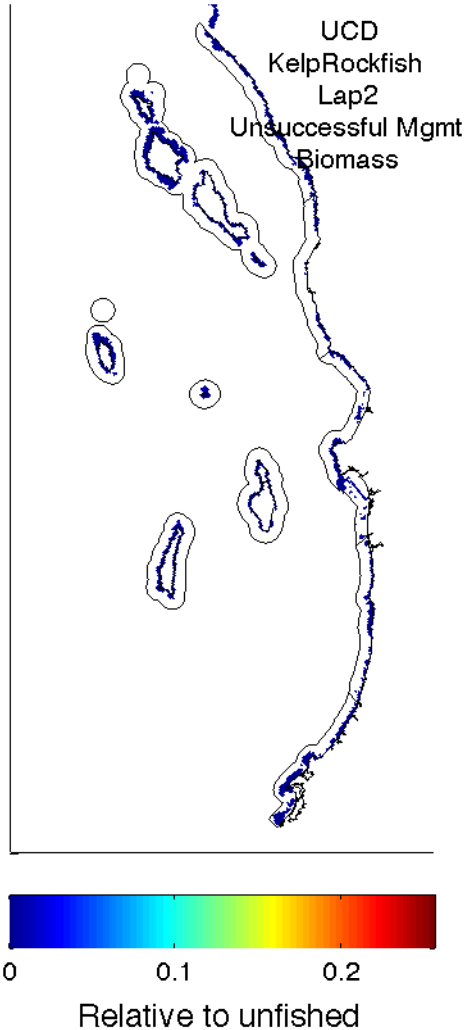


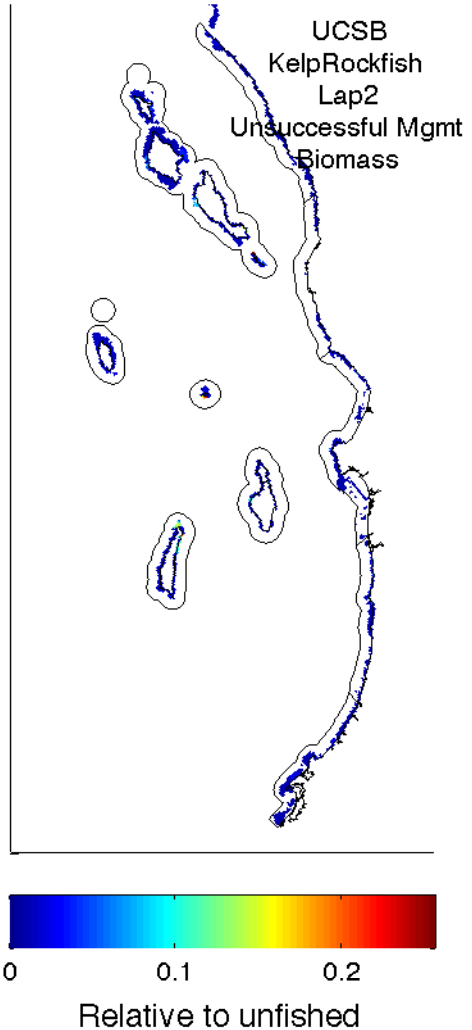
Relative to MSY maximum effort

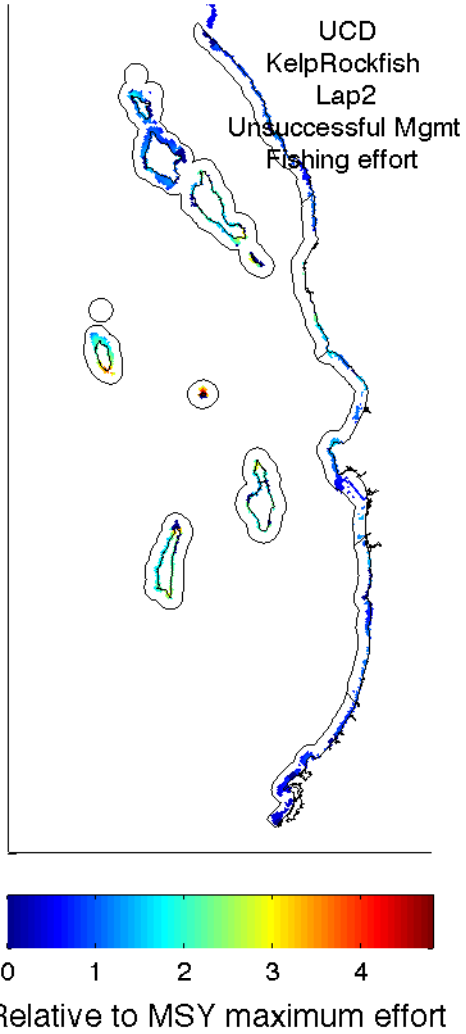

UCD
KelpRockfish
Lap2
MSY-type
Larval Recruitment
0.05
0.1
0.15
Proportion of Maximum

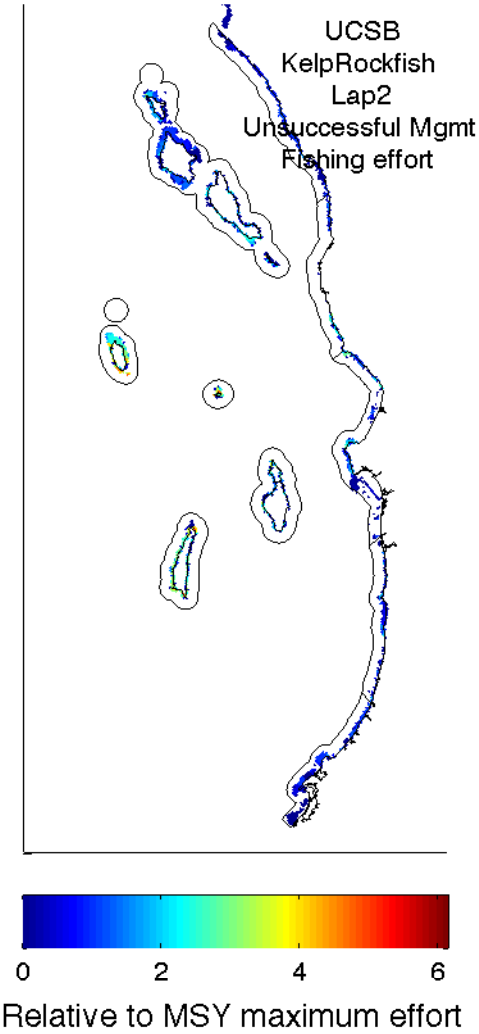

UCD
KelpRockfish
Lap2
MSY-type
Fishing yield
0 0.2 0.4 0.6 0.8 1 1.2 1.4
Relative to MSY

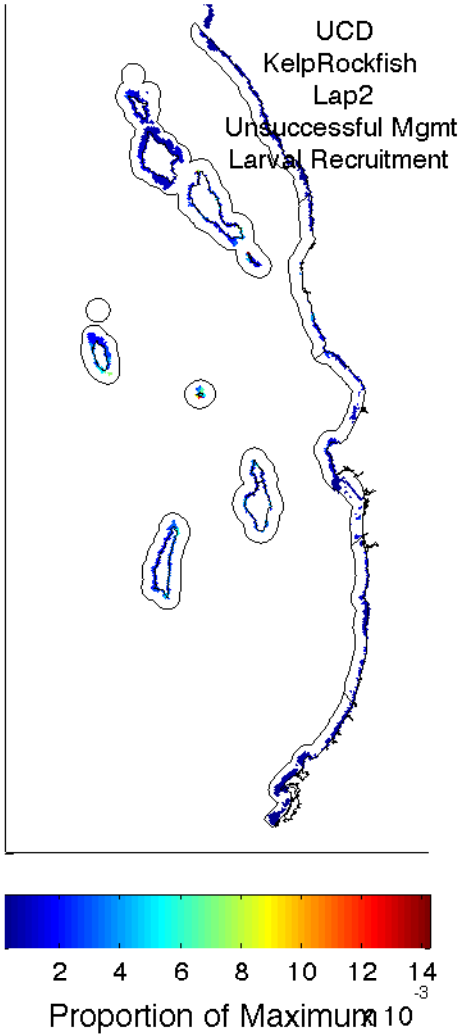

UCSB
KelpRockfish
Lap2
MSY-type
Fishing yield
0 0.2 0.4 0.6 0.8 1 1.2 1.4
Relative to MSY

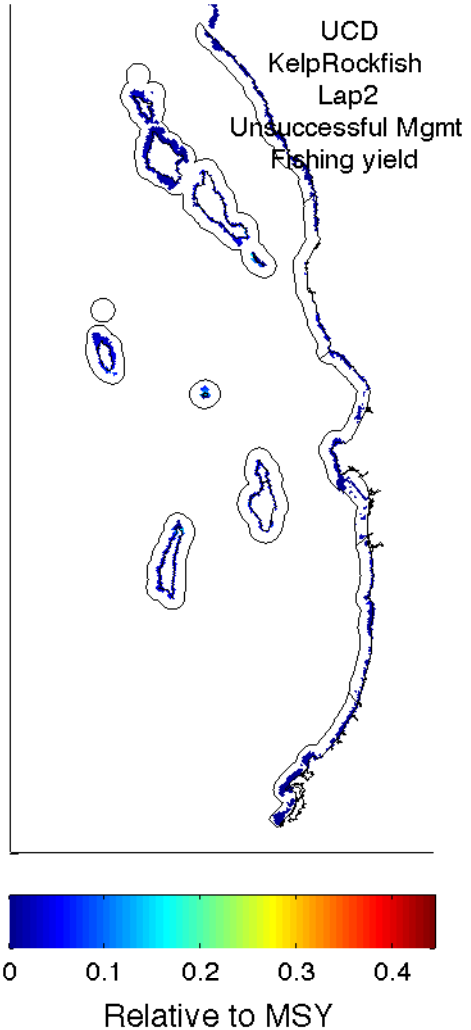

UCD
KelpRockfish
Lap2
Unsuccessful Mgmt
Biomass
0
0.1
0.2
Relative to unfished

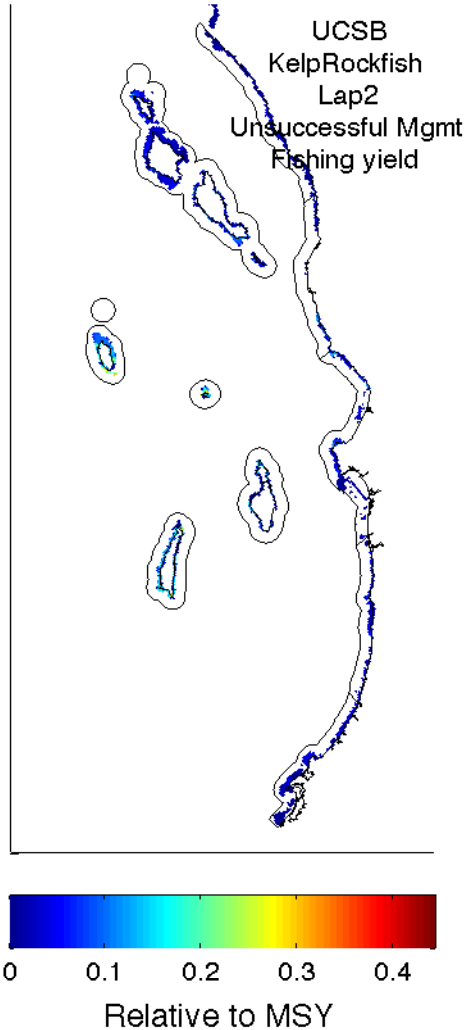

UCSB
KelpRockfish
Lap2
Unsuccessful Mgmt
Biomass
0
0.1
0.2
Relative to unfished

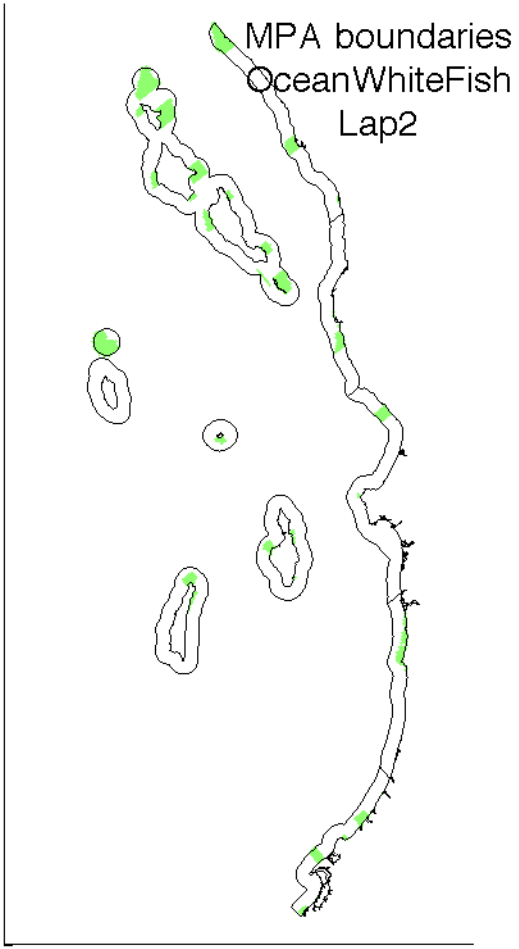

UCD
KelpRockfish
Lap2
Unsuccessful Mgmt
Fishing effort
0
1
2
3
4
Relative to MSY maximum effort

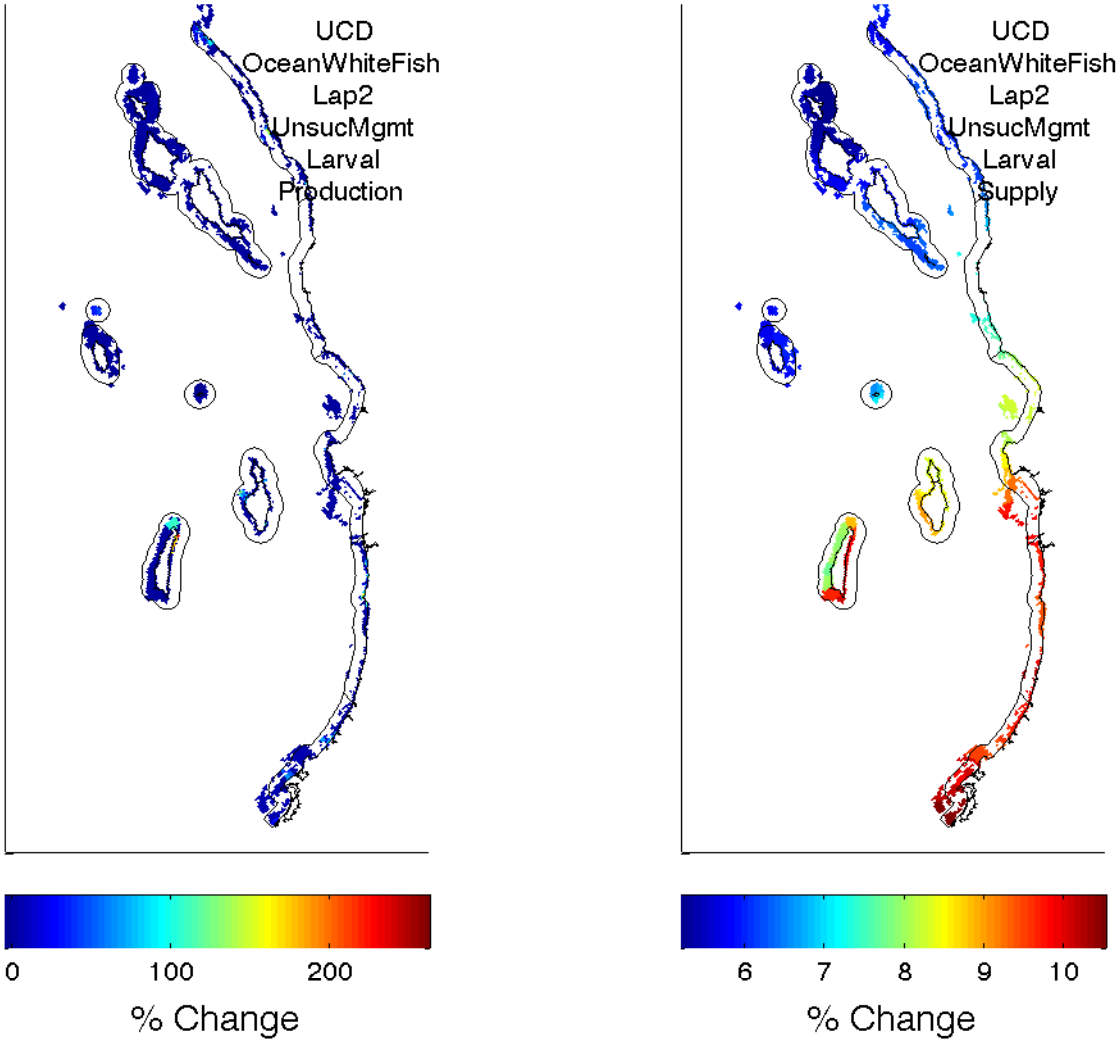

UCSB
KelpRockfish
Lap2
Unsuccessful Mgmt
Fishing effort
0
2
4
6
Relative to MSY maximum effort

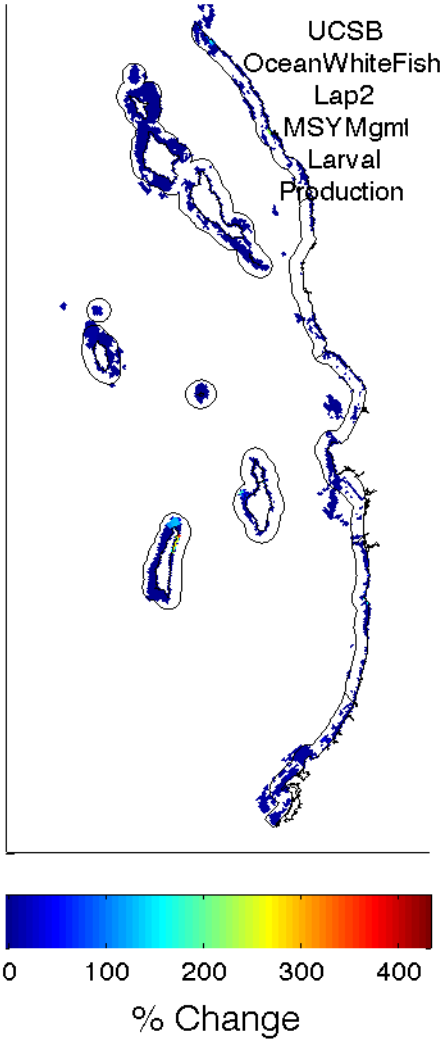

UCD
KelpRockfish
Lap2
Unsuccessful Mgmt
Larval Recruitment
2
4
6
8
10
12
14
Proportion of Maximum
x 10
-3

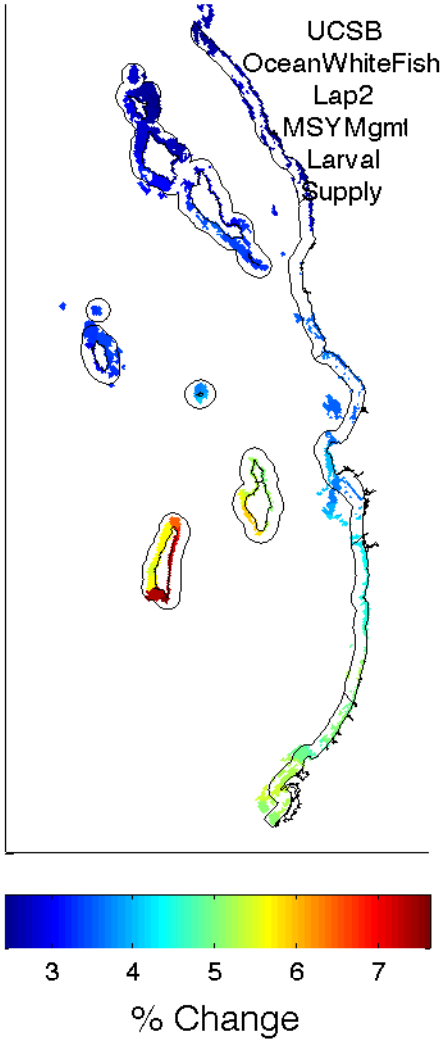

UCD
KelpRockfish
Lap2
Unsuccessful Mgmt
Fishing yield
0
0.1
0.2
0.3
0.4
Relative to MSY

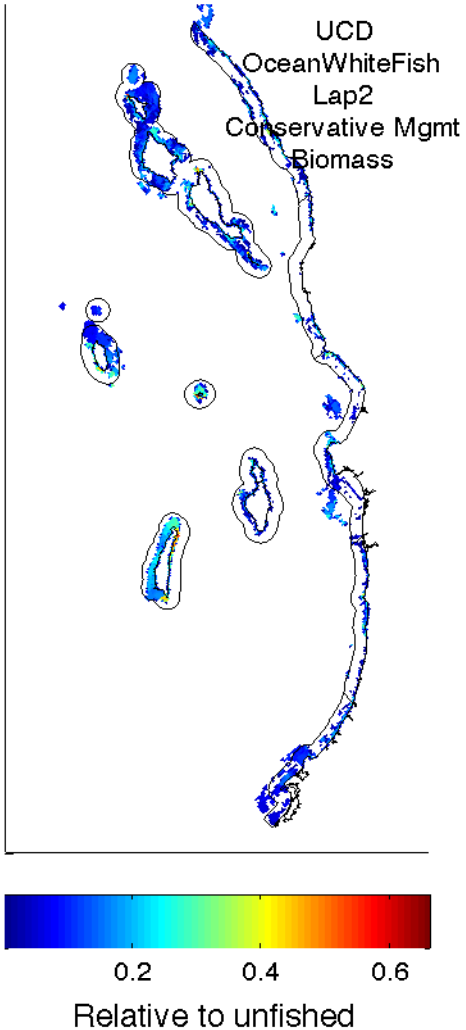

UCSB
KelpRockfish
Lap2
Unsuccessful Mgmt
Fishing yield
0
0.1
0.2
0.3
0.4
Relative to MSY

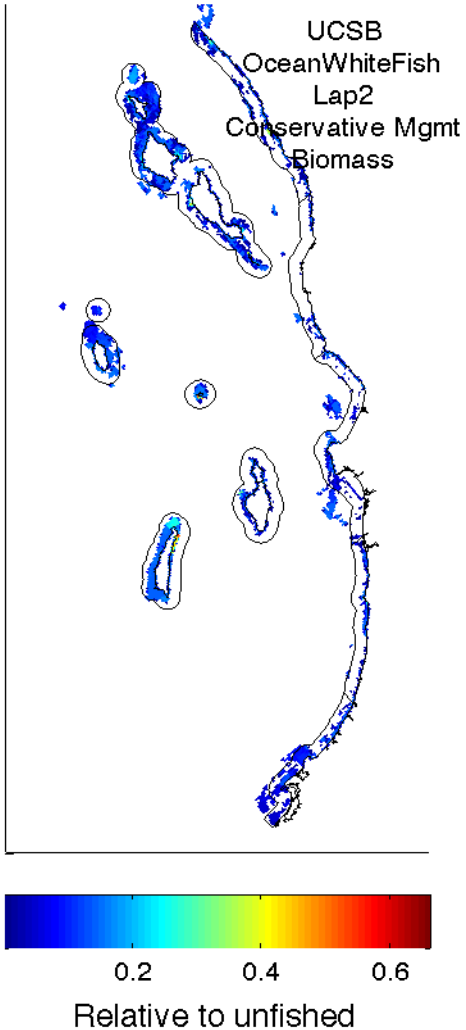

MPA boundaries
OceanWhiteFish
Lap2

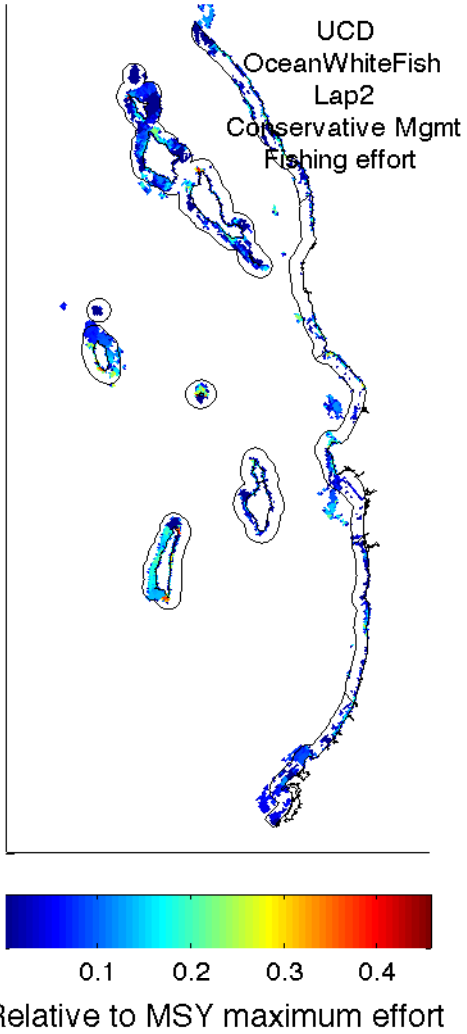

UCD
OceanWhiteFish
Lap2
UnsucMgmt
Larval
Production
0
100
200
% Change
UCD
OceanWhiteFish
Lap2
UnsucMgmt
Larval
Supply
6
7
8
9
10
% Change

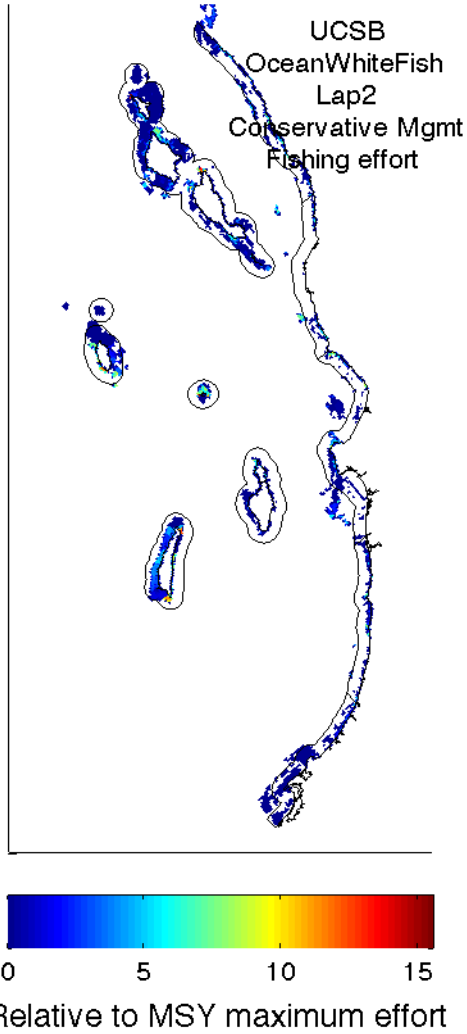

UCSB
OceanWhiteFish
Lap2
MSYMgmt
Larval
Production
0
100
200
300
400
% Change

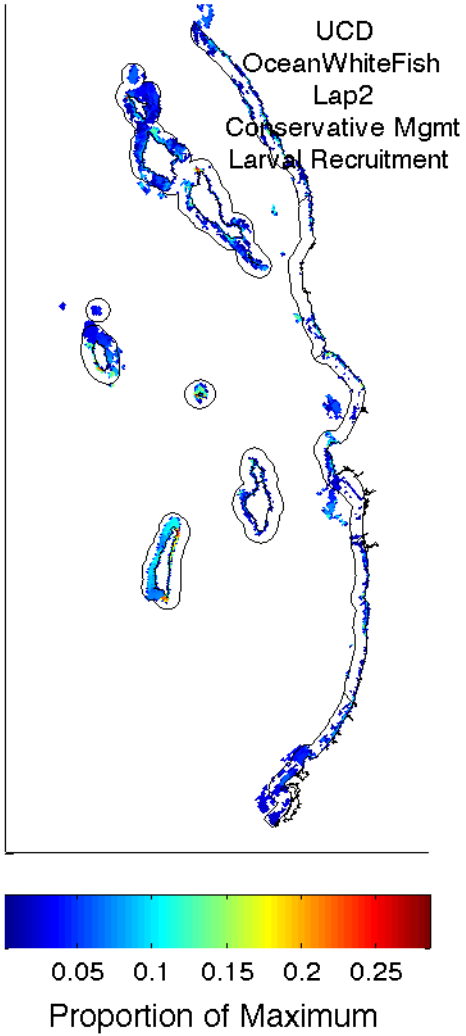

UCSB
OceanWhiteFish
Lap2
MSYMgmt
Larval
Supply
3
4
5
6
7
% Change

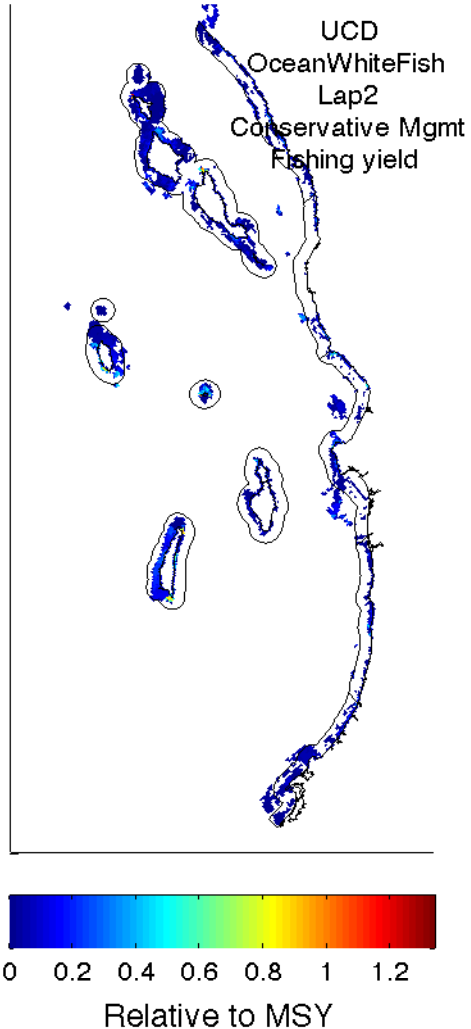

UCD
OceanWhiteFish
Lap2
Conservative Mgmt
Biomass
0.2
0.4
0.6
Relative to unfished

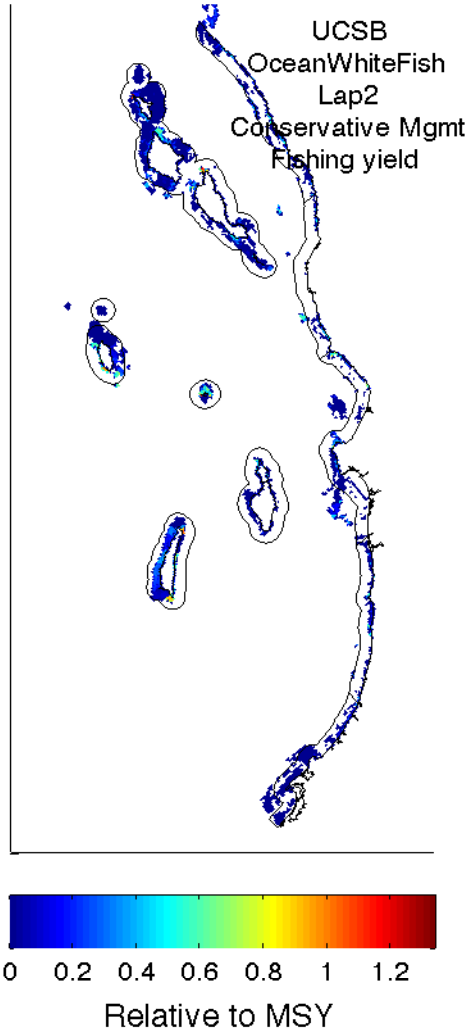

UCSB
OceanWhiteFish
Lap2
Conservative Mgmt
Biomass
0.2
0.4
0.6
Relative to unfished

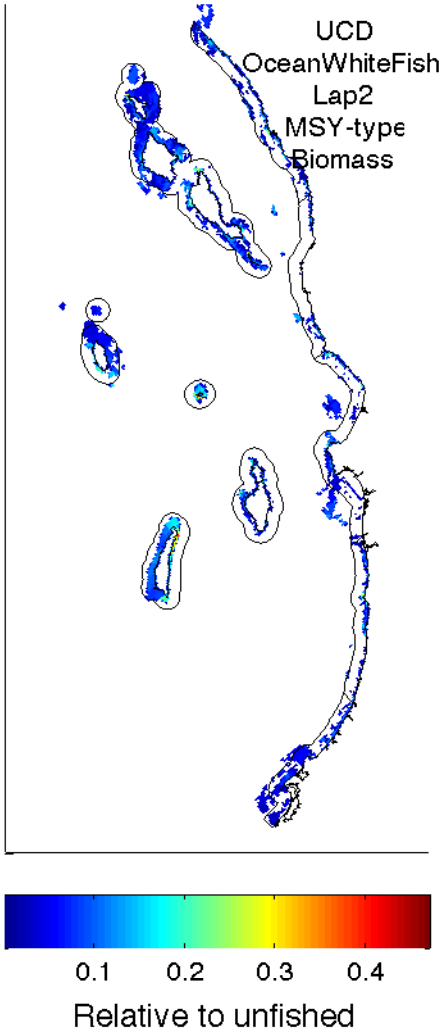

UCD
OceanWhiteFish
Lap2
Conservative Mgmt
Fishing effort
0.1
0.2
0.3
0.4
Relative to MSY maximum effort

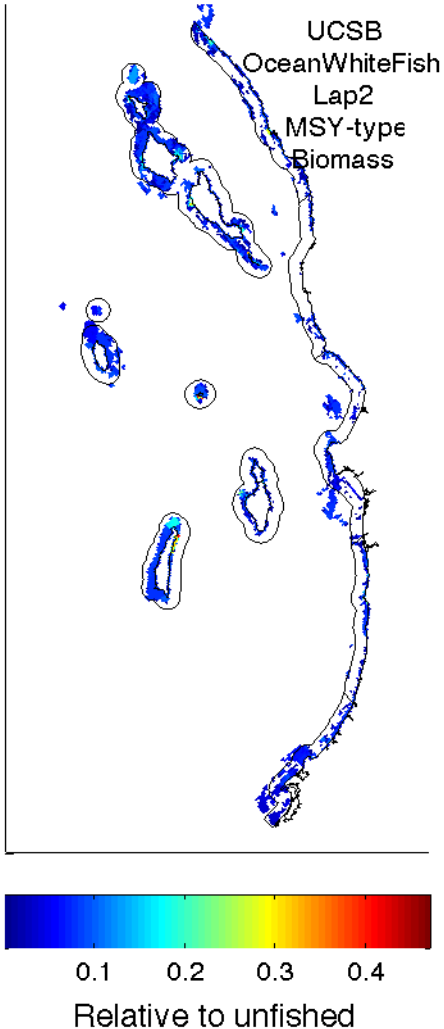

UCSB
OceanWhiteFish
Lap2
Conservative Mgmt
Fishing effort
0
5
10
15
Relative to MSY maximum effort

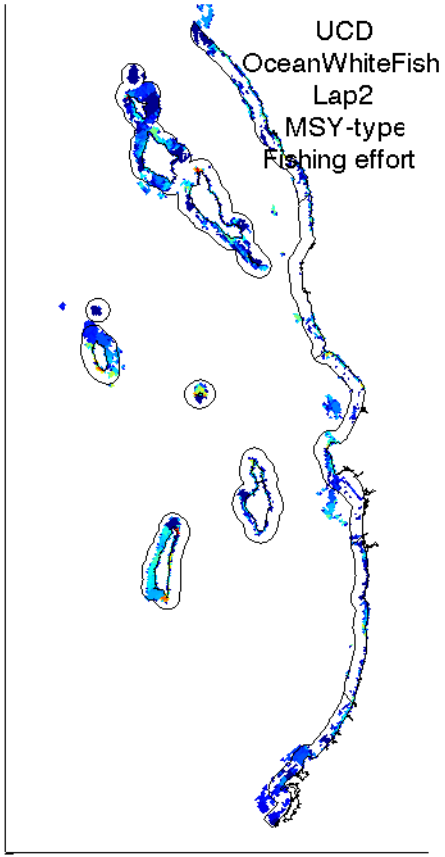

UCD
OceanWhiteFish
Lap2
Conservative Mgmt
Larval Recruitment
0.05
0.1
0.15
0.2
0.25
Proportion of Maximum

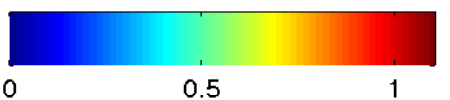

UCD
OceanWhiteFish
Lap2
Conservative Mgmt
Fishing yield
0 0.2 0.4 0.6 0.8 1 1.2
Relative to MSY


UCSB
OceanWhiteFish
Lap2
Conservative Mgmt
Fishing yield
0 0.2 0.4 0.6 0.8 1 1.2
Relative to MSY

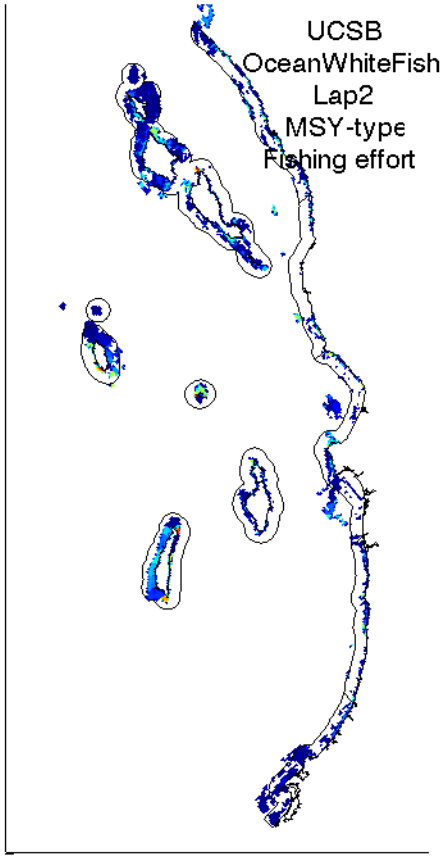

UCD
OceanWhiteFish
Lap2
MSY-type
Biomass
0.1
0.2
0.3
0.4
Relative to unfished

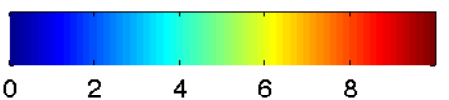

UCSB
OceanWhiteFish
Lap2
MSY-type
Biomass
0.1
0.2
0.3
0.4
Relative to unfished



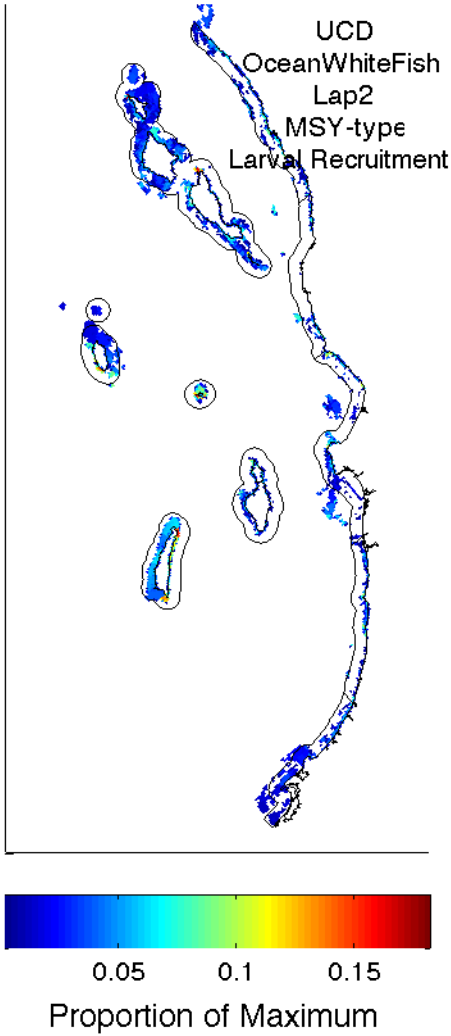


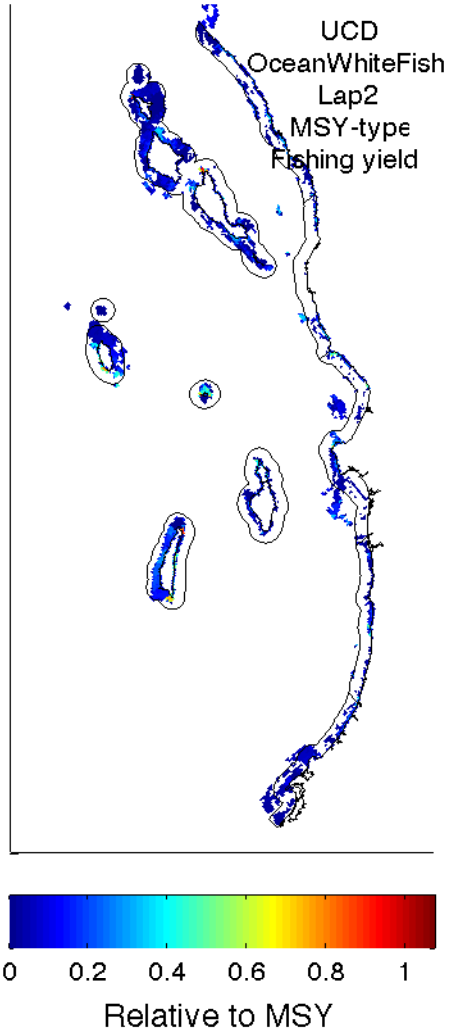
Relative to MSY maximum effort

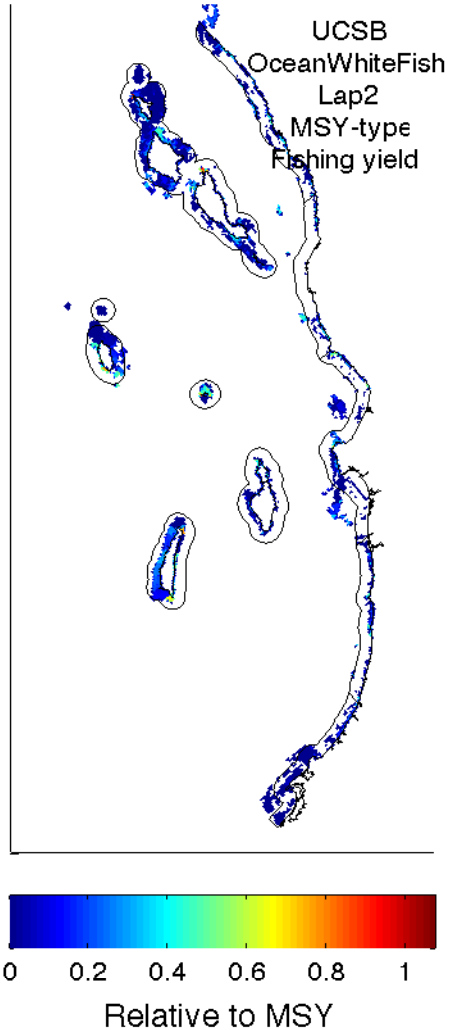


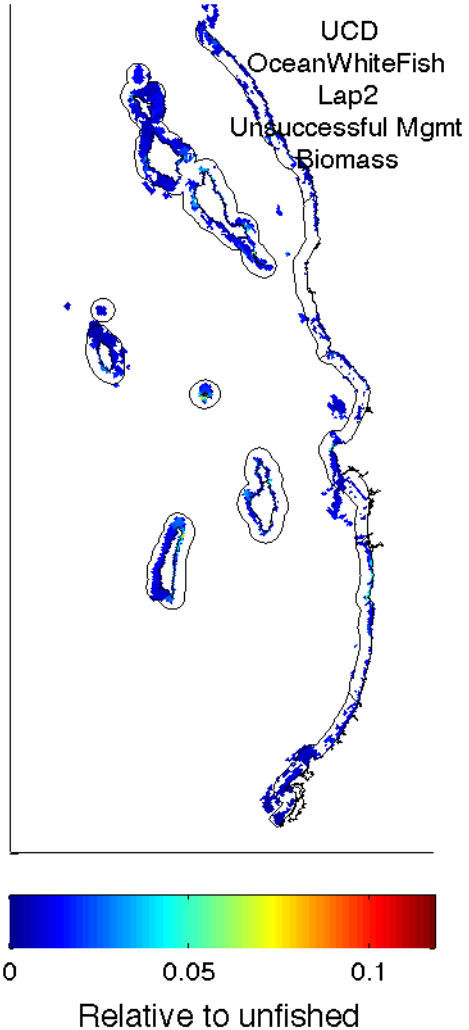


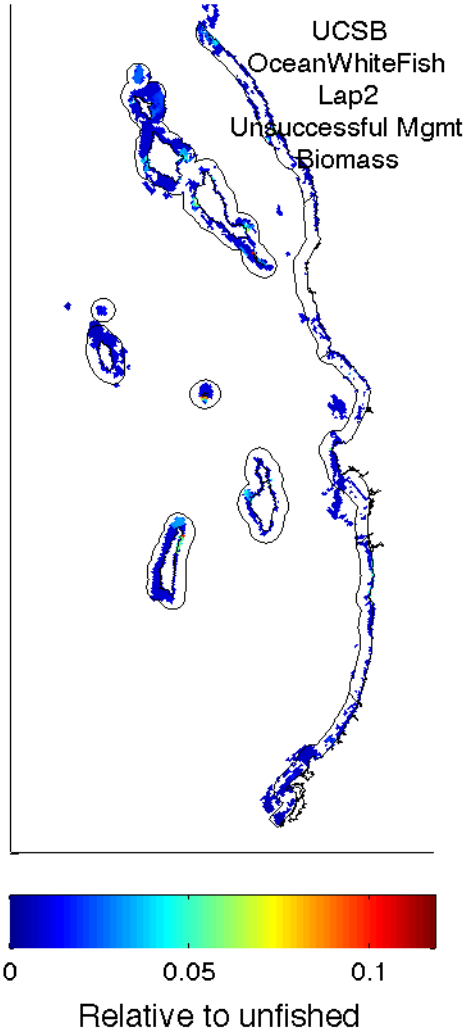
Relative to MSY maximum effort

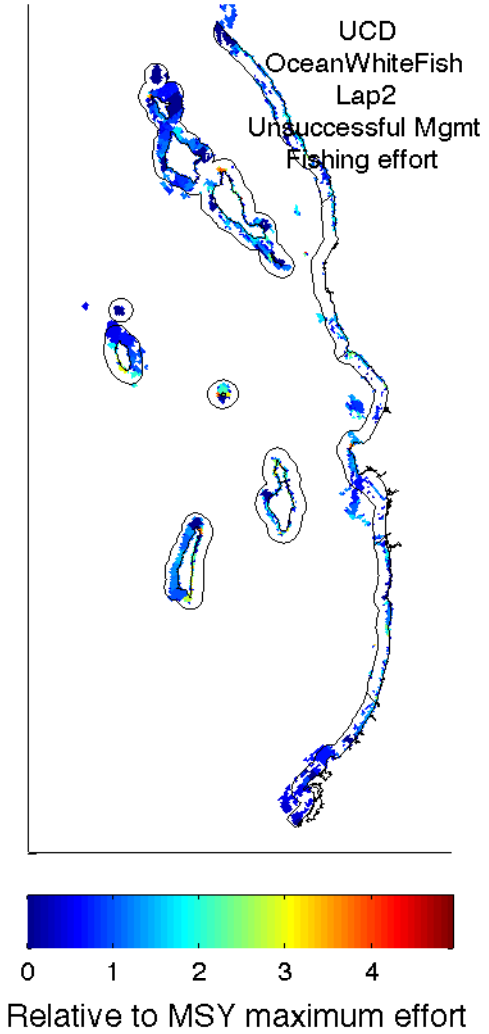

UCD
OceanWhiteFish
Lap2
MSY-type
Larval Recruitment
0.05
0.1
0.15
Proportion of Maximum

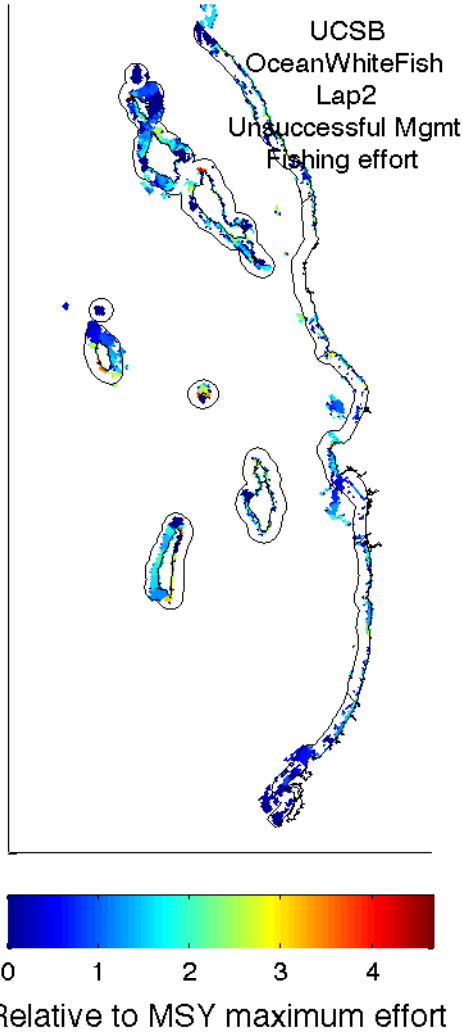

UCD
OceanWhiteFish
Lap2
MSY-type
Fishing yield
0
0.2
0.4
0.6
0.8
1
Relative to MSY

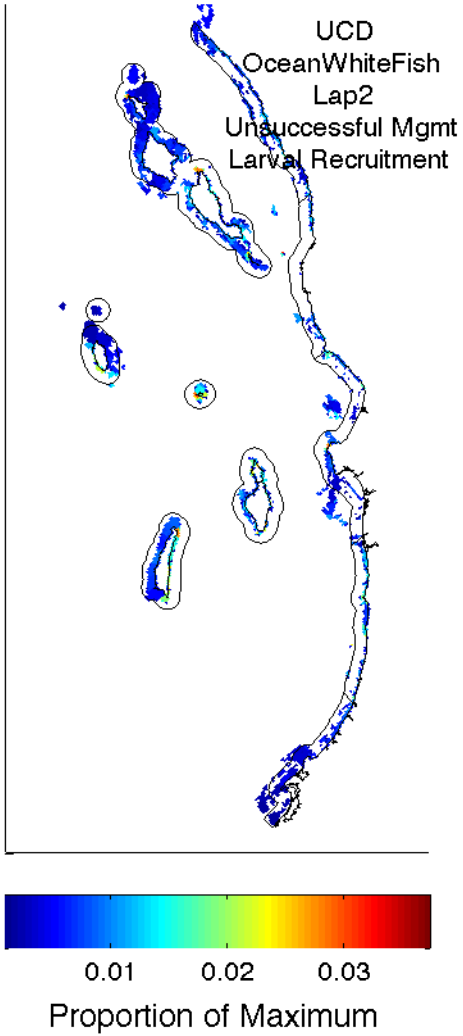

UCSB
OceanWhiteFish
Lap2
MSY-type
Fishing yield
0
0.2
0.4
0.6
0.8
1
Relative to MSY

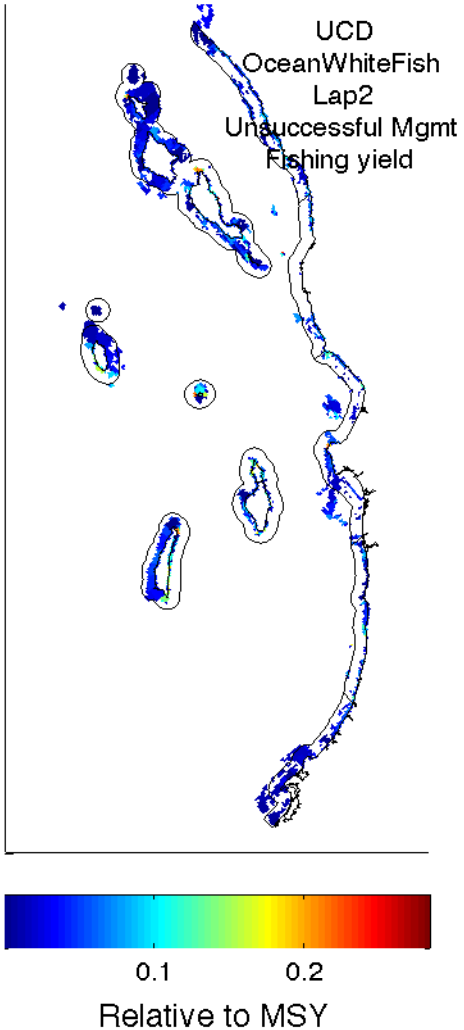

UCD
OceanWhiteFish
Lap2
Unsuccessful Mgmt
Biomass
0
0.05
0.1
Relative to unfished

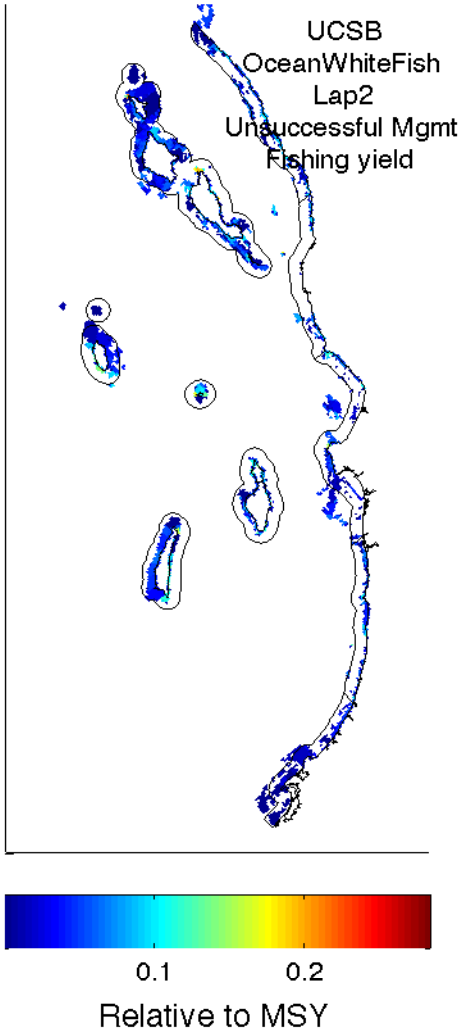

UCSB
OceanWhiteFish
Lap2
Unsuccessful Mgmt
Biomass
0
0.05
0.1
Relative to unfished

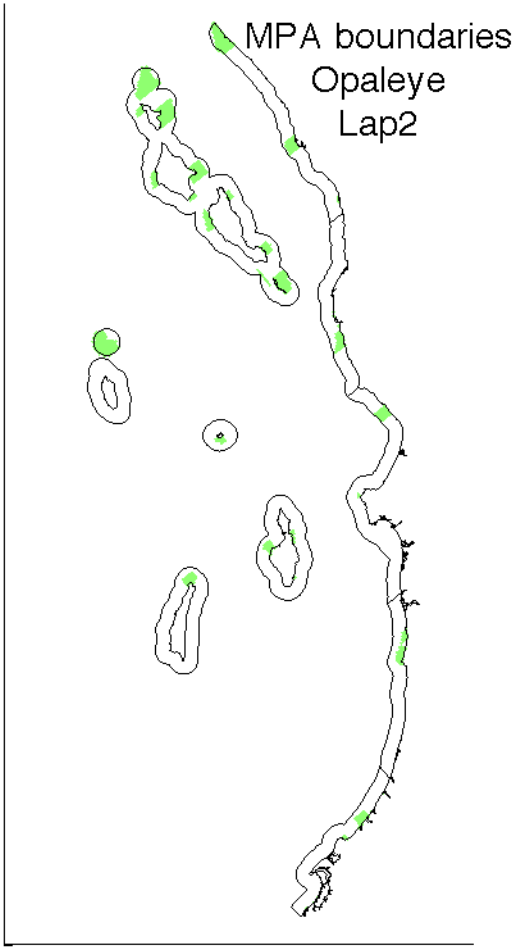

UCD
OceanWhiteFish
Lap2
Unsuccessful Mgmt
Fishing effort
0
1
2
3
4
Relative to MSY maximum effort

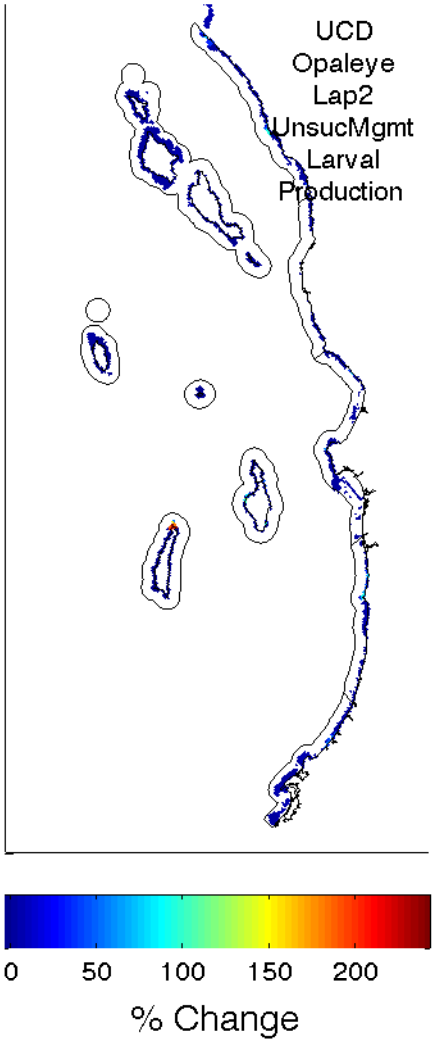

UCSB
OceanWhiteFish
Lap2
Unsuccessful Mgmt
Fishing effort
0
1
2
3
4
Relative to MSY maximum effort

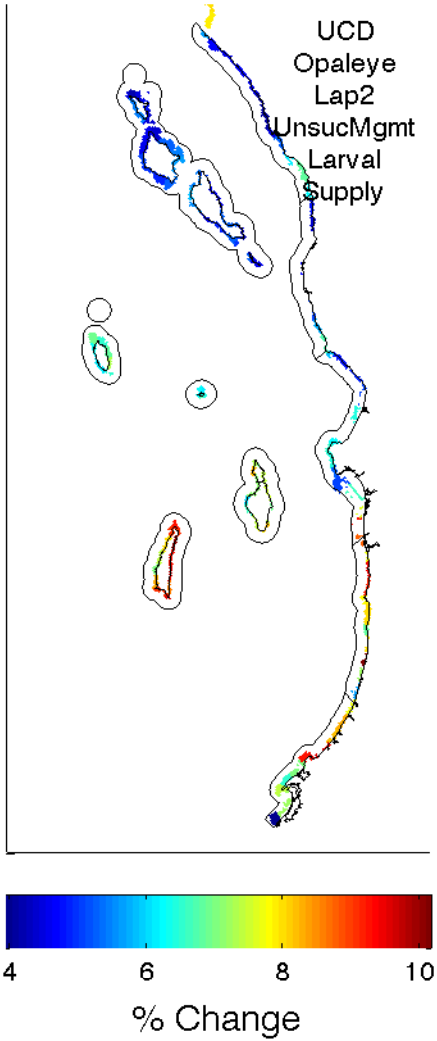

UCD
OceanWhiteFish
Lap2
Unsuccessful Mgmt
Larval Recruitment
0.01
0.02
0.03
Proportion of Maximum

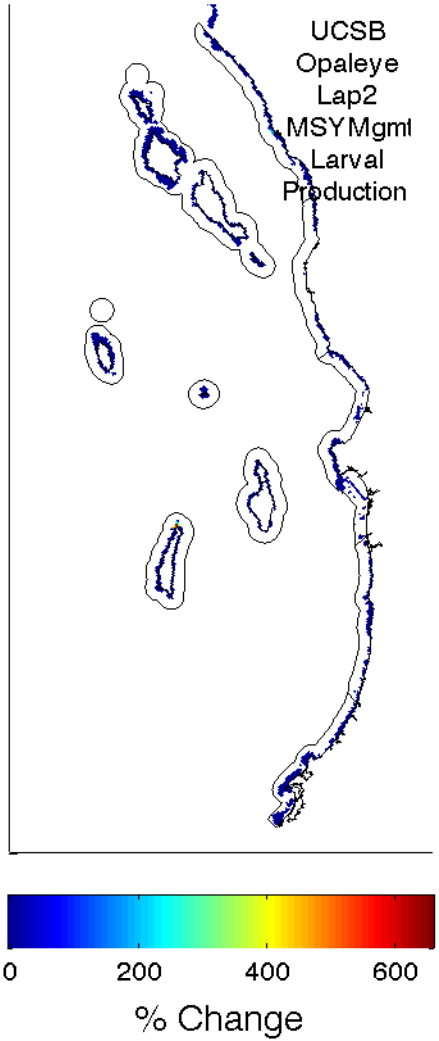

UCD
OceanWhiteFish
Lap2
Unsuccessful Mgmt
Fishing yield
0.1
0.2
Relative to MSY

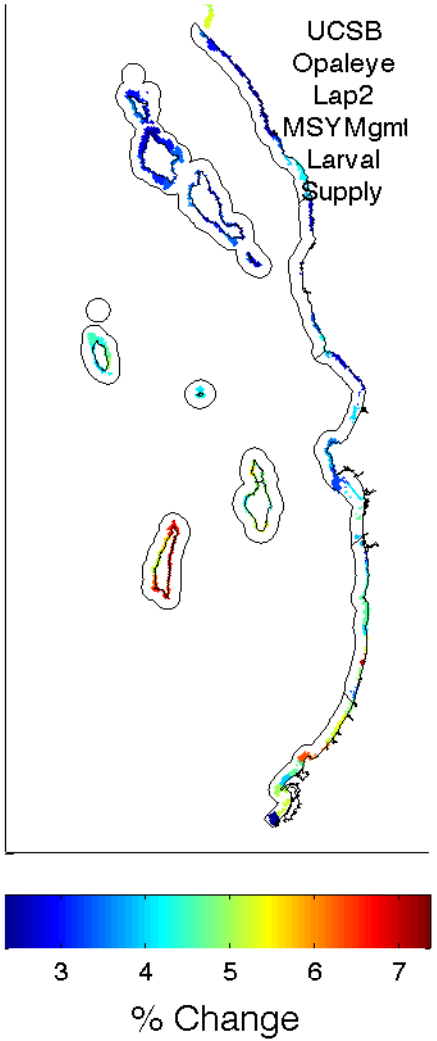

UCSB
OceanWhiteFish
Lap2
Unsuccessful Mgmt
Fishing yield
0.1
0.2
Relative to MSY

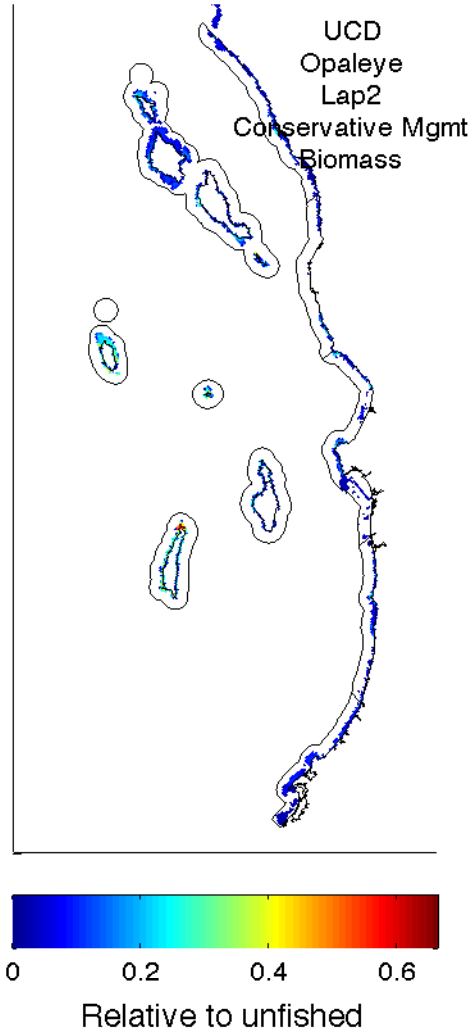

MPA boundaries
Opaleye
Lap2

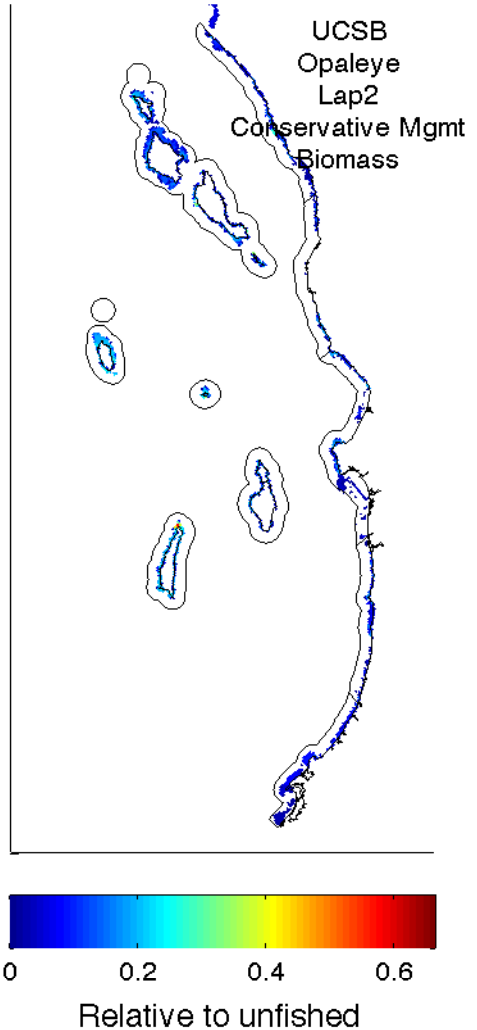

UCD
Opaleye
Lap2
UnsucMgmt
Larval
Production
0
50
100
150
200
% Change

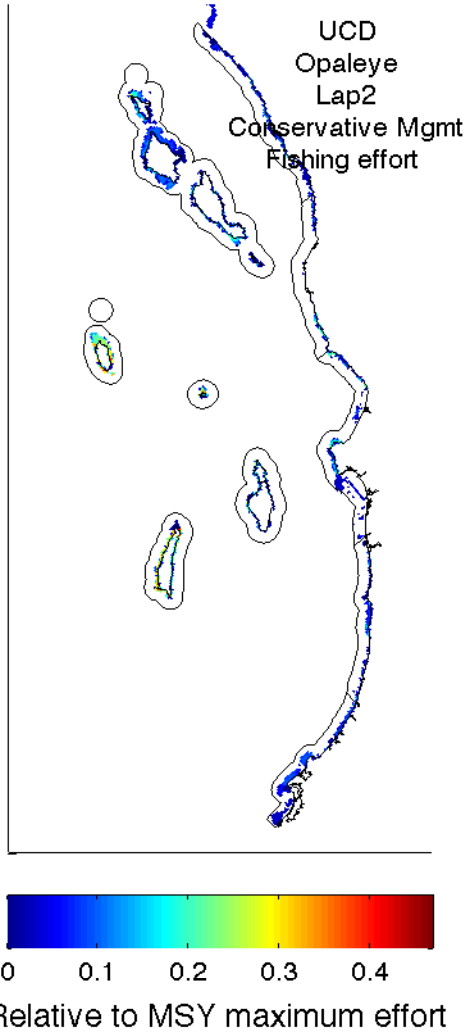

UCD
Opaleye
Lap2
UnsucMgmt
Larval
Supply
4
6
8
10
% Change

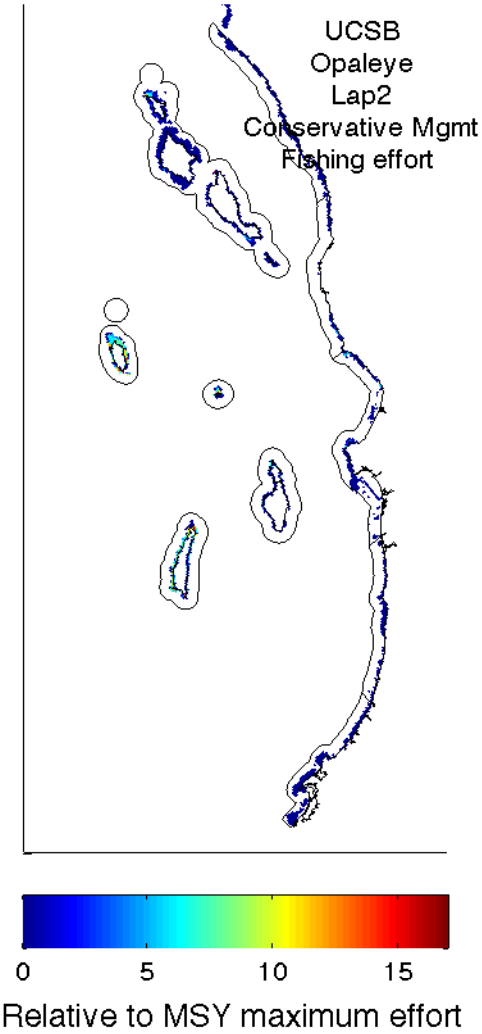

UCSB
Opaleye
Lap2
MSYMgmt
Larval
Production
0
200
400
600
% Change

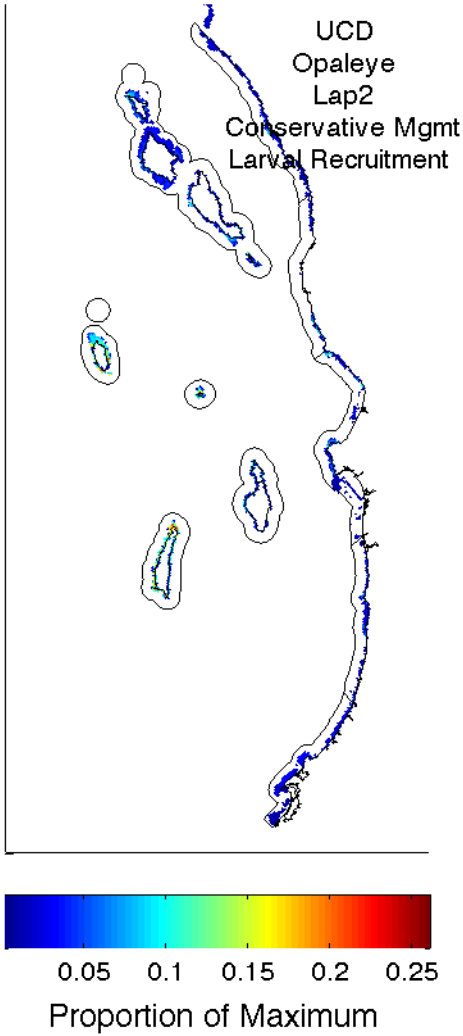

UCSB
Opaleye
Lap2
MSYMgmt
Larval
Supply
3
4
5
6
7
% Change

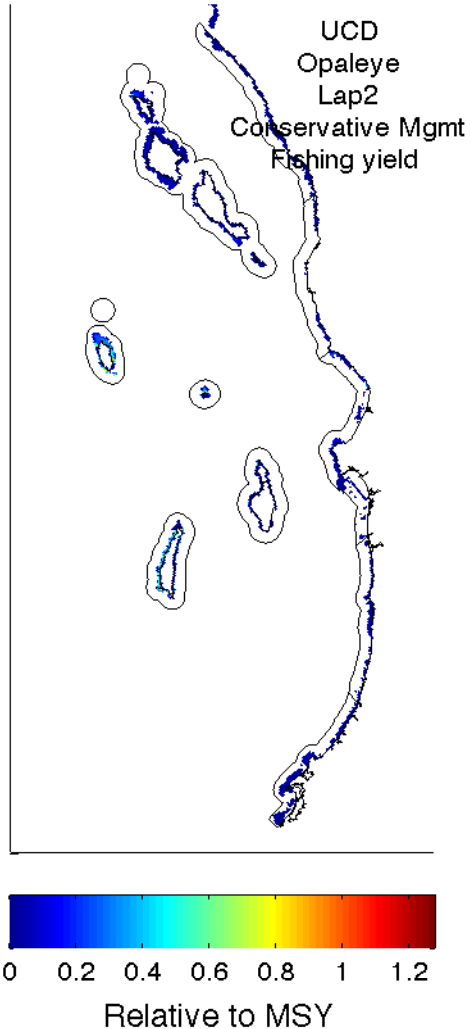

UCD
Opaleye
Lap2
Conservative Mgmt
Biomass
0
0.2
0.4
0.6
Relative to unfished

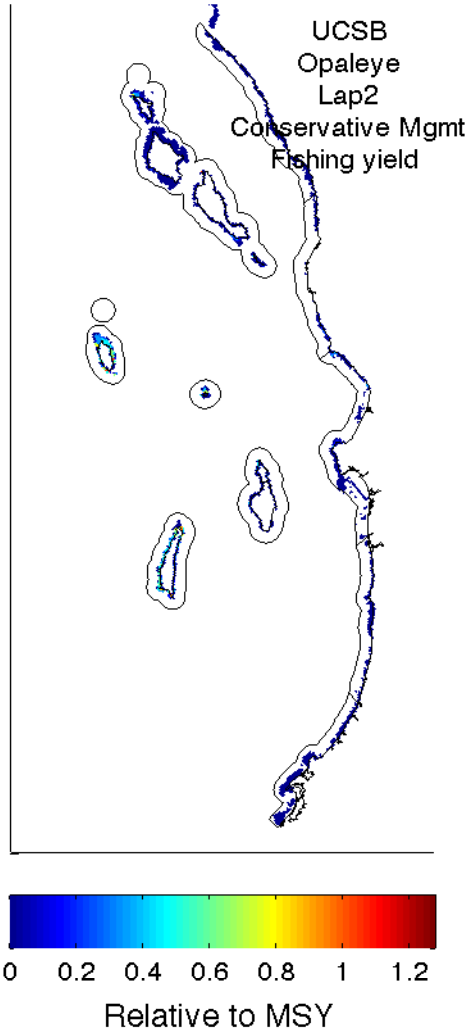

UCSB
Opaleye
Lap2
Conservative Mgmt
Biomass
0
0.2
0.4
0.6
Relative to unfished

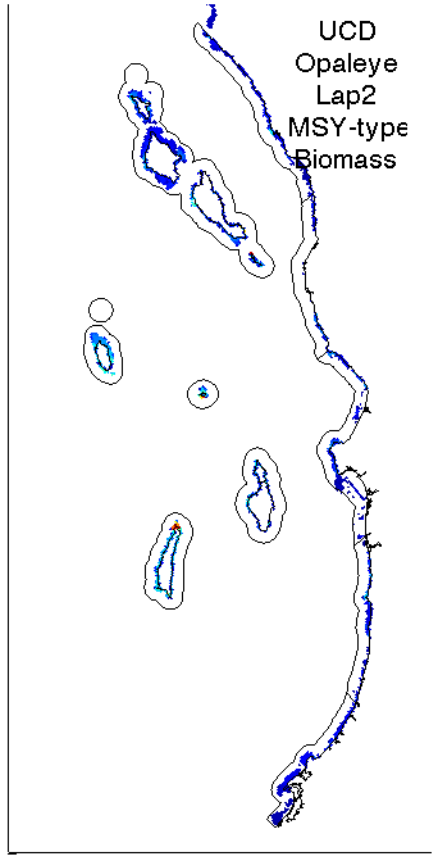

UCD
Opaleye
Lap2
Conservative Mgmt
Fishing effort
0
0.1
0.2
0.3
0.4
Relative to MSY maximum effort

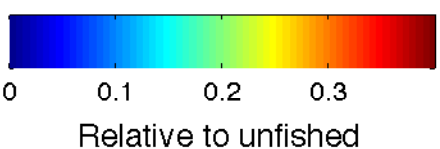

UCSB
Opaleye
Lap2
Conservative Mgmt
Fishing effort
0
5
10
15
Relative to MSY maximum effort

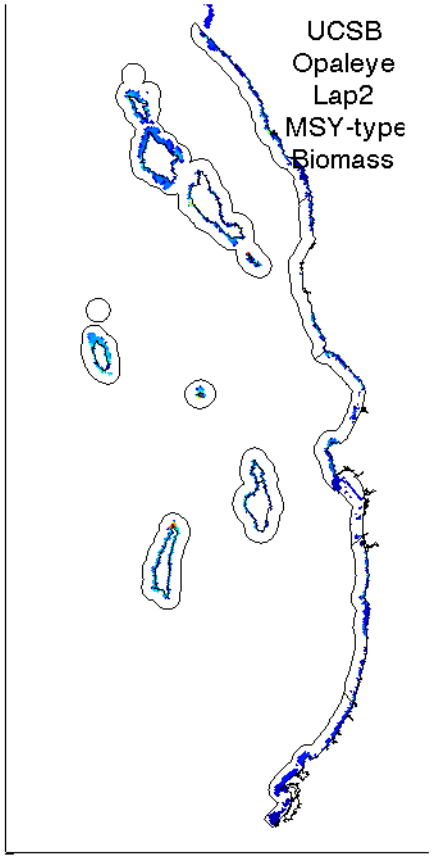

UCD
Opaleye
Lap2
Conservative Mgmt
Larval Recruitment
0.05
0.1
0.15
0.2
0.25
Proportion of Maximum

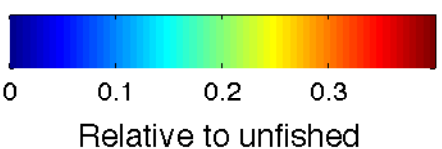

UCD
Opaleye
Lap2
Conservative Mgmt
Fishing yield
0
0.2
0.4
0.6
0.8
1
1.2
Relative to MSY

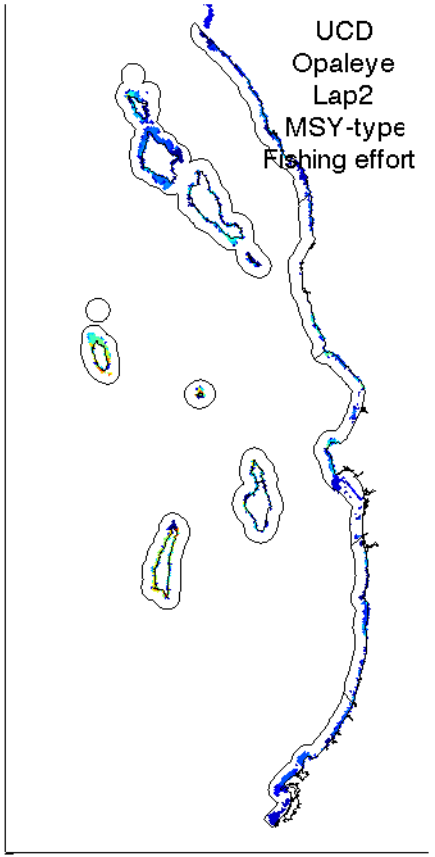

UCSB
Opaleye
Lap2
Conservative Mgmt
Fishing yield
0
0.2
0.4
0.6
0.8
1
1.2
Relative to MSY

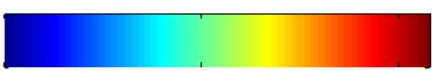

UCD
Opaleye
Lap2
MSY-type
Biomass


0
0.1
0.2
0.3
Relative to unfished

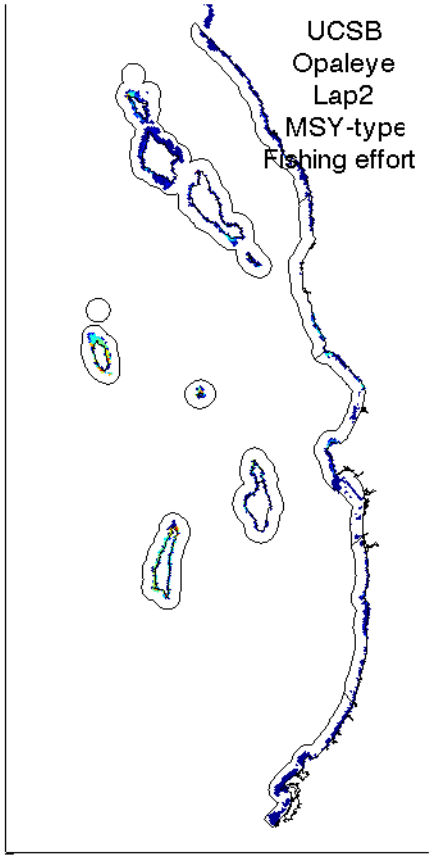

UCSB
Opaleye
Lap2
MSY-type
Biomass

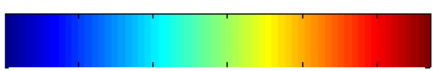

0
0.1
0.2
0.3
Relative to unfished



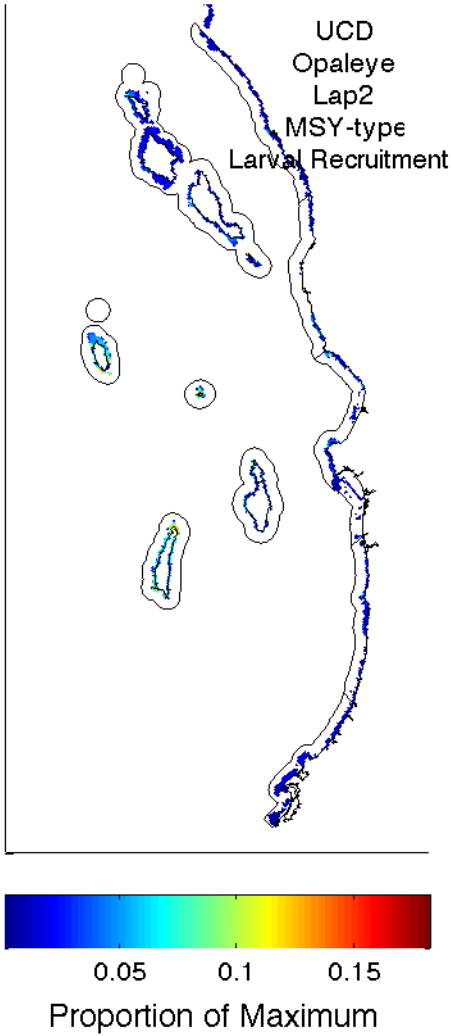


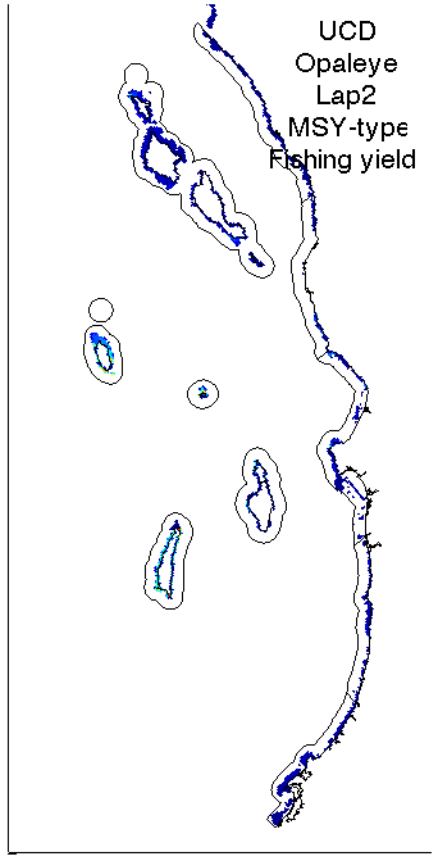
Relative to MSY maximum effort

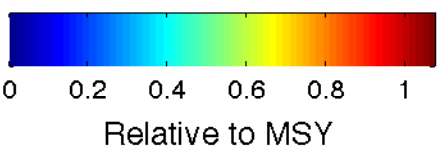


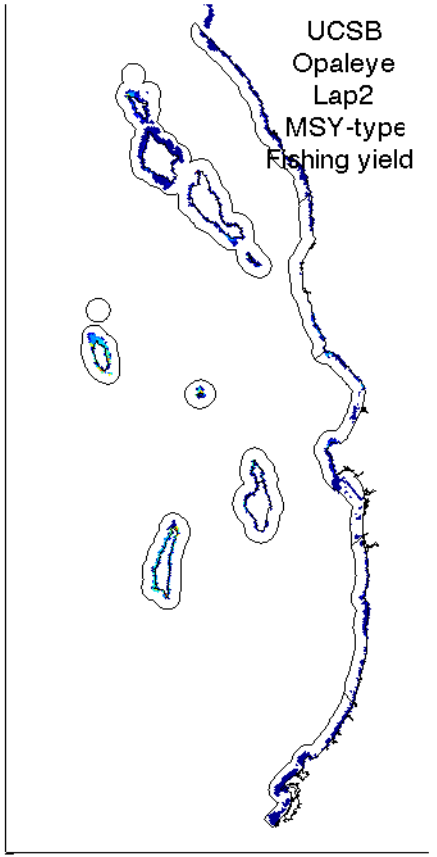


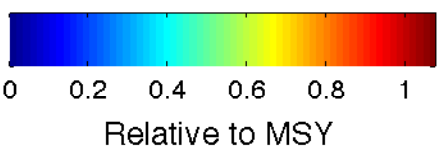
Relative to MSY maximum effort

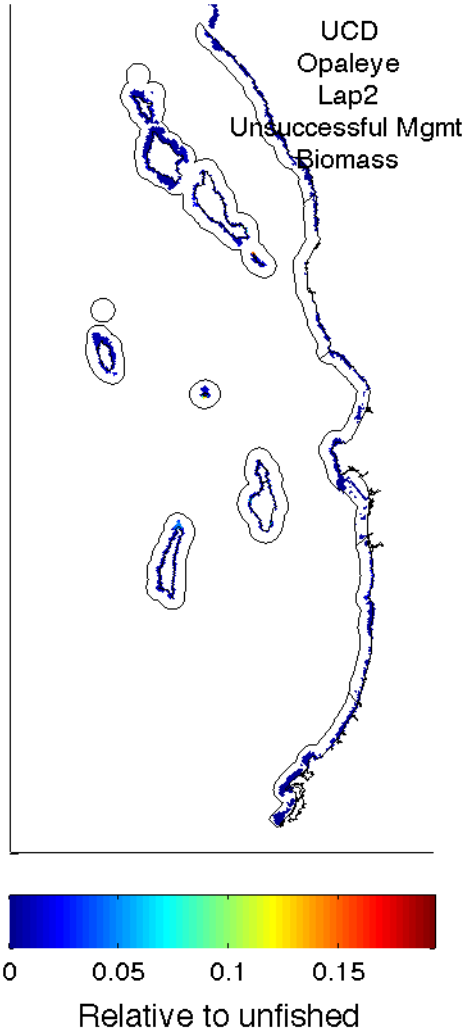

UCD
Opaleye
Lap2
MSY-type
Larval Recruitment
0.05
0.1
0.15
Proportion of Maximum

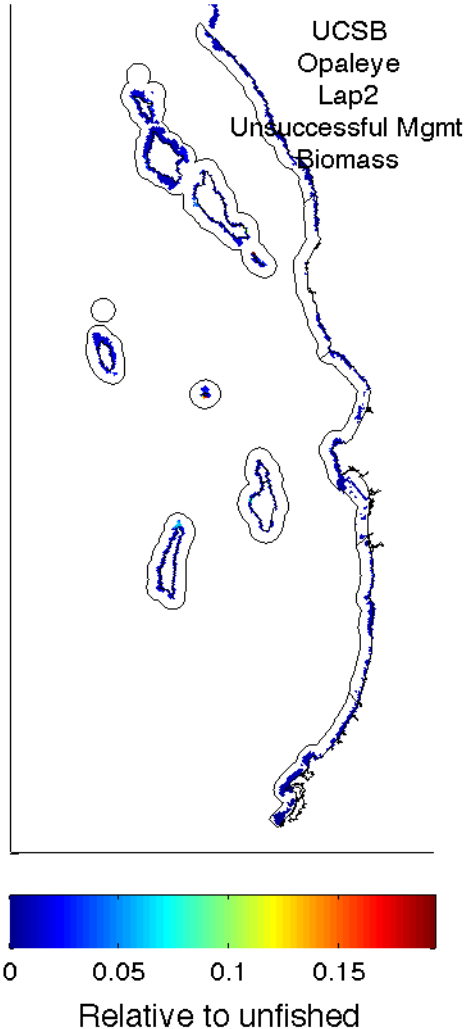

UCD
Opaleye
Lap2
MSY-type
Fishing yield

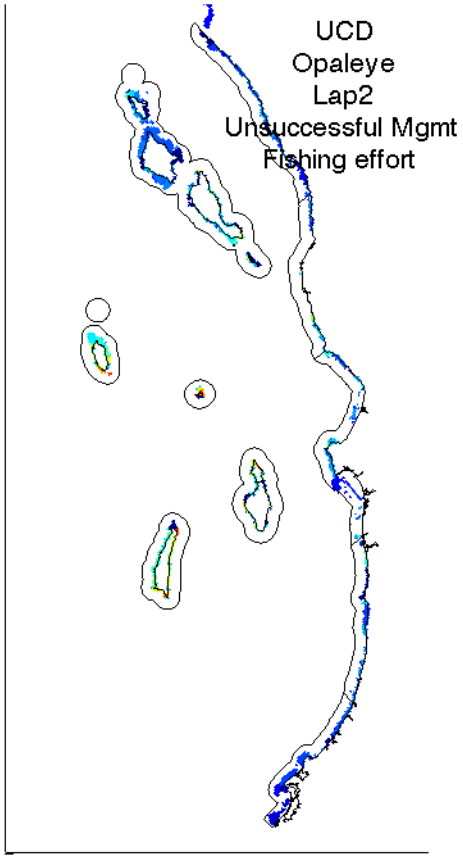

0
0.2
0.4
0.6
0.8
1
Relative to MSY

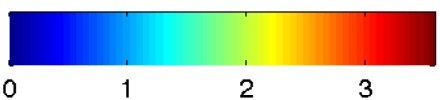

UCSB
Opaleye
Lap2
MSY-type
Fishing yield


0
0.2
0.4
0.6
0.8
1
Relative to MSY

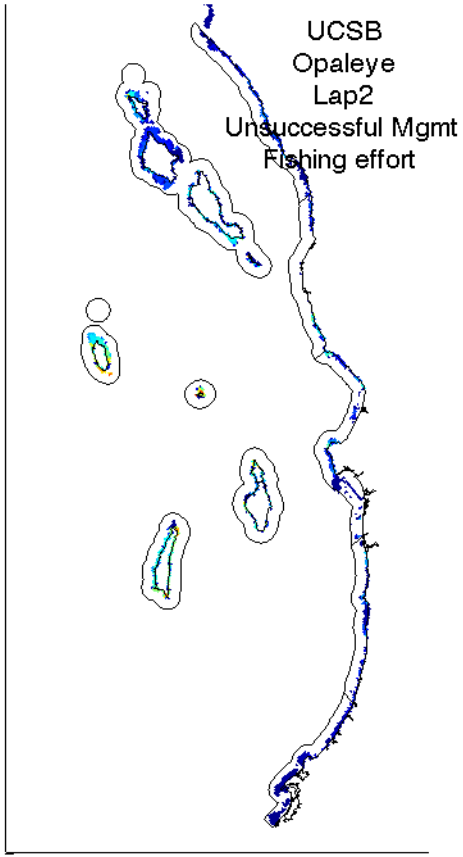

UCD
Opaleye
Lap2
Unsuccessful Mgmt
Biomass
0
0.05
0.1
0.15
Relative to unfished


UCSB
Opaleye
Lap2
Unsuccessful Mgmt
Biomass
0
0.05
0.1
0.15
Relative to unfished

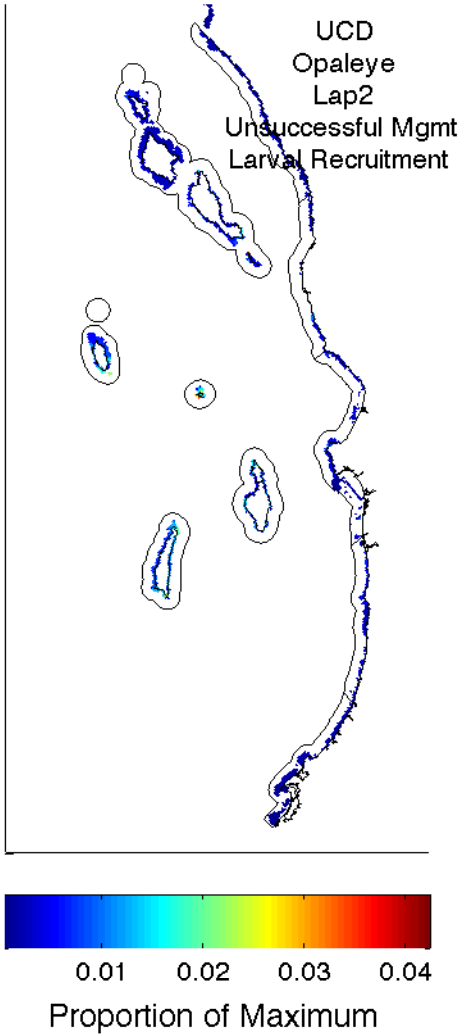


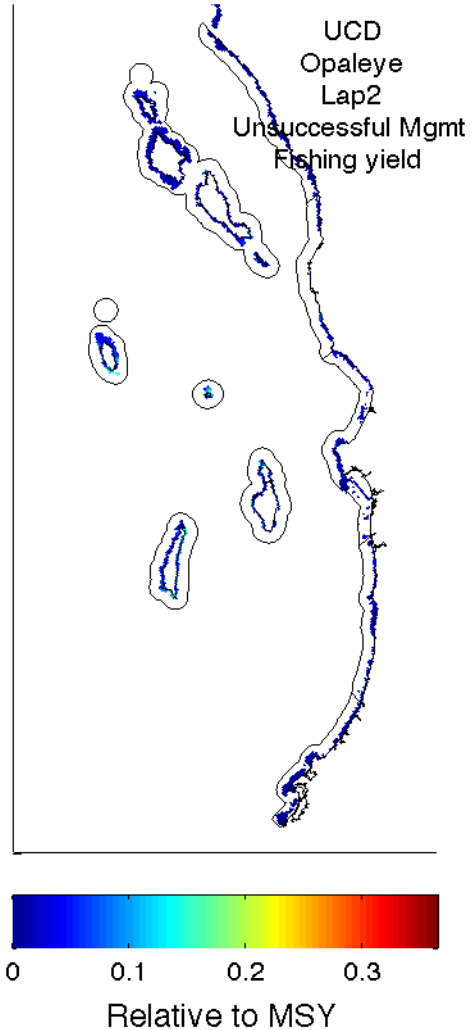


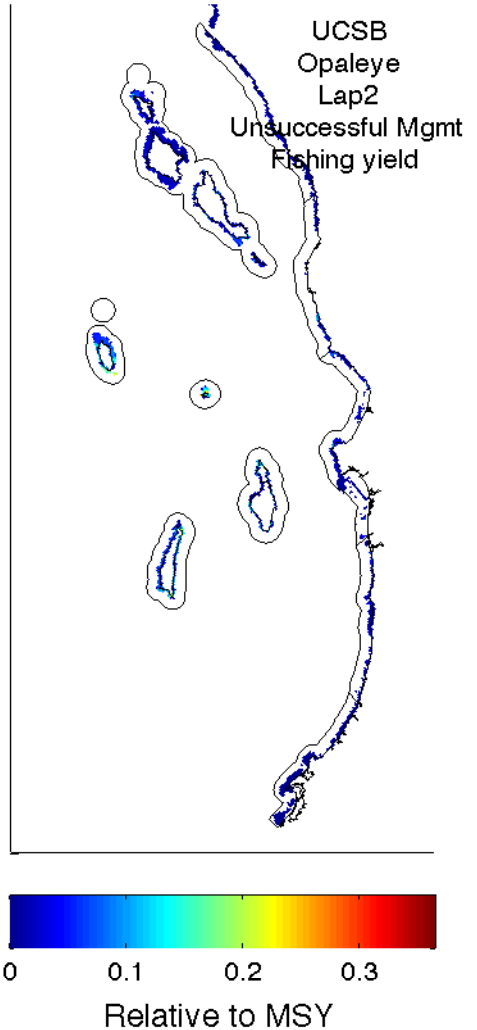
Relative to MSY maximum effort

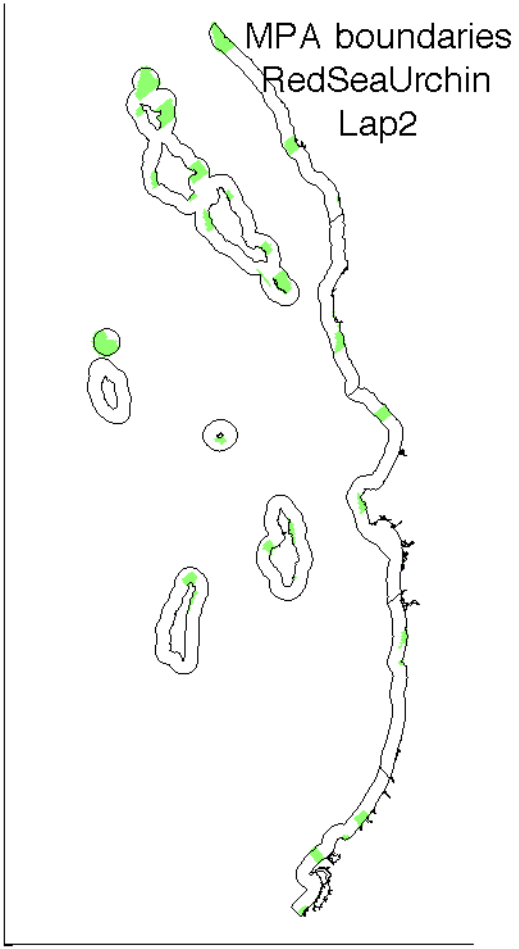


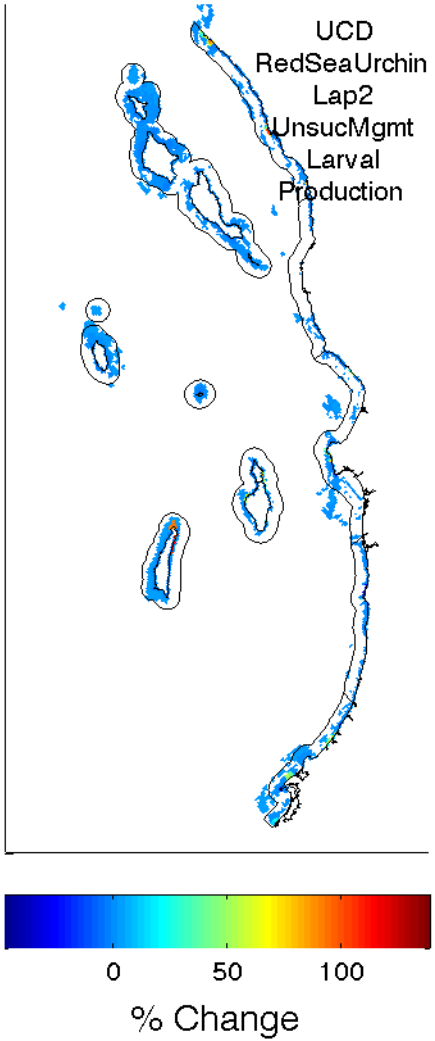
Relative to MSY maximum effort

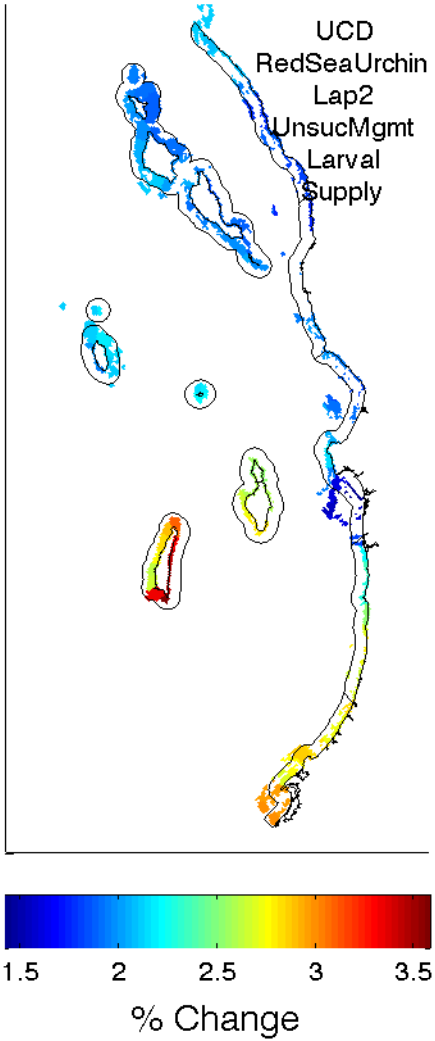

UCD
Opaleye
Lap2
Unsuccessful Mgmt
Larval Recruitment
0.01
0.02
0.03
0.04
Proportion of Maximum

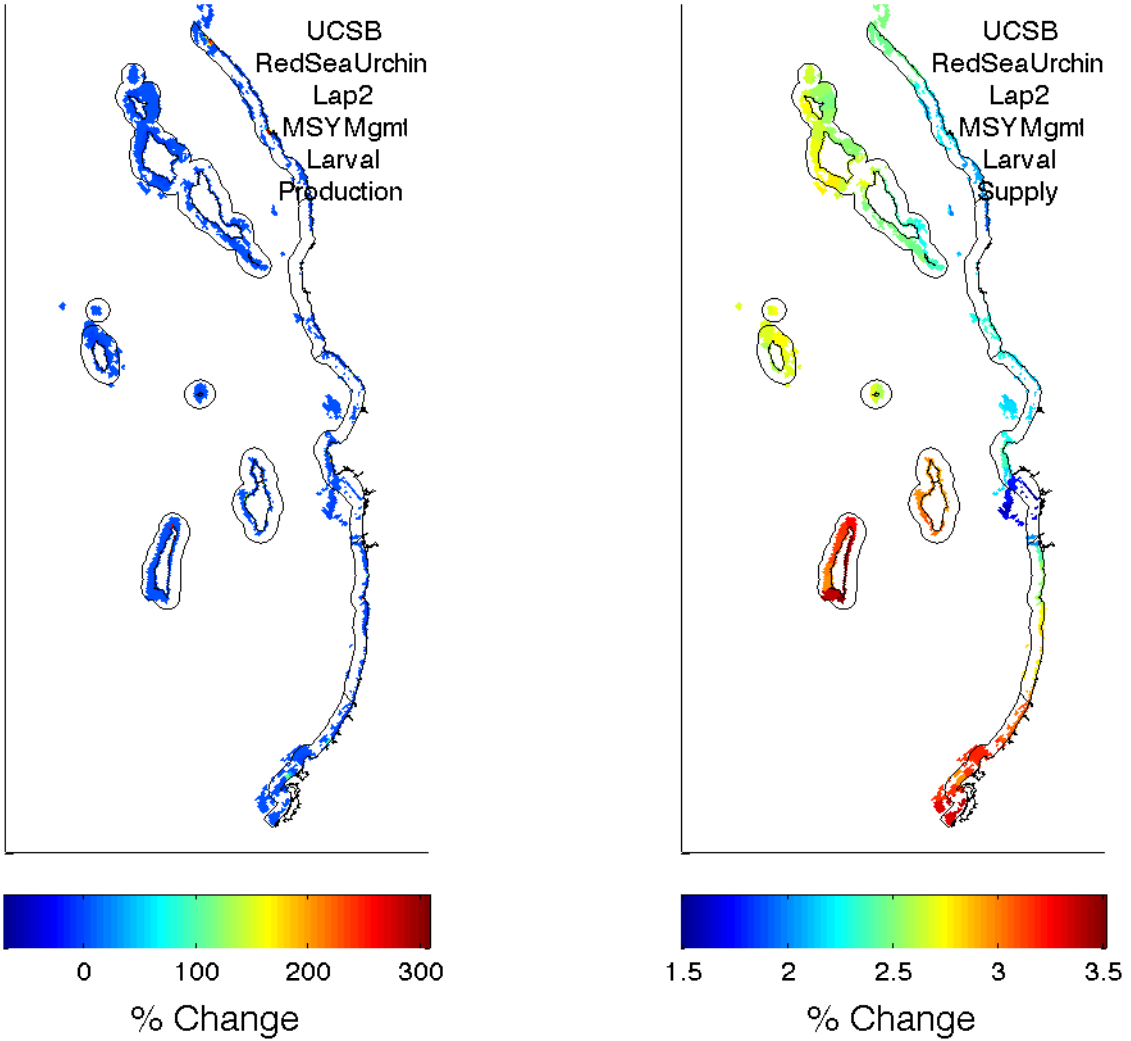

UCD
Opaleye
Lap2
Unsuccessful Mgmt
Fishing yield
0
0.1
0.2
0.3
Relative to MSY

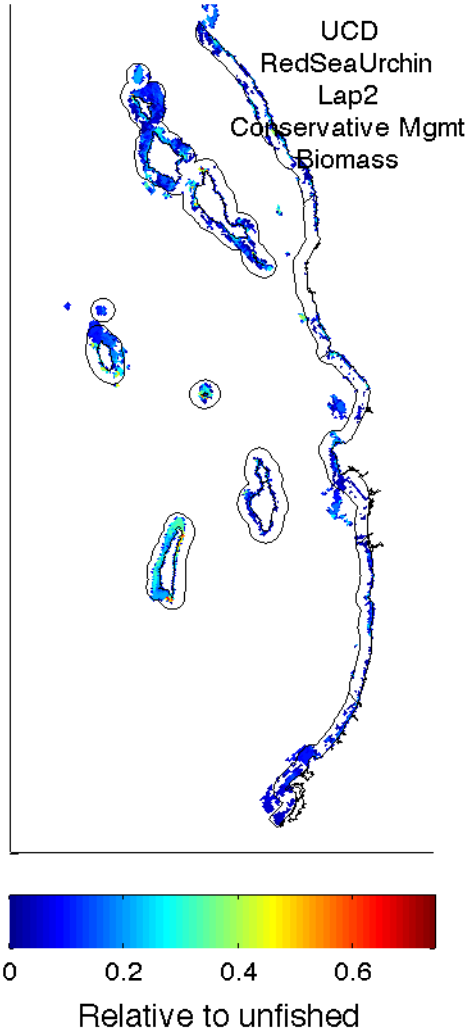

UCSB
Opaleye
Lap2
Unsuccessful Mgmt
Fishing yield
0
0.1
0.2
0.3
Relative to MSY

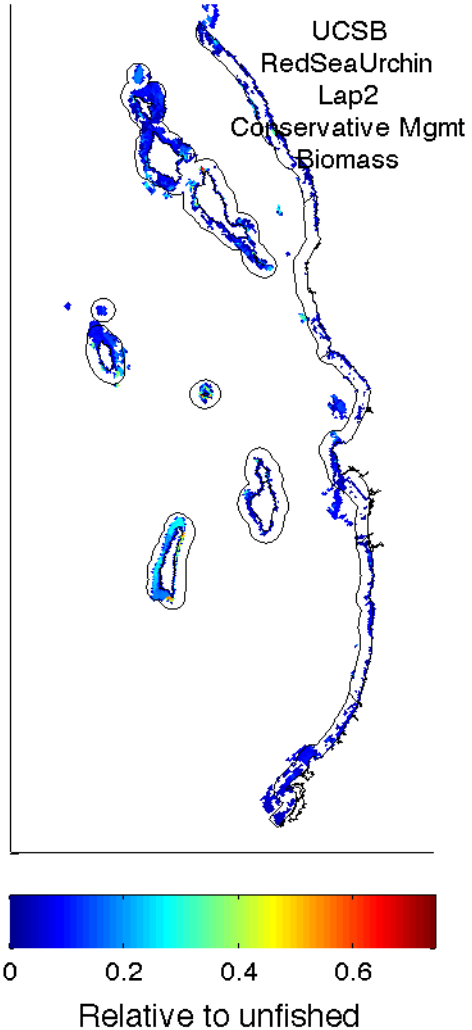

MPA boundaries
RedSeaUrchin
Lap2

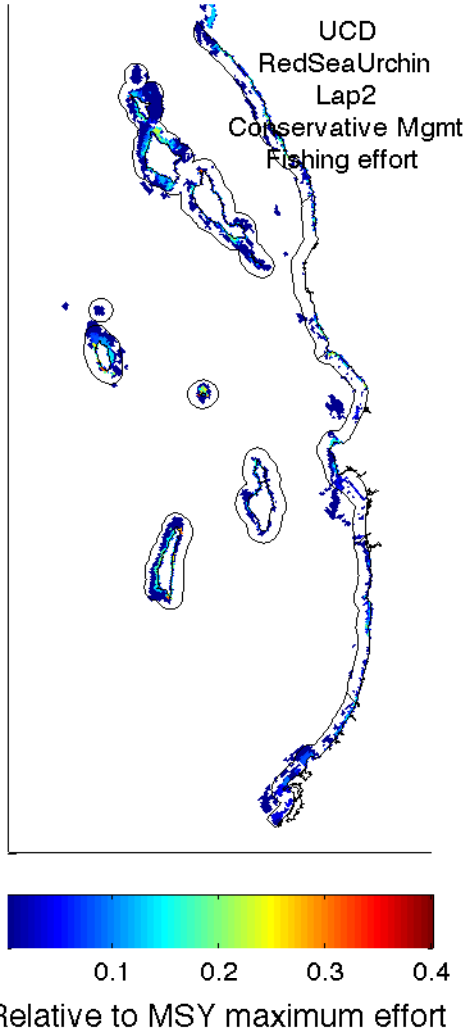

UCD
RedSeaUrchin
Lap2
UnsucMgmt
Larval
Production
0
50
100
% Change

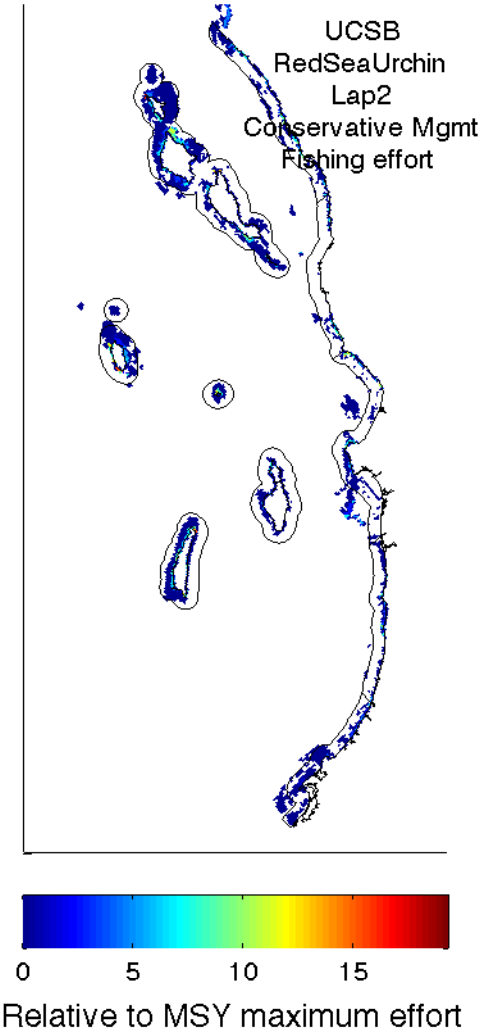

UCD
RedSeaUrchin
Lap2
UnsucMgmt
Larval
Supply
1.5
2
2.5
3
3.5
% Change

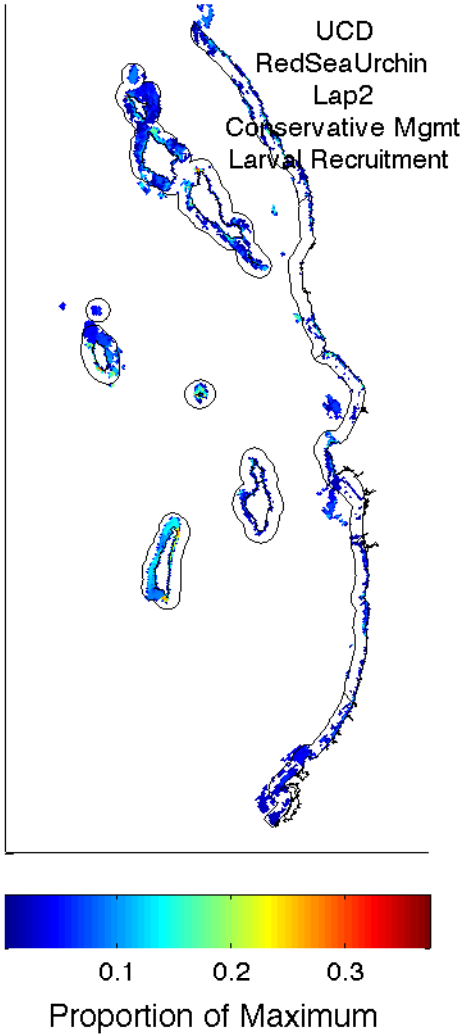

UCSB
RedSeaUrchin
Lap2
MSYMgmt
Larval
Production
0
100
200
300
% Change
UCSB
RedSeaUrchin
Lap2
MSYMgmt
Larval
Supply
1.5
2
2.5
3
3.5
% Change

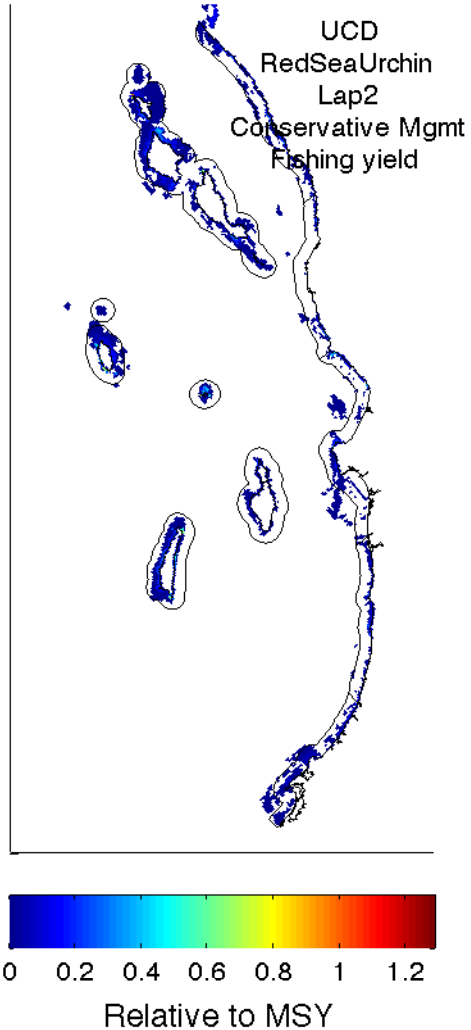

UCD
RedSeaUrchin
Lap2
Conservative Mgmt
Biomass
0
0.2
0.4
0.6
Relative to unfished

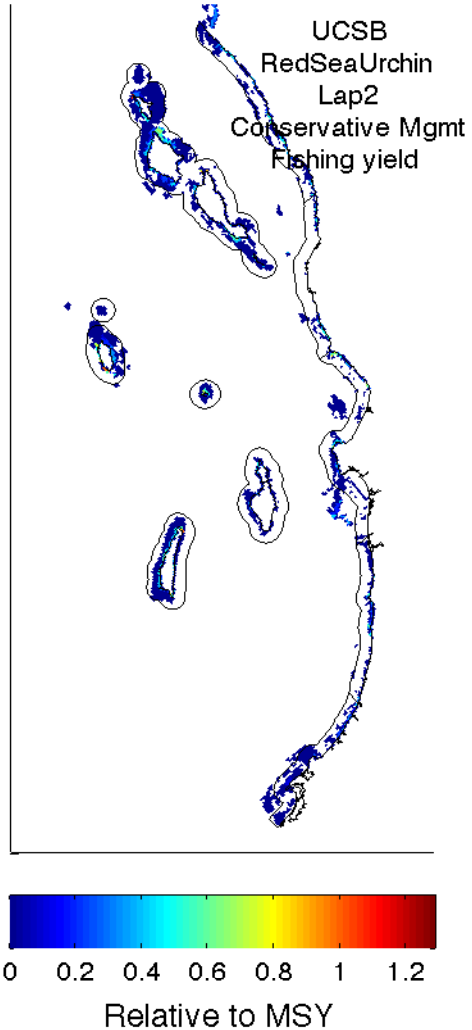

UCSB
RedSeaUrchin
Lap2
Conservative Mgmt
Biomass
0
0.2
0.4
0.6
Relative to unfished

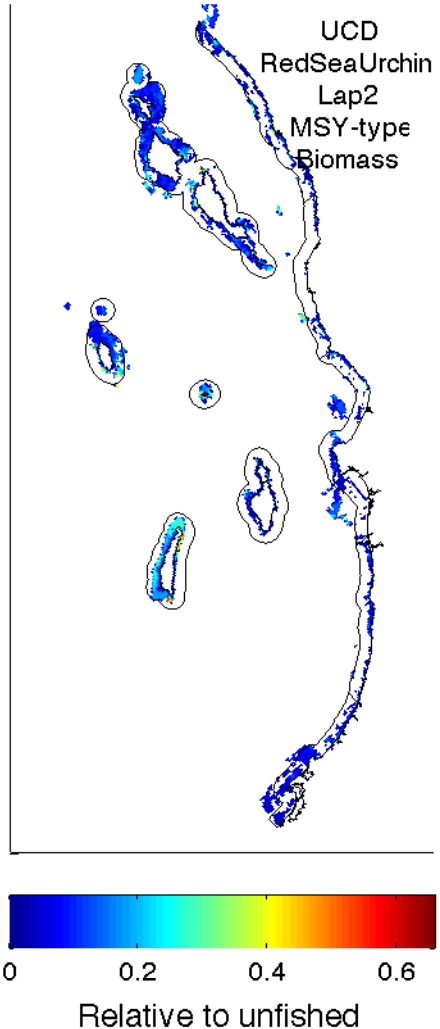

UCD
RedSeaUrchin
Lap2
Conservative Mgmt
Fishing effort
0.1
0.2
0.3
0.4
Relative to MSY maximum effort

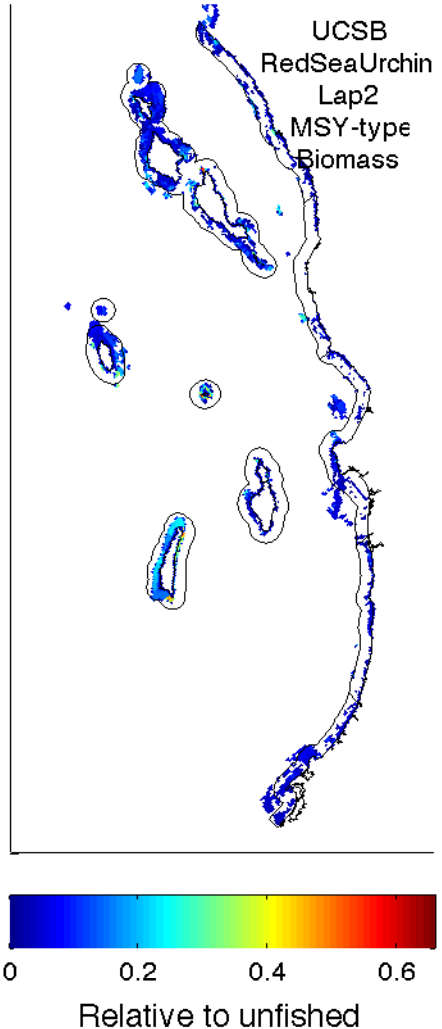

UCSB
RedSeaUrchin
Lap2
Conservative Mgmt
Fishing effort
0
5
10
15
Relative to MSY maximum effort

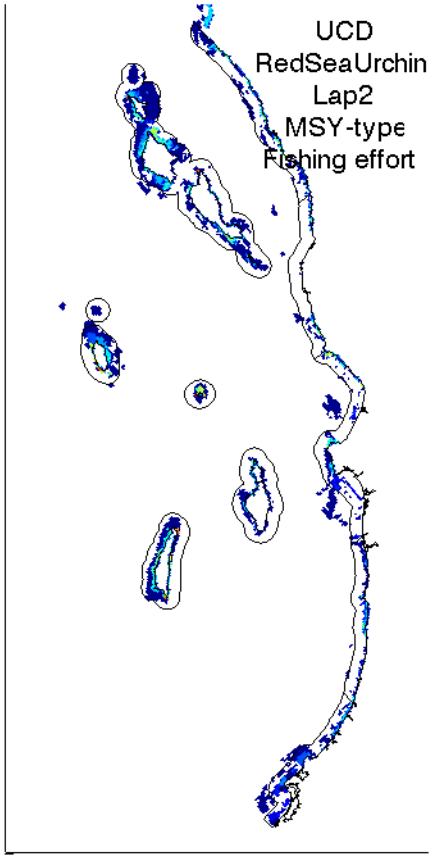

UCD
RedSeaUrchin
Lap2
Conservative Mgmt
Larval Recruitment
0.1
0.2
0.3
Proportion of Maximum

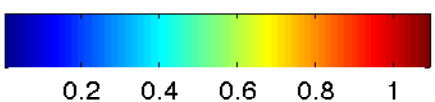

UCD
RedSeaUrchin
Lap2
Conservative Mgmt
Fishing yield
0
0.2
0.4
0.6
0.8
1
1.2
Relative to MSY


UCSB
RedSeaUrchin
Lap2
Conservative Mgmt
Fishing yield
0
0.2
0.4
0.6
0.8
1
1.2
Relative to MSY

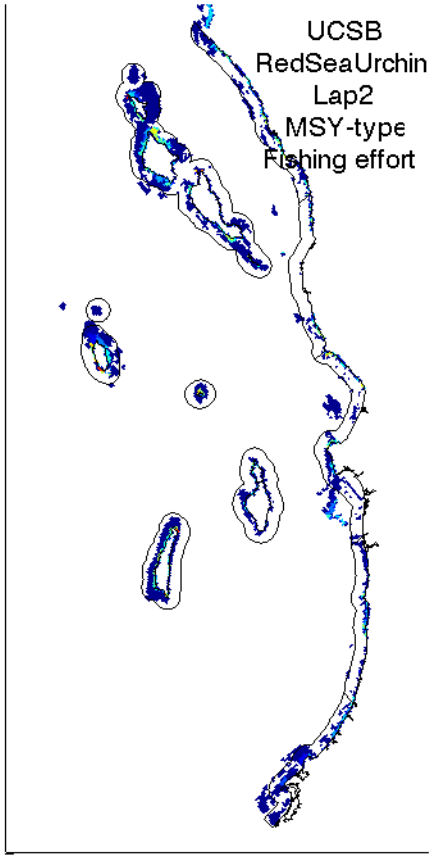

UCD
RedSeaUrchin
Lap2
MSY-type
Biomass
0
0.2
0.4
0.6
Relative to unfished

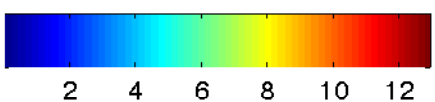

UCSB
RedSeaUrchin
Lap2
MSY-type
Biomass
0
0.2
0.4
0.6
Relative to unfished



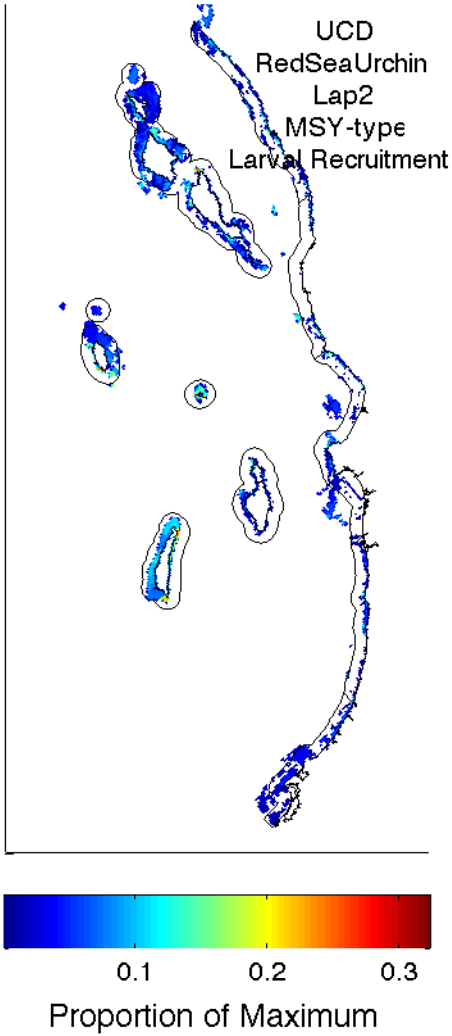


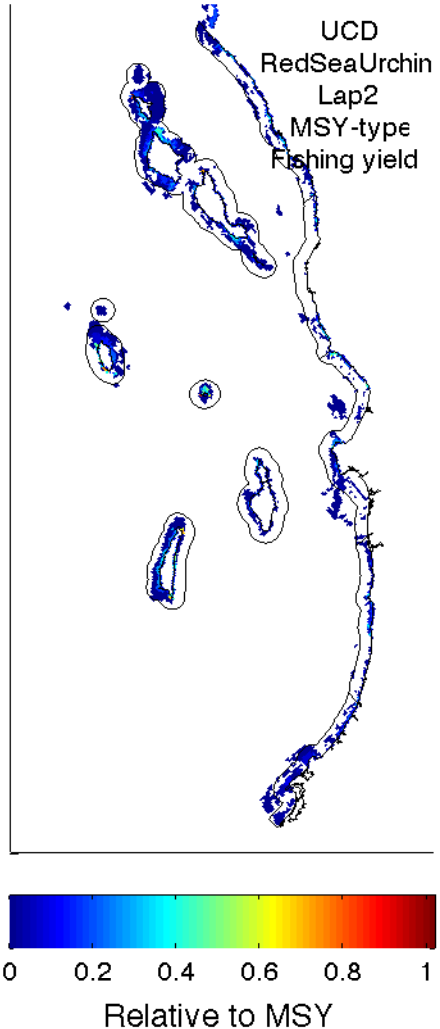
Relative to MSY maximum effort

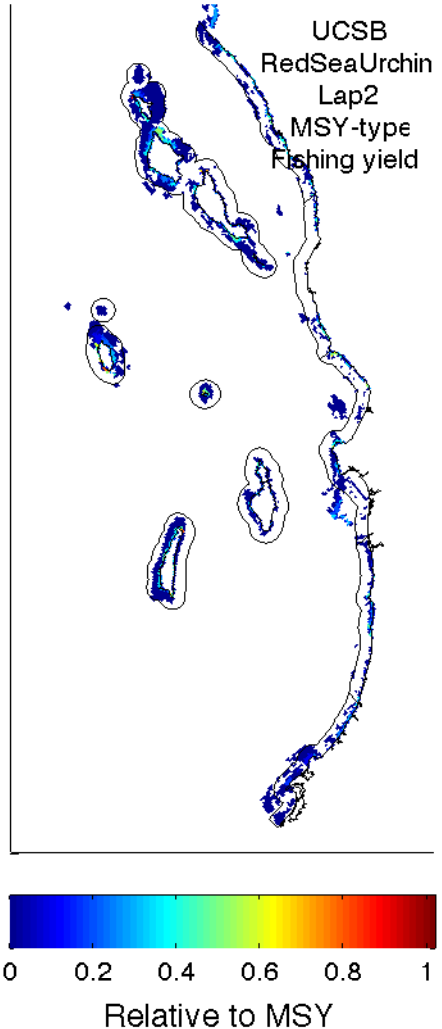


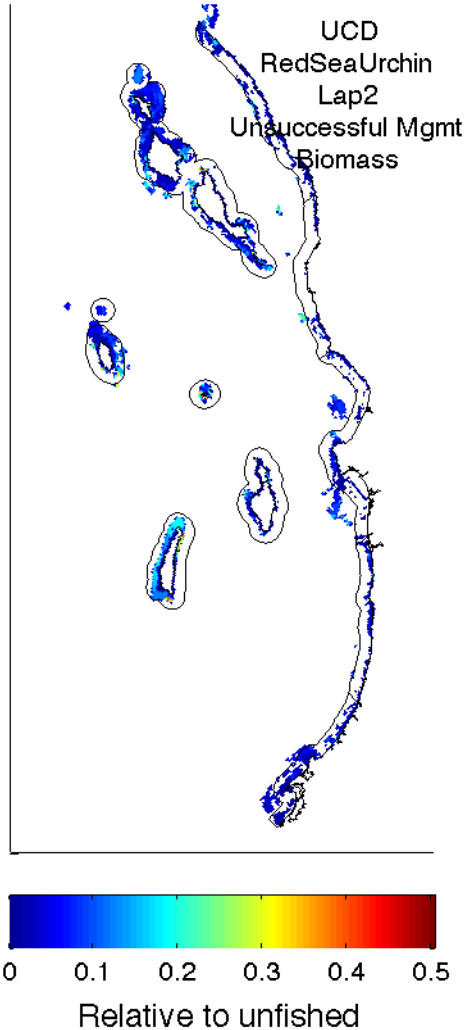


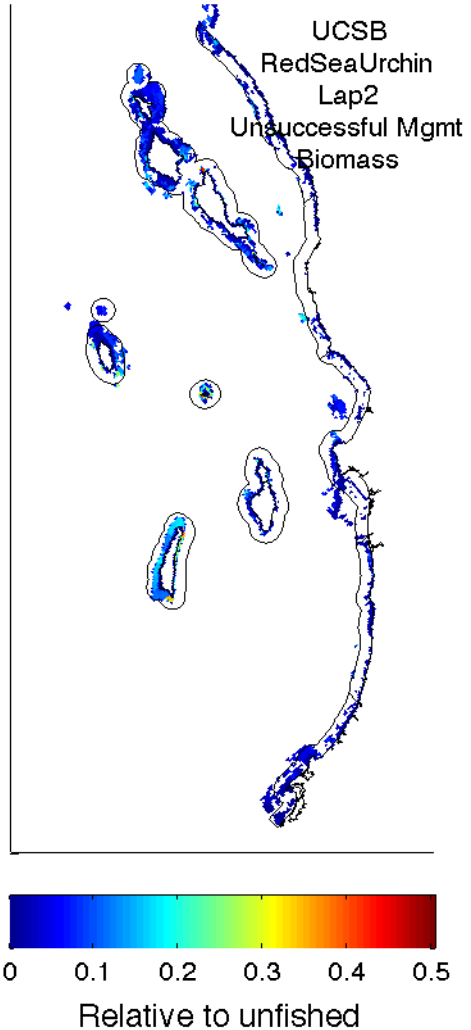
Relative to MSY maximum effort

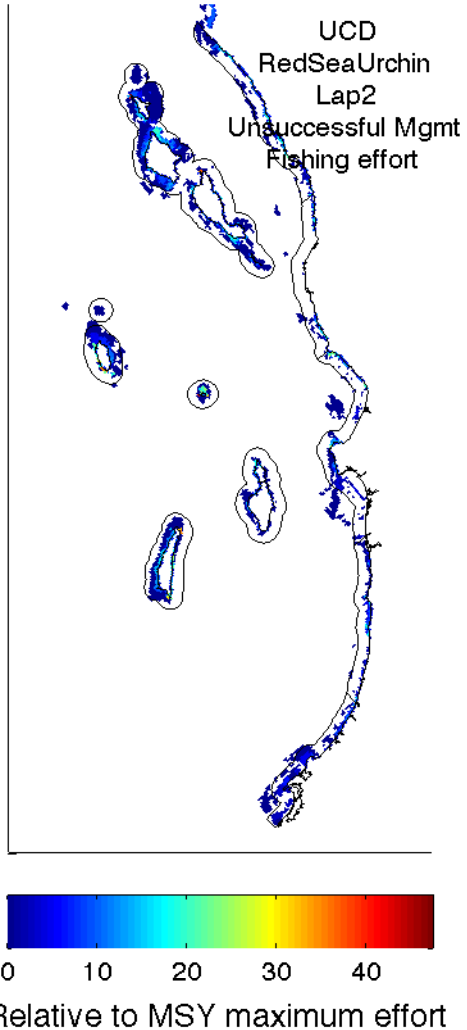

UCD
RedSeaUrchin
Lap2
MSY-type
Larval Recruitment
0.1
0.2
0.3
Proportion of Maximum

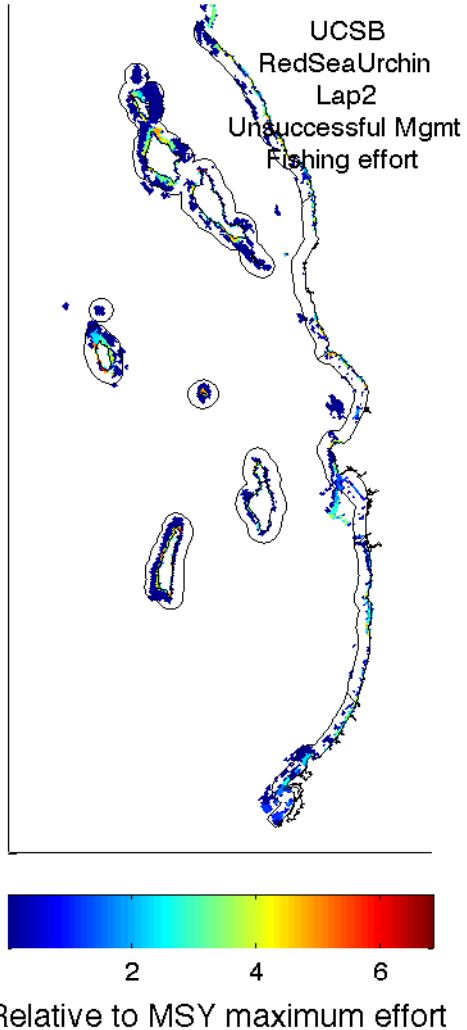

UCD
RedSeaUrchin
Lap2
MSY-type
Fishing yield
0
0.2
0.4
0.6
0.8
1
Relative to MSY

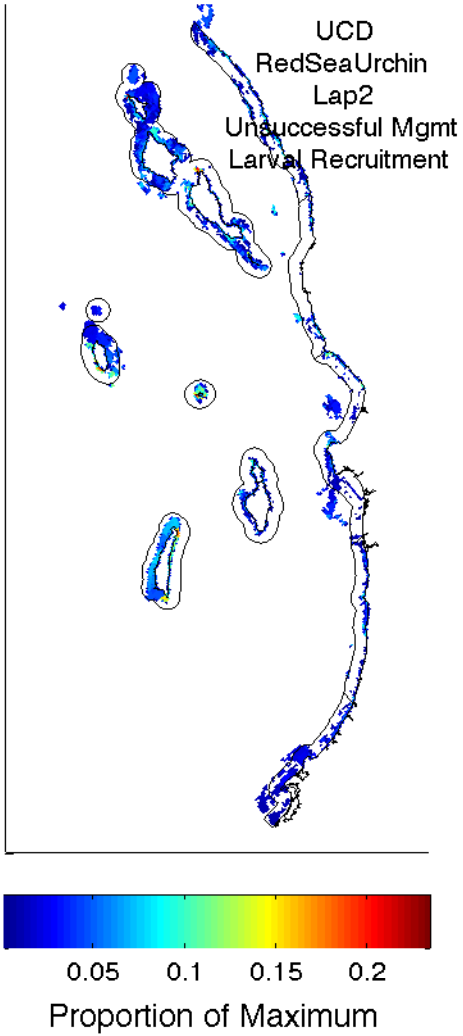

UCSB
RedSeaUrchin
Lap2
MSY-type
Fishing yield
0
0.2
0.4
0.6
0.8
1
Relative to MSY

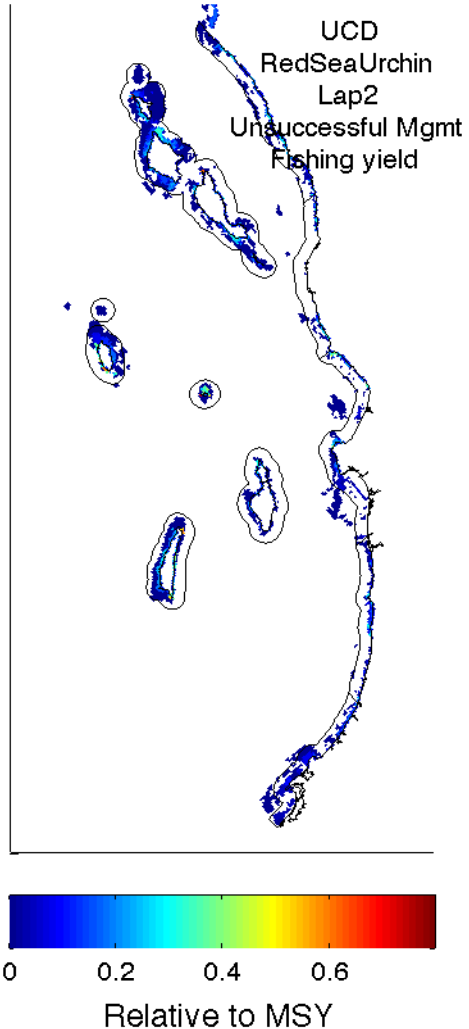

UCD
RedSeaUrchin
Lap2
Unsuccessful Mgmt
Biomass
0
0.1
0.2
0.3
0.4
0.5
Relative to unfished

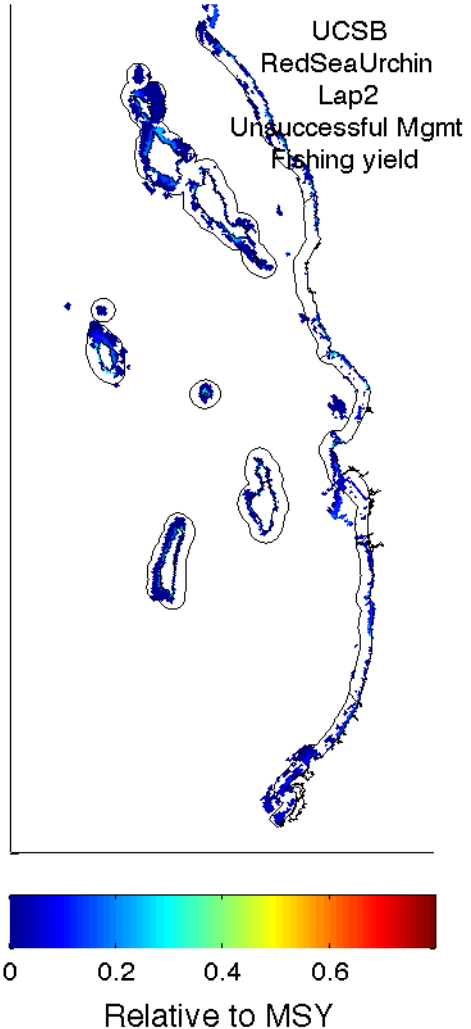

UCSB
RedSeaUrchin
Lap2
Unsuccessful Mgmt
Biomass
0
0.1
0.2
0.3
0.4
0.5
Relative to unfished

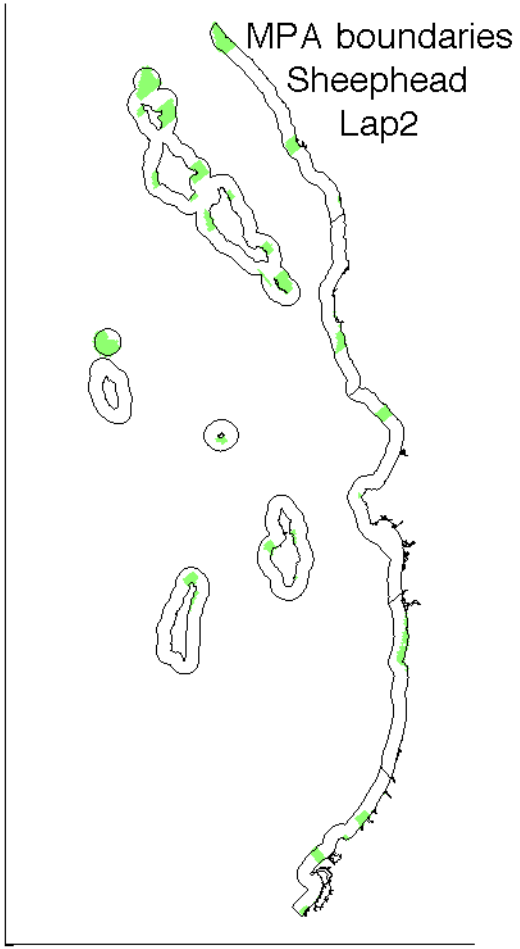

UCD
RedSeaUrchin
Lap2
Unsuccessful Mgmt
Fishing effort
0
10
20
30
40
Relative to MSY maximum effort

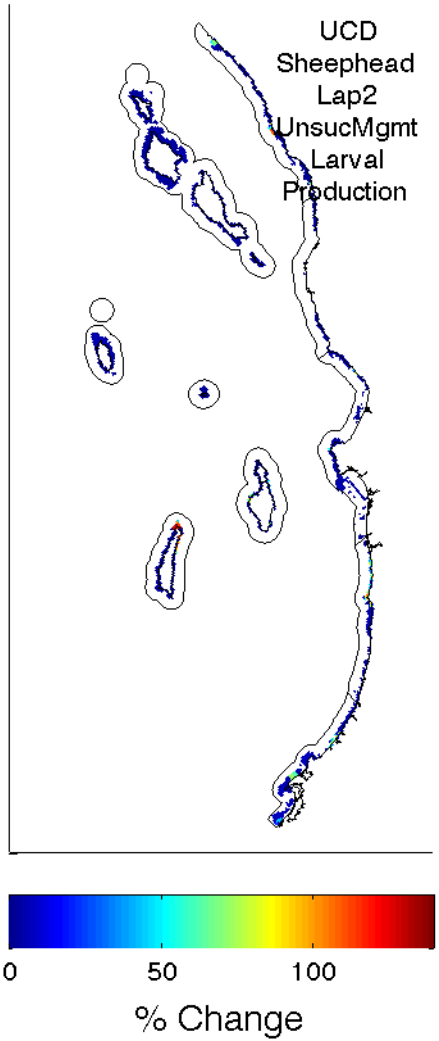

UCSB
RedSeaUrchin
Lap2
Unsuccessful Mgmt
Fishing effort
2
4
6
Relative to MSY maximum effort

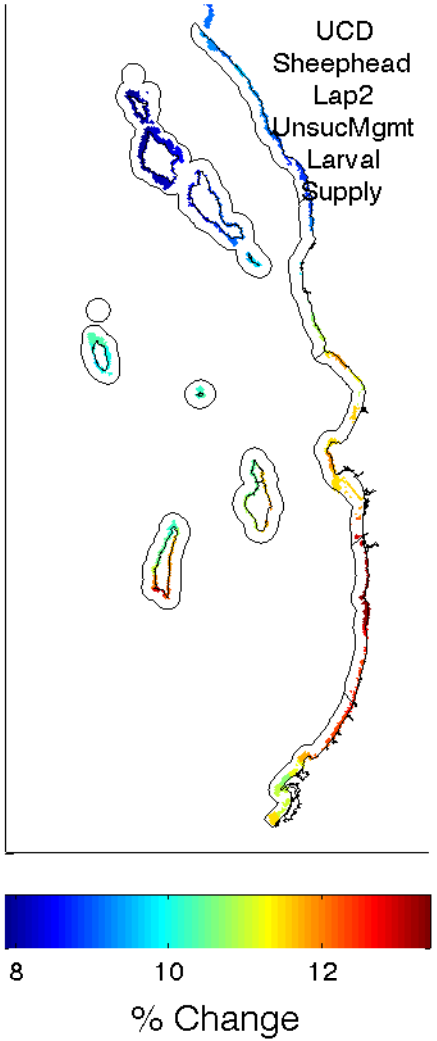

UCD
RedSeaUrchin
Lap2
Unsuccessful Mgmt
Larval Recruitment
0.05
0.1
0.15
0.2
Proportion of Maximum

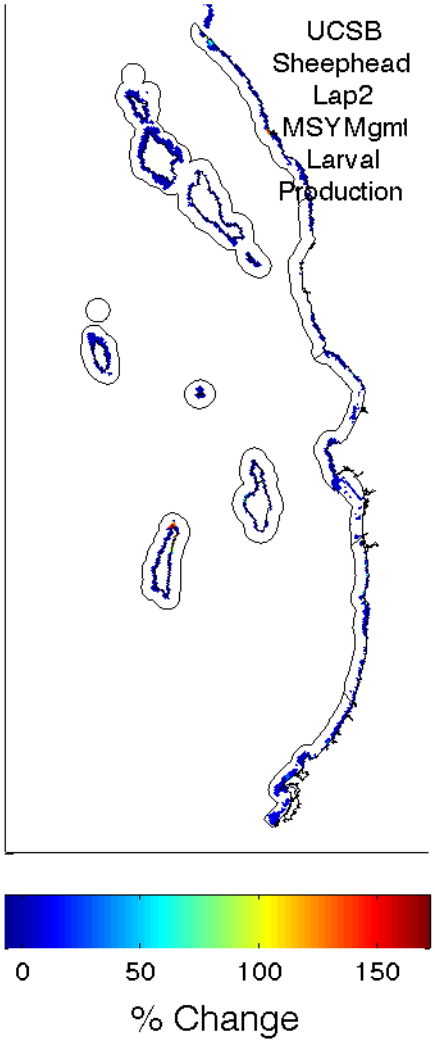

UCD
RedSeaUrchin
Lap2
Unsuccessful Mgmt
Fishing yield
0
0.2
0.4
0.6
Relative to MSY

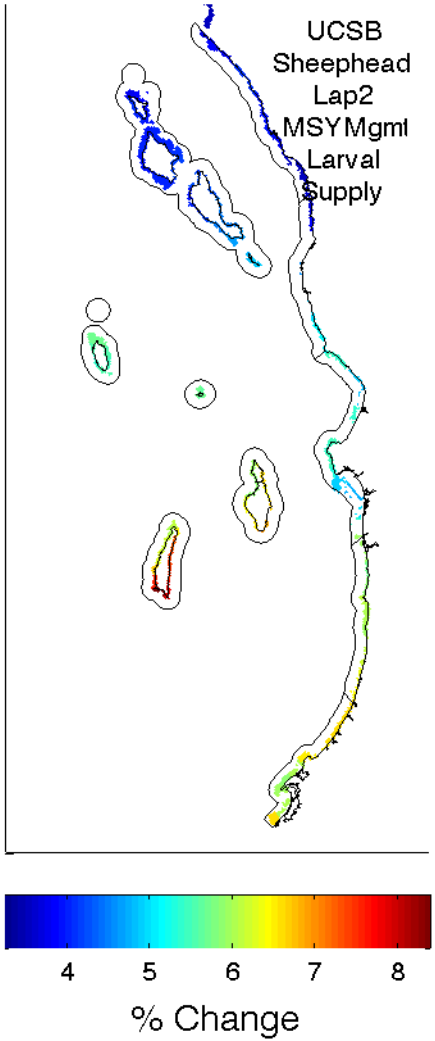

UCSB
RedSeaUrchin
Lap2
Unsuccessful Mgmt
Fishing yield
0
0.2
0.4
0.6
Relative to MSY

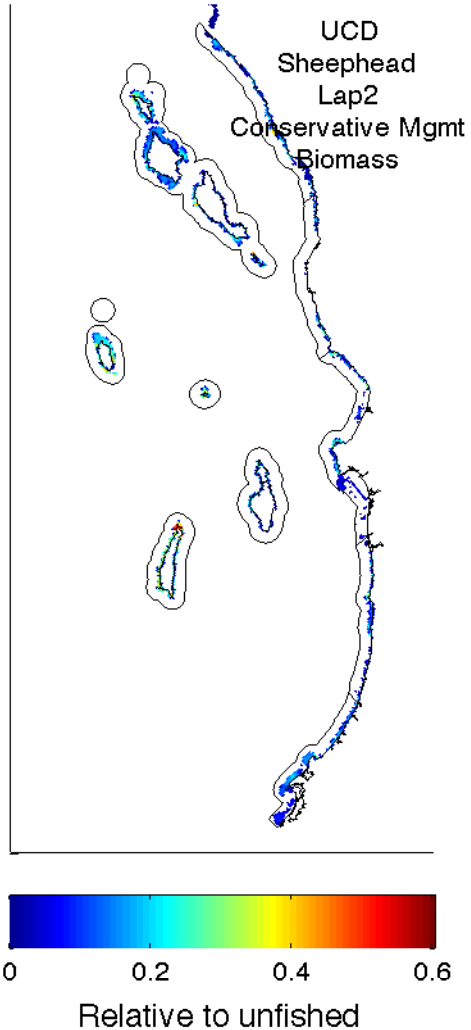

MPA boundaries
Sheephead
Lap2

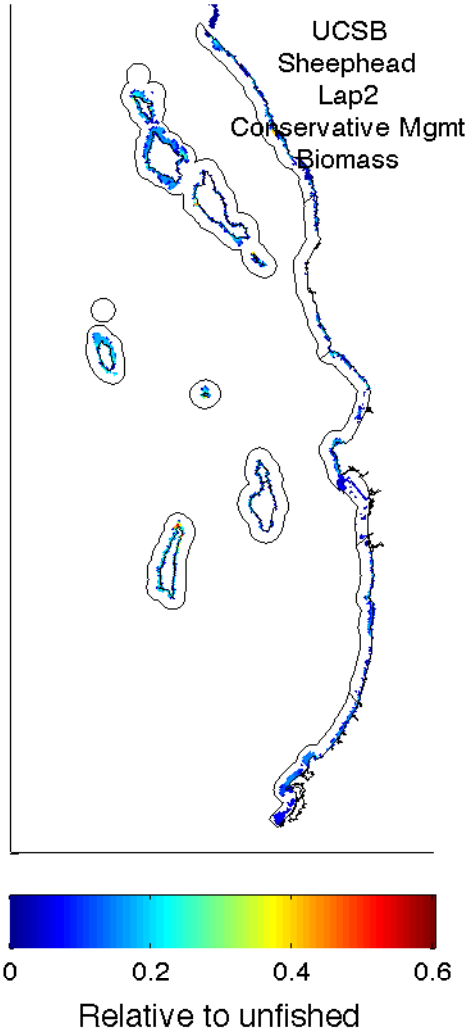

UCD
Sheephead
Lap2
UnsucMgmt
Larval
Production
0
50
100
% Change

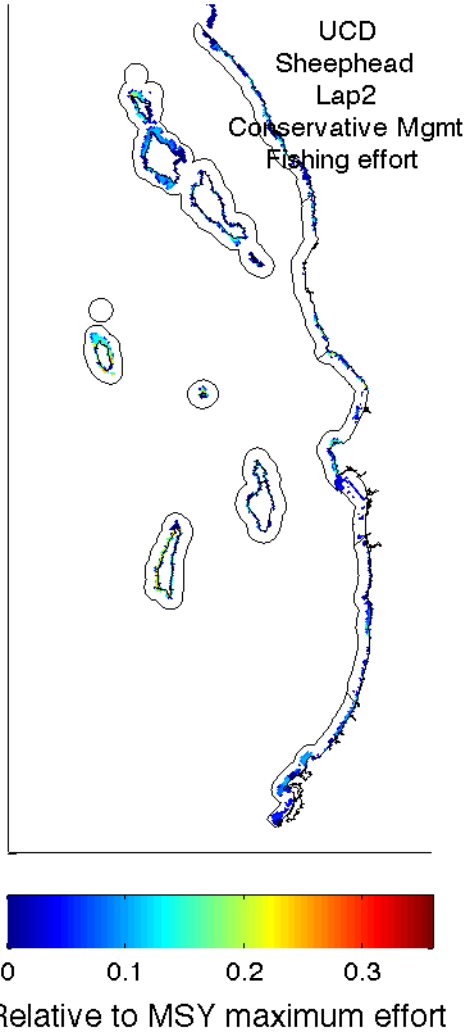

UCD
Sheephead
Lap2
UnsucMgmt
Larval
Supply
8
10
12
% Change

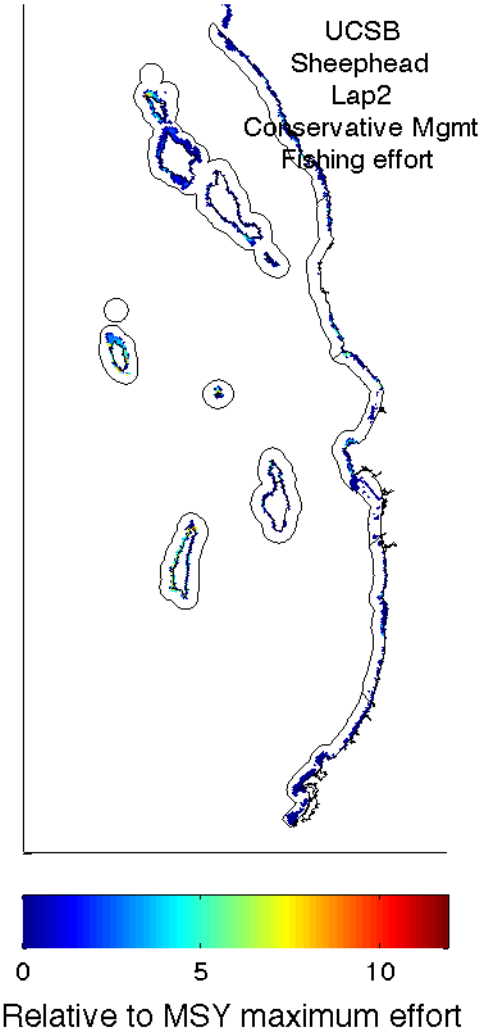

UCSB
Sheephead
Lap2
MSYMgmt
Larval
Production
0
50
100
150
% Change

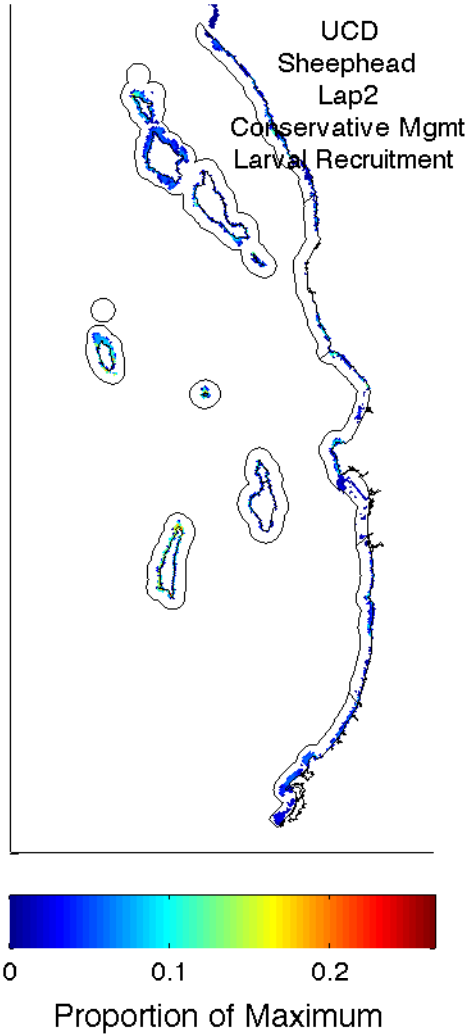

UCSB
Sheephead
Lap2
MSYMgmt
Larval
Supply
4
5
6
7
8
% Change

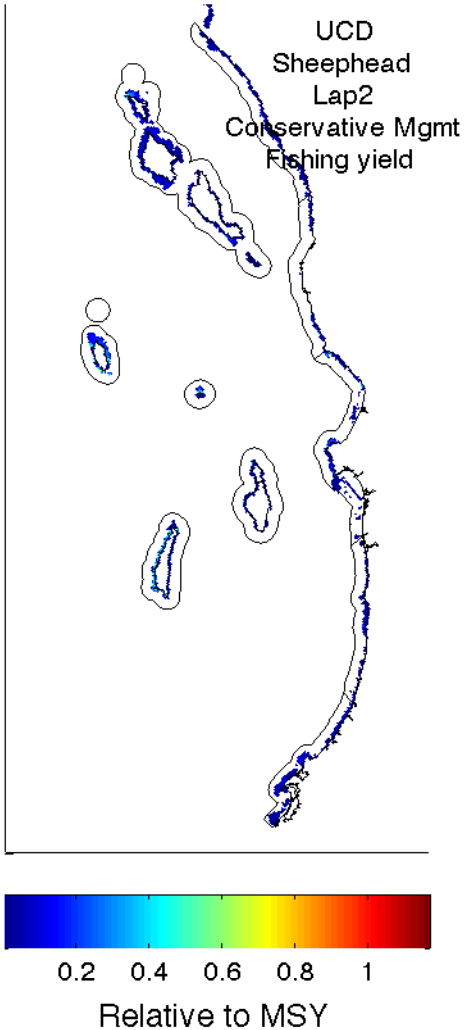

UCD
Sheephead
Lap2
Conservative Mgmt
Biomass
0
0.2
0.4
0.6
Relative to unfished

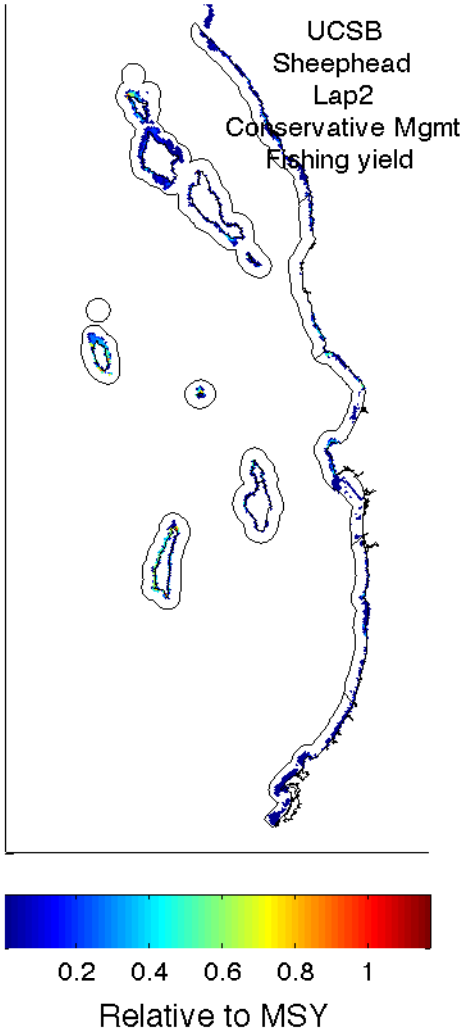

UCSB
Sheephead
Lap2
Conservative Mgmt
Biomass
0
0.2
0.4
0.6
Relative to unfished

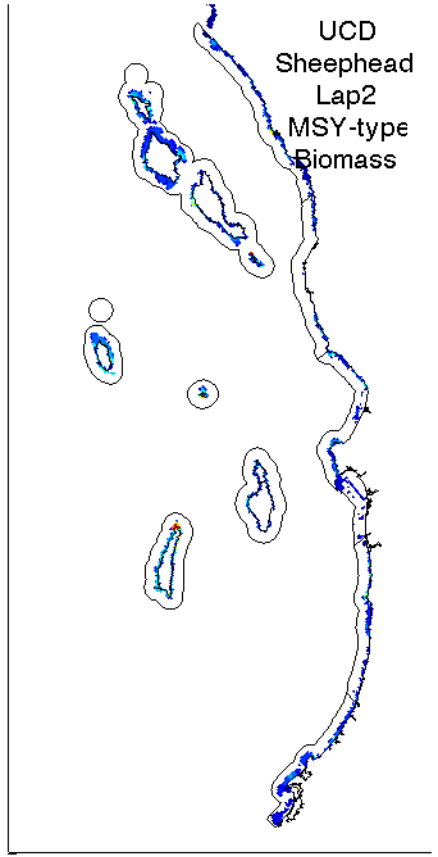

UCD
Sheephead
Lap2
Conservative Mgmt
Fishing effort
0
0.1
0.2
0.3
Relative to MSY maximum effort

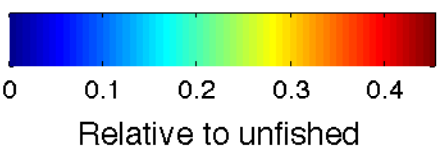

UCSB
Sheephead
Lap2
Conservative Mgmt
Fishing effort
0
5
10
Relative to MSY maximum effort

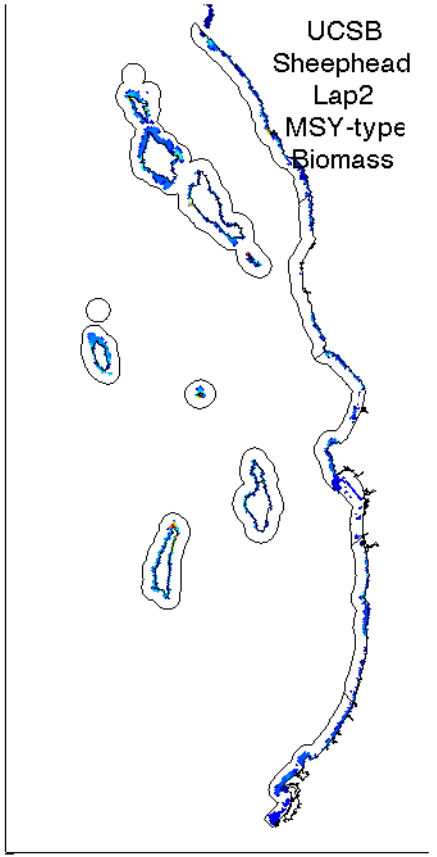

UCD
Sheephead
Lap2
Conservative Mgmt
Larval Recruitment
0
0.1
0.2
Proportion of Maximum

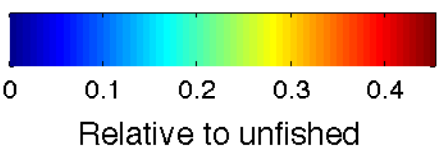

UCD
Sheephead
Lap2
Conservative Mgmt
Fishing yield
0.2
0.4
0.6
0.8
1
Relative to MSY

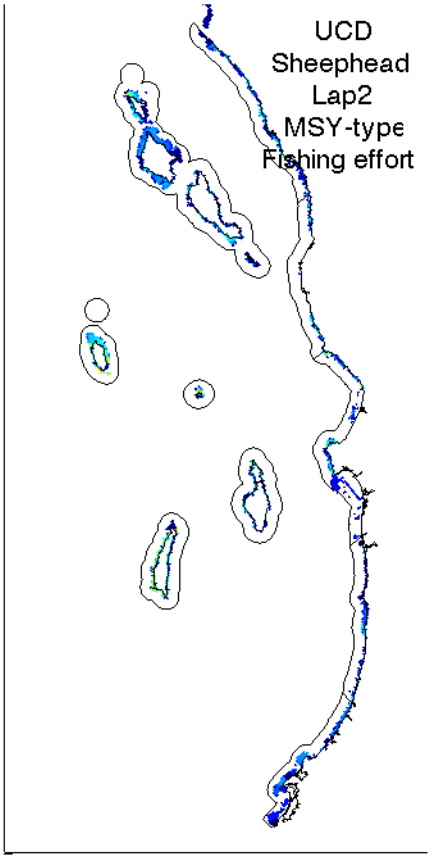

UCSB
Sheephead
Lap2
Conservative Mgmt
Fishing yield
0.2
0.4
0.6
0.8
1
Relative to MSY

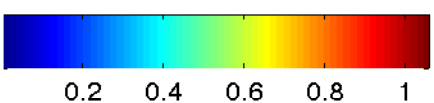

UCD
Sheephead
Lap2
MSY-type
Biomass


0
0.1
0.2
0.3
0.4
Relative to unfished

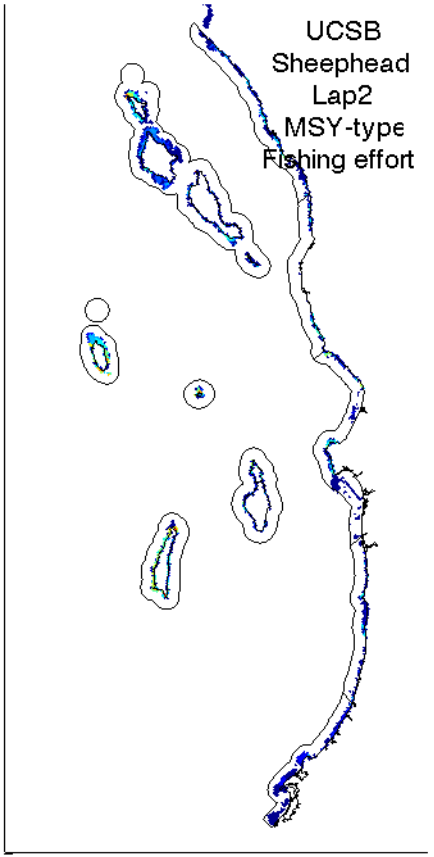

UCSB
Sheephead
Lap2
MSY-type
Biomass

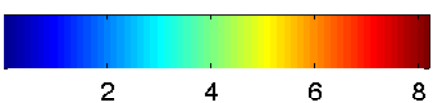

0
0.1
0.2
0.3
0.4
Relative to unfished



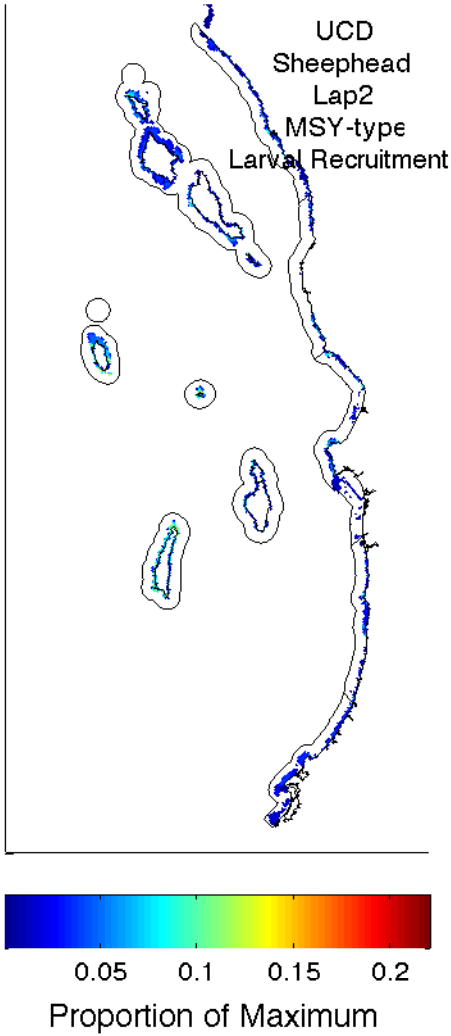


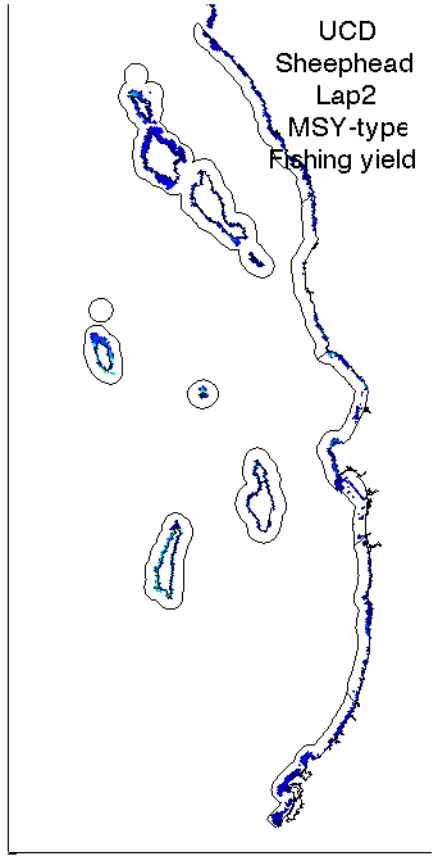
Relative to MSY maximum effort

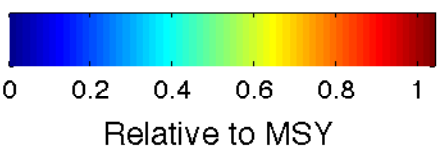


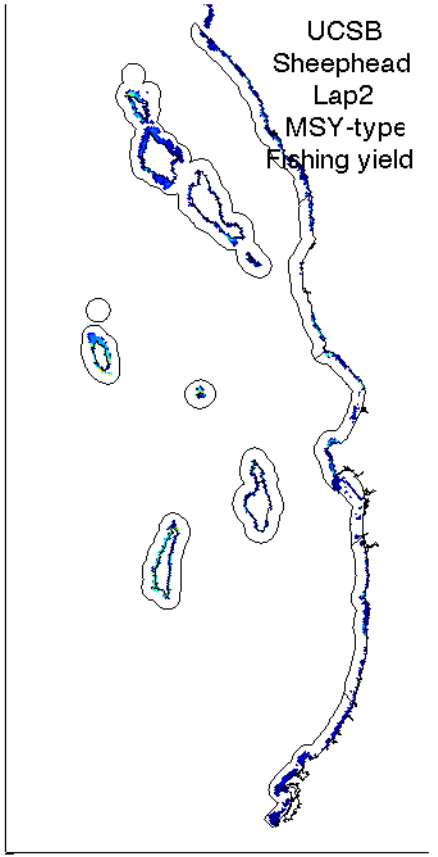


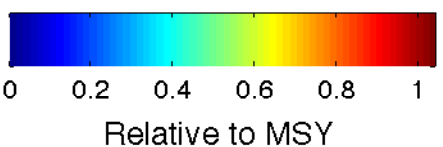
Relative to MSY maximum effort

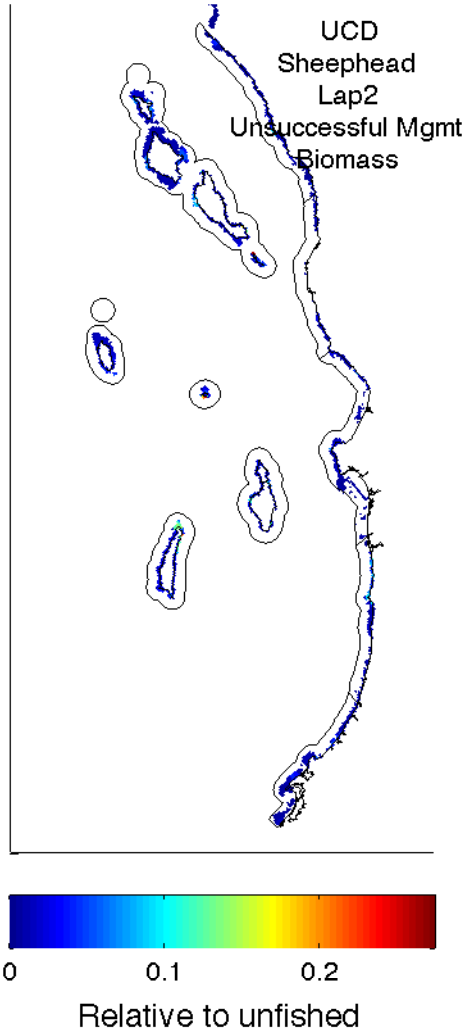

UCD
Sheephead
Lap2
MSY-type
Larval Recruitment
0.05
0.1
0.15
0.2
Proportion of Maximum

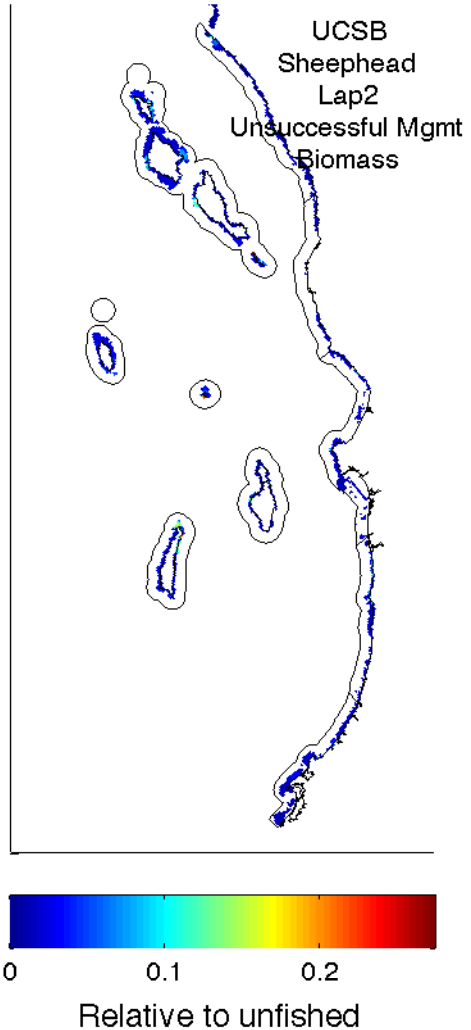

UCD
Sheephead
Lap2
MSY-type
Fishing yield

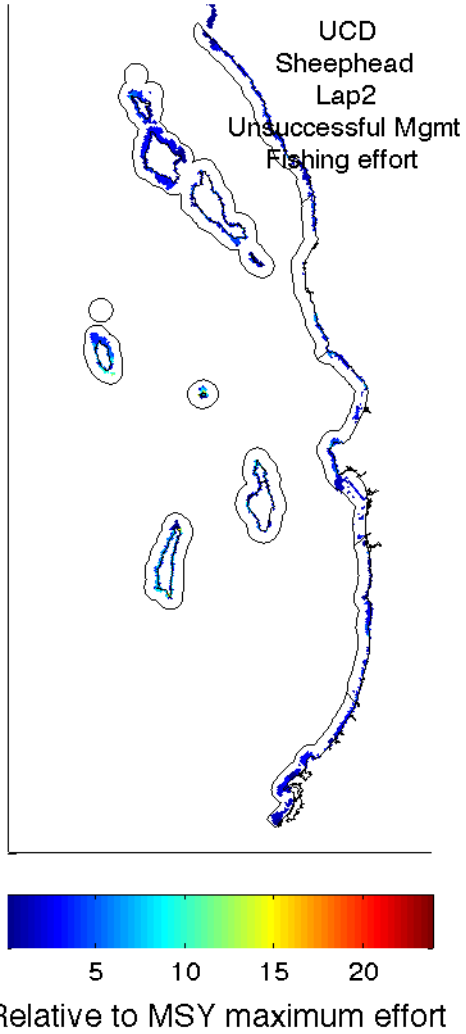

0
0.2
0.4
0.6
0.8
1
Relative to MSY

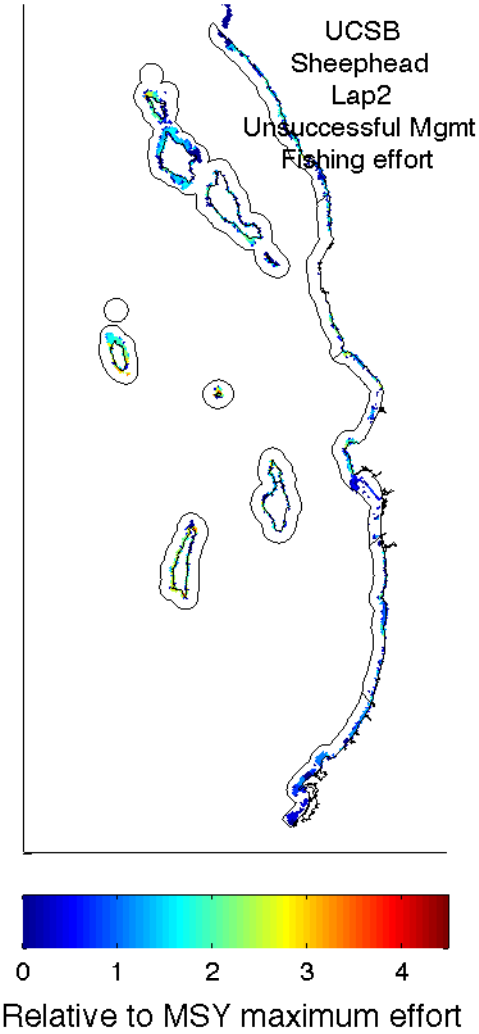

UCSB
Sheephead
Lap2
MSY-type
Fishing yield

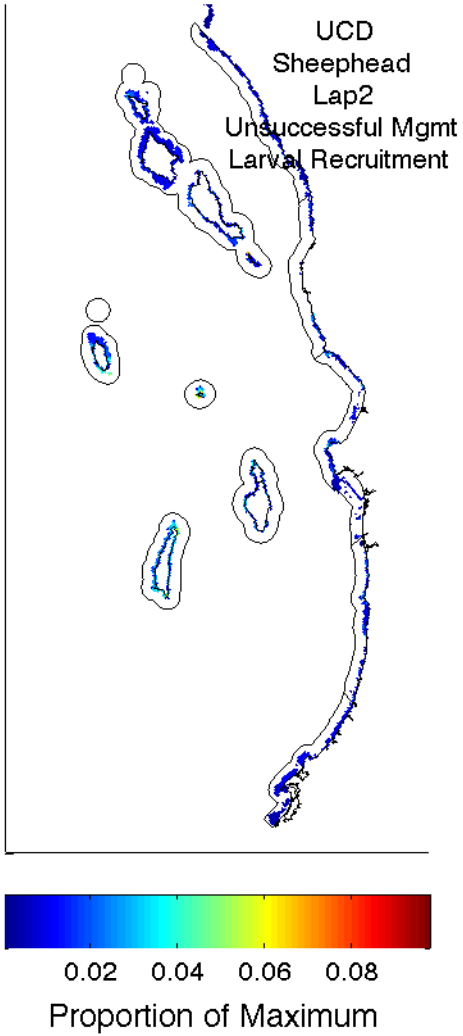

0
0.2
0.4
0.6
0.8
1
Relative to MSY

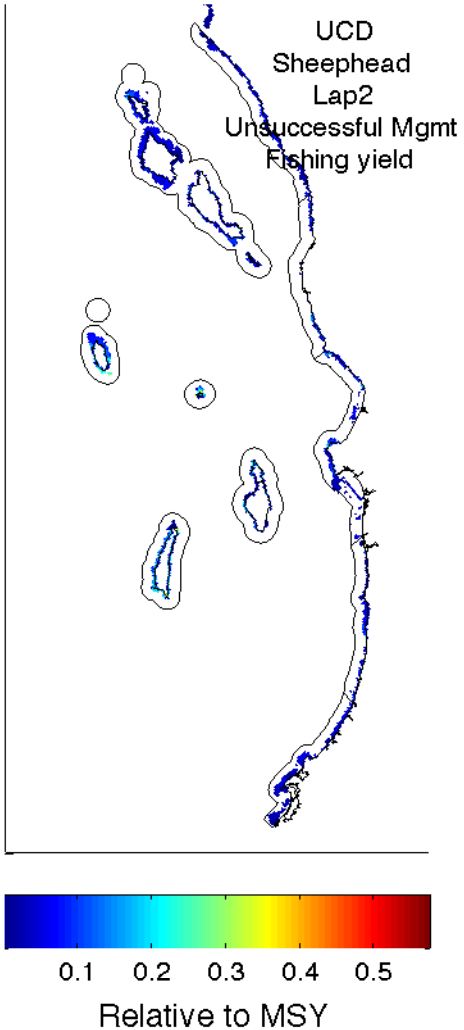

UCD
Sheephead
Lap2
Unsuccessful Mgmt
Biomass
0
0.1
0.2
Relative to unfished

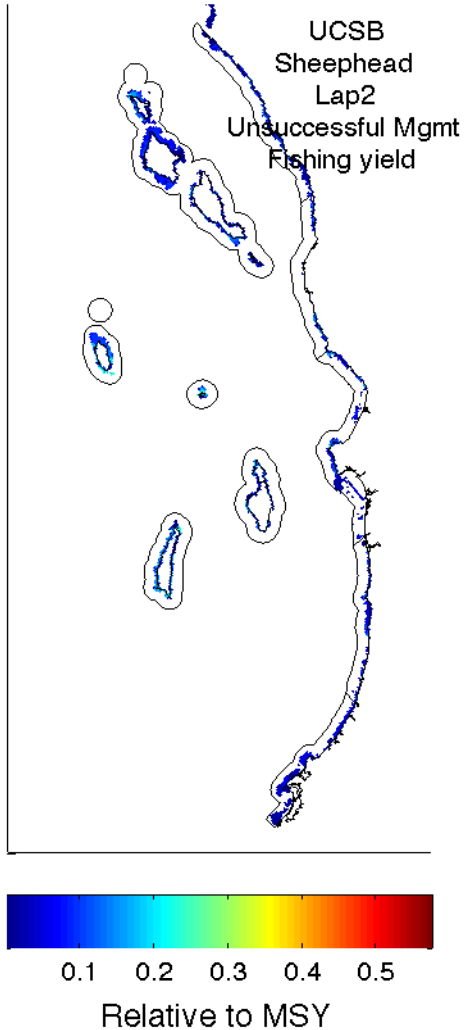

UCSB
Sheephead
Lap2
Unsuccessful Mgmt
Biomass
0
0.1
0.2
Relative to unfished


UCD
Sheephead
Lap2
Unsuccessful Mgmt
Fishing effort
5
10
15
20
Relative to MSY maximum effort


UCSB
Sheephead
Lap2
Unsuccessful Mgmt
Fishing effort
0
1
2
3
4
Relative to MSY maximum effort


UCD
Sheephead
Lap2
Unsuccessful Mgmt
Larval Recruitment
0.02
0.04
0.06
0.08
Proportion of Maximum


UCD
Sheephead
Lap2
Unsuccessful Mgmt
Fishing yield
0.1
0.2
0.3
0.4
0.5
Relative to MSY


UCSB
Sheephead
Lap2
Unsuccessful Mgmt
Fishing yield
0.1
0.2
0.3
0.4
0.5
Relative to MSY