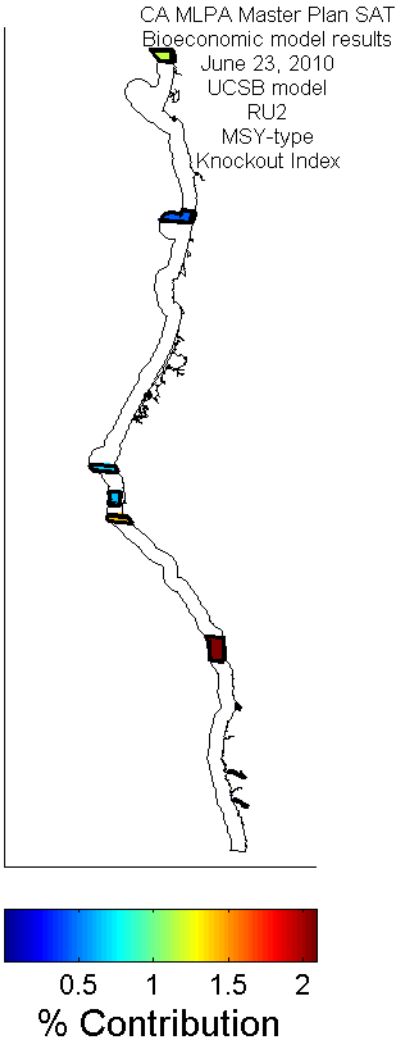
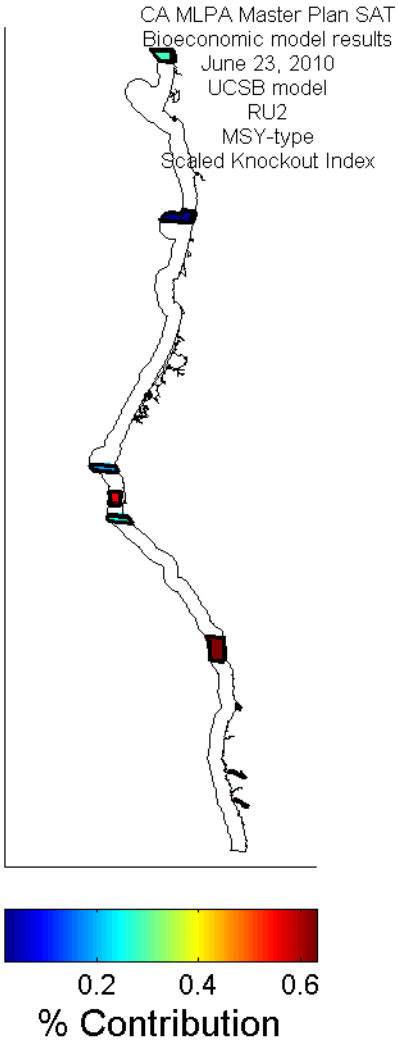
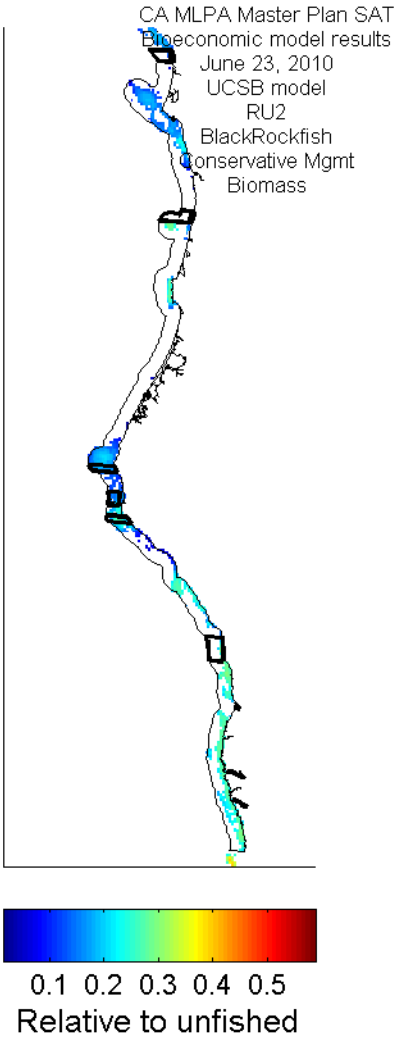
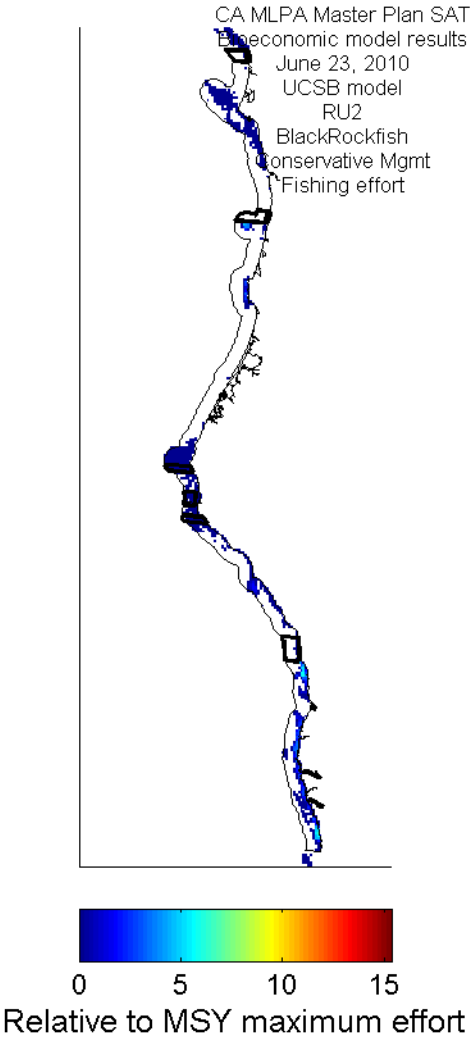
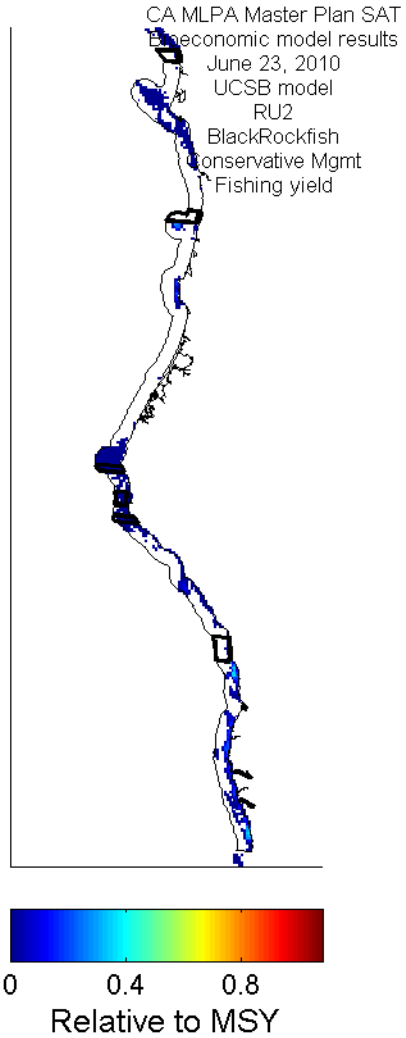
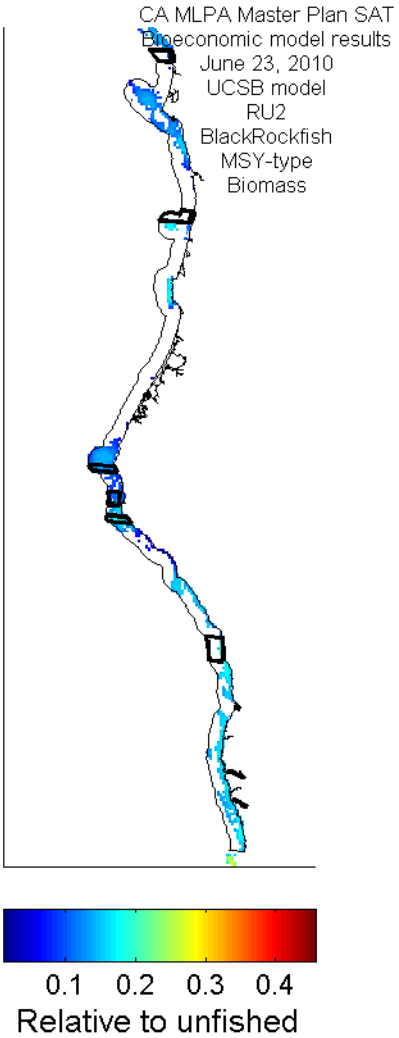

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
MSY-type
Knockout Index
0.5
1
1.5
2
% Contribution

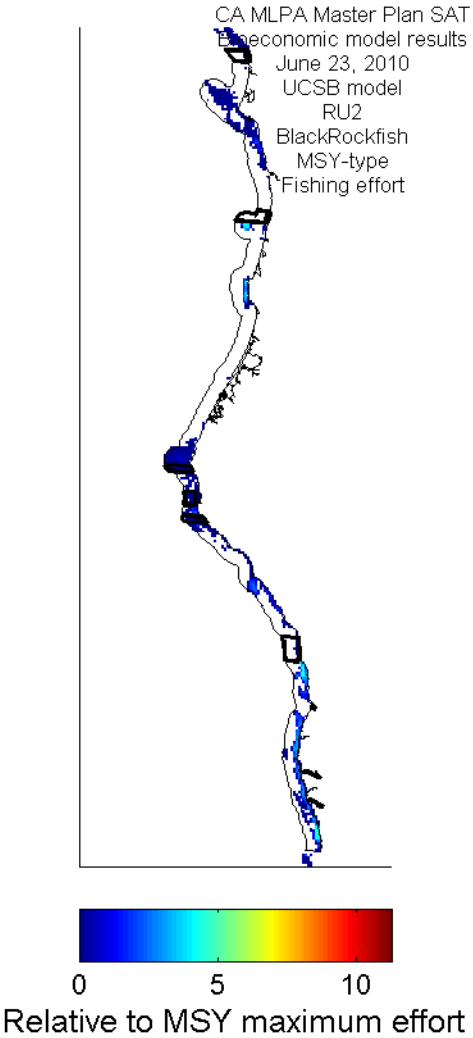

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
MSY-type
Scaled Knockout Index
0.2
0.4
0.6
% Contribution

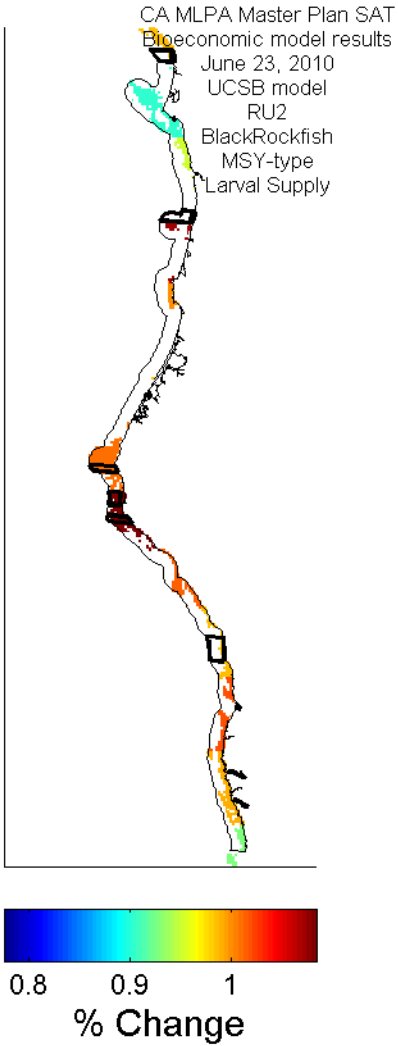

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
BlackRockfish
Conservative Mgmt
Biomass
0.1 0.2 0.3 0.4 0.5
Relative to unfished

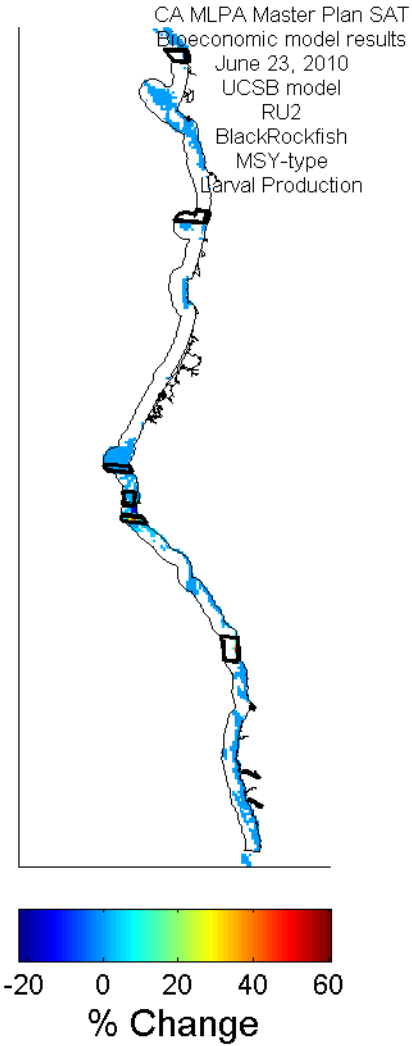

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
BlackRockfish
Conservative Mgmt
Fishing effort
0
5
10
15
Relative to MSY maximum effort

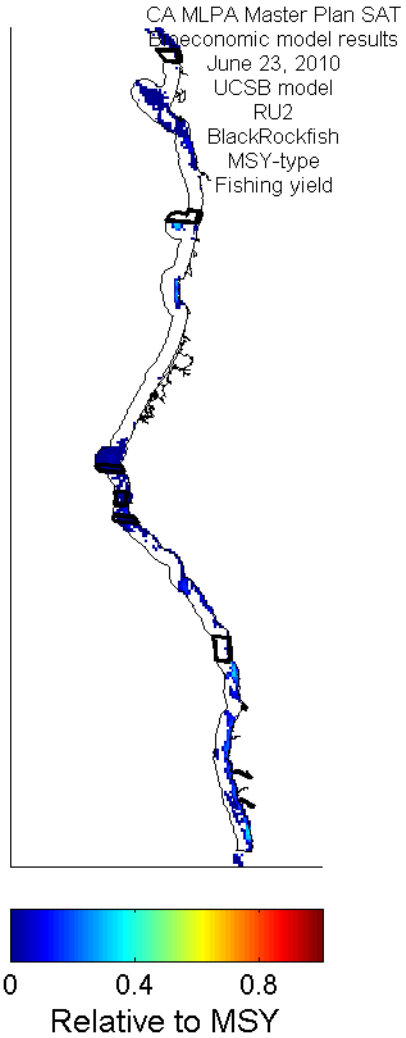

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
BlackRockfish
Conservative Mgmt
Fishing yield
0
0.4
0.8
Relative to MSY

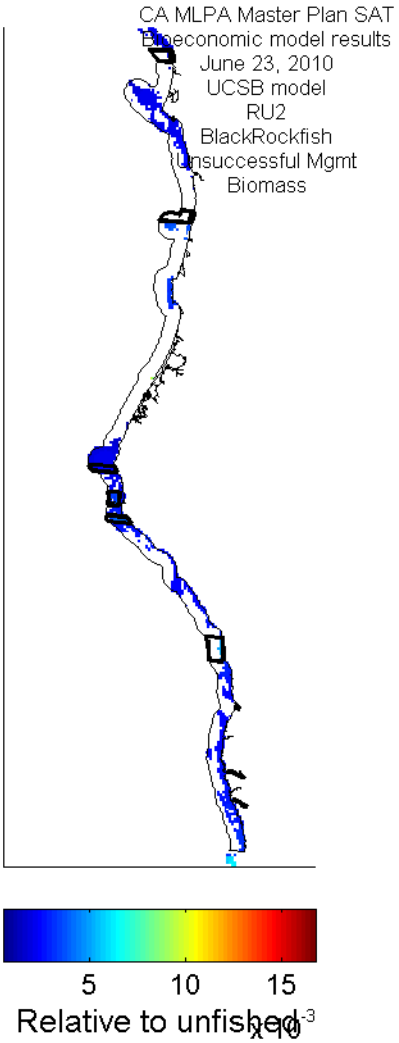

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
BlackRockfish
MSY-type
Biomass
0.1
0.2
0.3
0.4
Relative to unfished

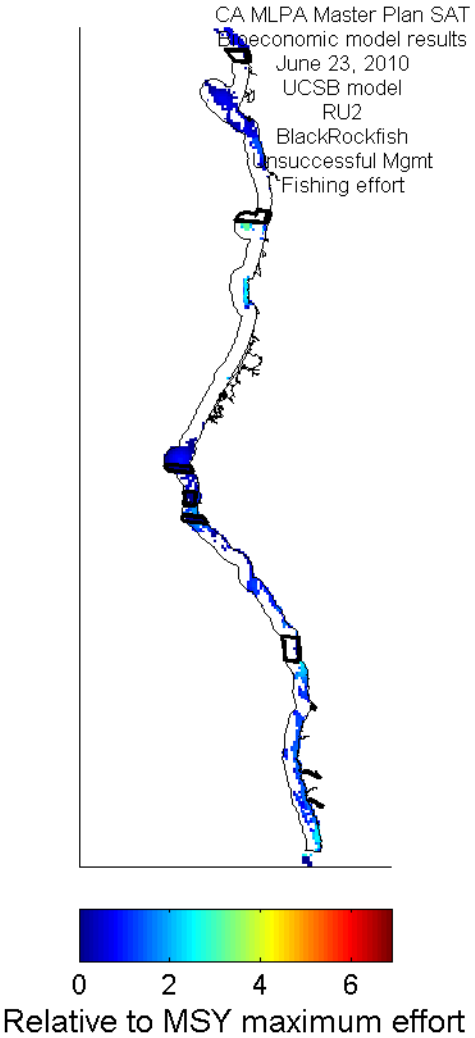

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
BlackRockfish
MSY-type
Fishing effort
0
5
10
Relative to MSY maximum effort

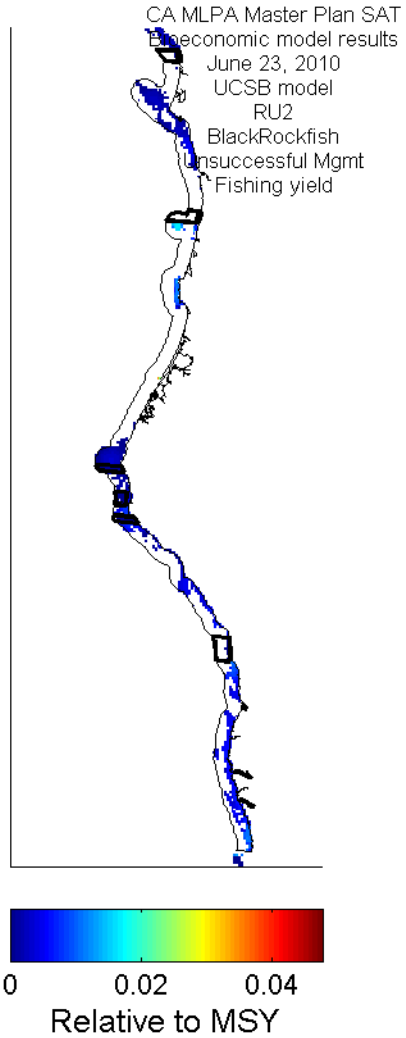

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
BlackRockfish
MSY-type
Larval Supply
0.8
0.9
1
% Change

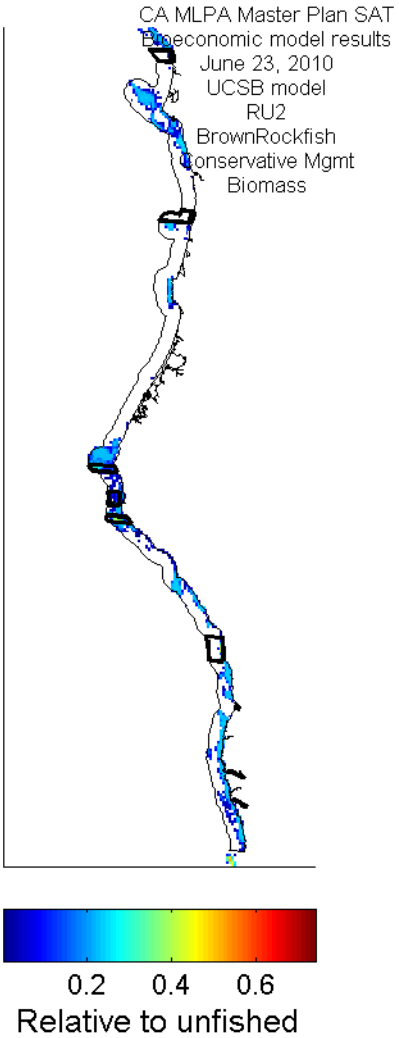

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
BlackRockfish
MSY-type
Larval Production
-20
0
20
40
60
% Change

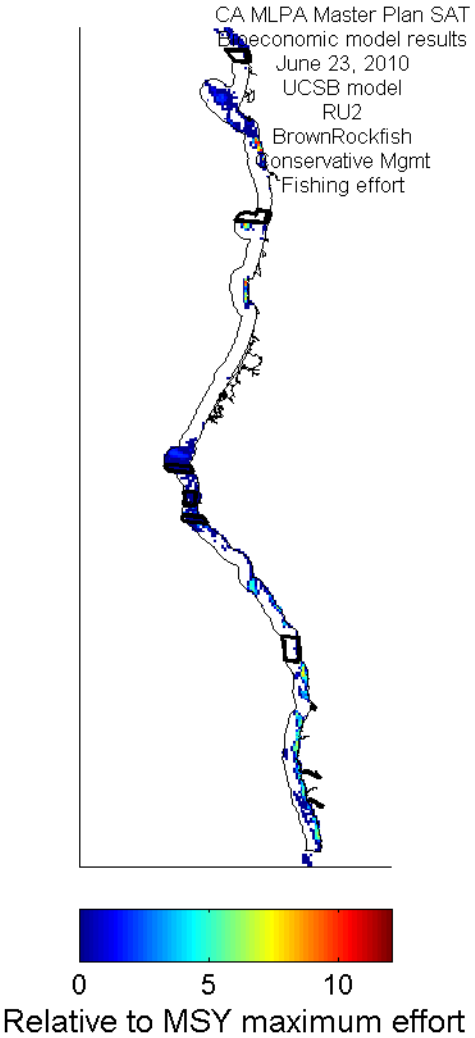

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
BlackRockfish
MSY-type
Fishing yield
0
0.4
0.8
Relative to MSY

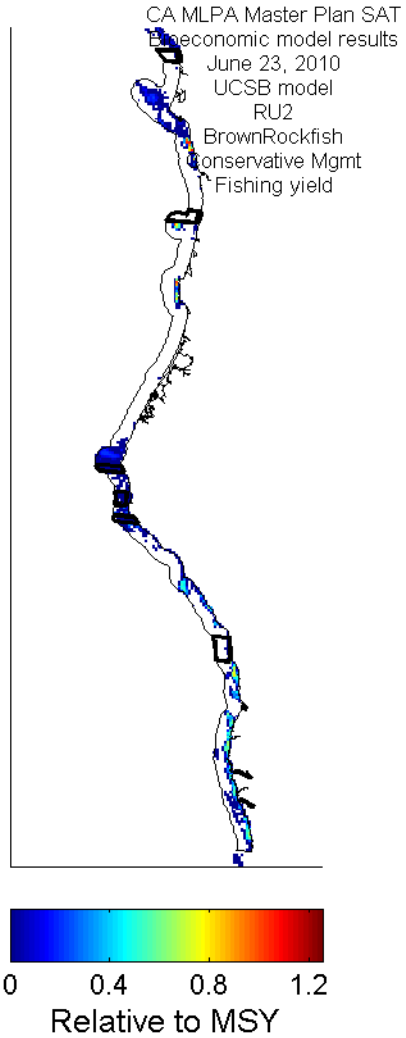

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
BlackRockfish
Unsuccessful Mgmt
Biomass
5
10
15
x10-3
Relative to unfished

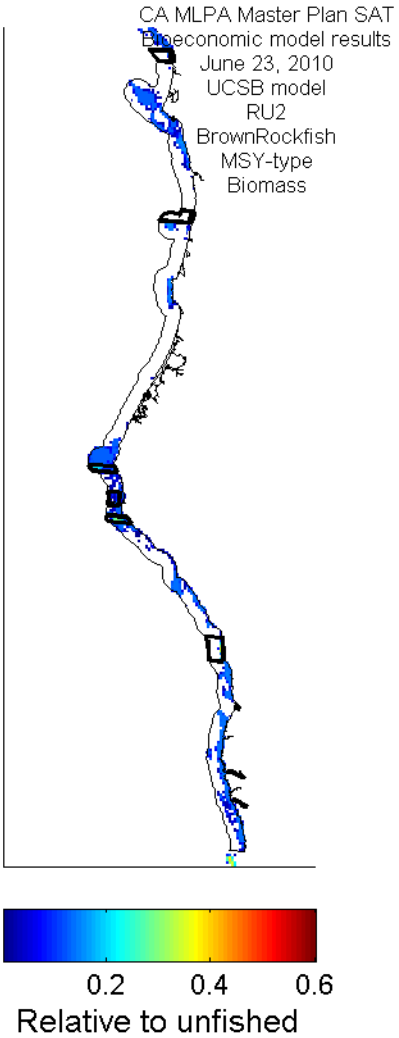

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
BlackRockfish
Unsuccessful Mgmt
Fishing effort
0
2
4
6
Relative to MSY maximum effort

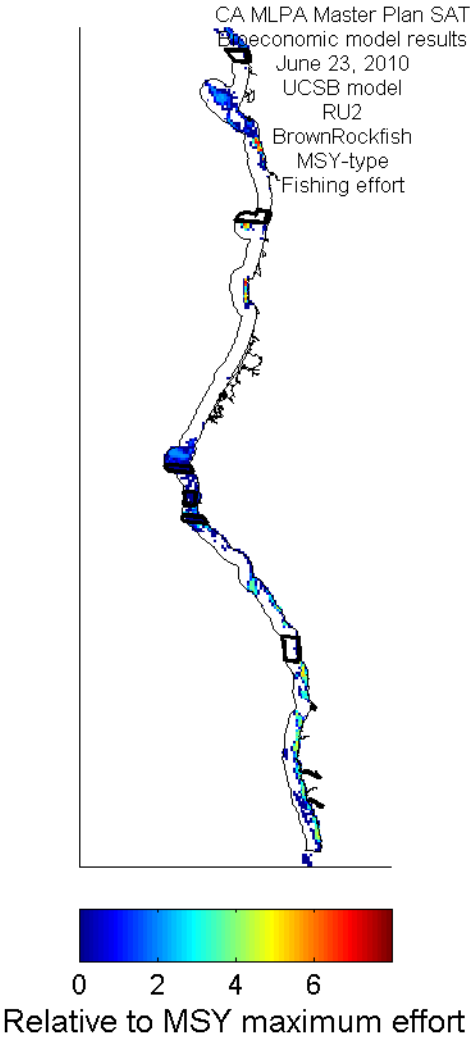

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
BlackRockfish
Unsuccessful Mgmt
Fishing yield
0
0.02
0.04
Relative to MSY


CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
BrownRockfish
Conservative Mgmt
Biomass
0.2
0.4
0.6
Relative to unfished

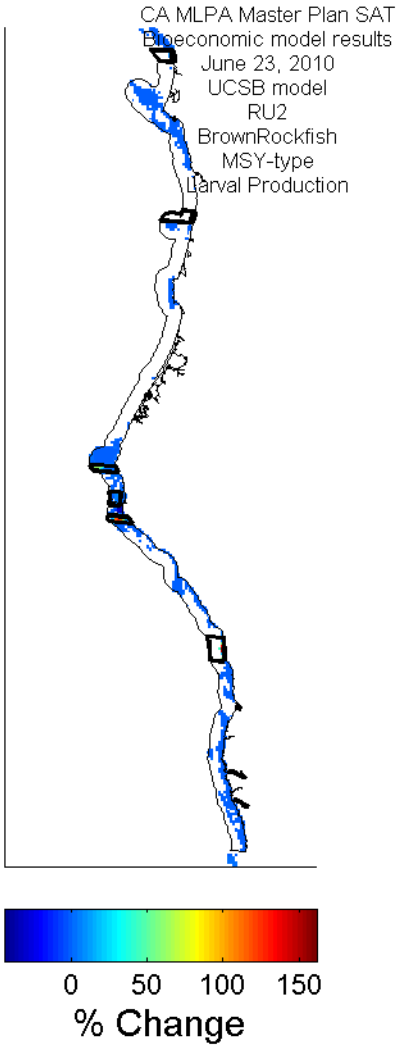

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
BrownRockfish
Conservative Mgmt
Fishing effort
0
5
10
Relative to MSY maximum effort

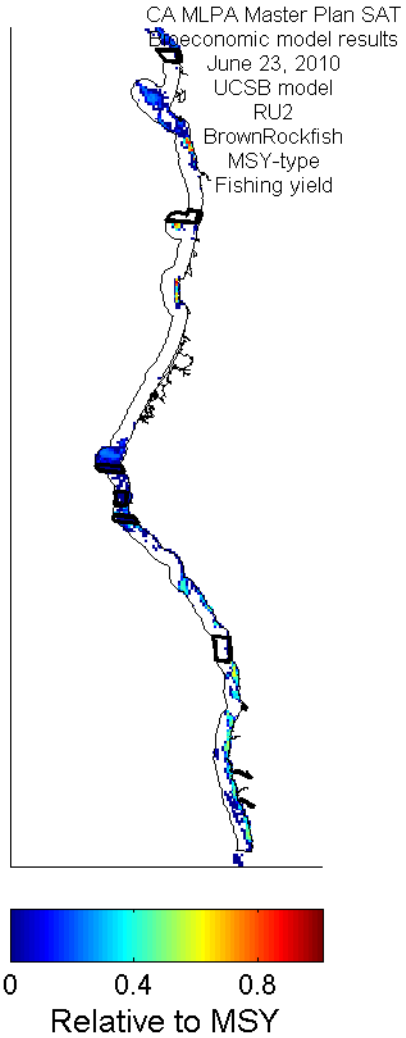

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
BrownRockfish
Conservative Mgmt
Fishing yield
0
0.4
0.8
1.2
Relative to MSY

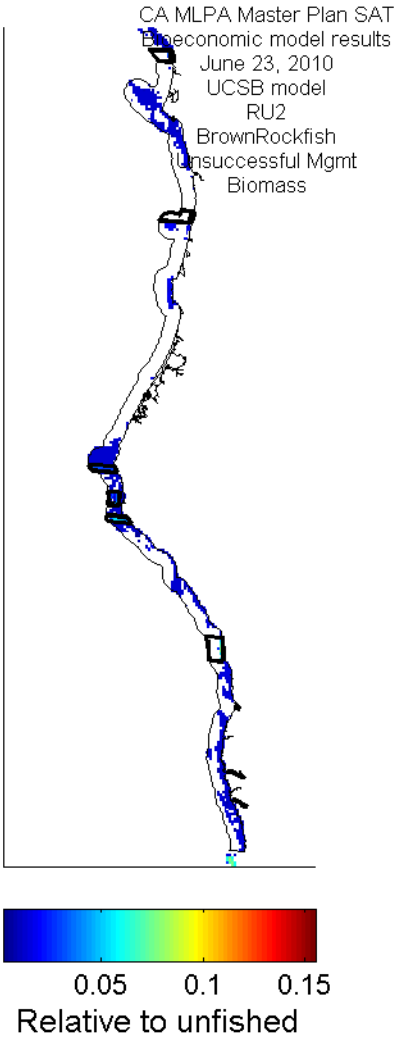

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
BrownRockfish
MSY-type
Biomass
0.2
0.4
0.6
Relative to unfished

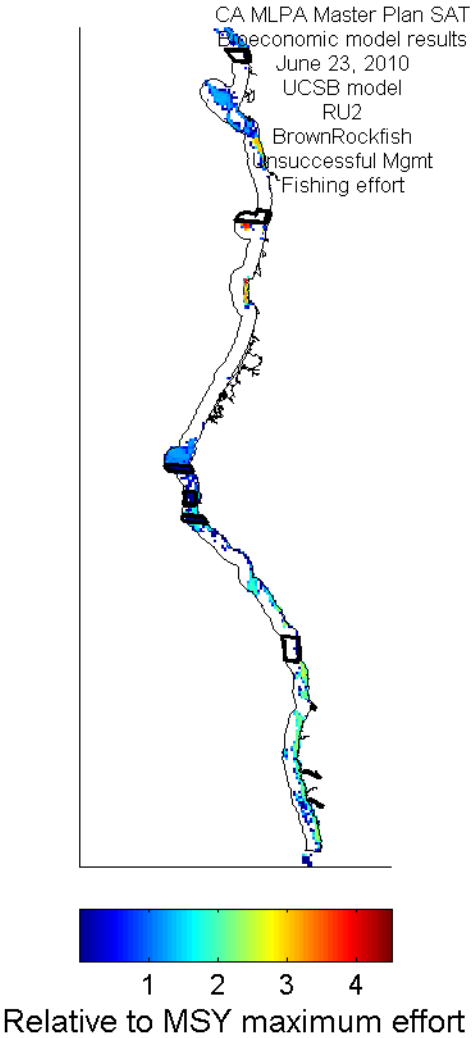

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
BrownRockfish
MSY-type
Fishing effort
0
2
4
6
Relative to MSY maximum effort

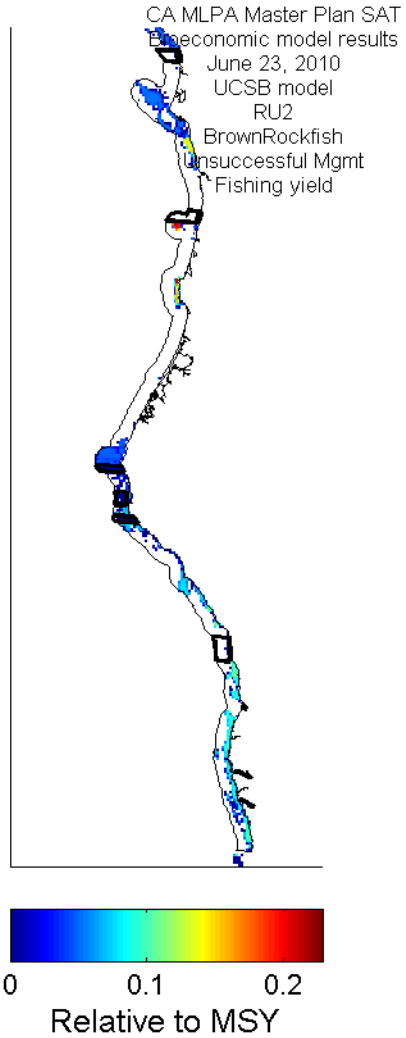
CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
BrownRockfish
MSY-type
Larval Supply
1.5
2
2.5
% Change

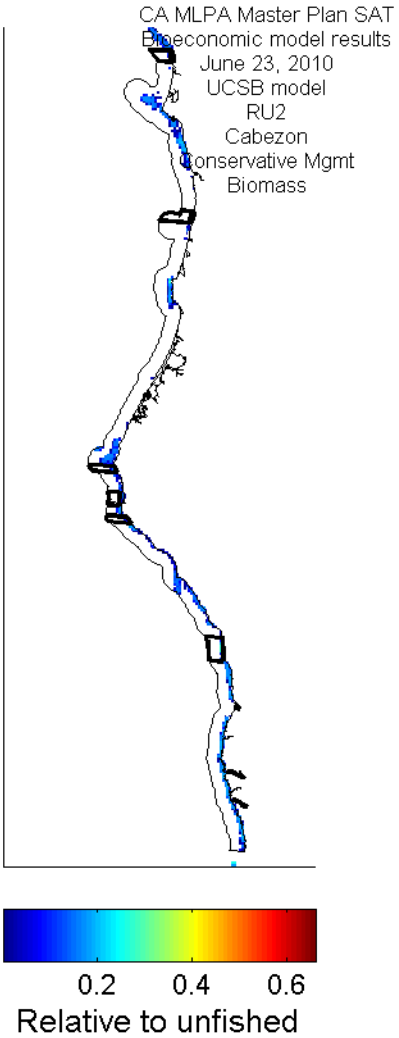

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
BrownRockfish
MSY-type
Larval Production
0
50
100
150
% Change

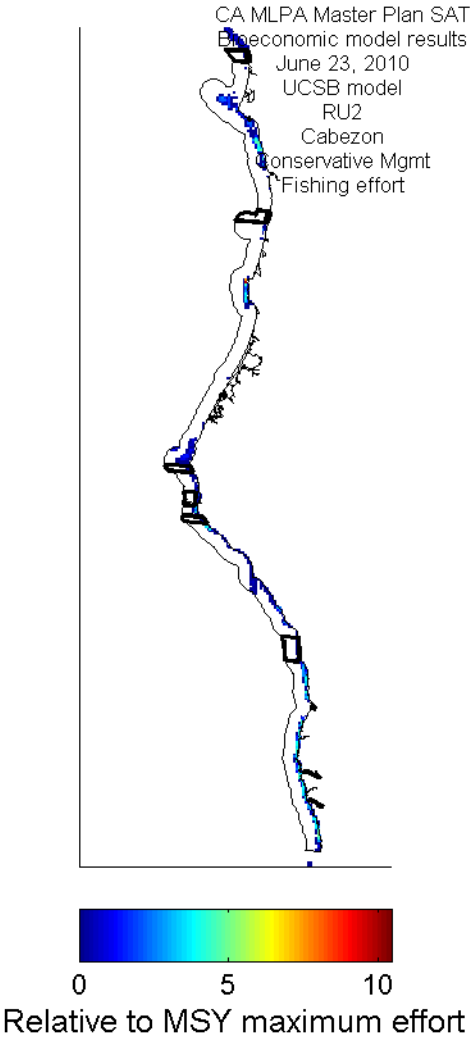

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
BrownRockfish
MSY-type
Fishing yield
0
0.4
0.8
Relative to MSY

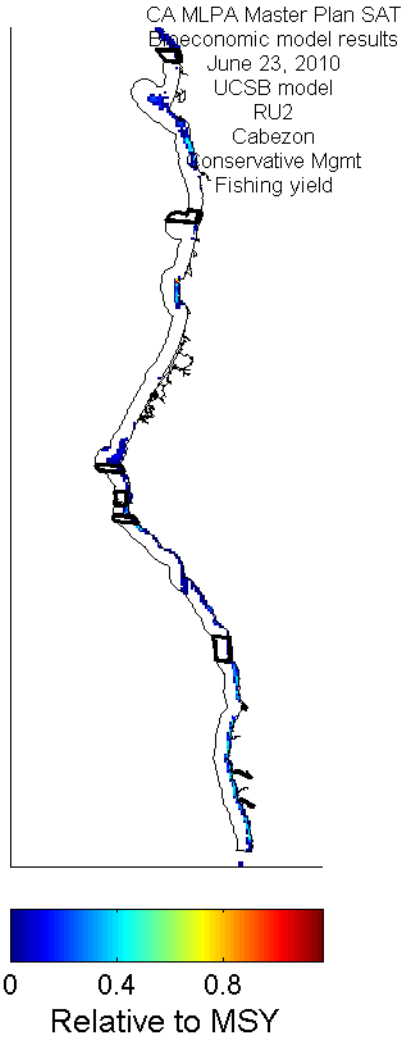

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
BrownRockfish
Unsuccessful Mgmt
Biomass
0.05
0.1
0.15
Relative to unfished

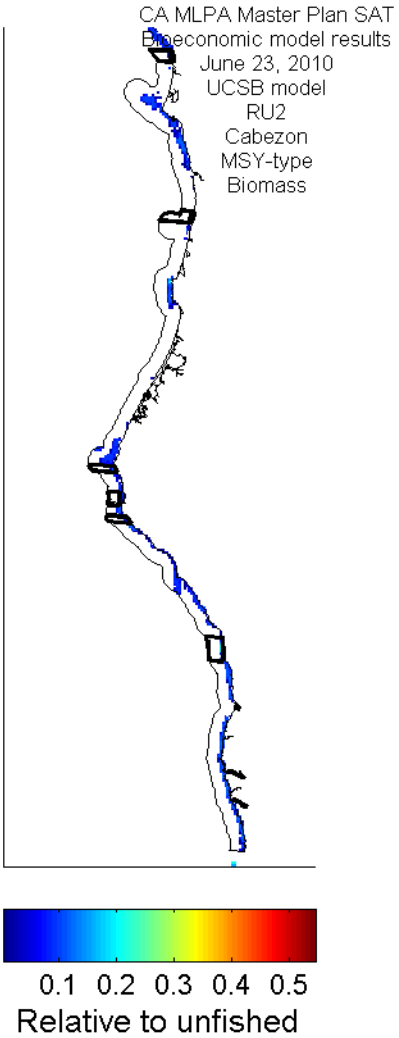

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
BrownRockfish
Unsuccessful Mgmt
Fishing effort
1
2
3
4
Relative to MSY maximum effort

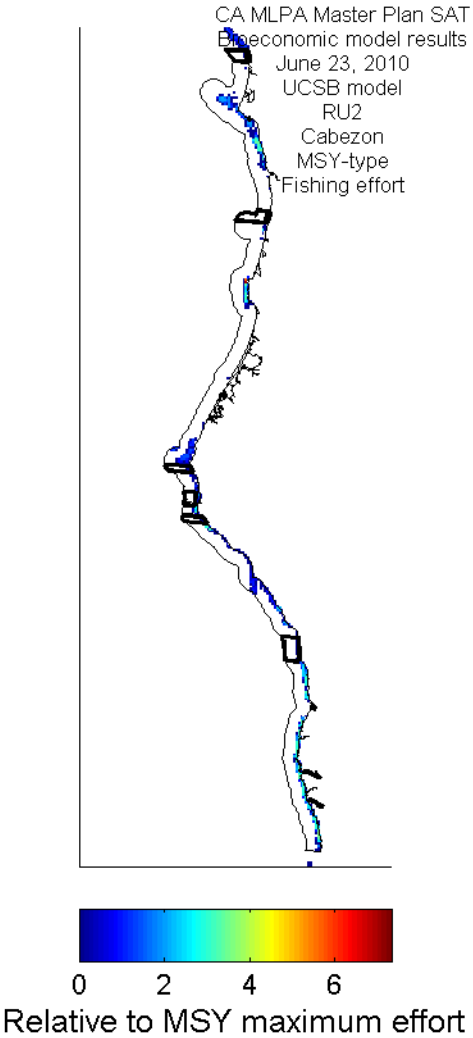

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
BrownRockfish
Unsuccessful Mgmt
Fishing yield
0
0.1
0.2
Relative to MSY

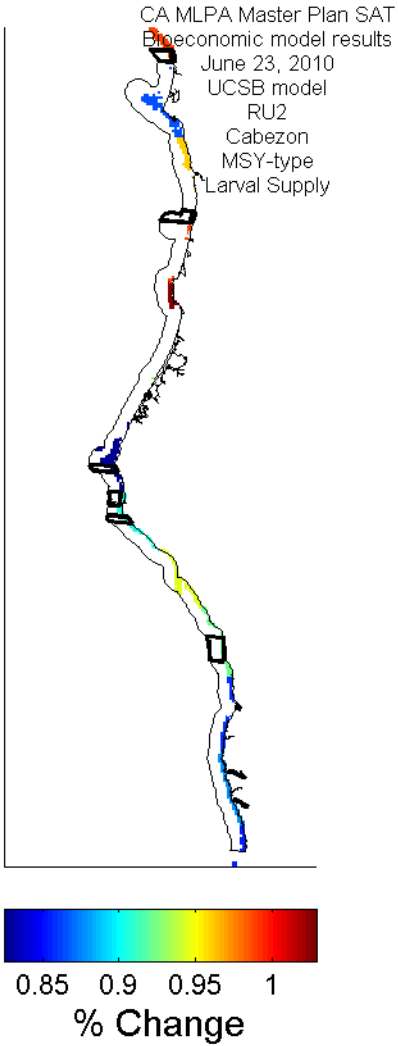

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
Cabezon
Conservative Mgmt
Biomass
0.2
0.4
0.6
Relative to unfished

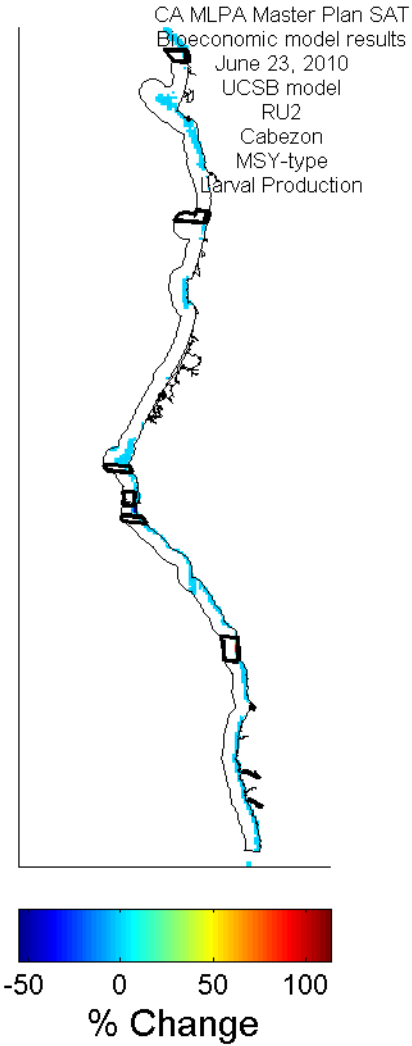

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
Cabezon
Conservative Mgmt
Fishing effort
0
5
10
Relative to MSY maximum effort

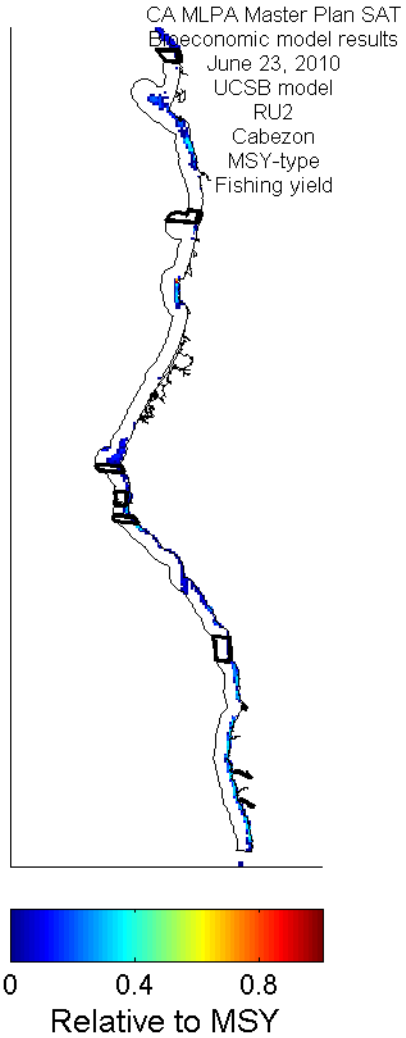

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
Cabezon
Conservative Mgmt
Fishing yield
0
0.4
0.8
Relative to MSY

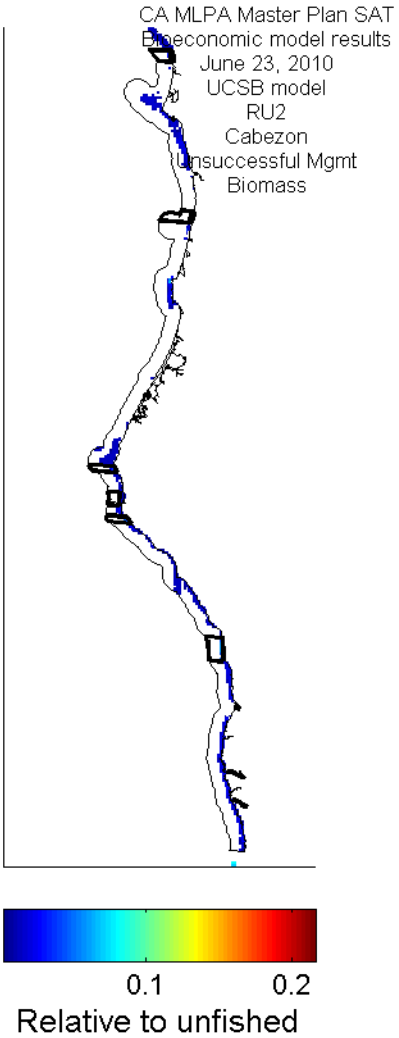

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
Cabezon
MSY-type
Biomass
0.1 0.2 0.3 0.4 0.5
Relative to unfished

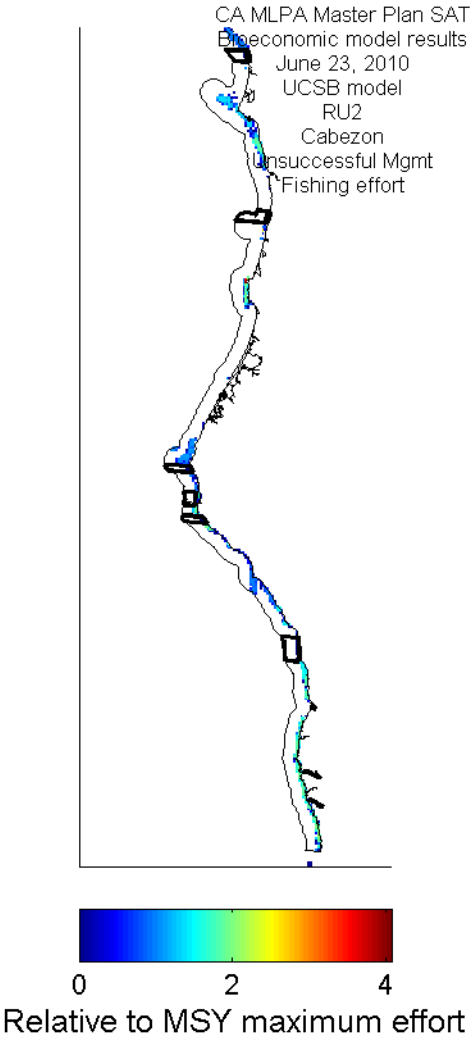

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
Cabezon
MSY-type
Fishing effort
0
2
4
6
Relative to MSY maximum effort

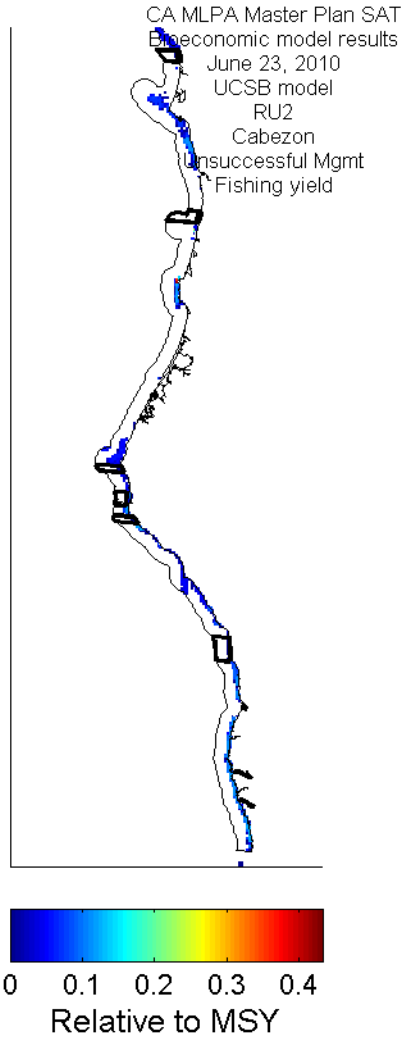

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
Cabezon
MSY-type
Larval Supply
0.85
0.9
0.95
1
% Change

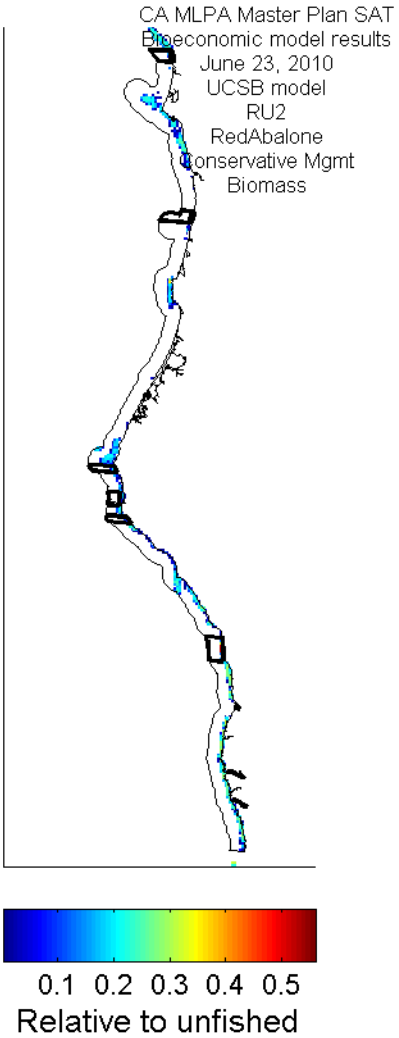

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
Cabezon
MSY-type
Larval Production
-50
0
50
100
% Change

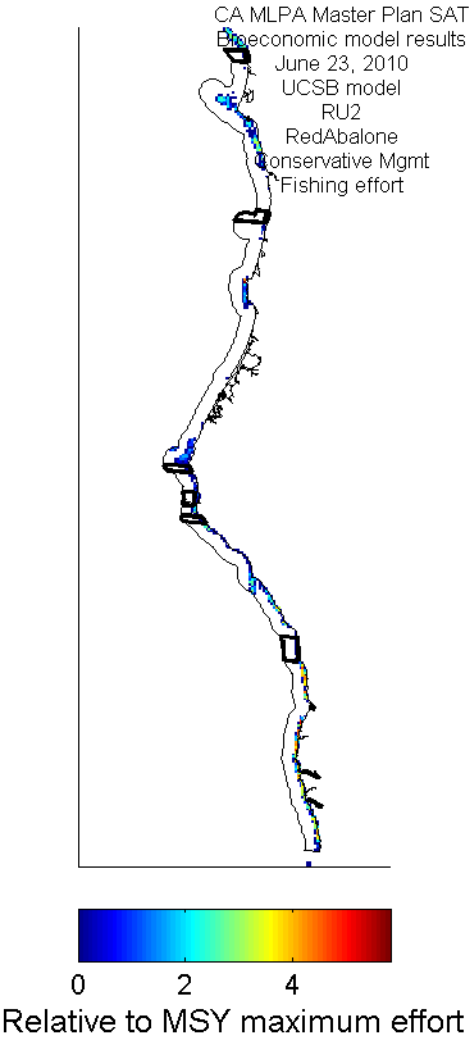

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
Cabezon
MSY-type
Fishing yield
0
0.4
0.8
Relative to MSY

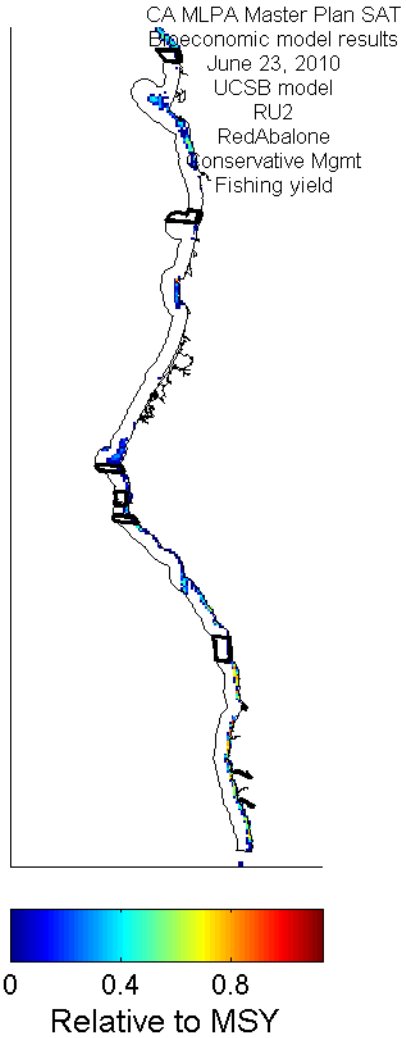

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
Cabezon
Unsuccessful Mgmt
Biomass
0.1
0.2
Relative to unfished

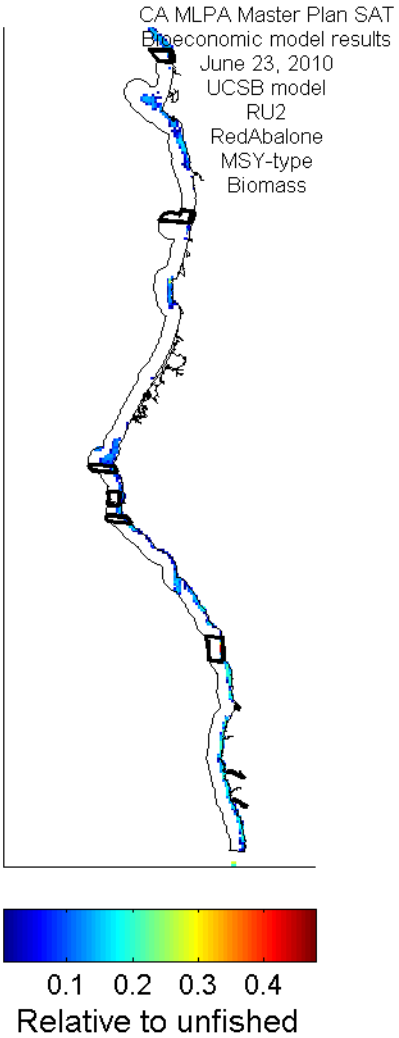

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
Cabezon
Unsuccessful Mgmt
Fishing effort
0
2
4
Relative to MSY maximum effort

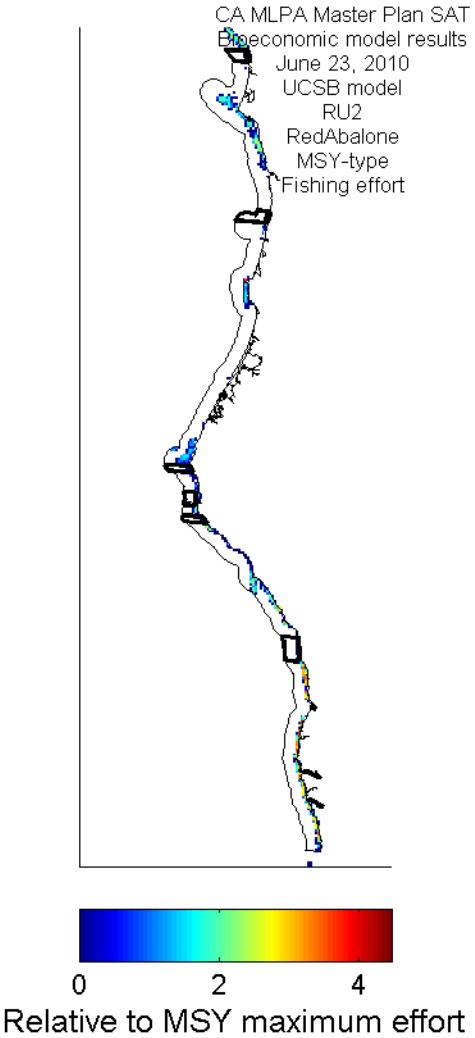

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
Cabezon
Unsuccessful Mgmt
Fishing yield
0
0.1
0.2
0.3
0.4
Relative to MSY

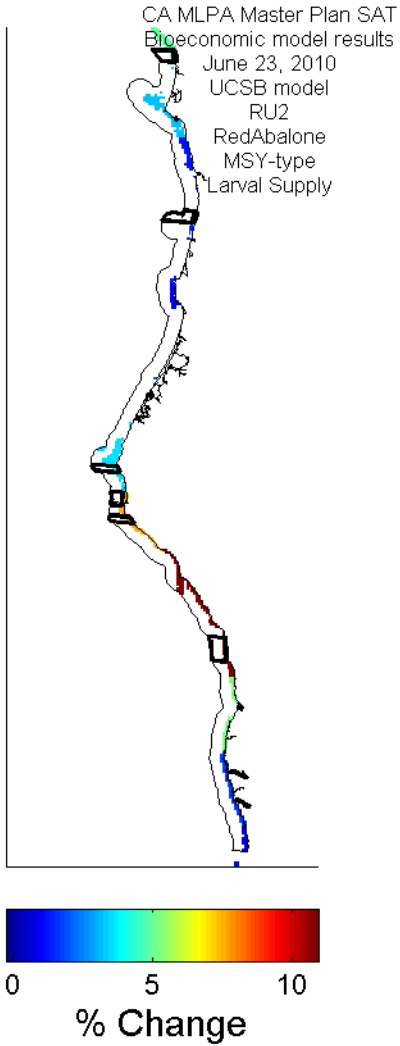

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
RedAbalone
Conservative Mgmt
Biomass
0.1 0.2 0.3 0.4 0.5
Relative to unfished

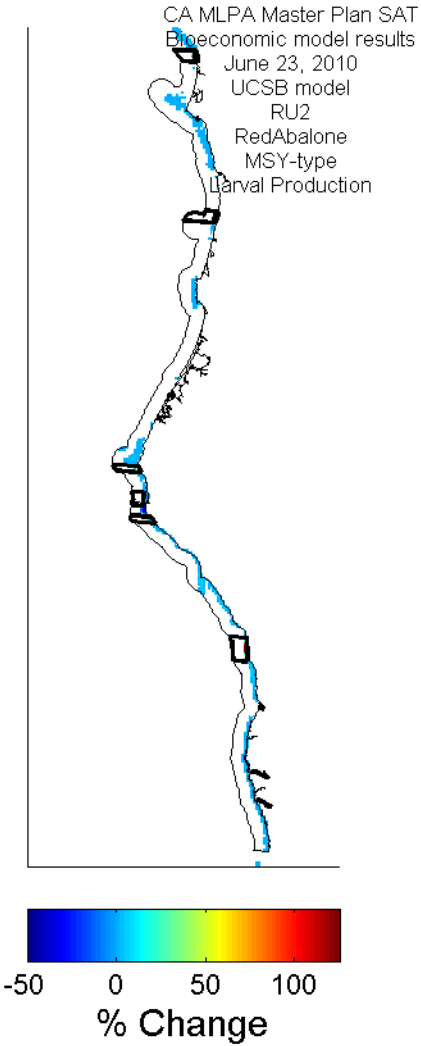

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
RedAbalone
Conservative Mgmt
Fishing effort
0
2
4
Relative to MSY maximum effort

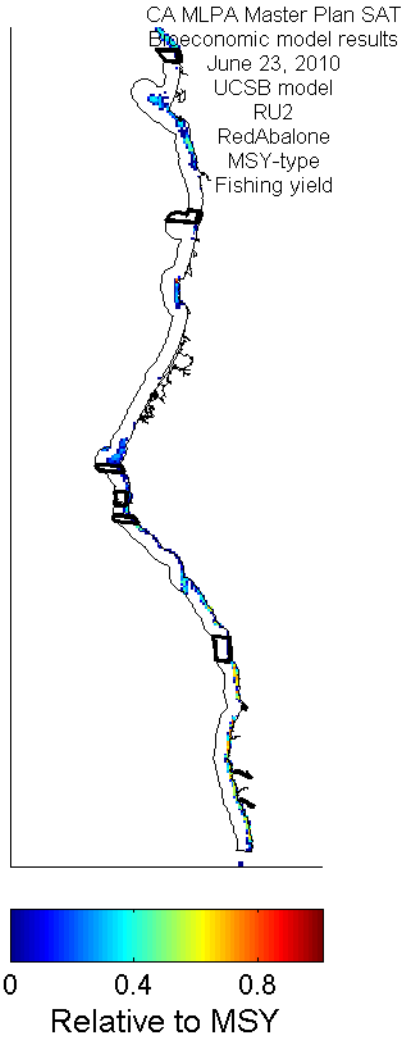

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
RedAbalone
Conservative Mgmt
Fishing yield
0
0.4
0.8
Relative to MSY

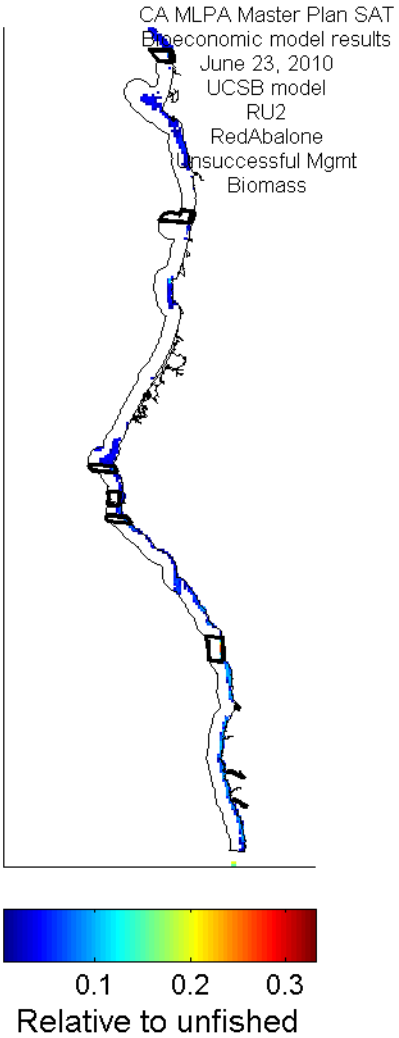

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
RedAbalone
MSY-type
Biomass
0.1
0.2
0.3
0.4
Relative to unfished

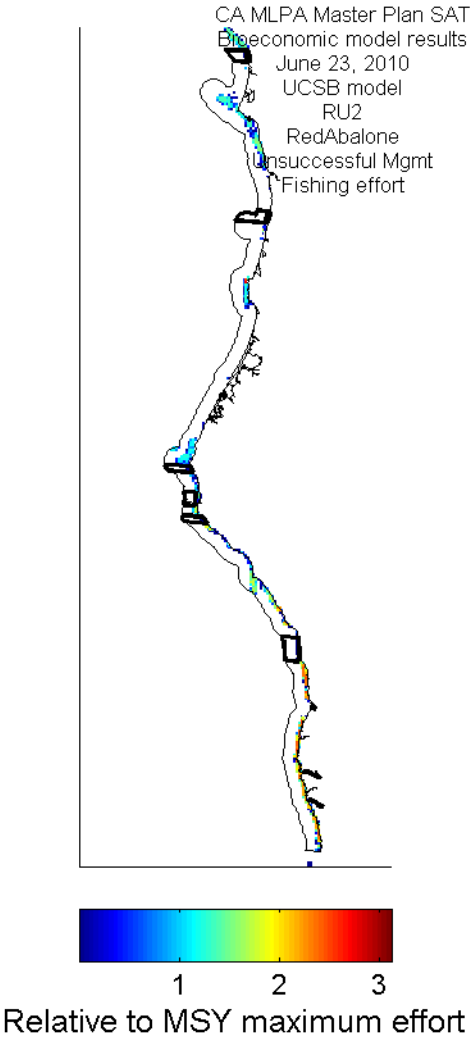

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
RedAbalone
MSY-type
Fishing effort
0
2
4
Relative to MSY maximum effort

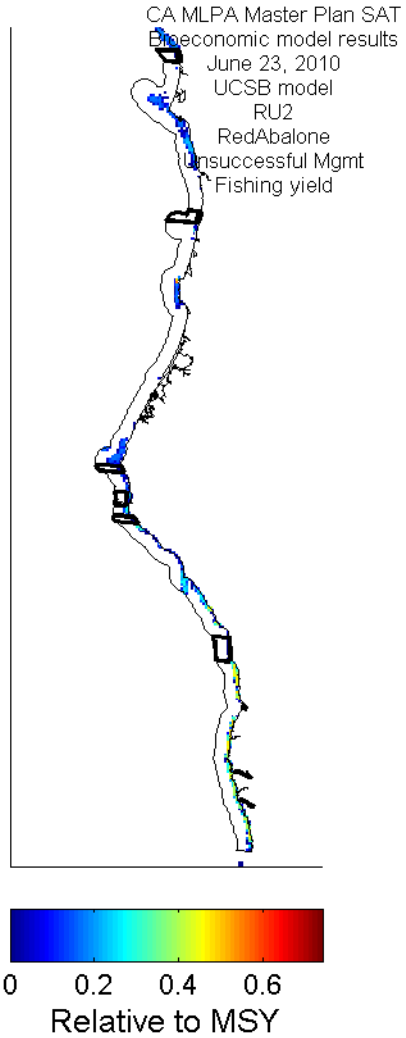

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
RedAbalone
MSY-type
Larval Supply
0
5
10
% Change

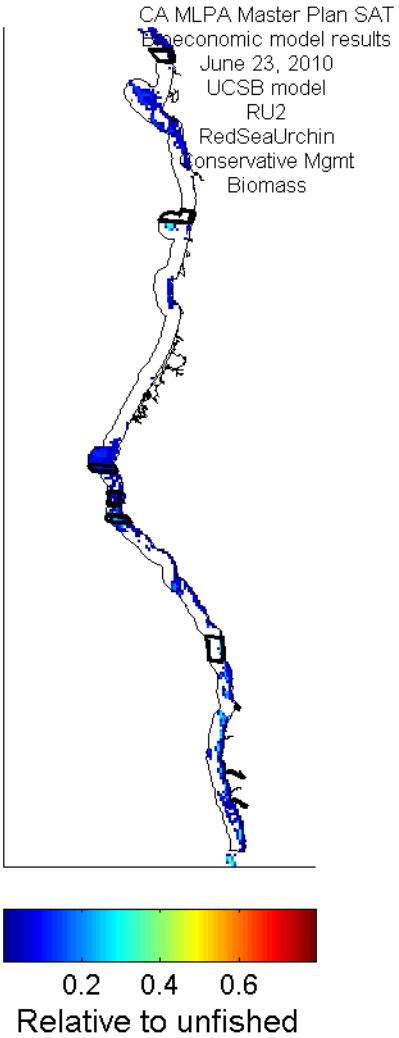

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
RedAbalone
MSY-type
Larval Production
-50
0
50
100
% Change

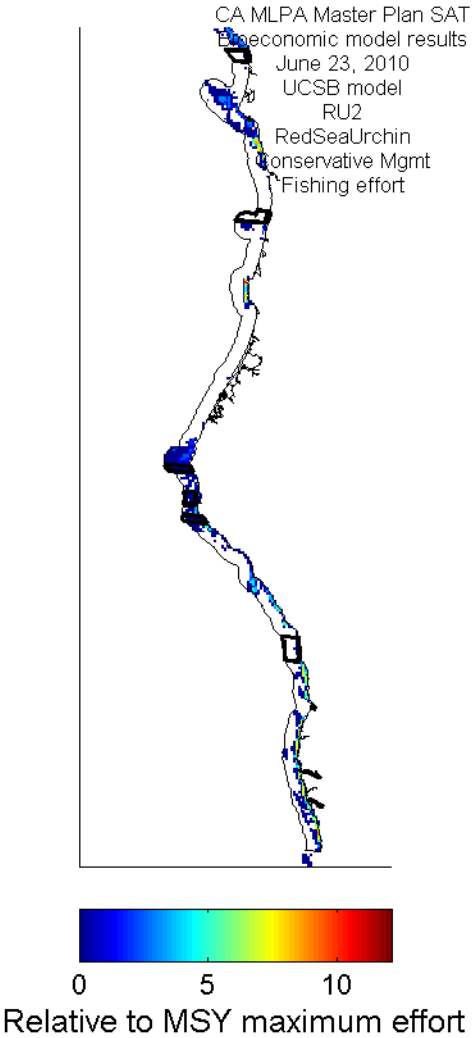

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
RedAbalone
MSY-type
Fishing yield
0
0.4
0.8
Relative to MSY

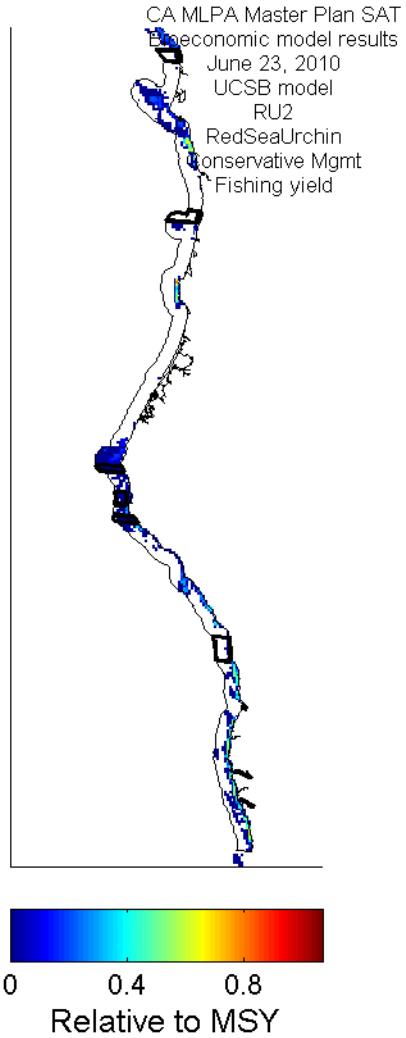

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
RedAbalone
Unsuccessful Mgmt
Biomass
0.1
0.2
0.3
Relative to unfished

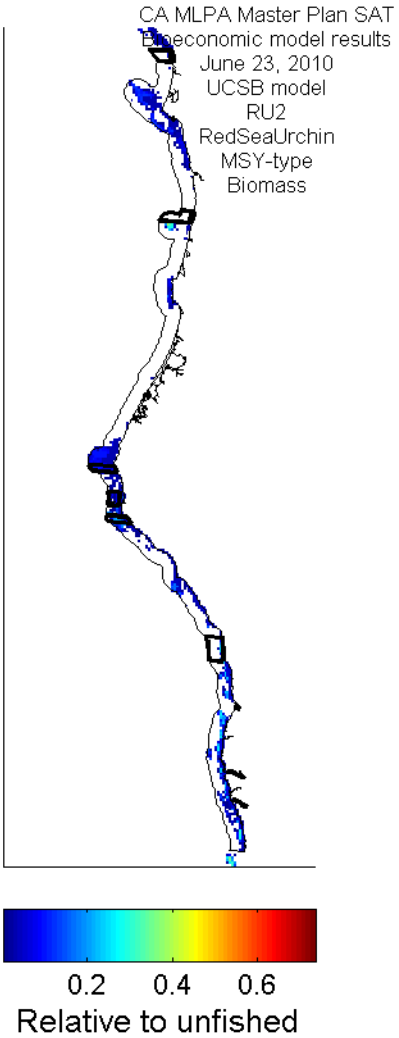

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
RedAbalone
Unsuccessful Mgmt
Fishing effort
1
2
3
Relative to MSY maximum effort

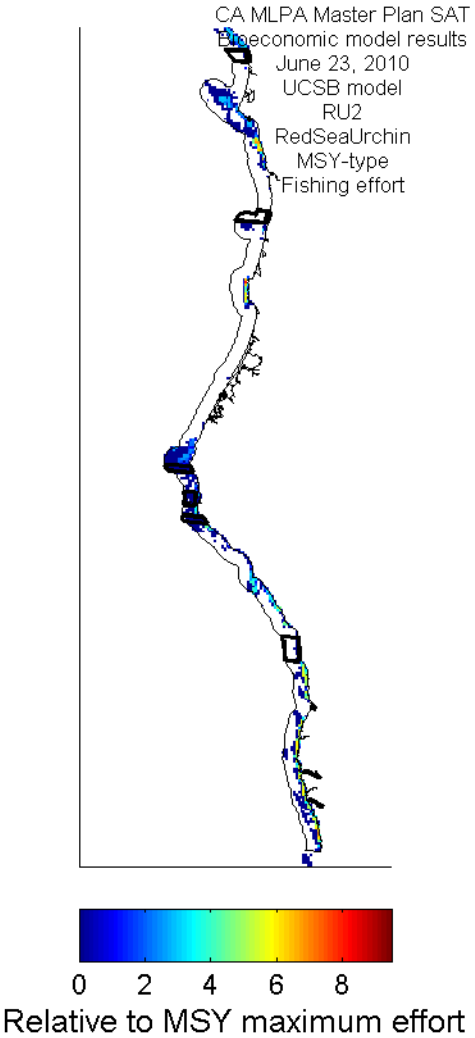

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
RedAbalone
Unsuccessful Mgmt
Fishing yield
0
0.2
0.4
0.6
Relative to MSY

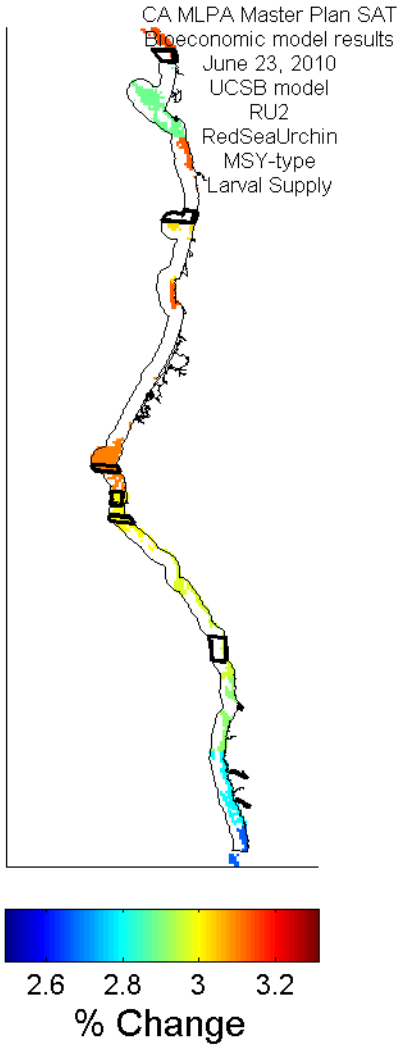

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
RedSeaUrchin
Conservative Mgmt
Biomass
0.2
0.4
0.6
Relative to unfished

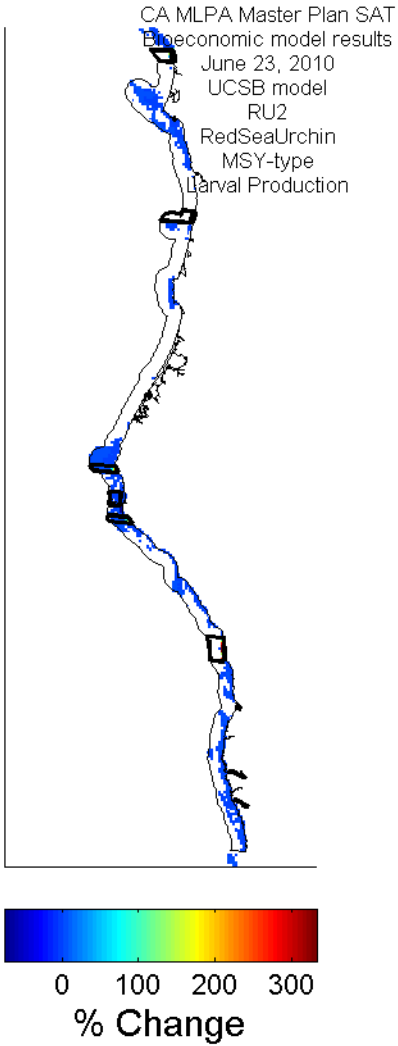

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
RedSeaUrchin
Conservative Mgmt
Fishing effort
0
5
10
Relative to MSY maximum effort

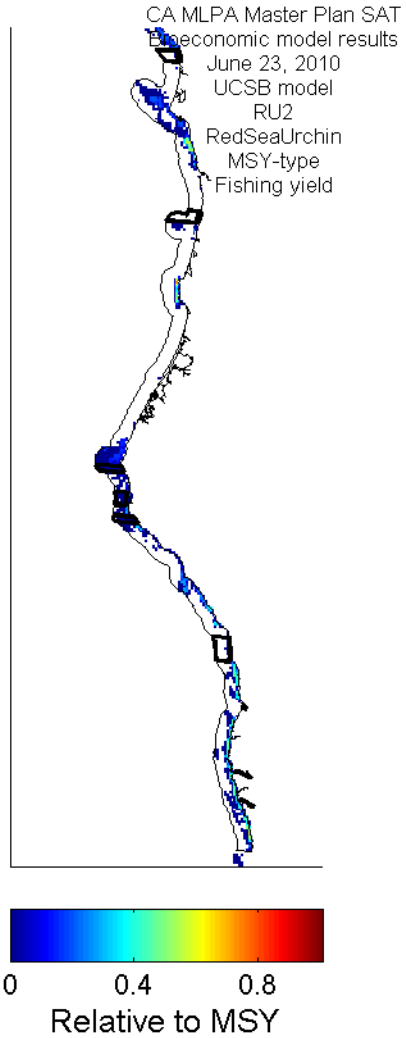

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
RedSeaUrchin
Conservative Mgmt
Fishing yield
0
0.4
0.8
Relative to MSY

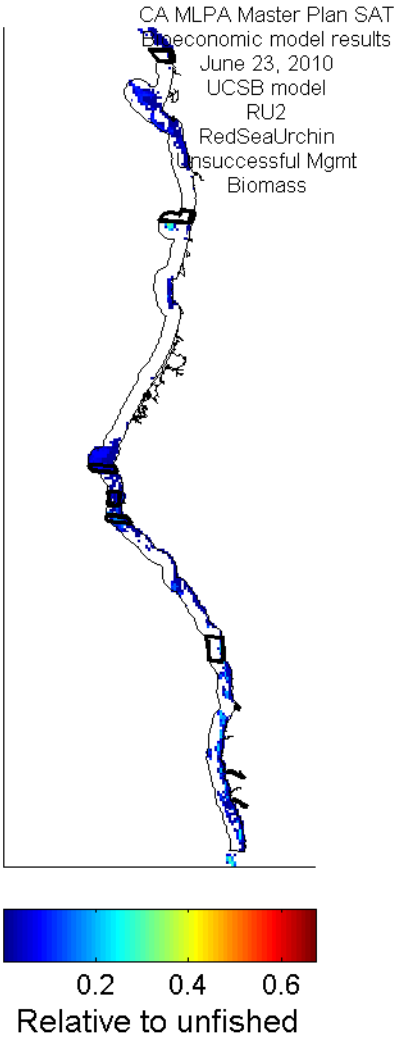

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
RedSeaUrchin
MSY-type
Biomass
0.2
0.4
0.6
Relative to unfished

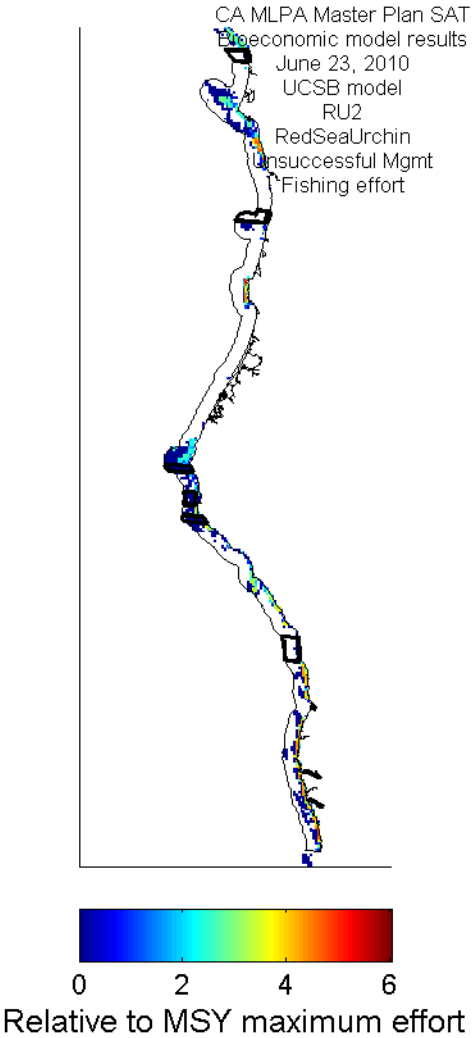

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
RedSeaUrchin
MSY-type
Fishing effort
0
2
4
6
8
Relative to MSY maximum effort

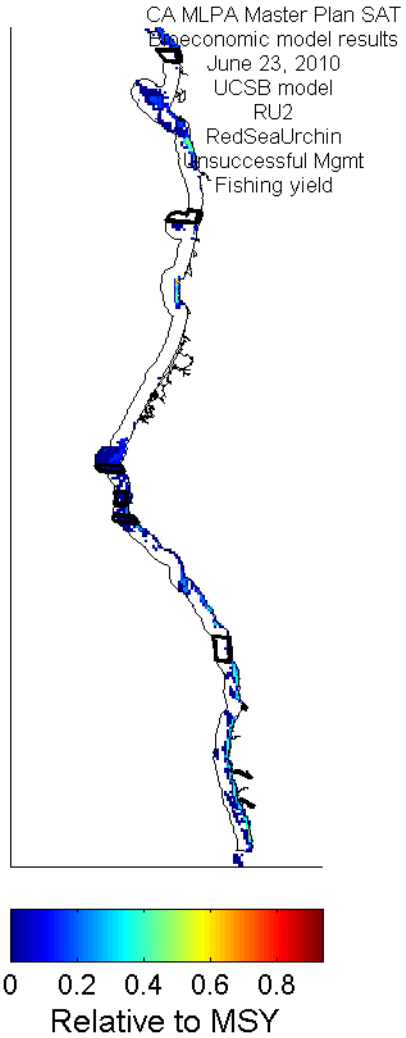

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
RedSeaUrchin
MSY-type
Larval Supply
2.6
2.8
3
3.2
% Change

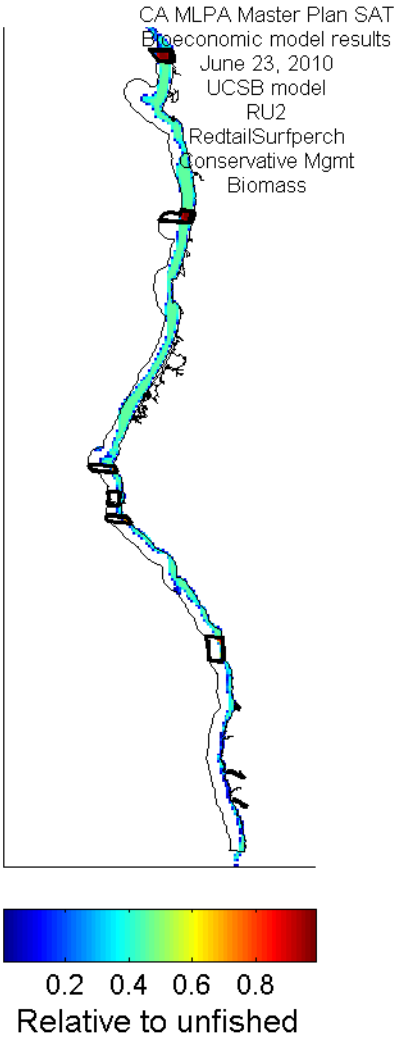

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
RedSeaUrchin
MSY-type
Larval Production
0
100
200
300
% Change

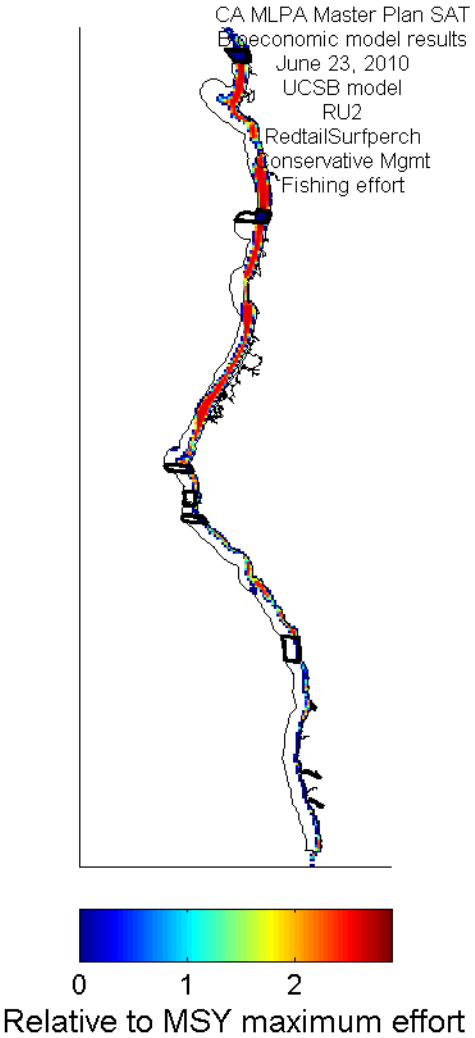

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
RedSeaUrchin
MSY-type
Fishing yield
0
0.4
0.8
Relative to MSY

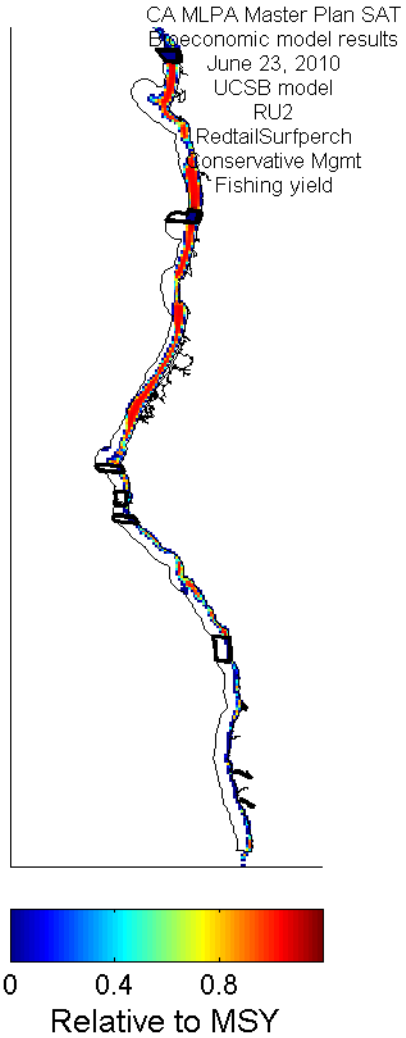

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
RedSeaUrchin
Unsuccessful Mgmt
Biomass
0.2
0.4
0.6
Relative to unfished

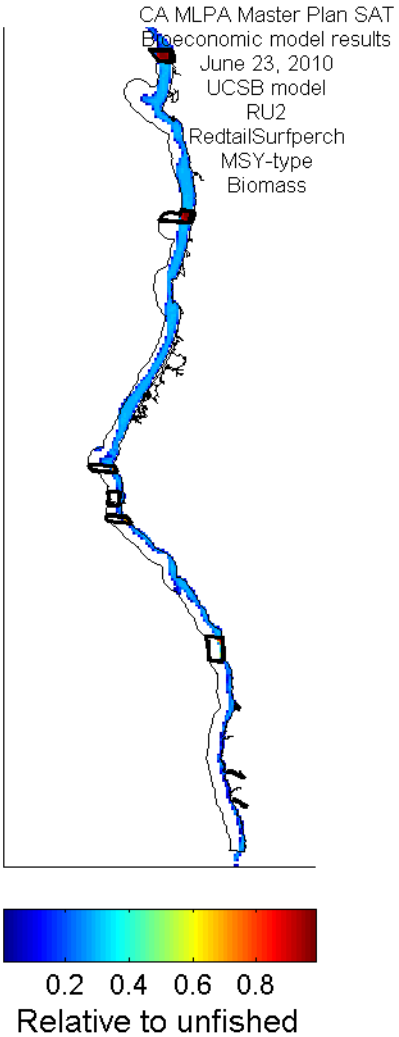

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
RedSeaUrchin
Unsuccessful Mgmt
Fishing effort
0
2
4
6
Relative to MSY maximum effort


CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
RedSeaUrchin
Unsuccessful Mgmt
Fishing yield
0
0.2
0.4
0.6
0.8
Relative to MSY

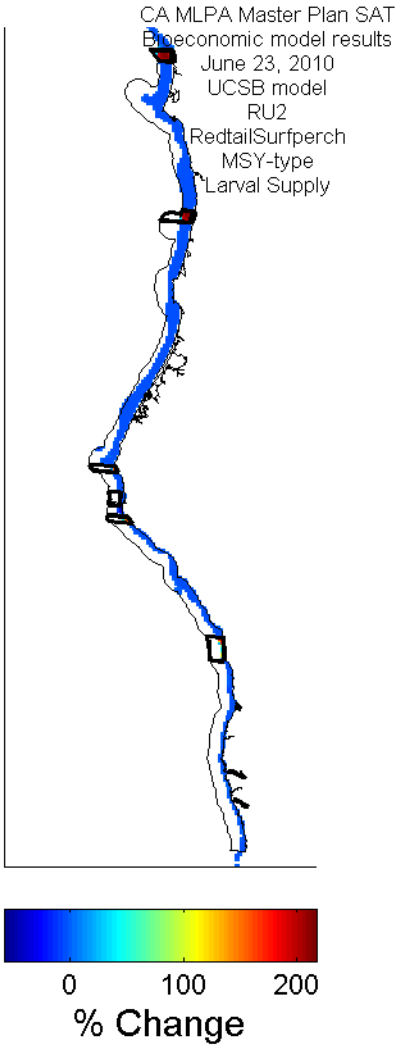

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
RedtailSurfperch
Conservative Mgmt
Biomass
0.2
0.4
0.6
0.8
Relative to unfished

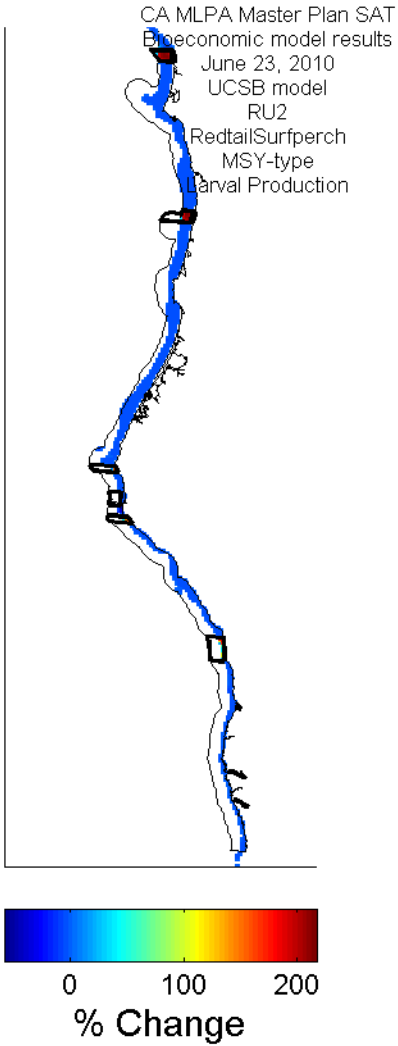

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
RedtailSurfperch
Conservative Mgmt
Fishing effort
0
1
2
Relative to MSY maximum effort

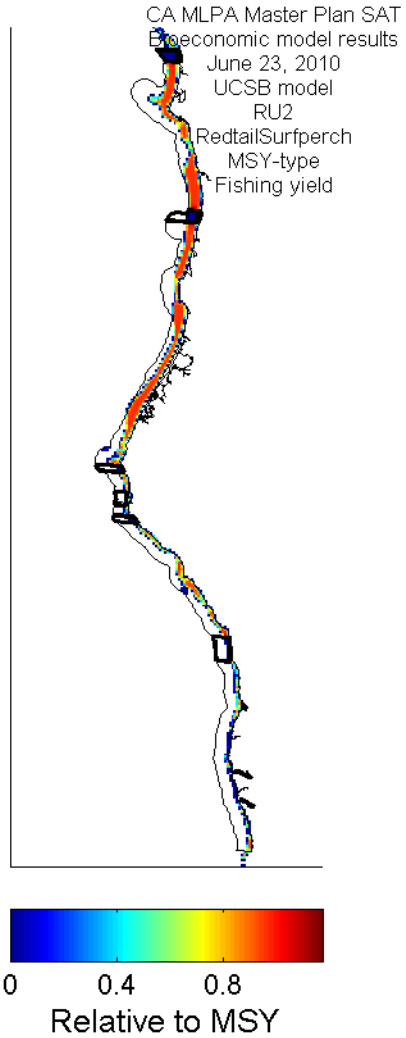

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
RedtailSurfperch
Conservative Mgmt
Fishing yield
0
0.4
0.8
Relative to MSY

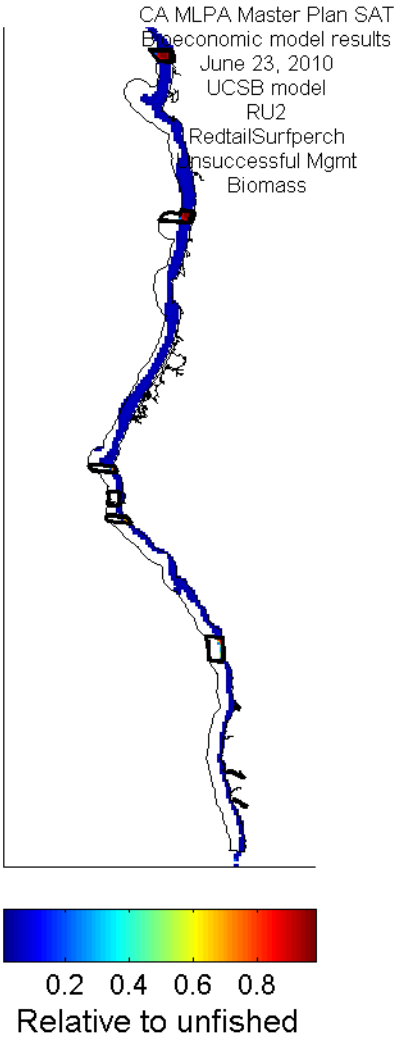

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
RedtailSurfperch
MSY-type
Biomass
0.2
0.4
0.6
0.8
Relative to unfished

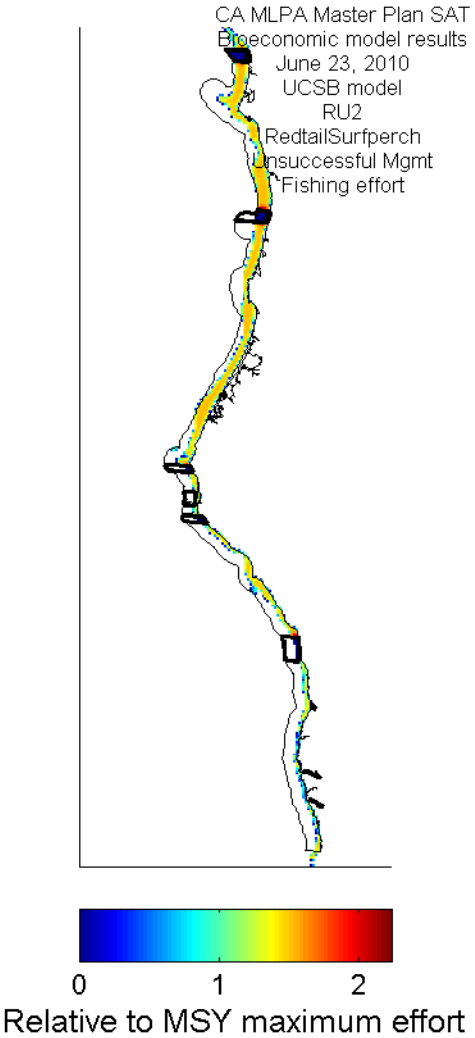
CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
RedtailSurfperch
MSY-type
Fishing effort
0
1
2
Relative to MSY maximum effort

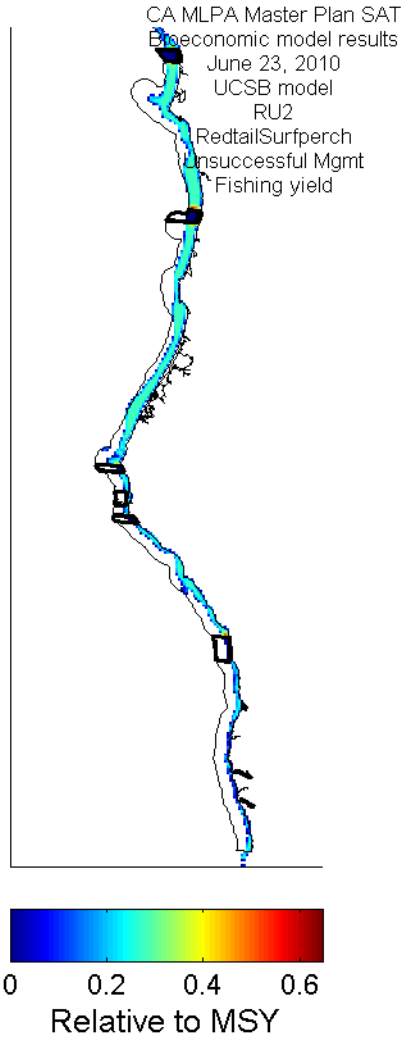

CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
RedtailSurfperch
MSY-type
Larval Supply
0
100
200
% Change


CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
RedtailSurfperch
MSY-type
Larval Production
0
100
200
% Change


CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
RedtailSurfperch
MSY-type
Fishing yield
0
0.4
0.8
Relative to MSY


CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
RedtailSurfperch
Unsuccessful Mgmt
Biomass
0.2
0.4
0.6
0.8
Relative to unfished


CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
RedtailSurfperch
Unsuccessful Mgmt
Fishing effort
0
1
2
Relative to MSY maximum effort


CA MLPA Master Plan SAT
Bioeconomic model results
June 23, 2010
UCSB model
RU2
RedtailSurfperch
Unsuccessful Mgmt
Fishing yield
0
0.2
0.4
0.6
Relative to MSY