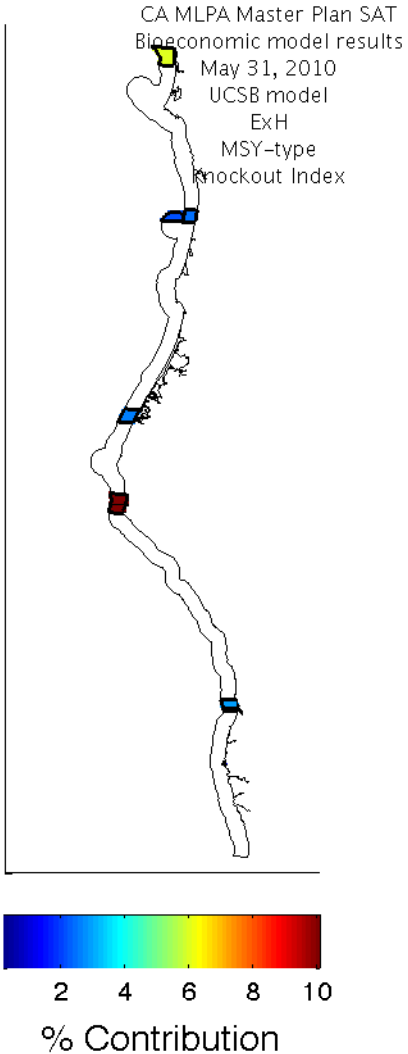
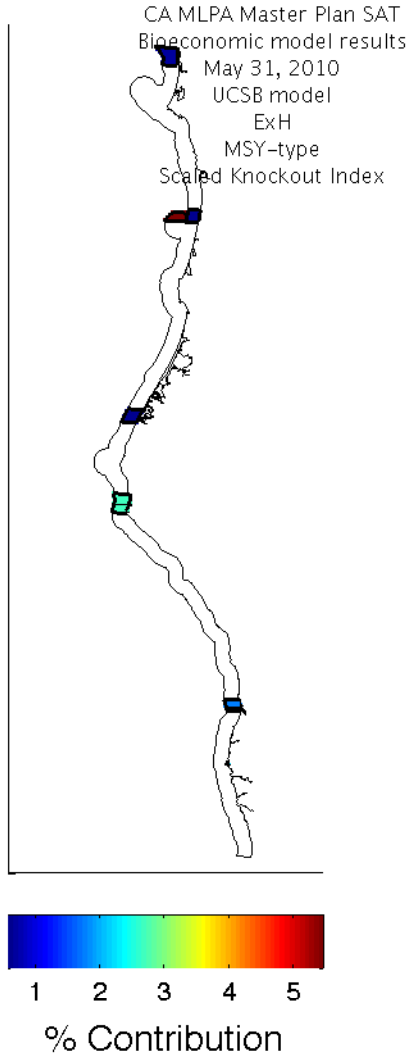
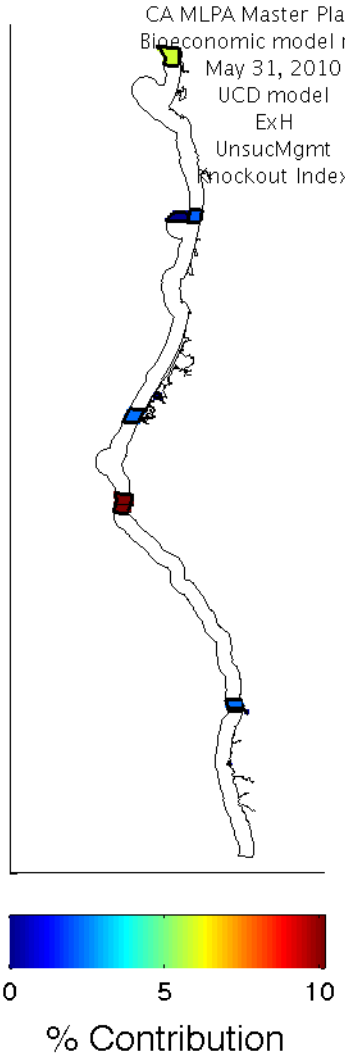
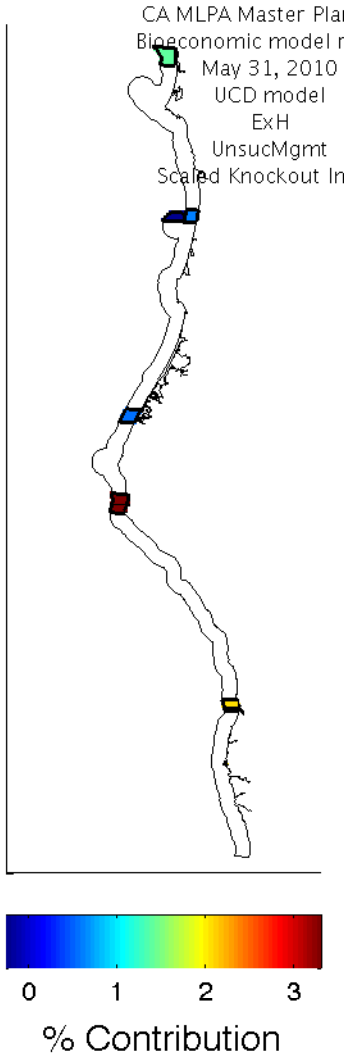
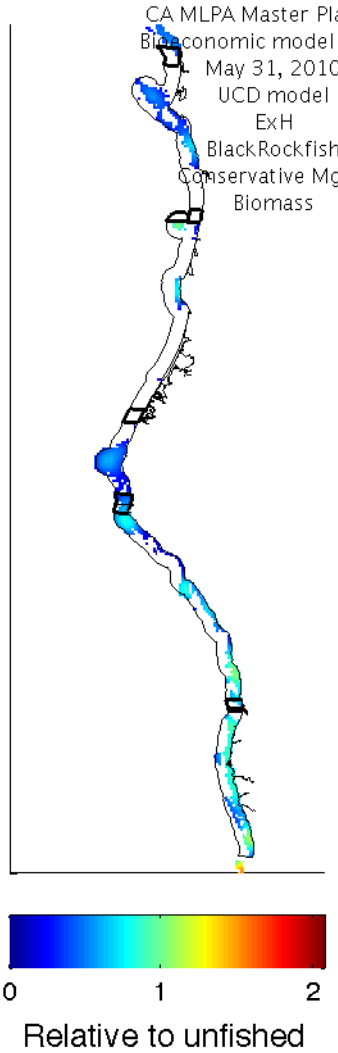
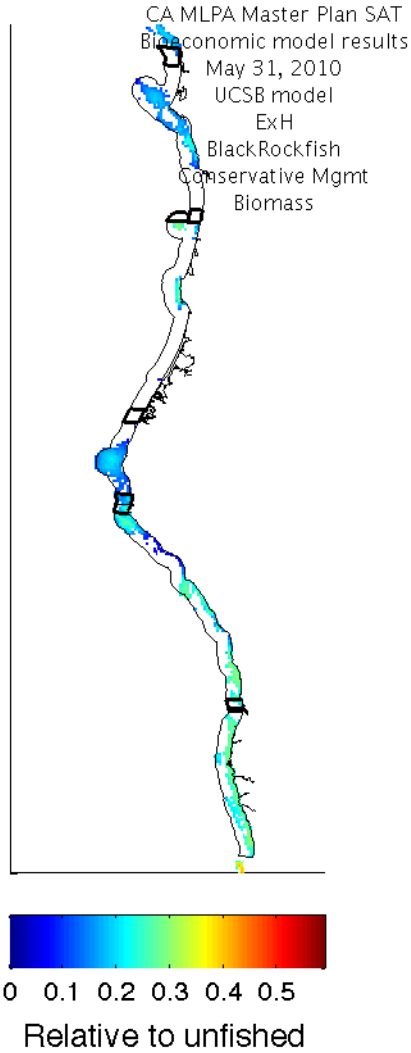

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
MSY-type
Knockout Index
2
4
6
8
10
% Contribution

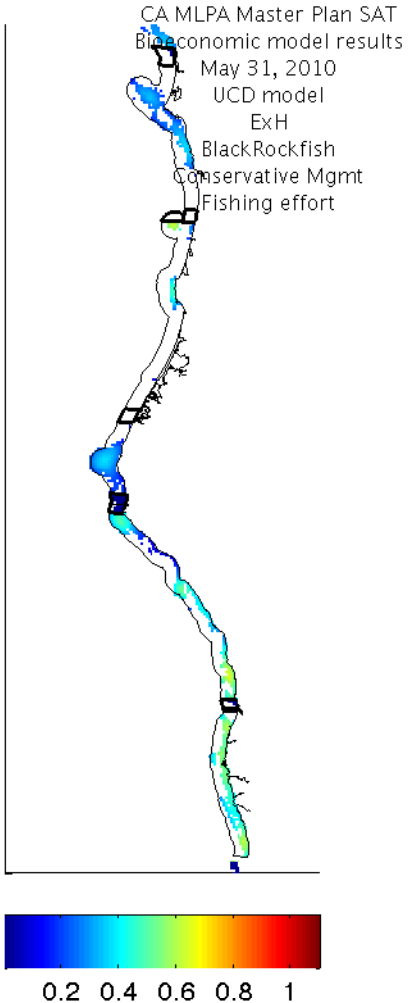

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
MSY-type
Scaled Knockout Index
1
2
3
4
5
% Contribution

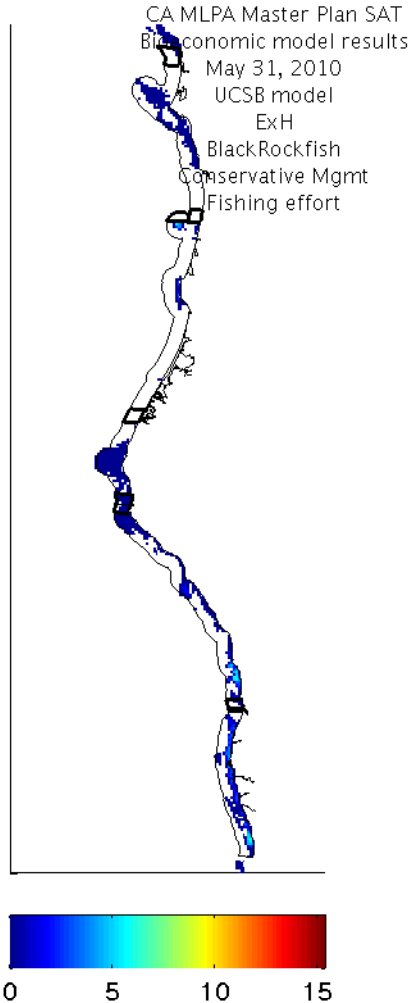

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
UnsucMgmt
Knockout Index
0
5
10
% Contribution

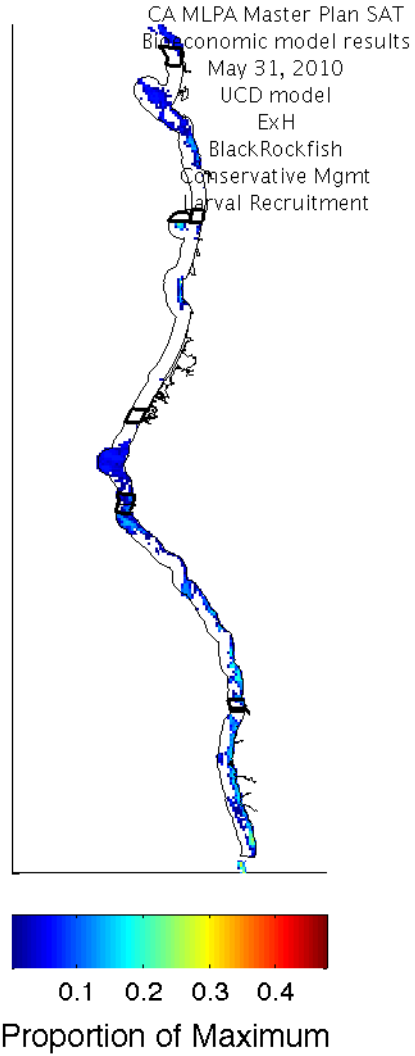

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
UnsucMgmt
Scaled Knockout Index
0
1
2
3
% Contribution

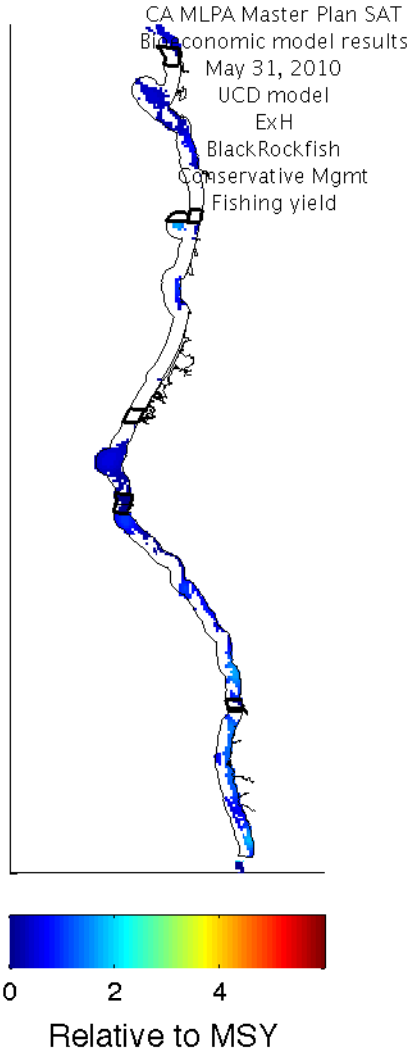

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
BlackRockfish
Conservative Mgmt
Biomass
0
1
2
Relative to unfished

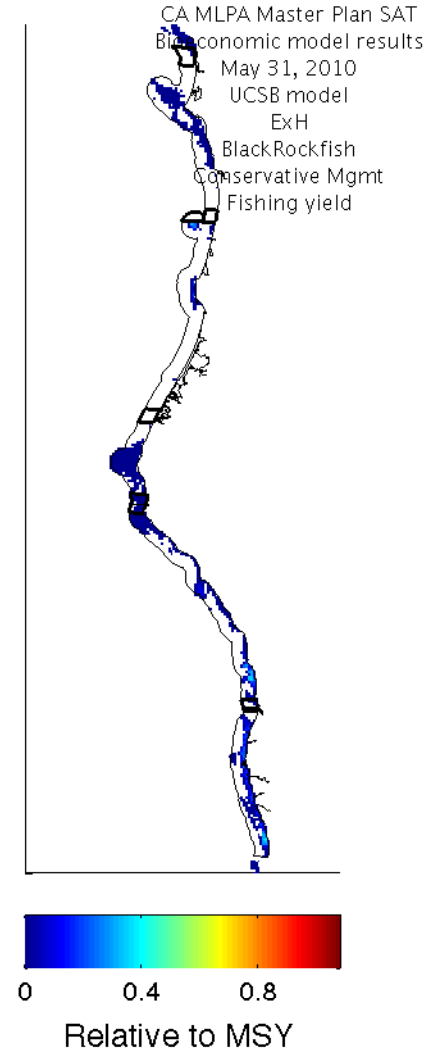

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
BlackRockfish
Conservative Mgmt
Biomass
0
0.1
0.2
0.3
0.4
0.5
Relative to unfished

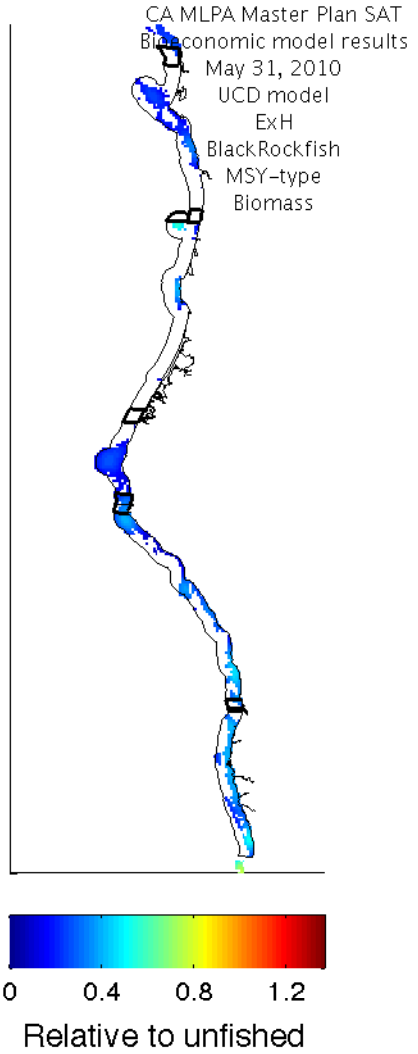

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
BlackRockfish
Conservative Mgmt
Fishing effort
0.2 0.4 0.6 0.8 1
Relative to MSY maximum effort

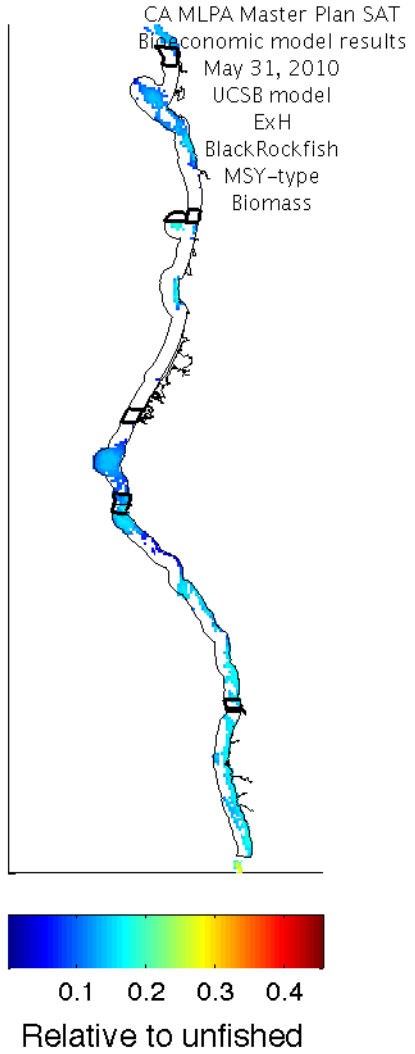

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
BlackRockfish
Conservative Mgmt
Fishing effort
0 5 10 15
Relative to MSY maximum effort

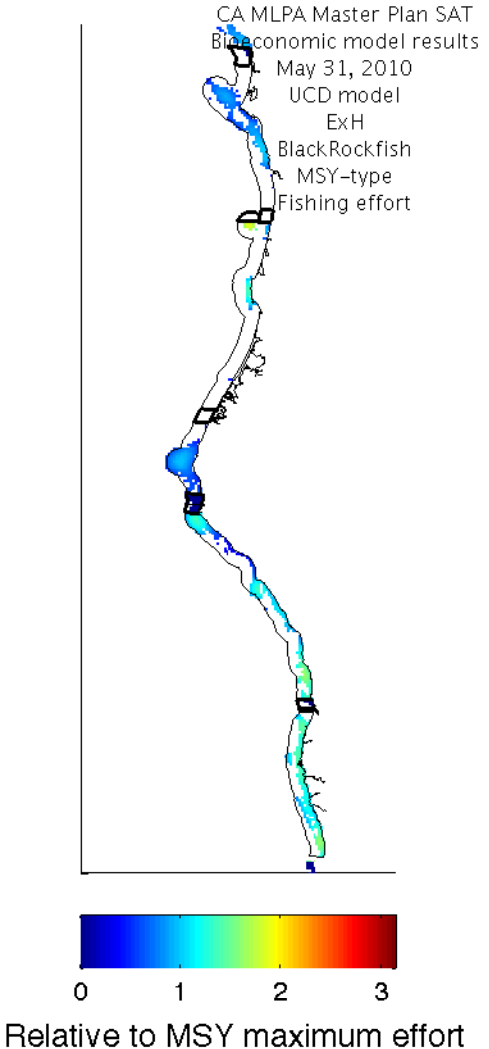

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
BlackRockfish
Conservative Mgmt
Larval Recruitment
0.1
0.2
0.3
0.4
Proportion of Maximum

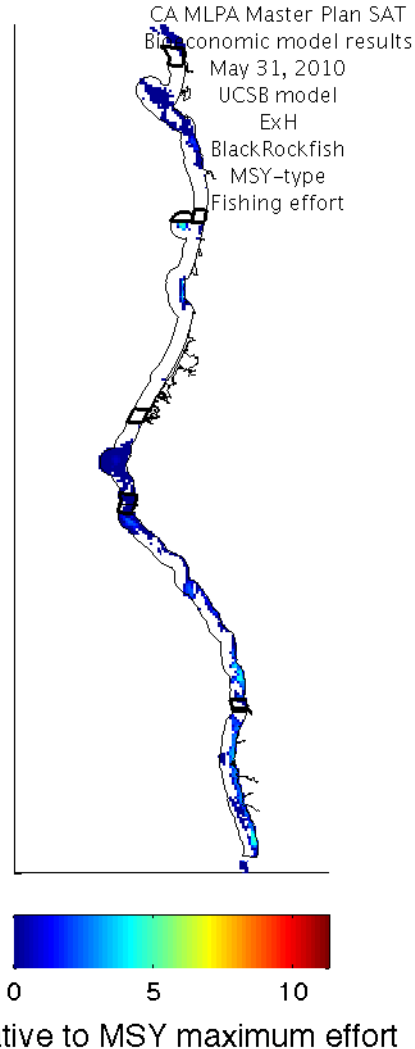

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
BlackRockfish
Conservative Mgmt
Fishing yield
0
2
4
Relative to MSY

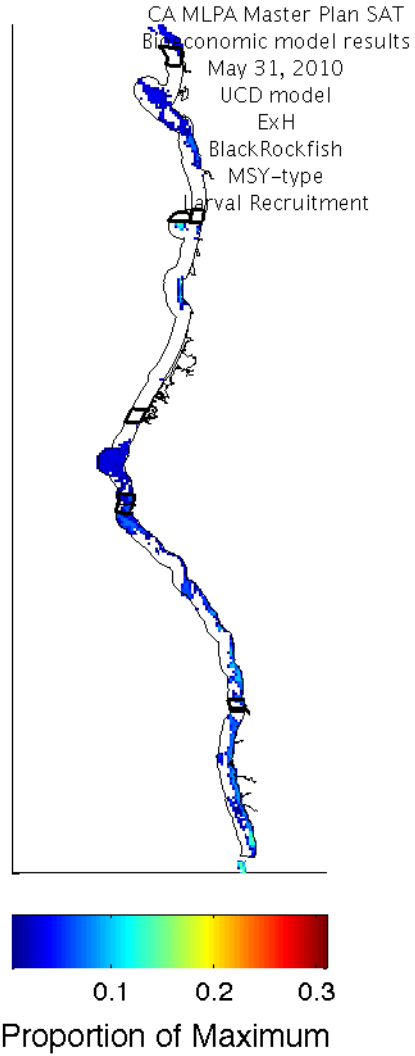

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
BlackRockfish
Conservative Mgmt
Fishing yield
0
0.4
0.8
Relative to MSY

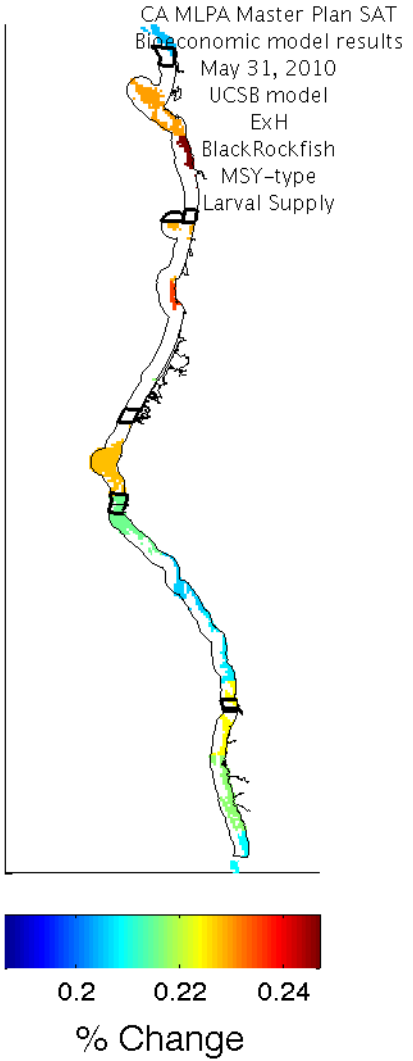

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
BlackRockfish
MSY-type
Biomass
0
0.4
0.8
1.2
Relative to unfished

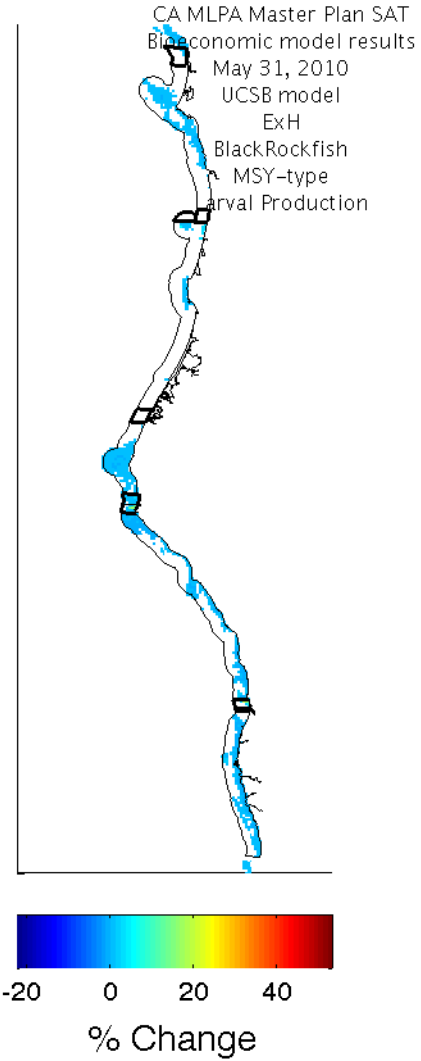

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
BlackRockfish
MSY-type
Biomass
0.1
0.2
0.3
0.4
Relative to unfished

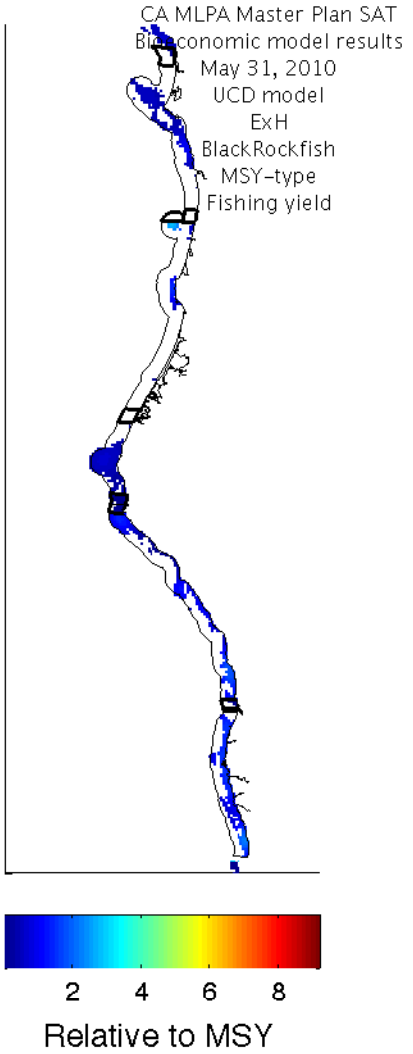

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
BlackRockfish
MSY-type
Fishing effort
0
1
2
3
Relative to MSY maximum effort

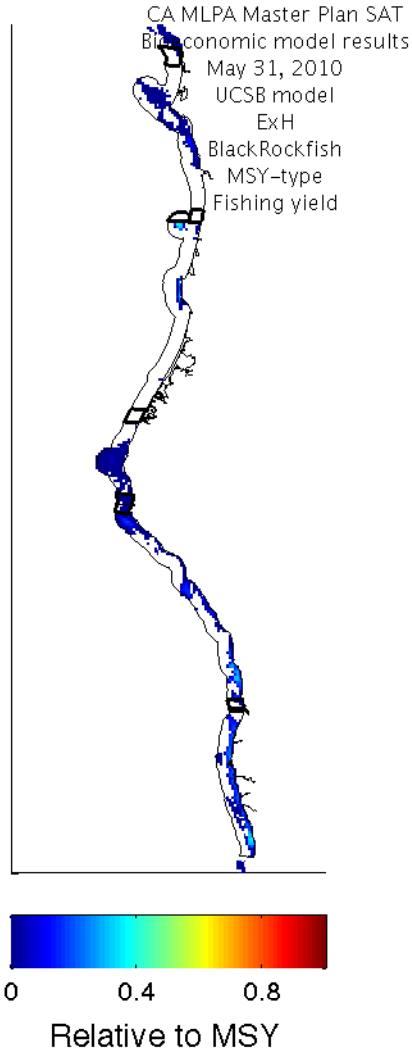

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
BlackRockfish
MSY-type
Fishing effort
0
5
10
Relative to MSY maximum effort

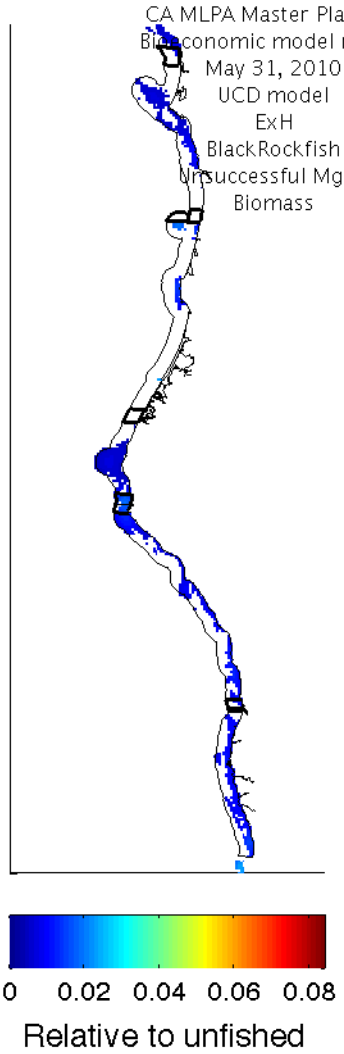

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
BlackRockfish
MSY-type
larval Recruitment
0.1
0.2
0.3
Proportion of Maximum

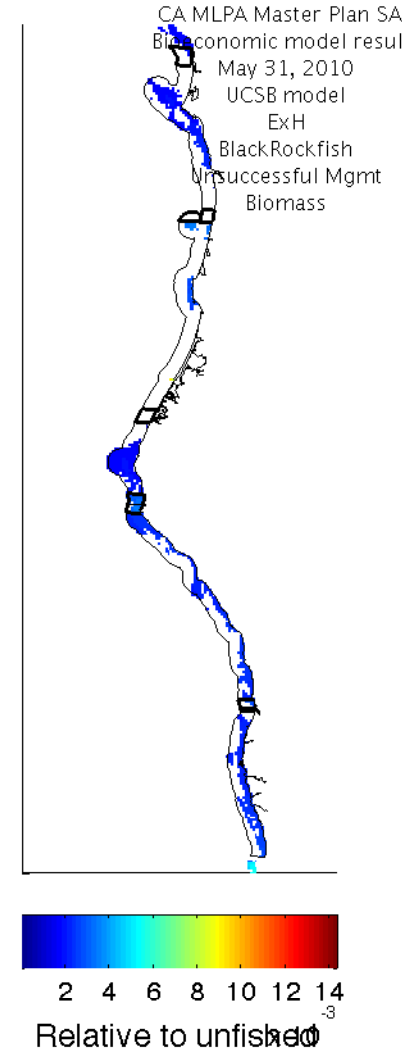

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
BlackRockfish
MSY-type
Larval Supply
0.2
0.22
0.24
% Change

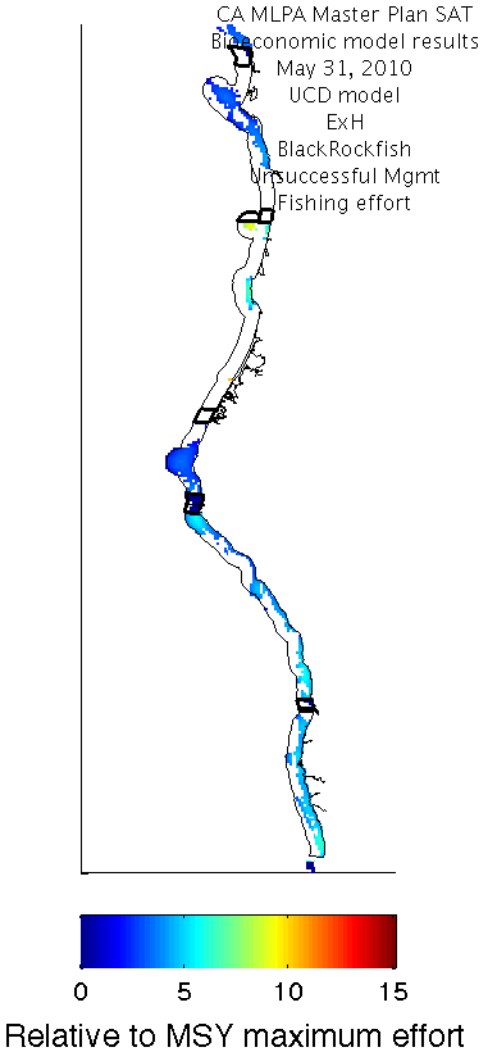

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
BlackRockfish
MSY-type
arval Production
-20
0
20
40
% Change

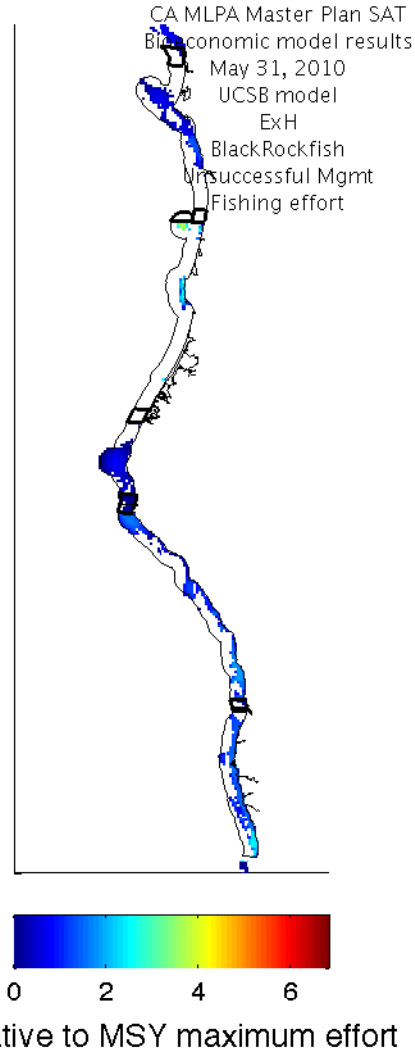

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
BlackRockfish
MSY-type
Fishing yield
2
4
6
8
Relative to MSY

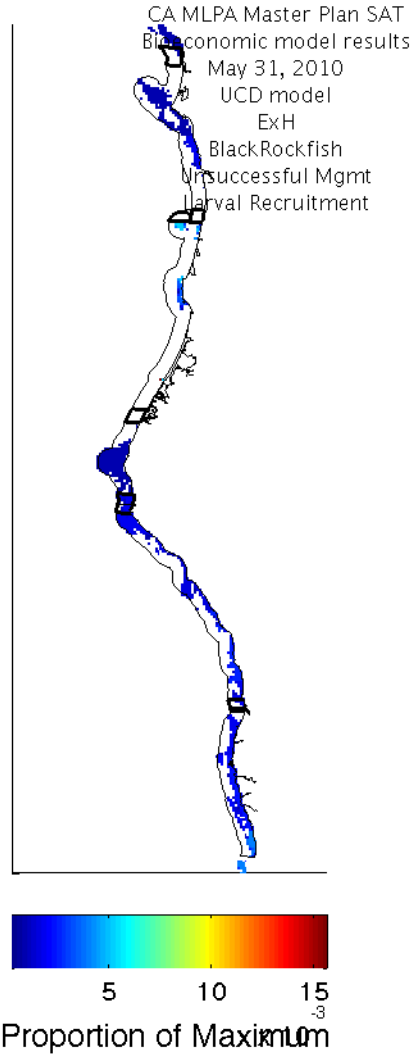

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
BlackRockfish
MSY-type
Fishing yield
0
0.4
0.8
Relative to MSY

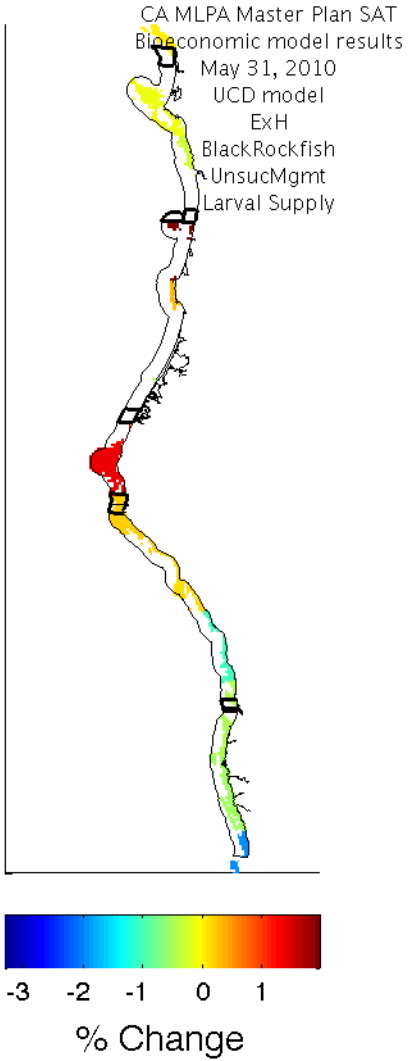

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
BlackRockfish
Unsuccessful Mgmt
Biomass
0
0.02
0.04
0.06
0.08
Relative to unfished

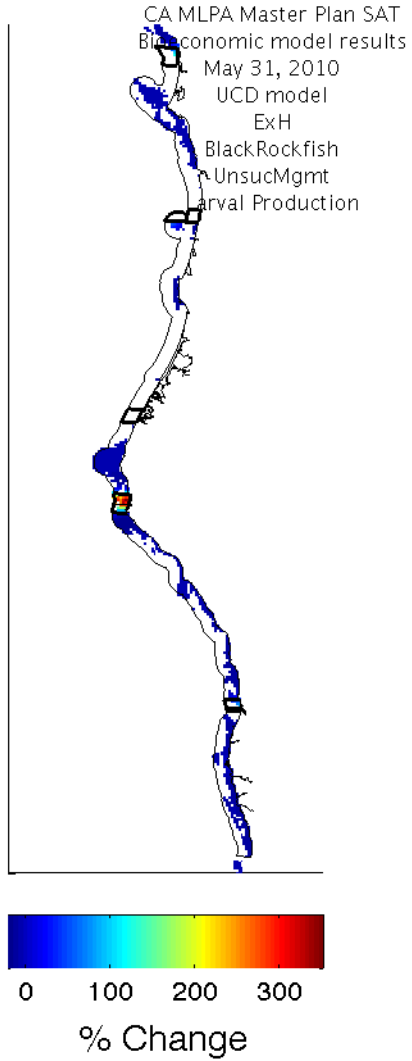

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
BlackRockfish
Unsuccessful Mgmt
Biomass
2
4
6
8
10
12
14
x 10^-3
Relative to unfished

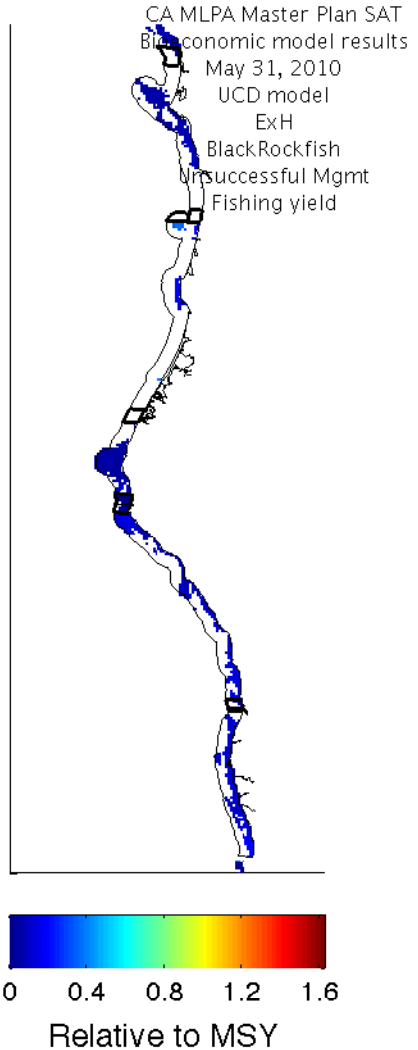

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
BlackRockfish
Unsuccessful Mgmt
Fishing effort
0
5
10
15
Relative to MSY maximum effort

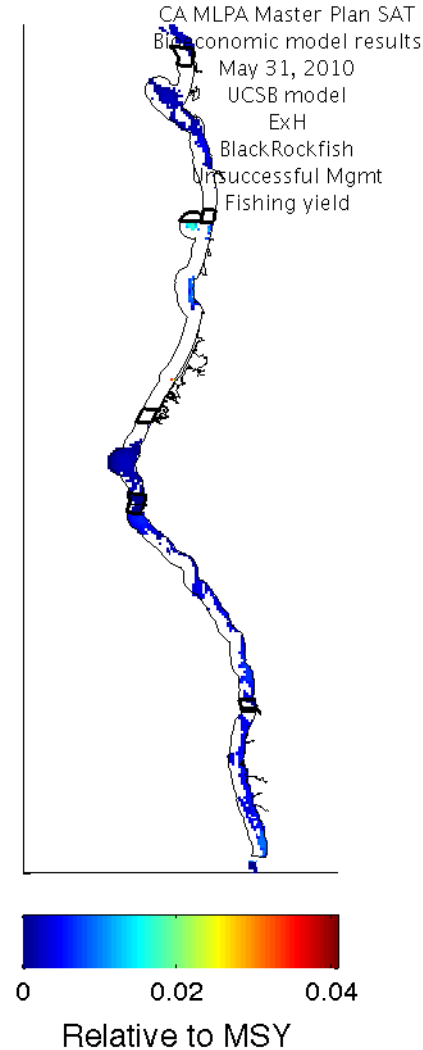

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
BlackRockfish
Unsuccessful Mgmt
Fishing effort
0
2
4
6
Relative to MSY maximum effort

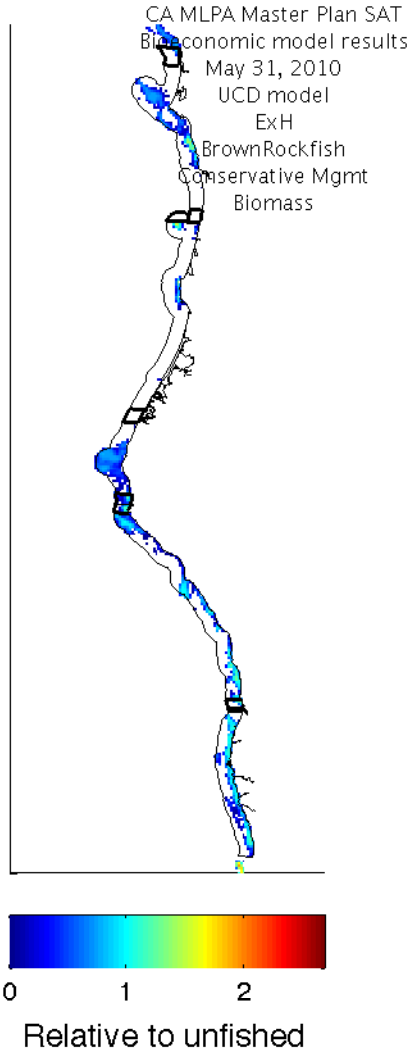

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
BlackRockfish
Unsuccessful Mgmt
larval Recruitment
5
10
15
-3
x10
Proportion of Maximum

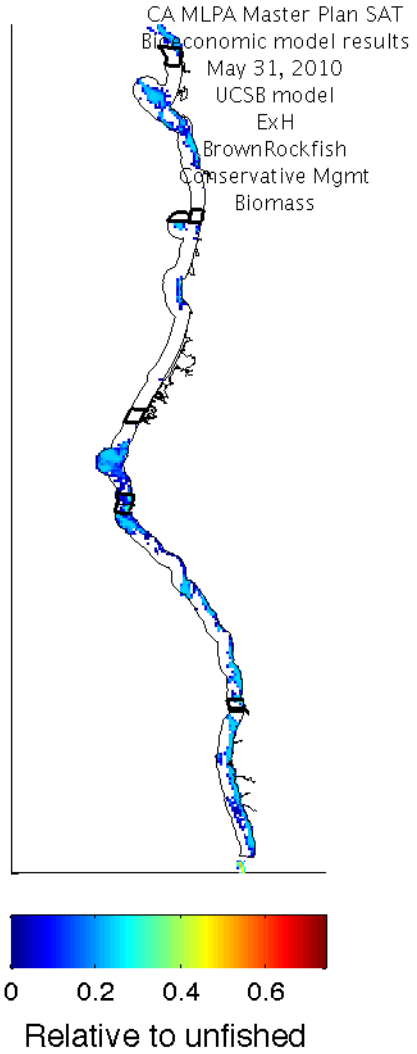

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
BlackRockfish
UnsucMgmt
Larval Supply
-3
-2
-1
0
1
% Change

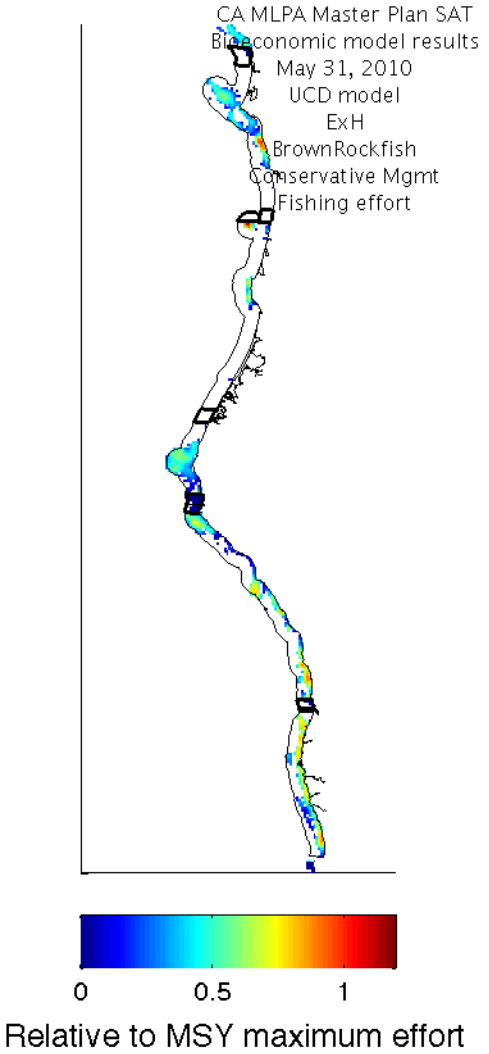

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
BlackRockfish
UnsucMgmt
arval Production
0
100
200
300
% Change

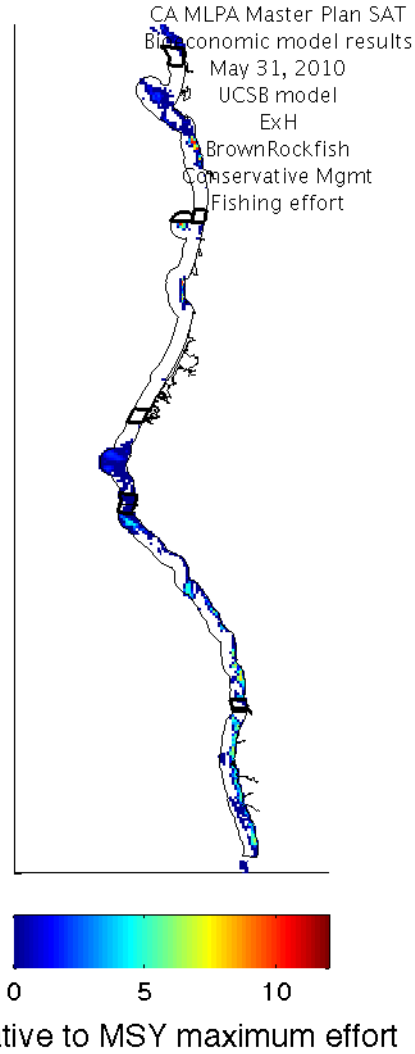

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
BlackRockfish
Unsuccessful Mgmt
Fishing yield
0
0.4
0.8
1.2
1.6
Relative to MSY

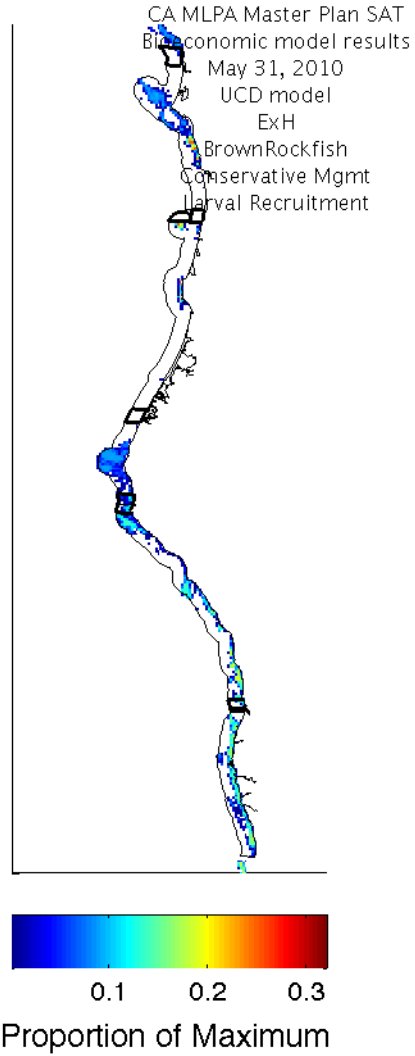

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
BlackRockfish
Unsuccessful Mgmt
Fishing yield
0
0.02
0.04
Relative to MSY

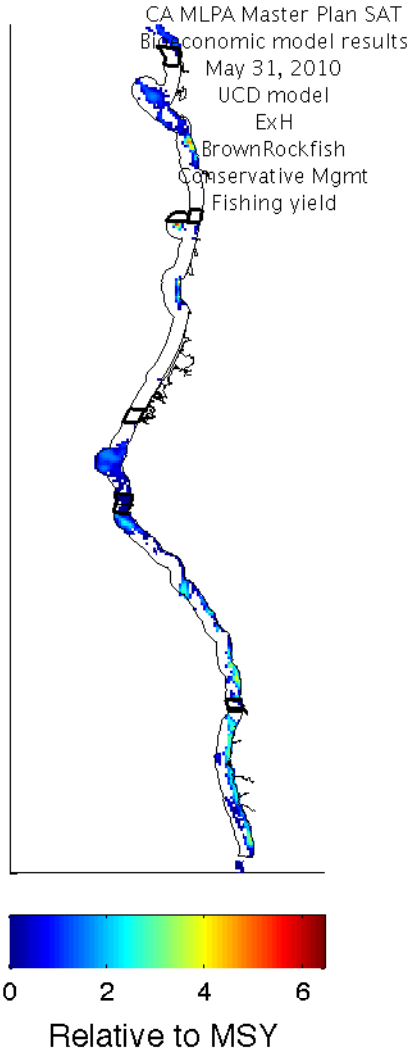

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
BrownRockfish
Conservative Mgmt
Biomass
0
1
2
Relative to unfished

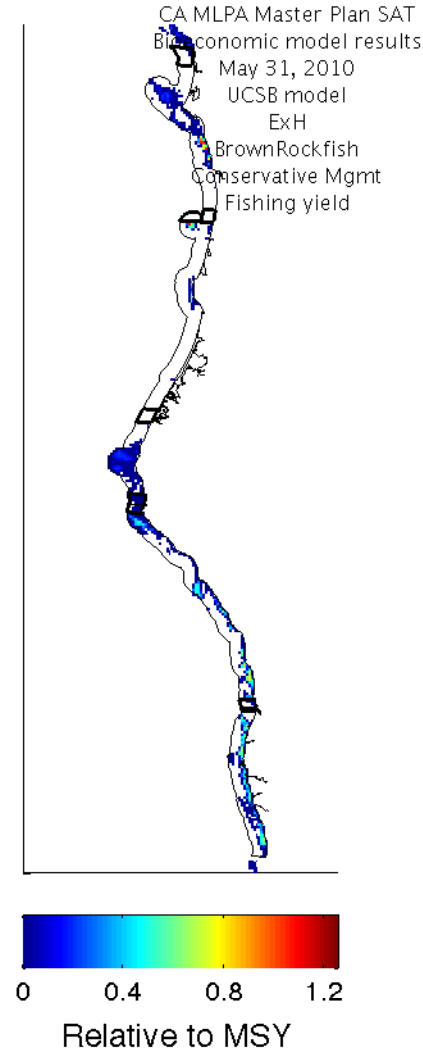

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
BrownRockfish
Conservative Mgmt
Biomass
0
0.2
0.4
0.6
Relative to unfished

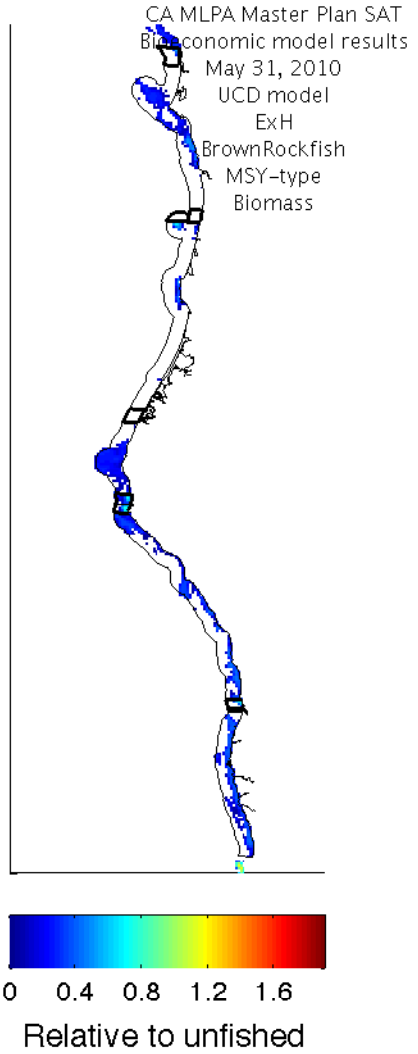

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
BrownRockfish
Conservative Mgmt
Fishing effort
0
0.5
1
Relative to MSY maximum effort

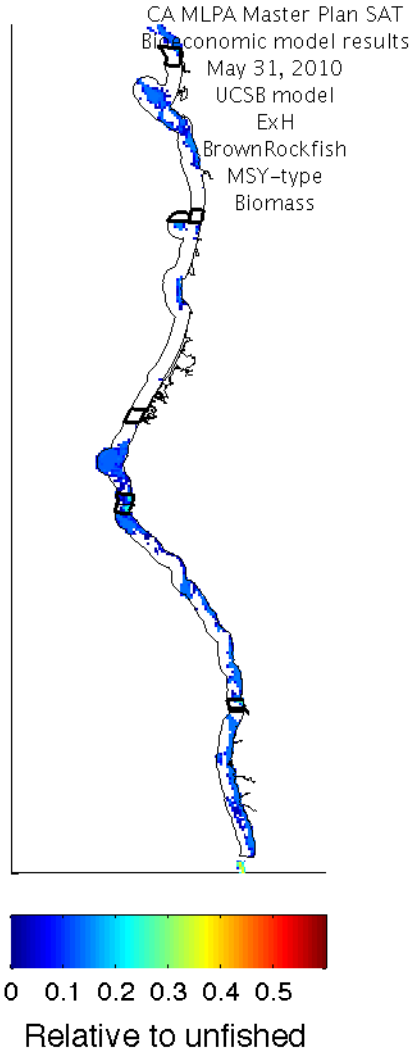

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
BrownRockfish
Conservative Mgmt
Fishing effort
0
5
10
Relative to MSY maximum effort

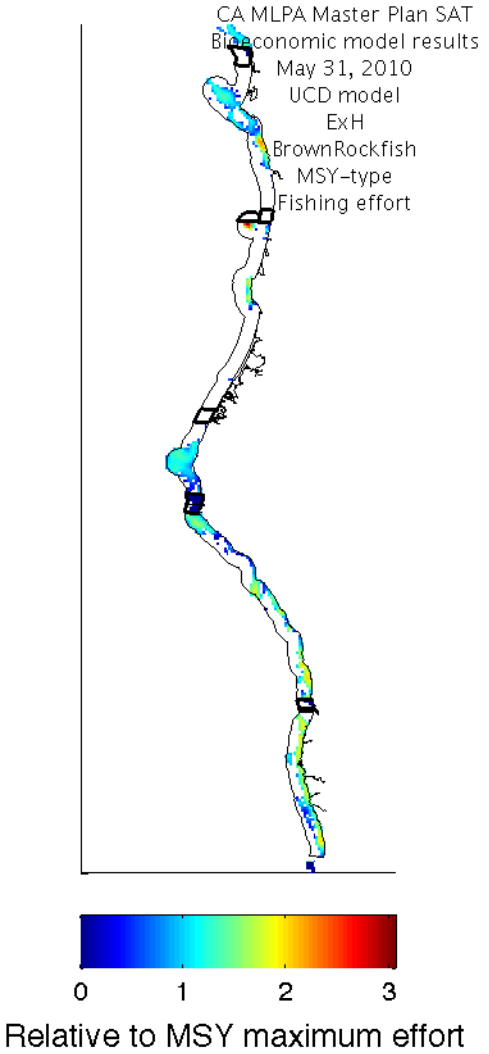

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
BrownRockfish
Conservative Mgmt
Larval Recruitment
0.1
0.2
0.3
Proportion of Maximum

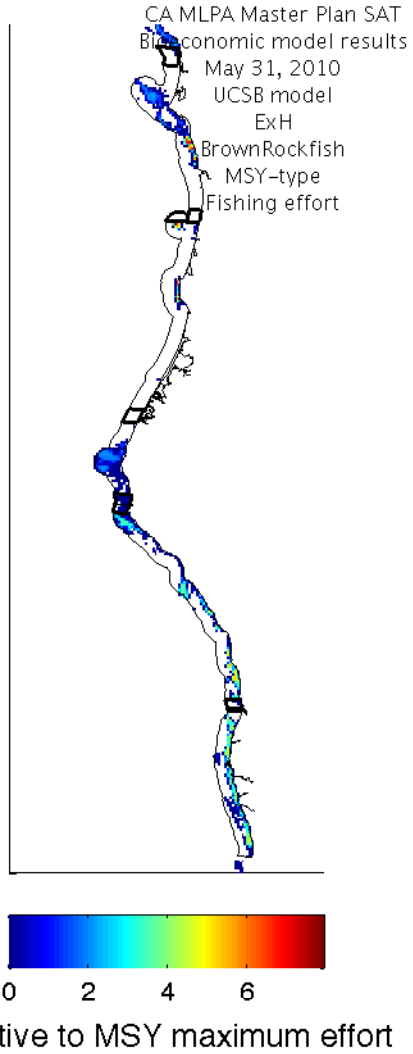

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
BrownRockfish
Conservative Mgmt
Fishing yield
0
2
4
6
Relative to MSY

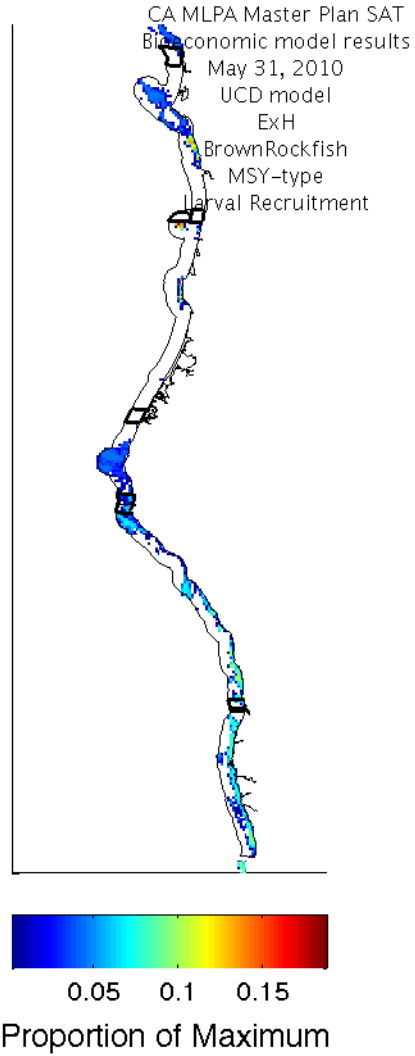

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
BrownRockfish
Conservative Mgmt
Fishing yield
0
0.4
0.8
1.2
Relative to MSY

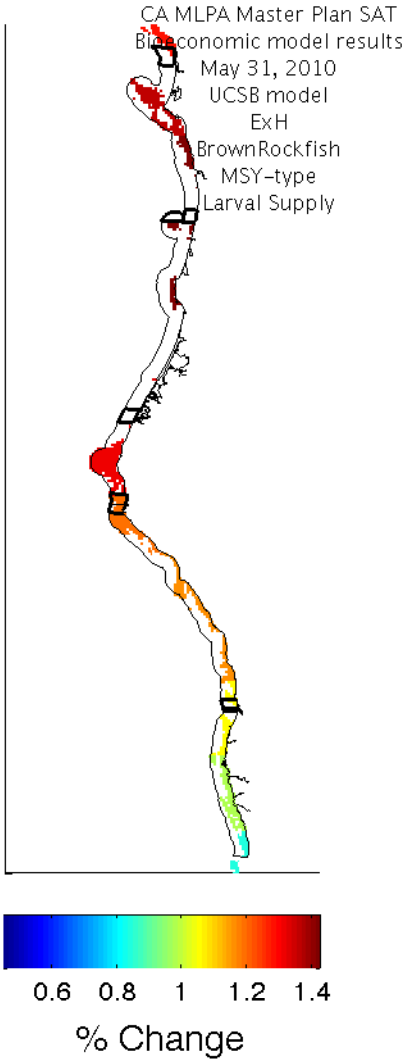

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
BrownRockfish
MSY-type
Biomass
0 0.4 0.8 1.2 1.6
Relative to unfished

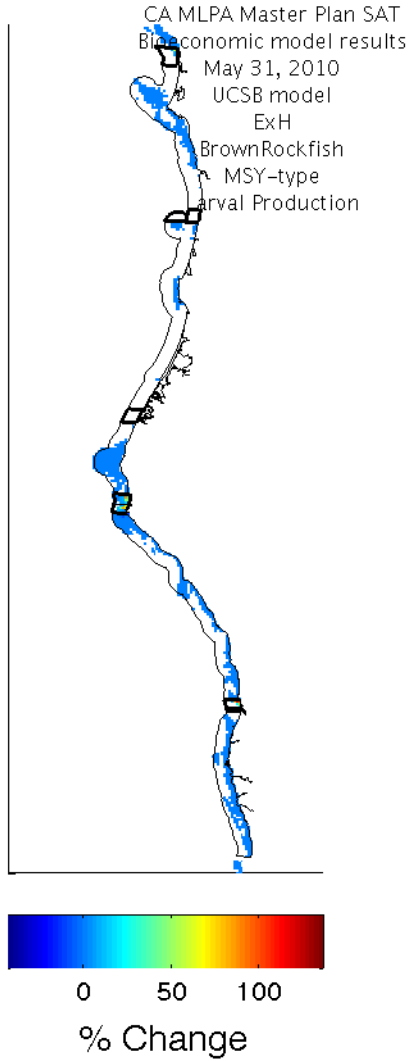

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
BrownRockfish
MSY-type
Biomass
0 0.1 0.2 0.3 0.4 0.5
Relative to unfished

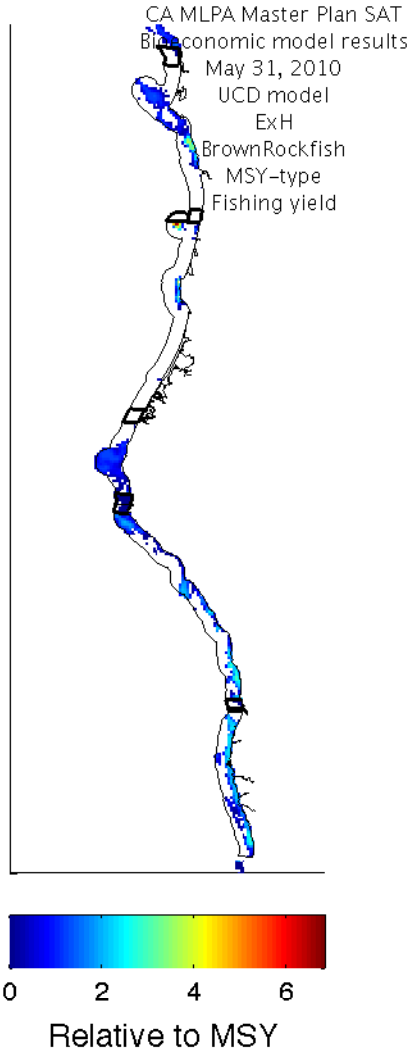

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
BrownRockfish
MSY-type
Fishing effort
0
1
2
3
Relative to MSY maximum effort

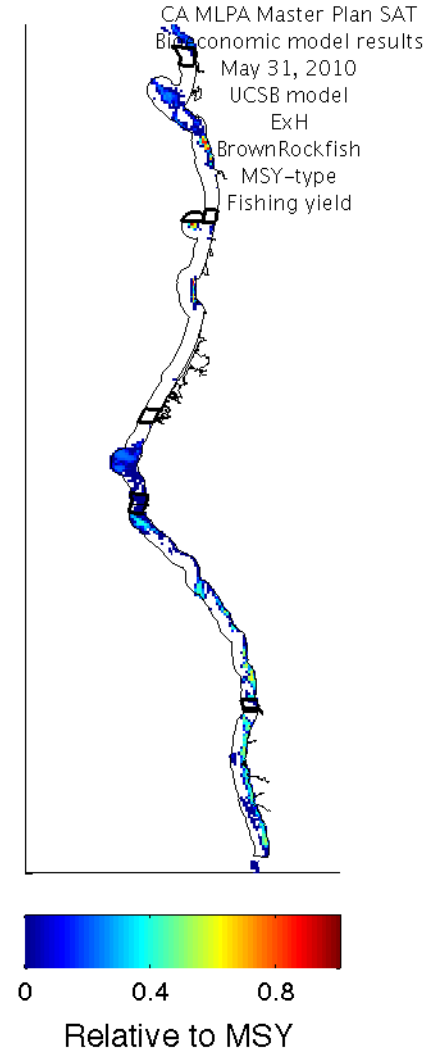

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
BrownRockfish
MSY-type
Fishing effort
0
2
4
6
Relative to MSY maximum effort

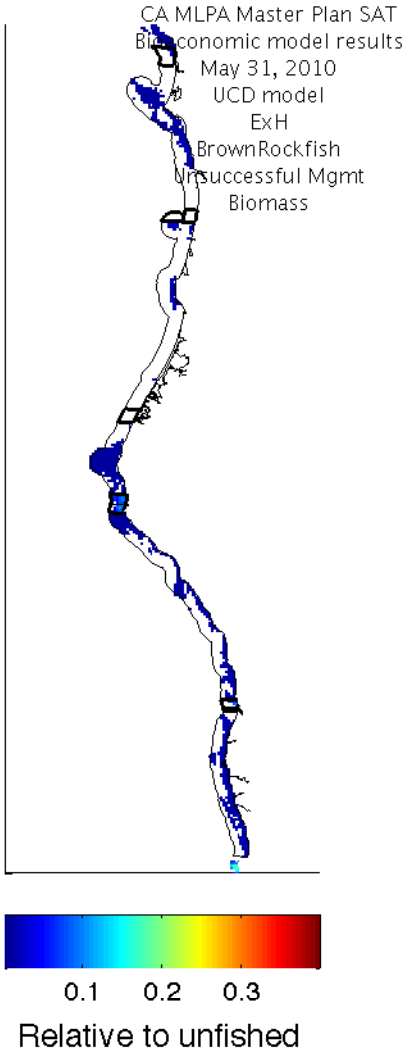

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
BrownRockfish
MSY-type
larval Recruitment
0.05
0.1
0.15
Proportion of Maximum

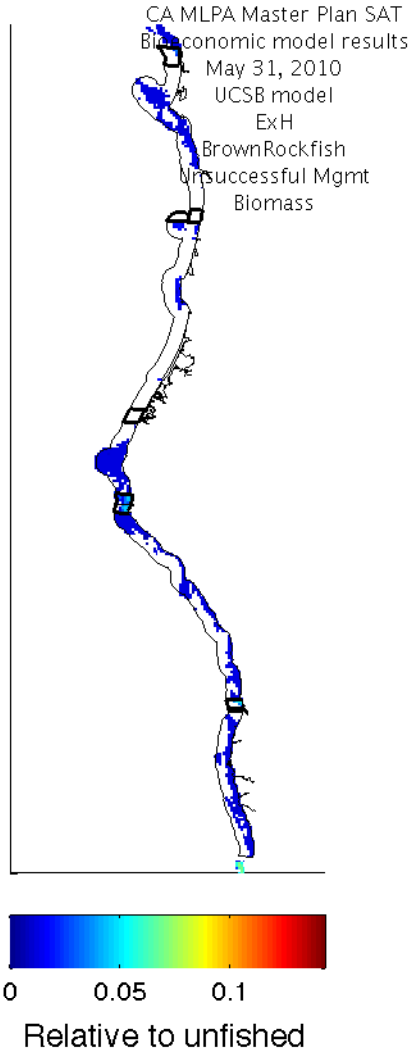

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
BrownRockfish
MSY-type
Larval Supply
0.6
0.8
1
1.2
1.4
% Change

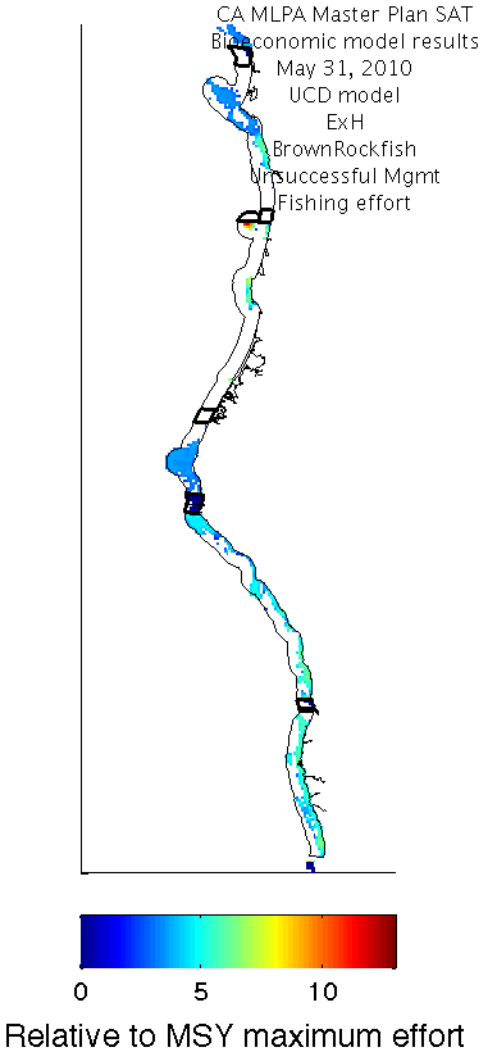

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
BrownRockfish
MSY-type
arval Production
0
50
100
% Change

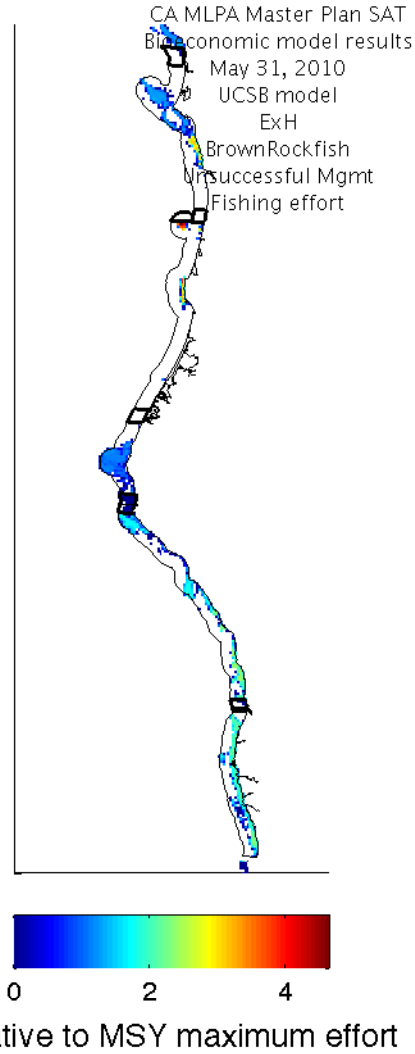

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
BrownRockfish
MSY-type
Fishing yield
0
2
4
6
Relative to MSY

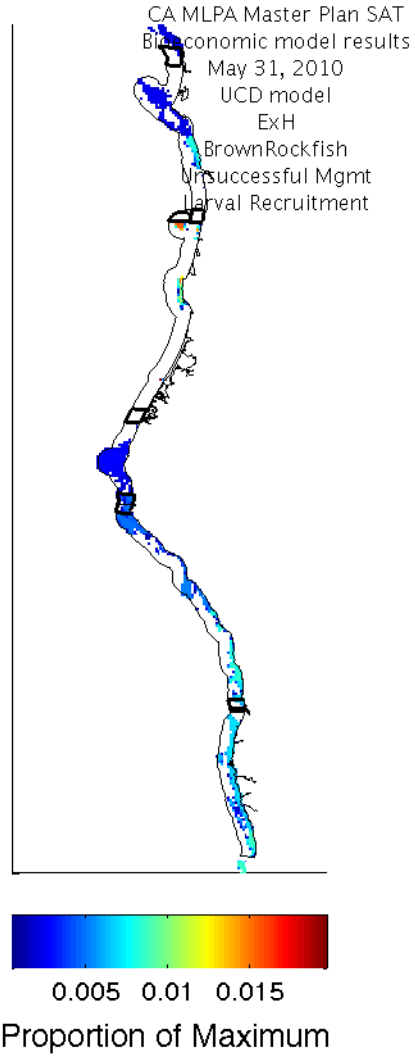

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
BrownRockfish
MSY-type
Fishing yield
0
0.4
0.8
Relative to MSY

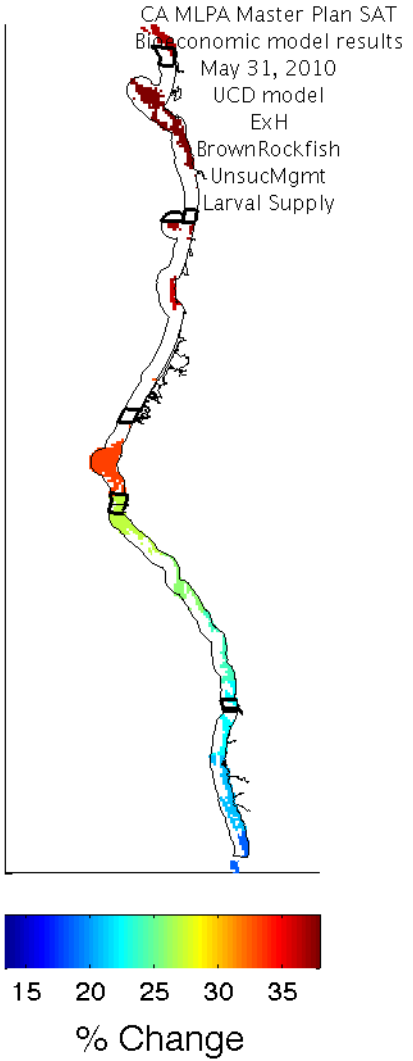

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
BrownRockfish
Unsuccessful Mgmt
Biomass
0.1
0.2
0.3
Relative to unfished

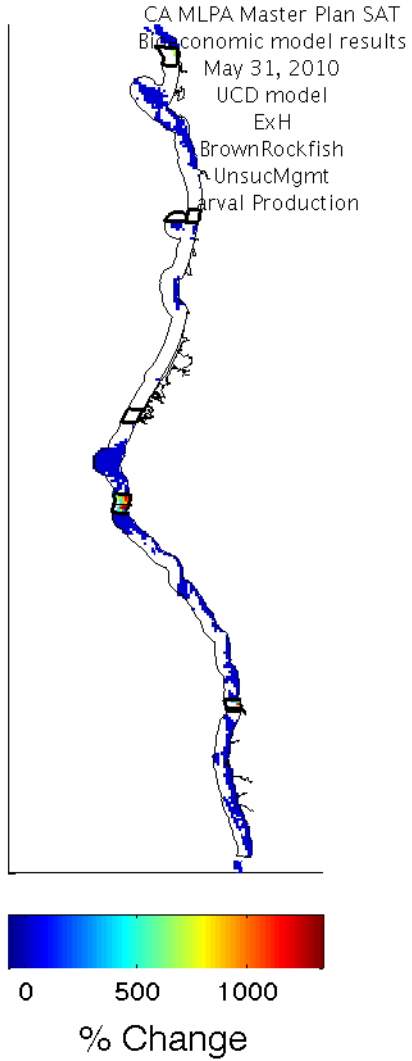

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
BrownRockfish
Unsuccessful Mgmt
Biomass
0
0.05
0.1
Relative to unfished

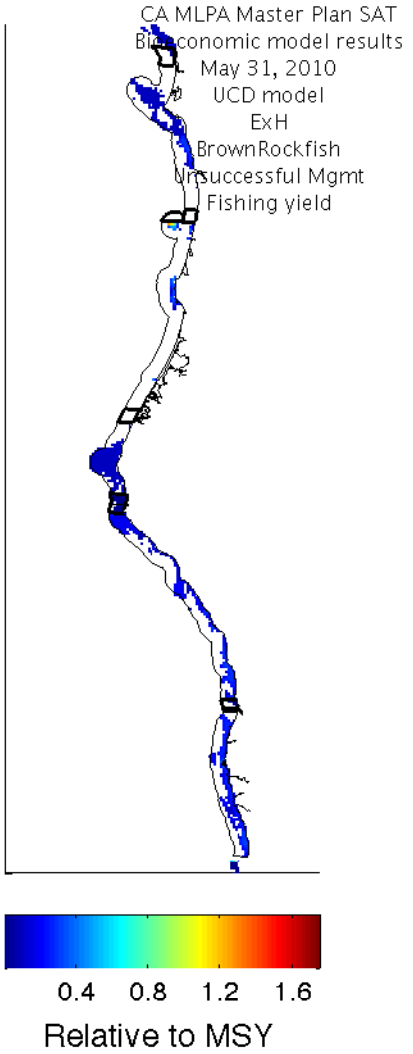

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
BrownRockfish
Unsuccessful Mgmt
Fishing effort
0
5
10
Relative to MSY maximum effort

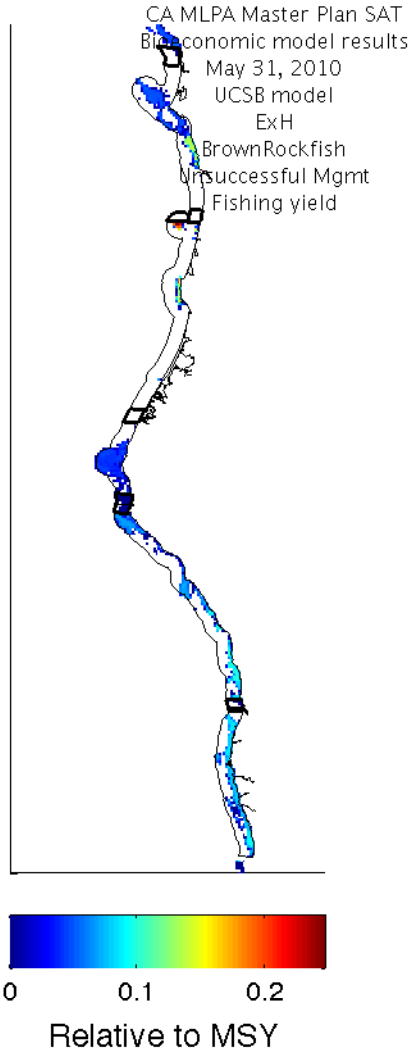

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
BrownRockfish
Unsuccessful Mgmt
Fishing effort
0
2
4
Relative to MSY maximum effort

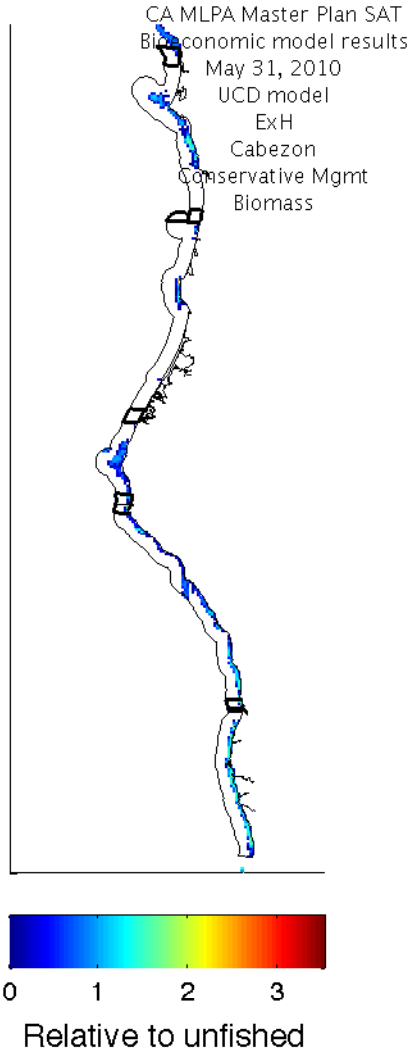

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
BrownRockfish
Unsuccessful Mgmt
larval Recruitment
0.005
0.01
0.015
Proportion of Maximum

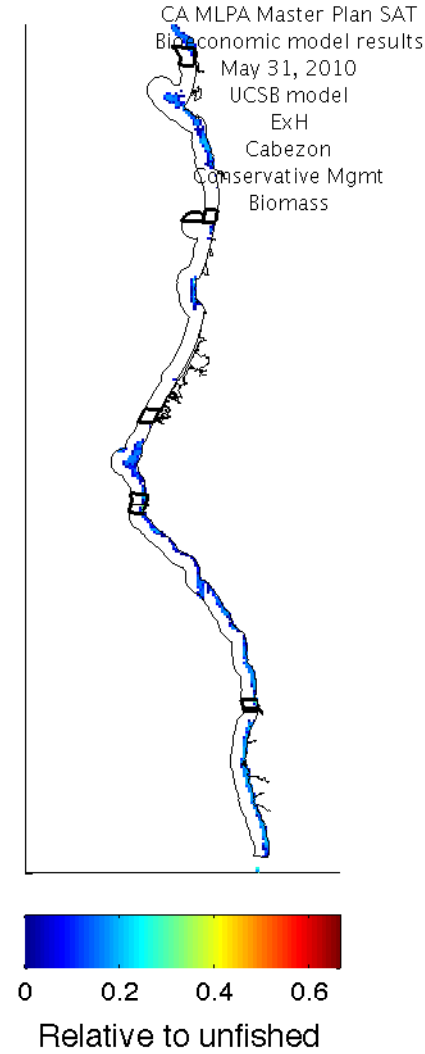

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
BrownRockfish
UnsucMgmt
Larval Supply
15
20
25
30
35
% Change

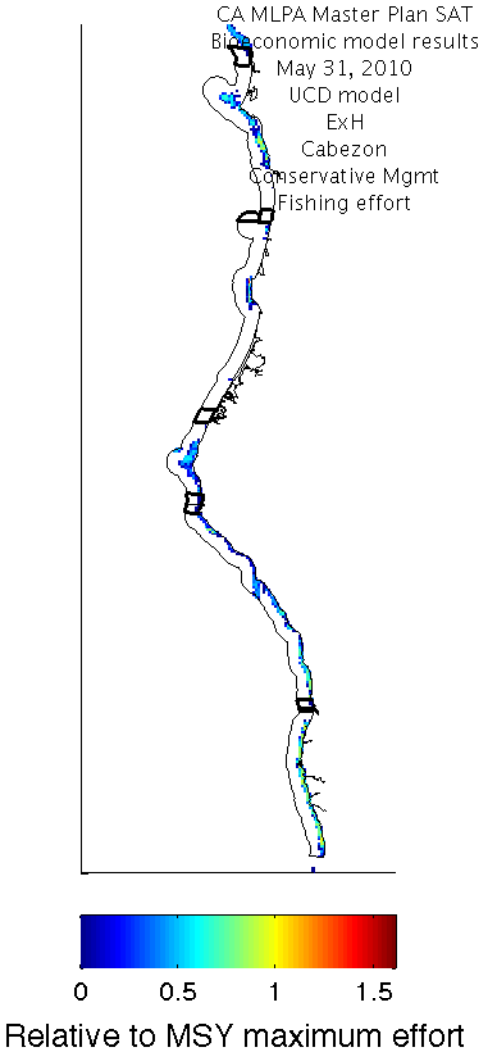

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
BrownRockfish
UnsucMgmt
arval Production
0
500
1000
% Change

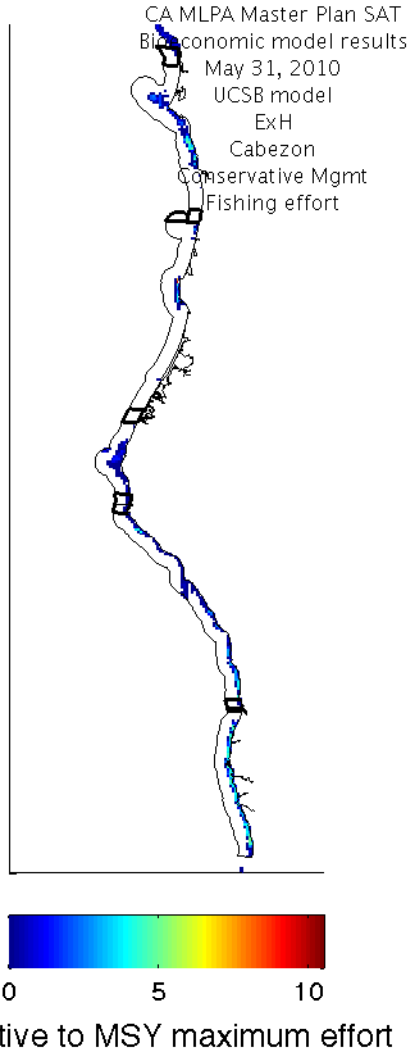

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
BrownRockfish
Unsuccessful Mgmt
Fishing yield
0.4
0.8
1.2
1.6
Relative to MSY

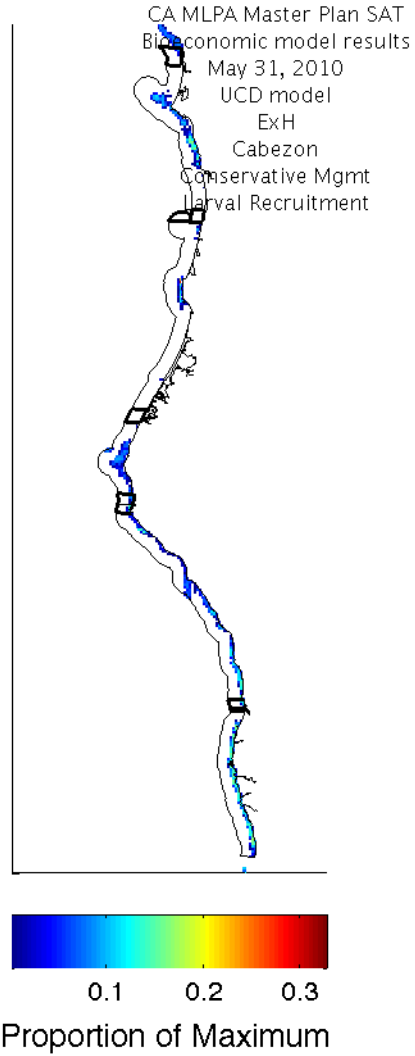

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
BrownRockfish
Unsuccessful Mgmt
Fishing yield
0
0.1
0.2
Relative to MSY

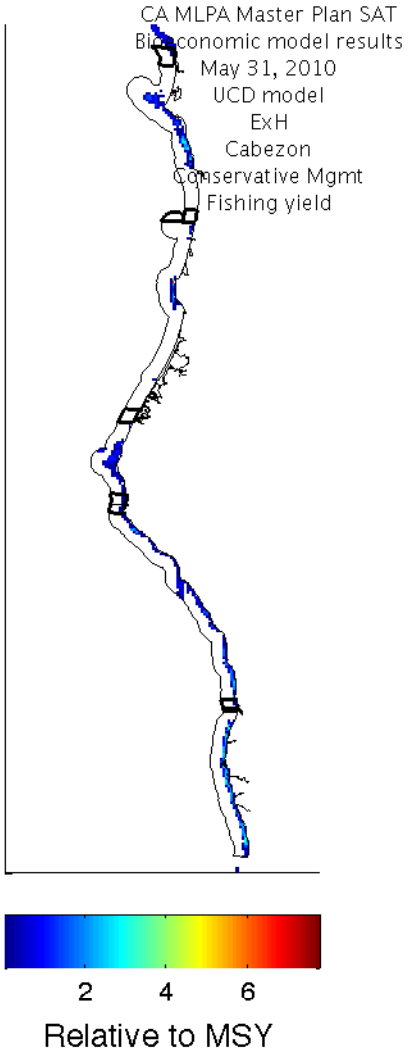

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
Cabezon
Conservative Mgmt
Biomass
0
1
2
3
Relative to unfished

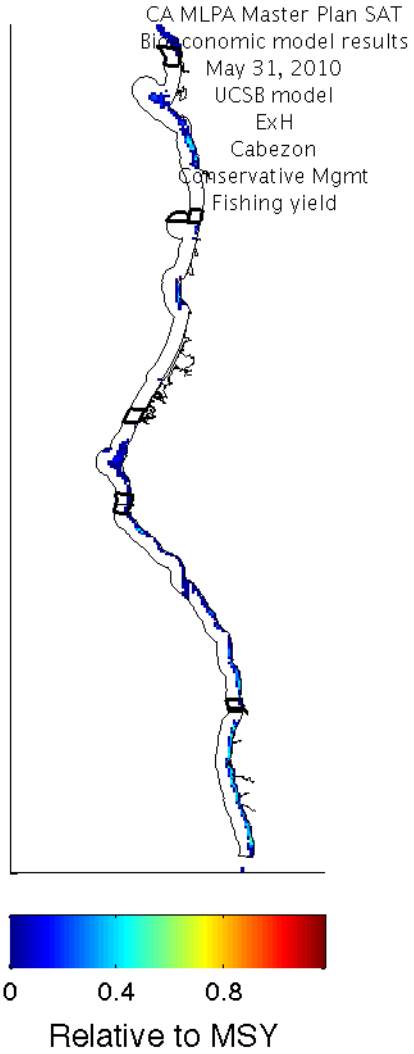

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
Cabezon
Conservative Mgmt
Biomass
0
0.2
0.4
0.6
Relative to unfished

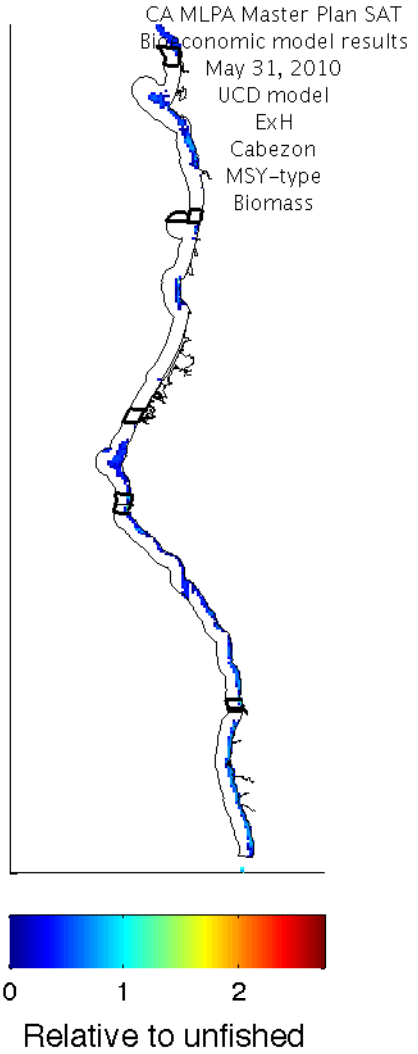

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
Cabezon
Conservative Mgmt
Fishing effort
0
0.5
1
1.5
Relative to MSY maximum effort

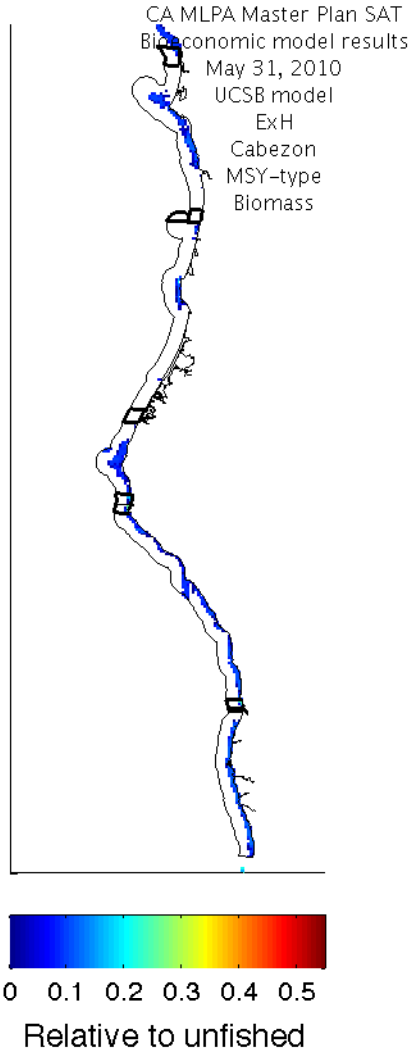

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
Cabezon
Conservative Mgmt
Fishing effort
0
5
10
Relative to MSY maximum effort

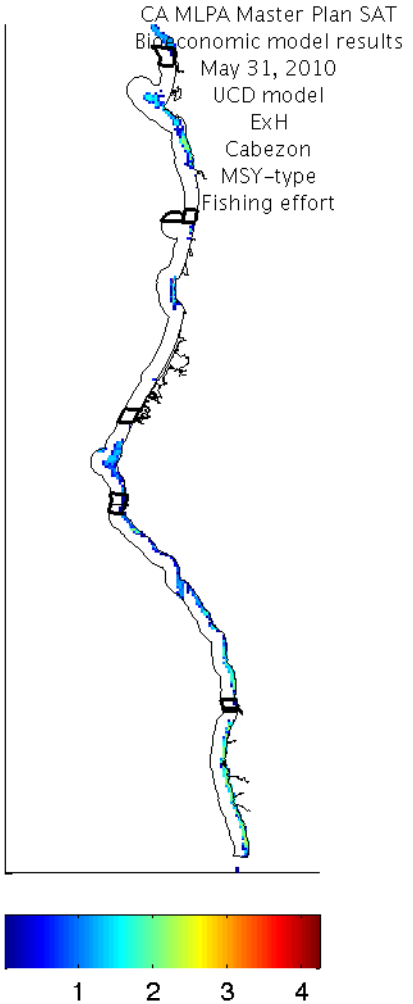

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
Cabezon
Conservative Mgmt
Larval Recruitment
0.1
0.2
0.3
Proportion of Maximum

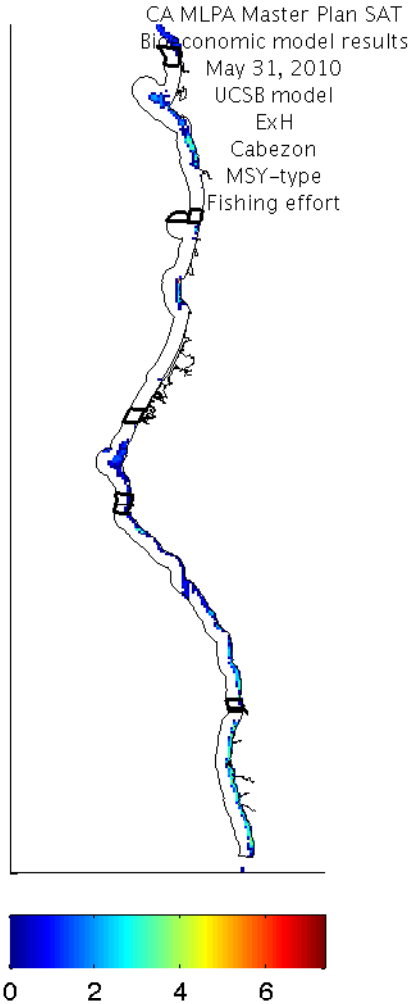

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
Cabezon
Conservative Mgmt
Fishing yield
2
4
6
Relative to MSY

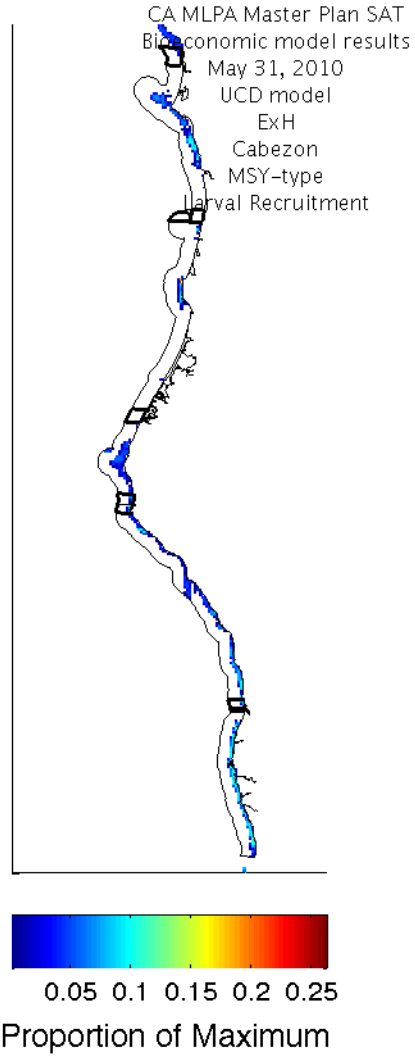

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
Cabezon
Conservative Mgmt
Fishing yield
0
0.4
0.8
Relative to MSY

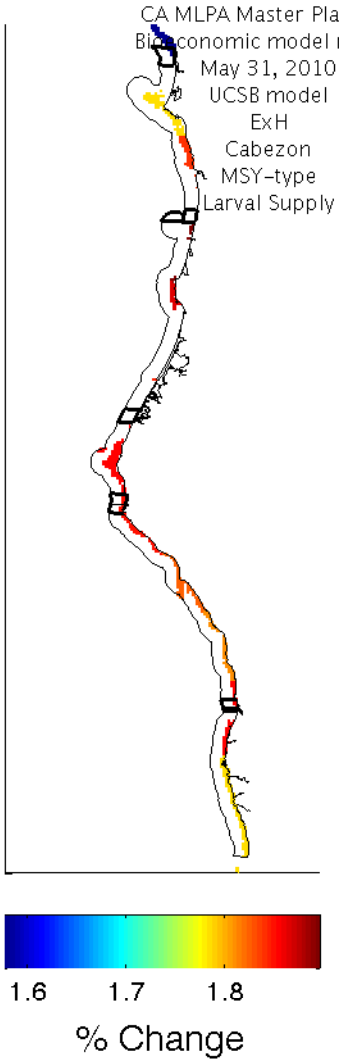

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
Cabezon
MSY-type
Biomass
0
1
2
Relative to unfished

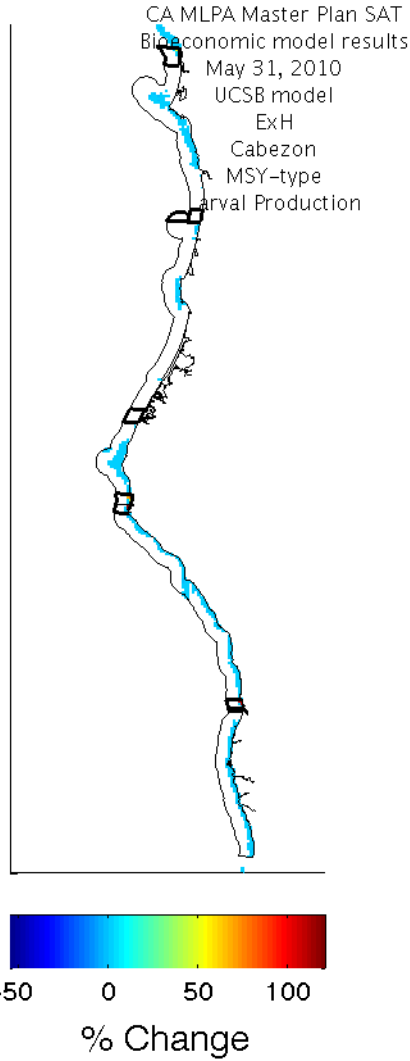

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
Cabezon
MSY-type
Biomass
0
0.1
0.2
0.3
0.4
0.5
Relative to unfished

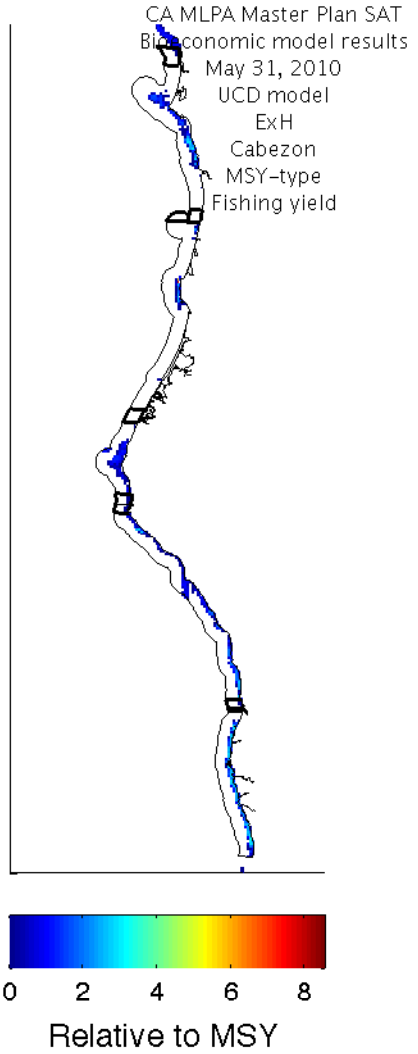

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
Cabezon
MSY-type
Fishing effort
1
2
3
4
Relative to MSY maximum effort

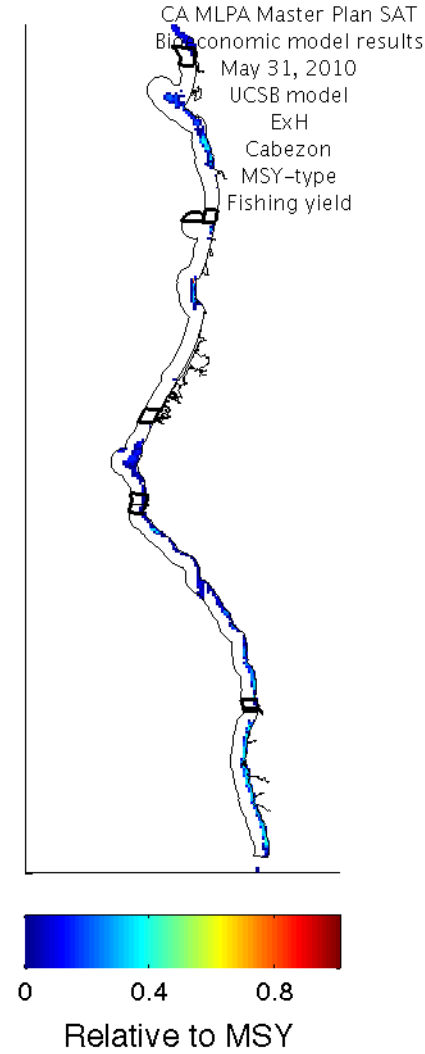

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
Cabezon
MSY-type
Fishing effort
0
2
4
6
Relative to MSY maximum effort

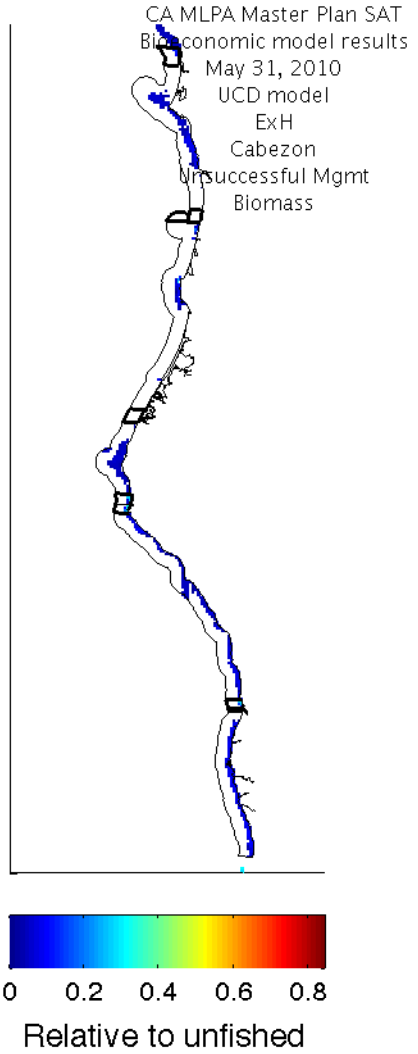

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
Cabezon
MSY-type
larval Recruitment
0.05 0.1 0.15 0.2 0.25
Proportion of Maximum

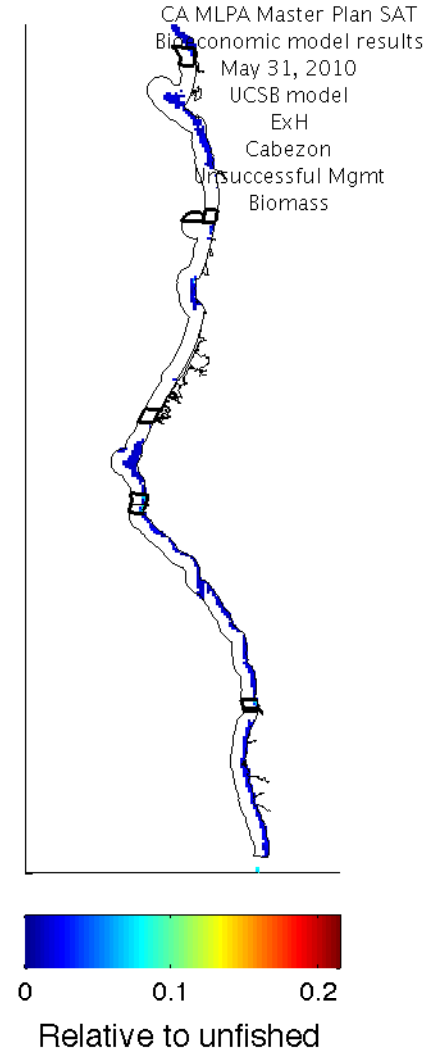

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
Cabezon
MSY-type
Larval Supply
1.6
1.7
1.8
% Change

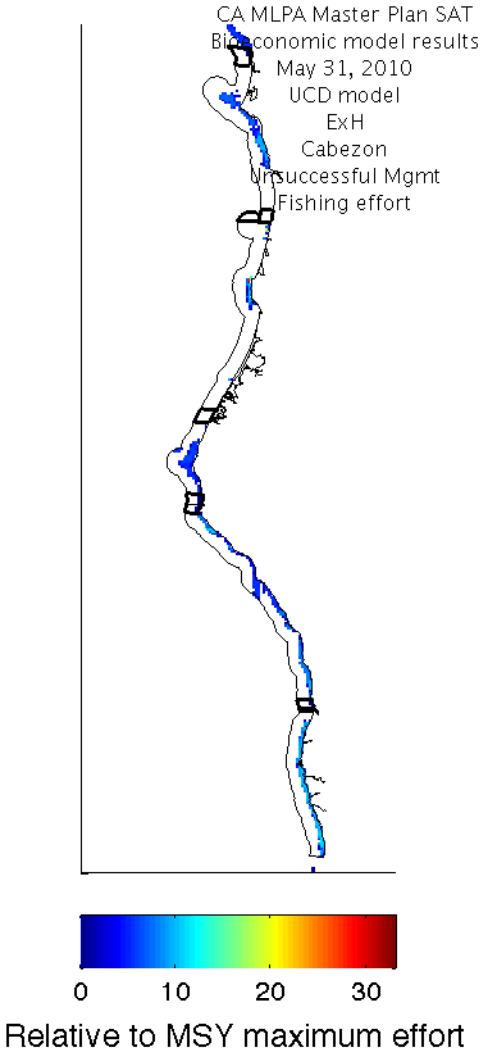

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
Cabezon
MSY-type
arval Production
-50
0
50
100
% Change

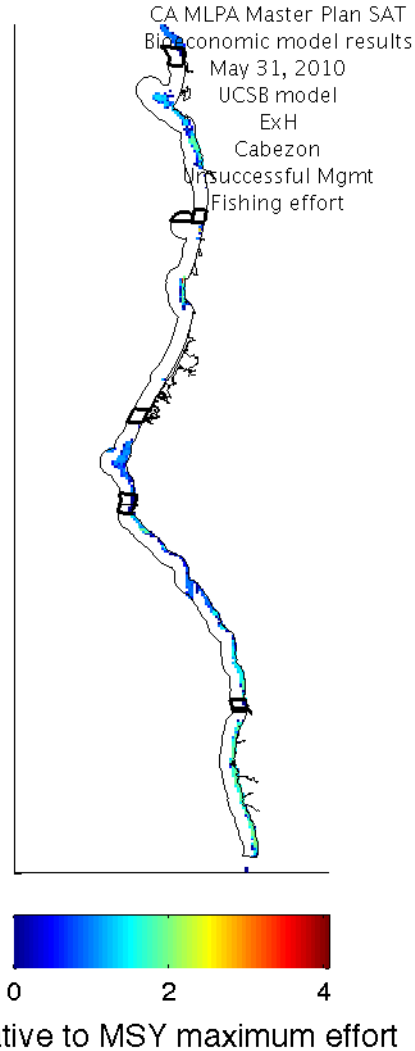

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
Cabezon
MSY-type
Fishing yield
0
2
4
6
8
Relative to MSY

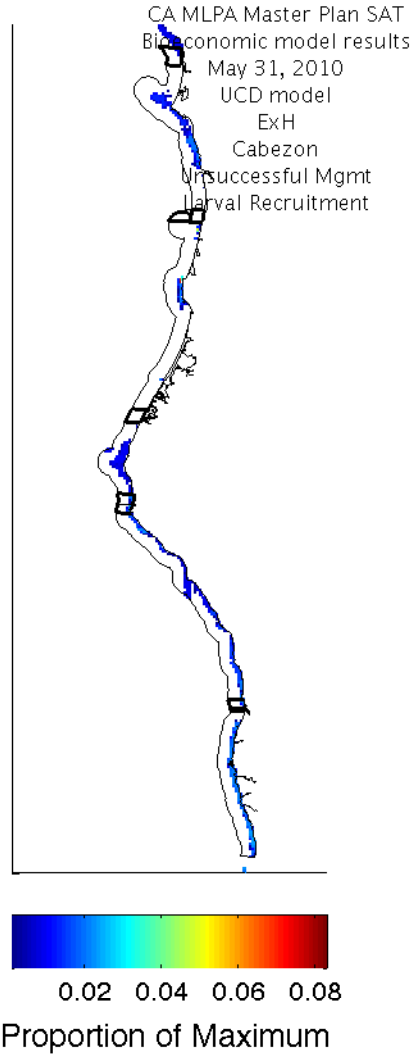

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
Cabezon
MSY-type
Fishing yield
0
0.4
0.8
Relative to MSY

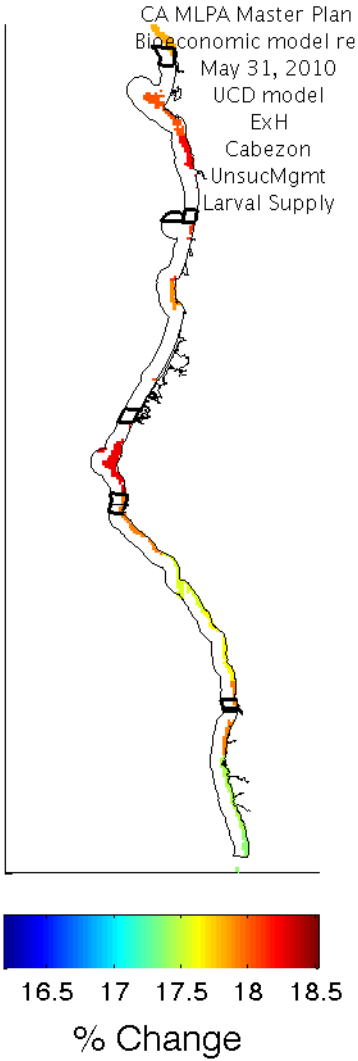

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
Cabezon
Unsuccessful Mgmt
Biomass
0
0.2
0.4
0.6
0.8
Relative to unfished

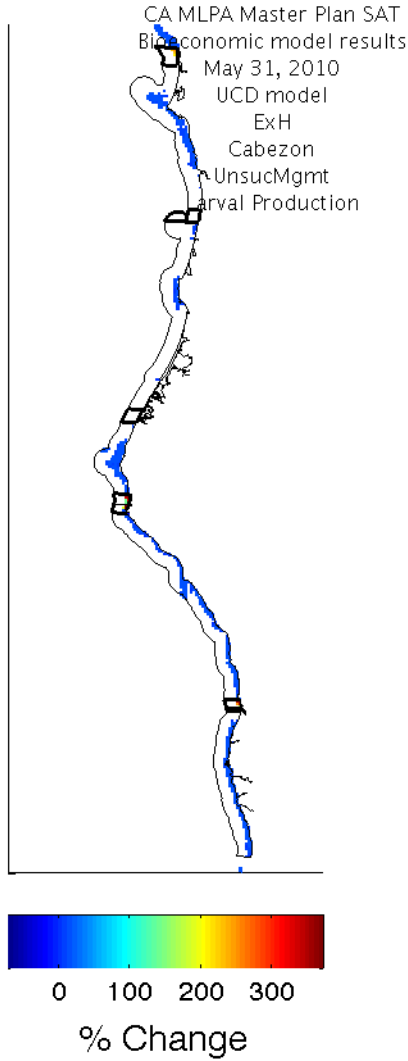

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
Cabezon
Unsuccessful Mgmt
Biomass
0
0.1
0.2
Relative to unfished

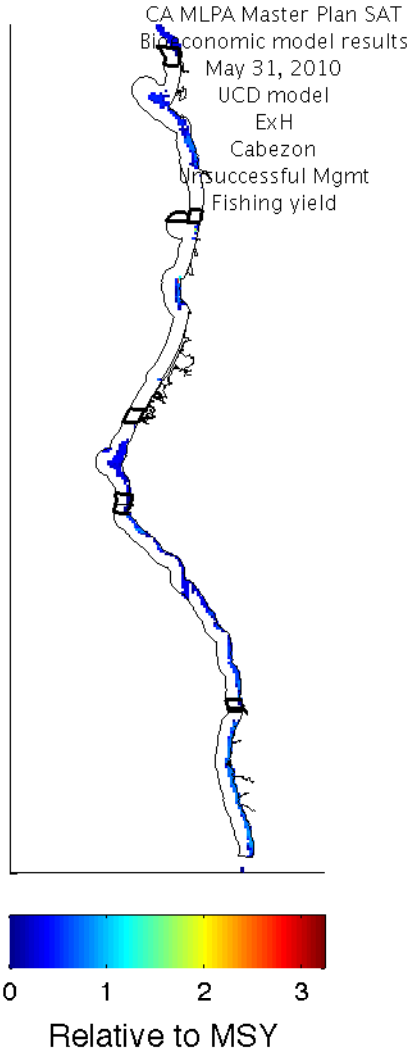

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
Cabezon
Unsuccessful Mgmt
Fishing effort
0
10
20
30
Relative to MSY maximum effort

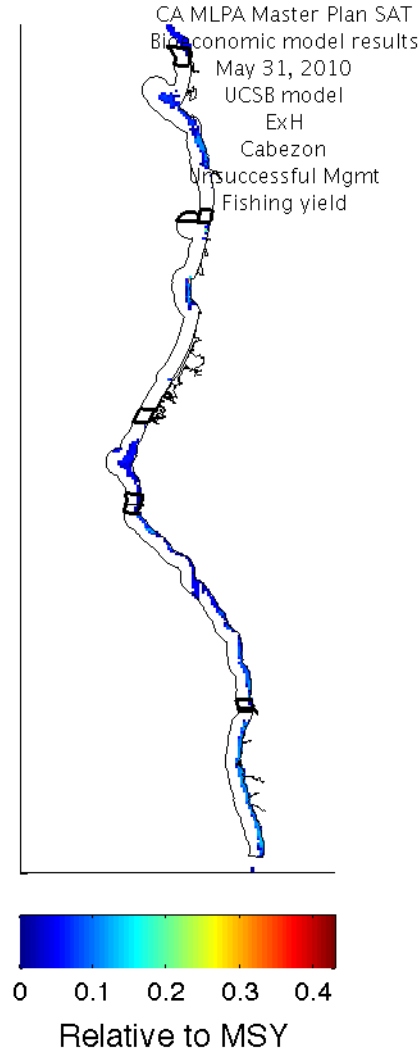

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
Cabezon
Unsuccessful Mgmt
Fishing effort
0
2
4
Relative to MSY maximum effort

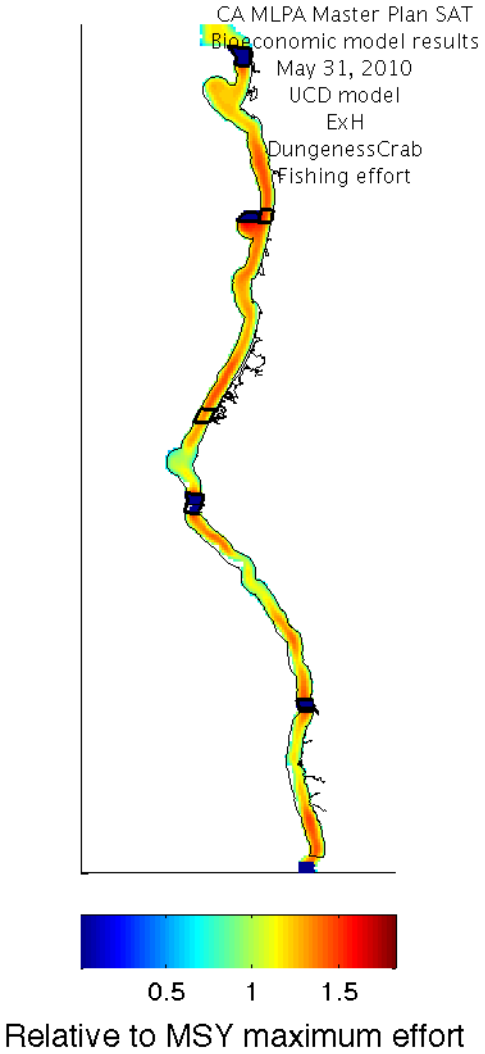

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
Cabezon
Unsuccessful Mgmt
larval Recruitment
0.02
0.04
0.06
0.08
Proportion of Maximum

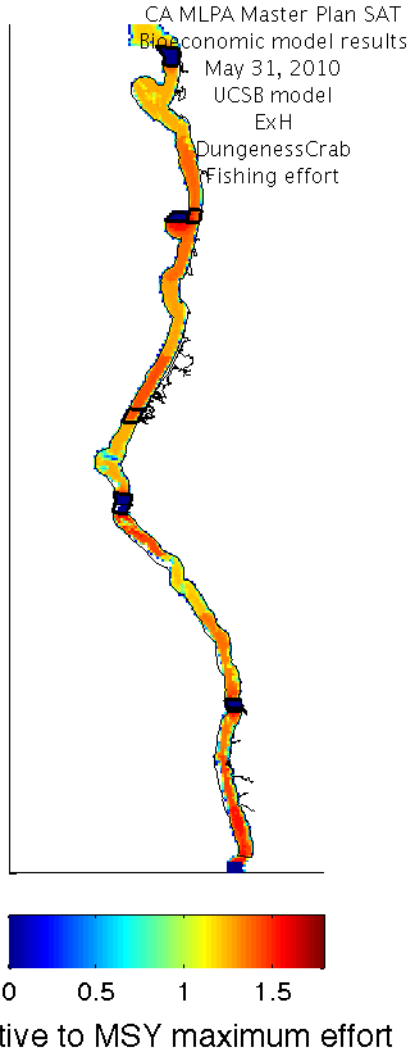

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
Cabezon
UnsucMgmt
Larval Supply
16.5 17 17.5 18 18.5
% Change

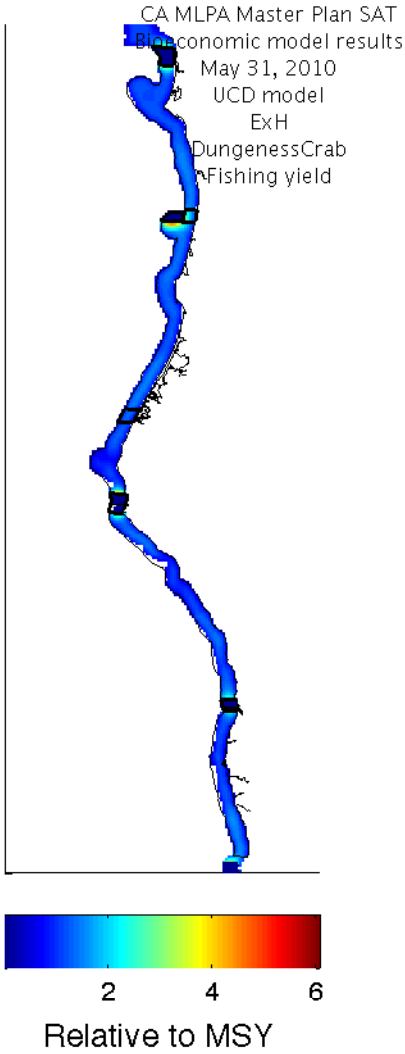

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
Cabezon
UnsucMgmt
arval Production
0 100 200 300
% Change

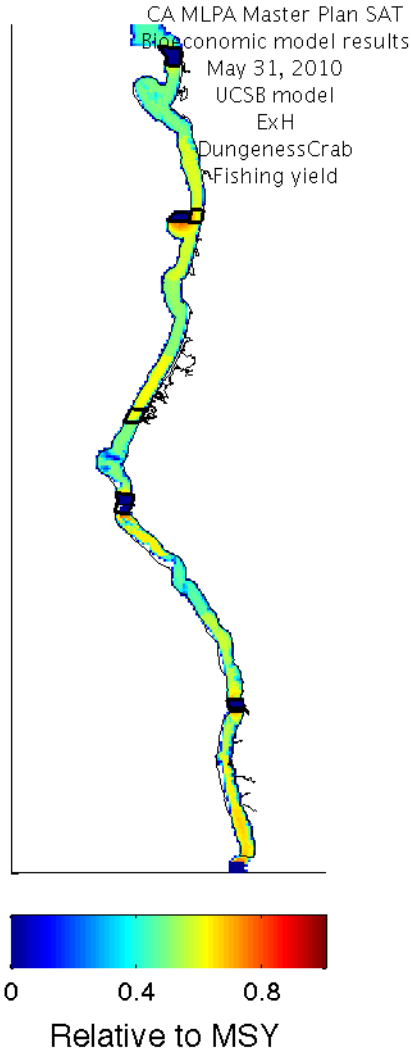

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
Cabezon
Unsuccessful Mgmt
Fishing yield
0
1
2
3
Relative to MSY

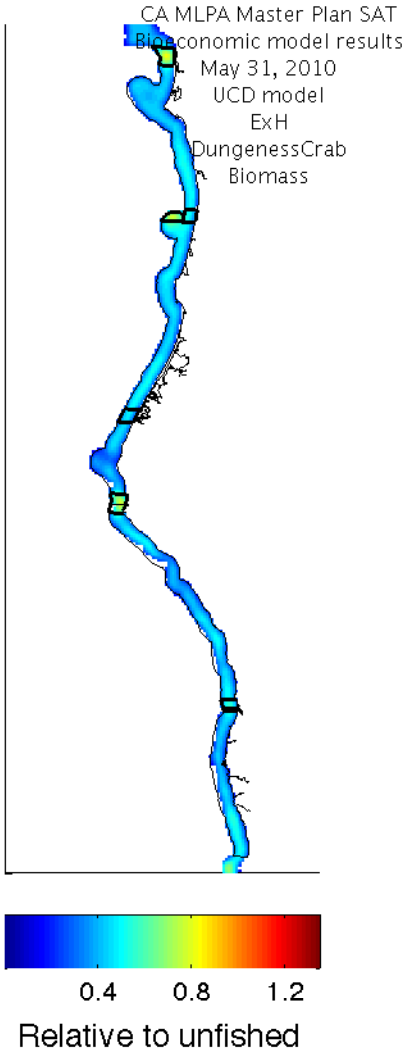

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
Cabezon
Unsuccessful Mgmt
Fishing yield
0
0.1
0.2
0.3
0.4
Relative to MSY

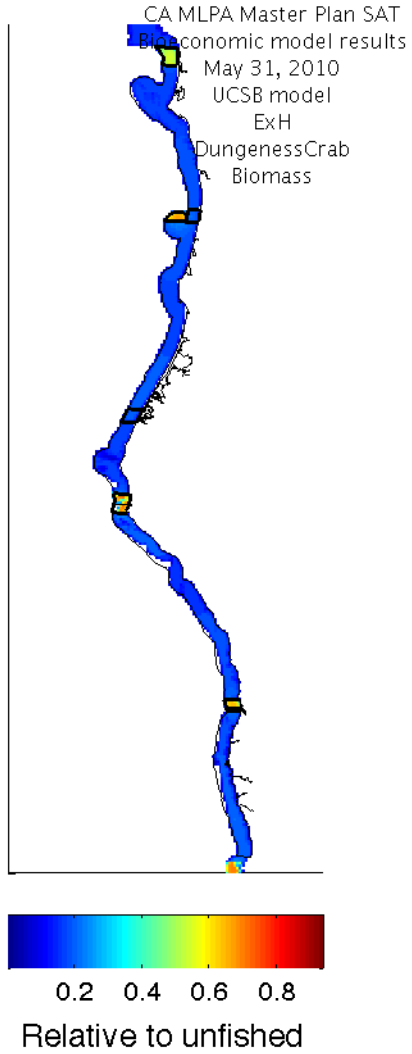

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
DungenessCrab
Fishing effort
0.5
1
1.5
Relative to MSY maximum effort

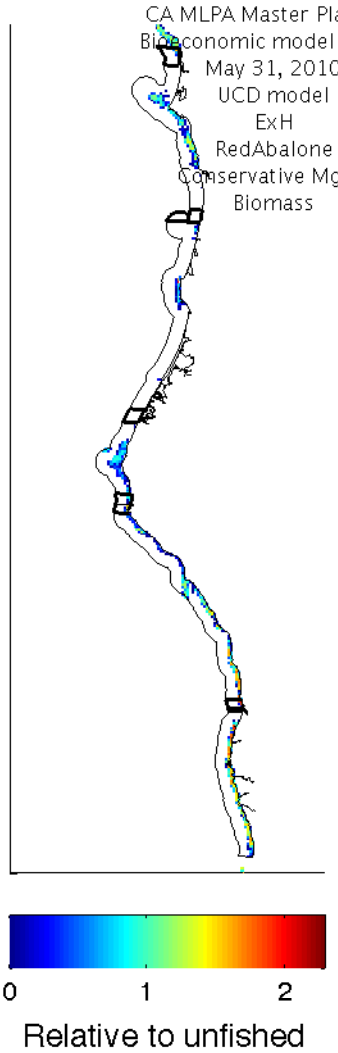

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
DungenessCrab
Fishing effort
0
0.5
1
1.5
Relative to MSY maximum effort

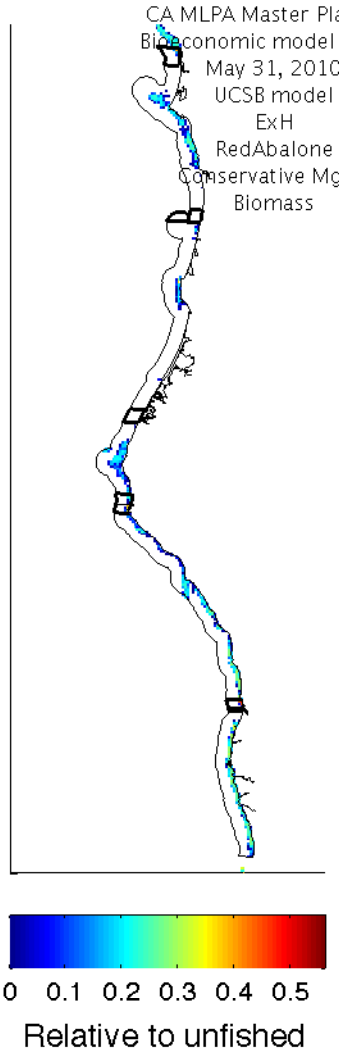

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
DungenessCrab
Fishing yield
2
4
6
Relative to MSY

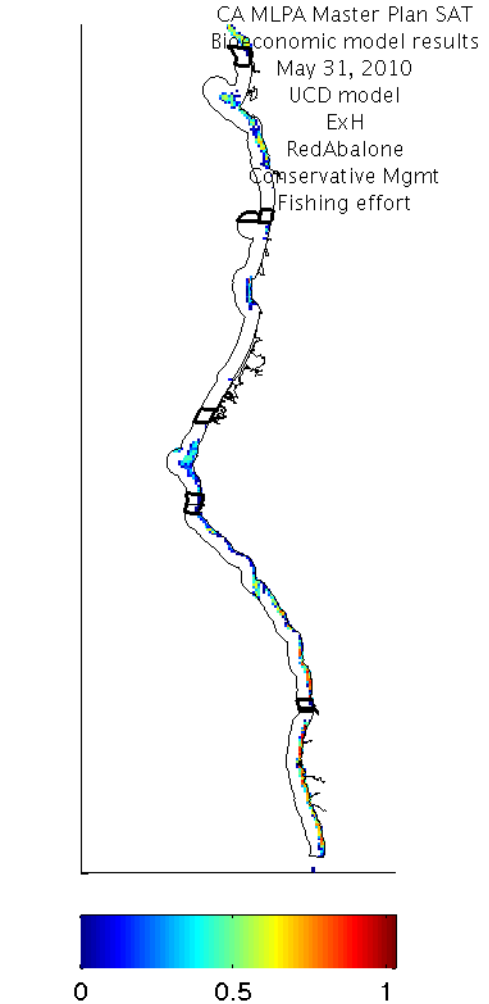

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
DungenessCrab
Fishing yield
0
0.4
0.8
Relative to MSY

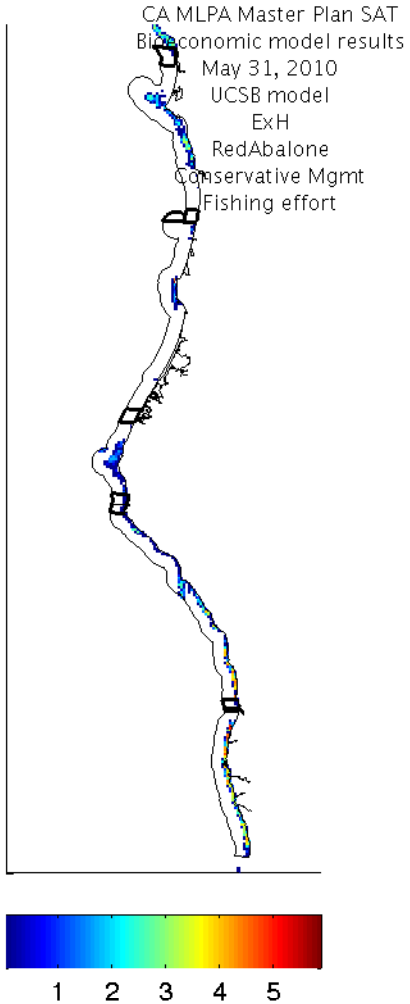

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
DungenessCrab
Biomass
0.4
0.8
1.2
Relative to unfished

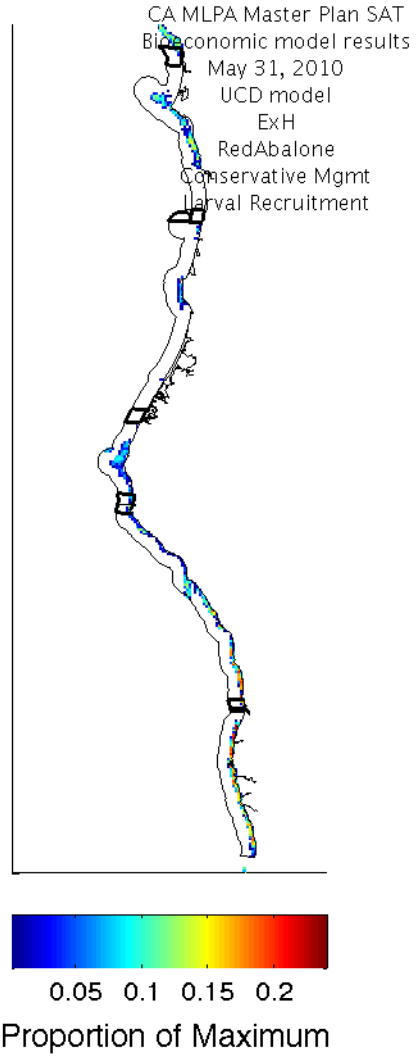

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
DungenessCrab
Biomass
0.2
0.4
0.6
0.8
Relative to unfished

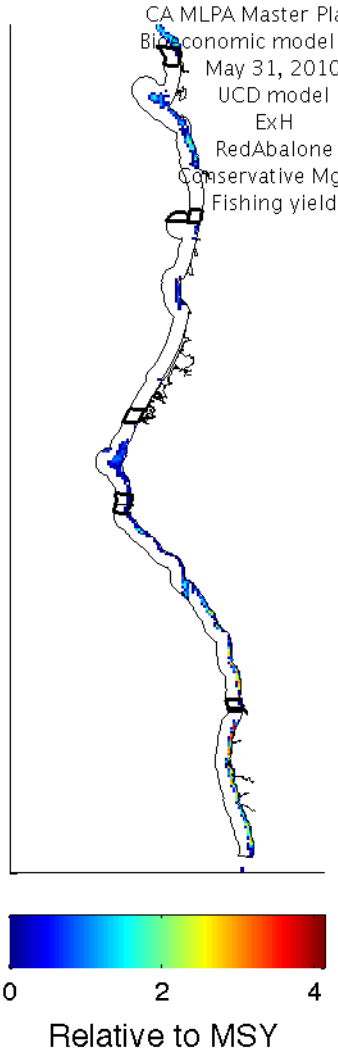

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
RedAbalone
Conservative Mgmt
Biomass
0
1
2
Relative to unfished

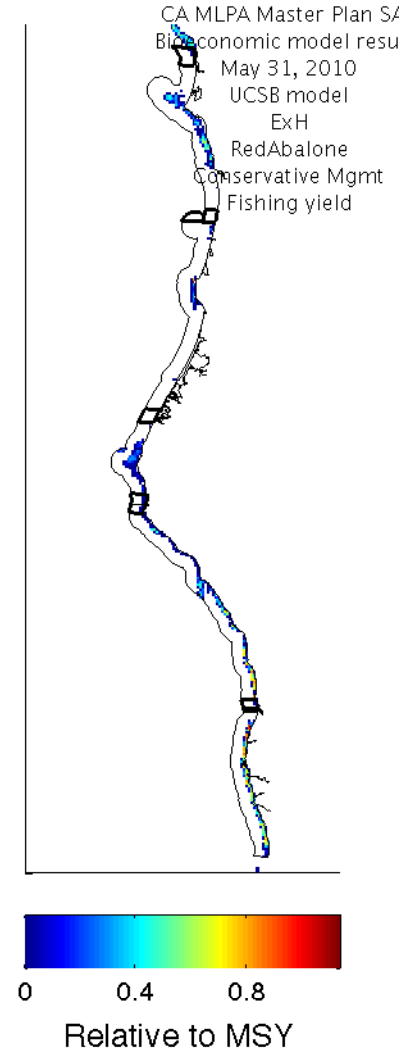

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
RedAbalone
Conservative Mgmt
Biomass
0
0.1
0.2
0.3
0.4
0.5
Relative to unfished

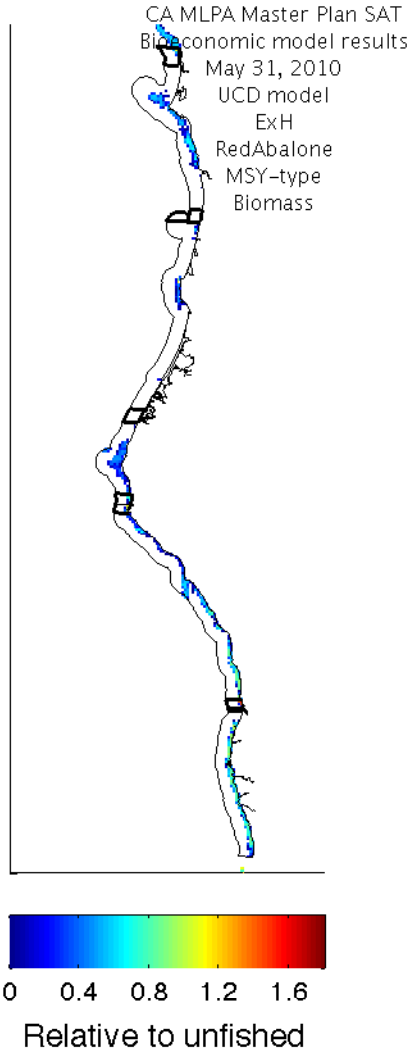

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
RedAbalone
Conservative Mgmt
Fishing effort
0
0.5
1
Relative to MSY maximum effort

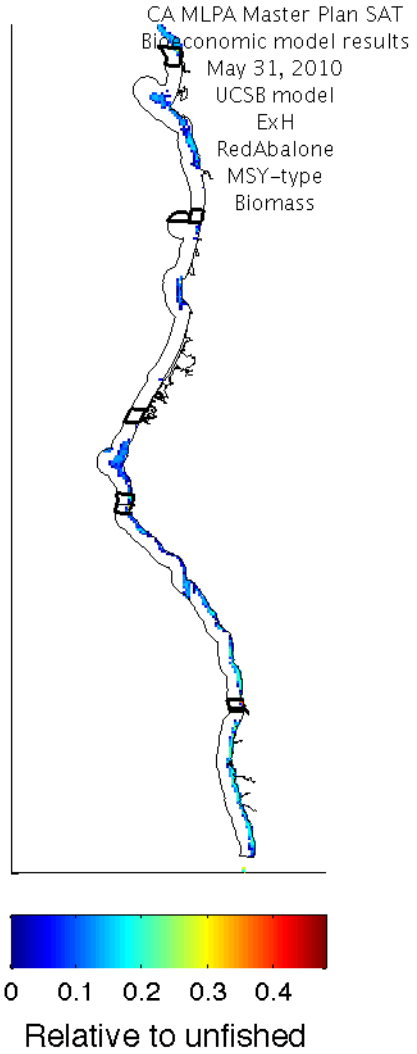

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
RedAbalone
Conservative Mgmt
Fishing effort
1
2
3
4
5
Relative to MSY maximum effort

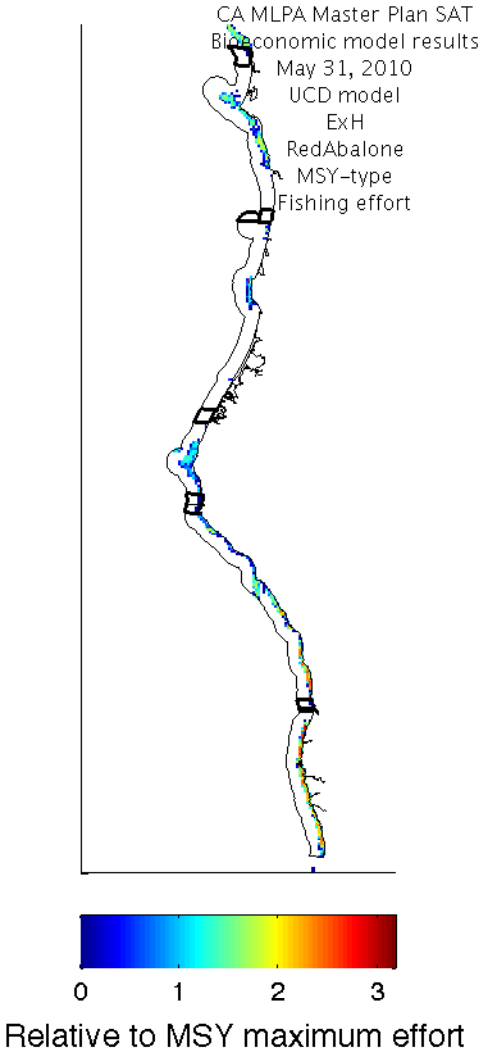

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
RedAbalone
Conservative Mgmt
Larval Recruitment
0.05 0.1 0.15 0.2
Proportion of Maximum

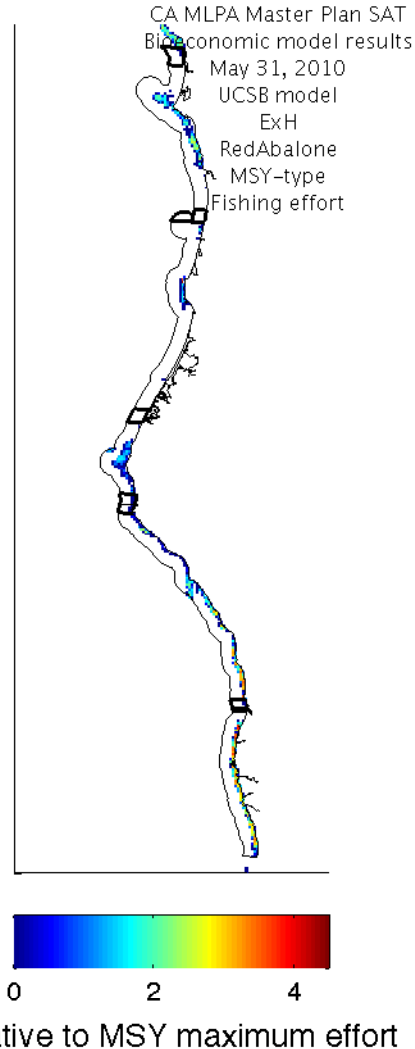

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
RedAbalone
Conservative Mgmt
Fishing yield
0
2
4
Relative to MSY

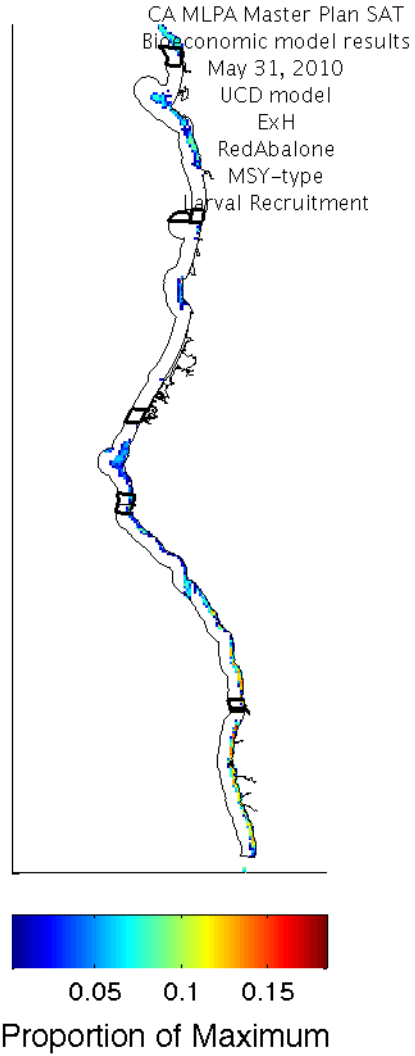

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
RedAbalone
Conservative Mgmt
Fishing yield
0
0.4
0.8
Relative to MSY

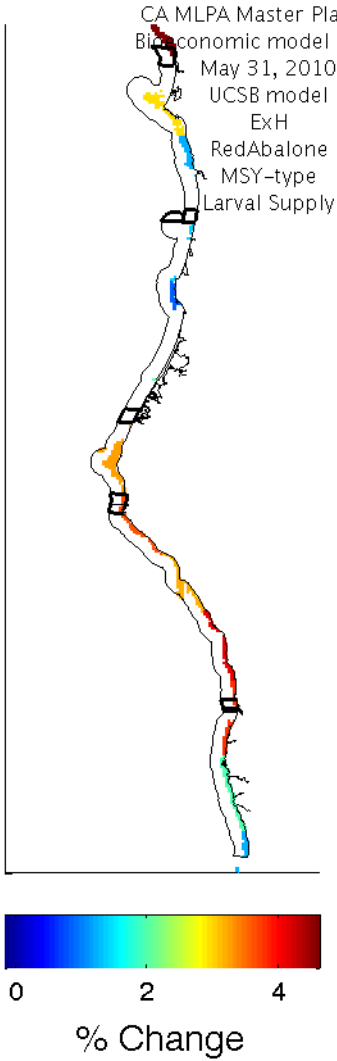

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
RedAbalone
MSY-type
Biomass
0
0.4
0.8
1.2
1.6
Relative to unfished

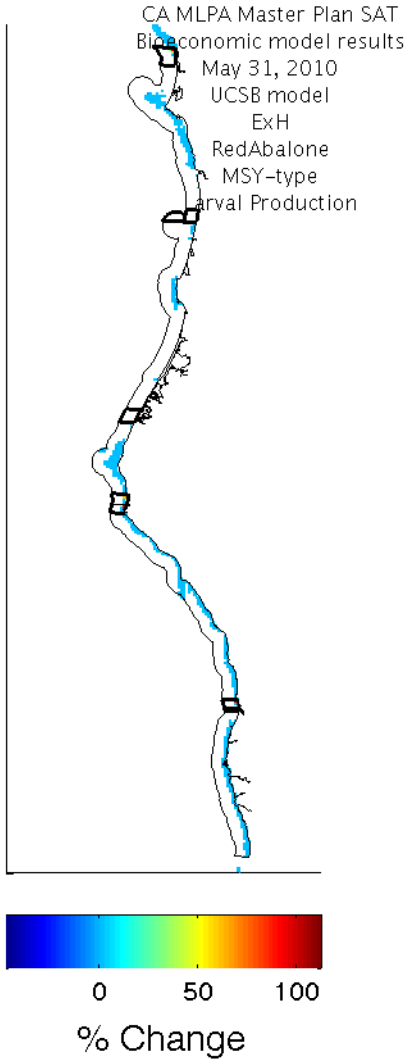

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
RedAbalone
MSY-type
Biomass
0
0.1
0.2
0.3
0.4
Relative to unfished

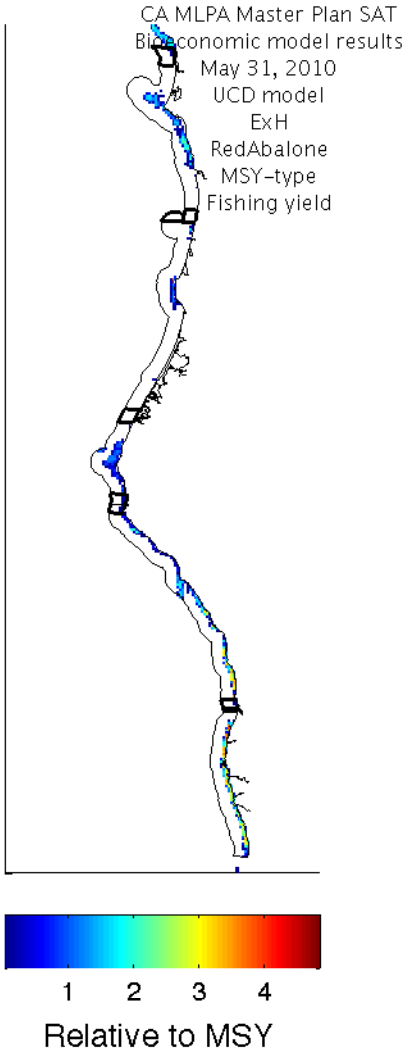

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
RedAbalone
MSY-type
Fishing effort
0
1
2
3
Relative to MSY maximum effort

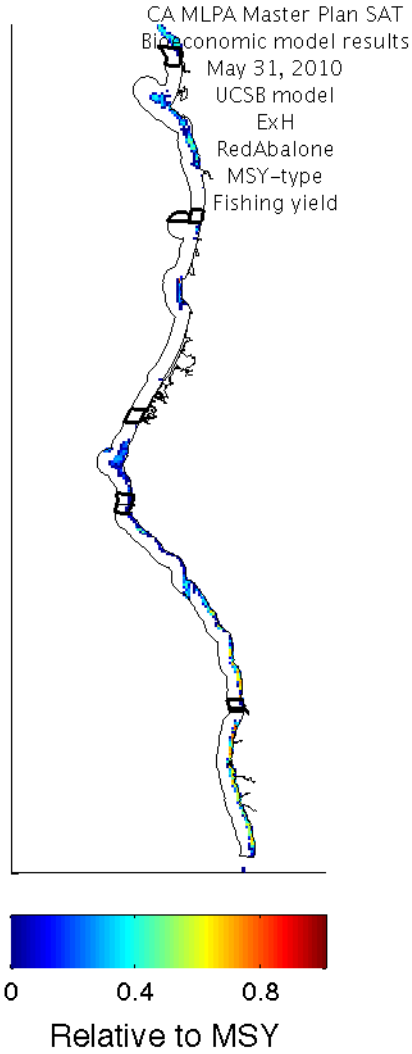

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
RedAbalone
MSY-type
Fishing effort
0
2
4
Relative to MSY maximum effort

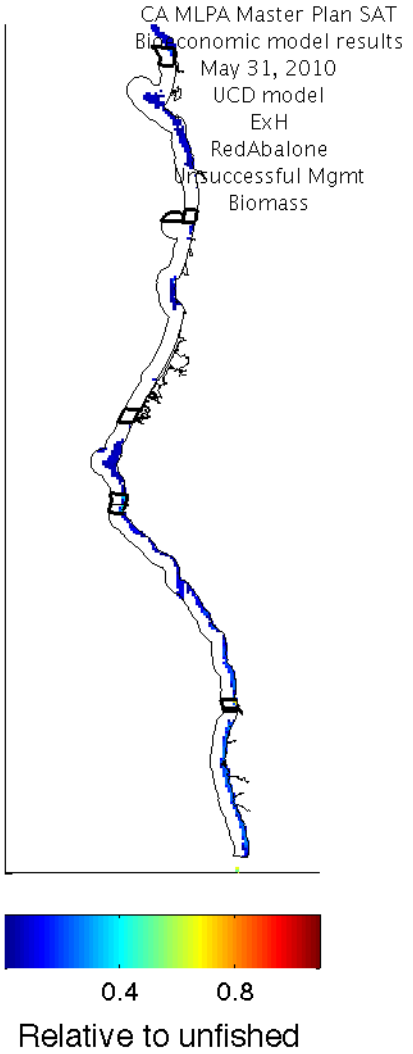

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
RedAbalone
MSY-type
larval Recruitment
0.05
0.1
0.15
Proportion of Maximum

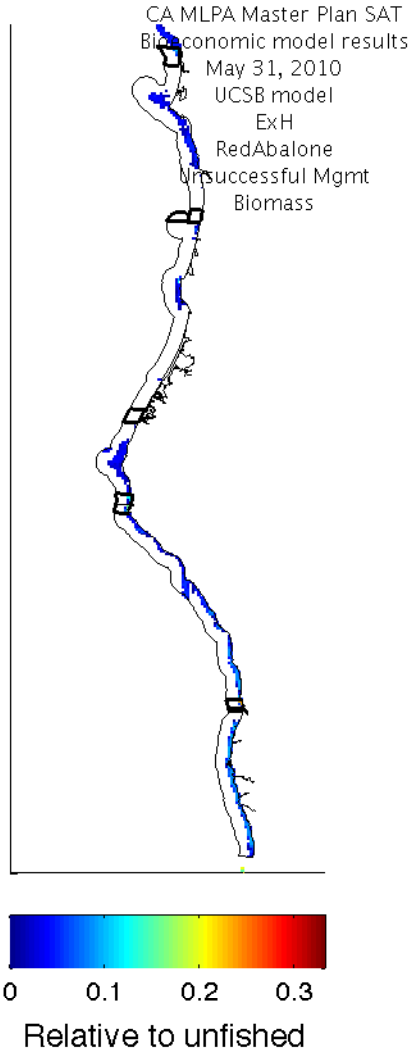

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
RedAbalone
MSY-type
Larval Supply
0
2
4
% Change

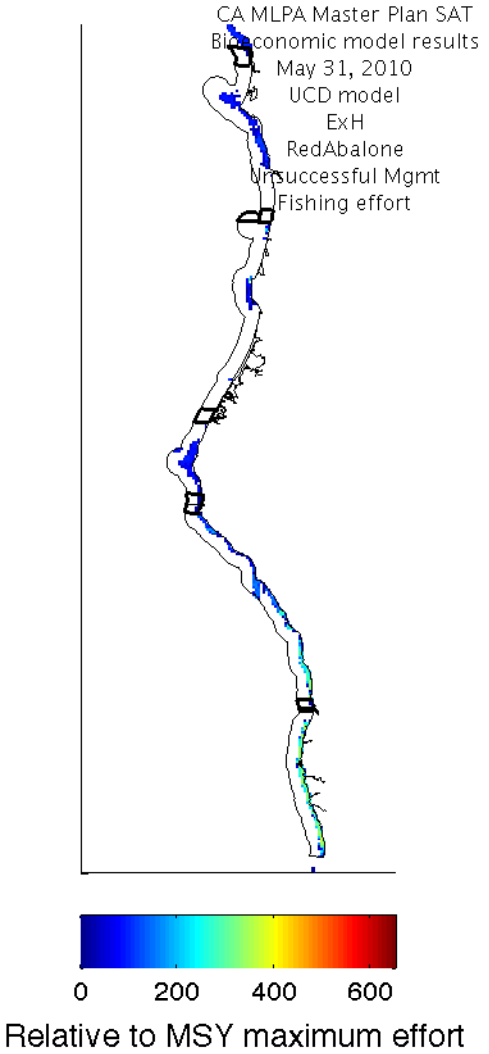

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
RedAbalone
MSY-type
arval Production
0
50
100
% Change

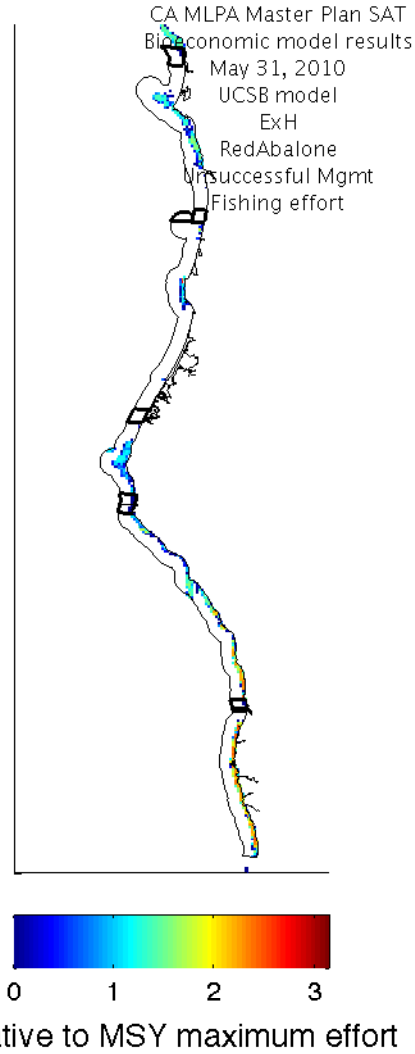

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
RedAbalone
MSY-type
Fishing yield
1
2
3
4
Relative to MSY

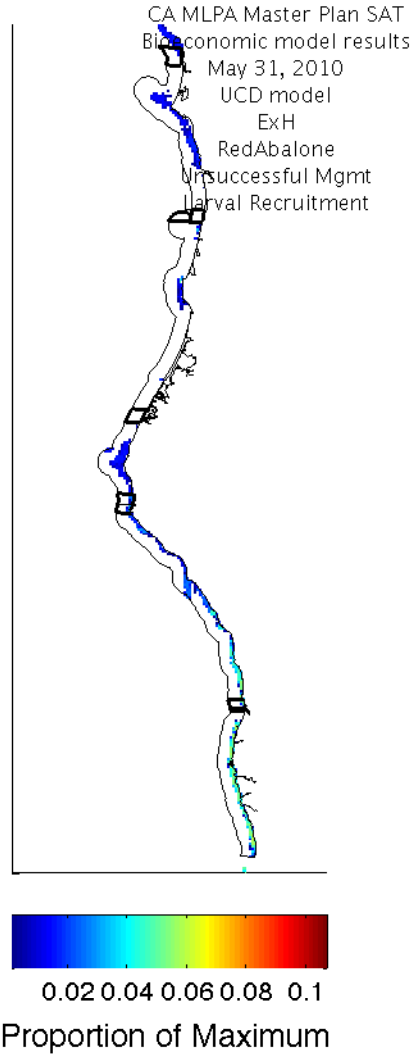

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
RedAbalone
MSY-type
Fishing yield
0
0.4
0.8
Relative to MSY

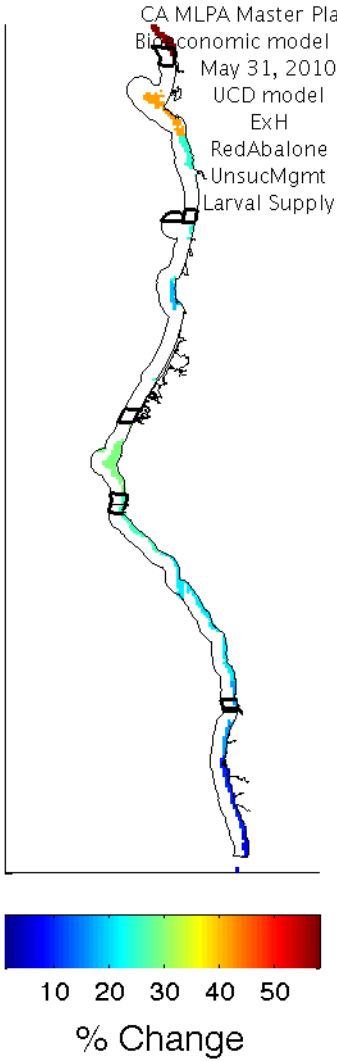

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
RedAbalone
Unsuccessful Mgmt
Biomass
0.4
0.8
Relative to unfished

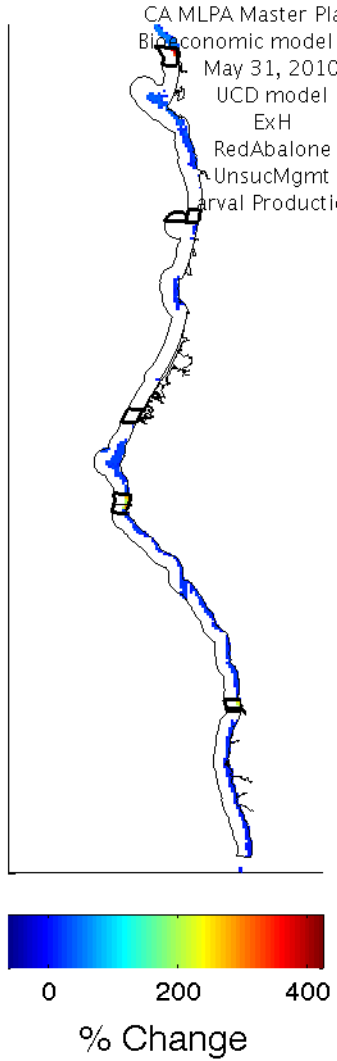

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
RedAbalone
Unsuccessful Mgmt
Biomass
0
0.1
0.2
0.3
Relative to unfished

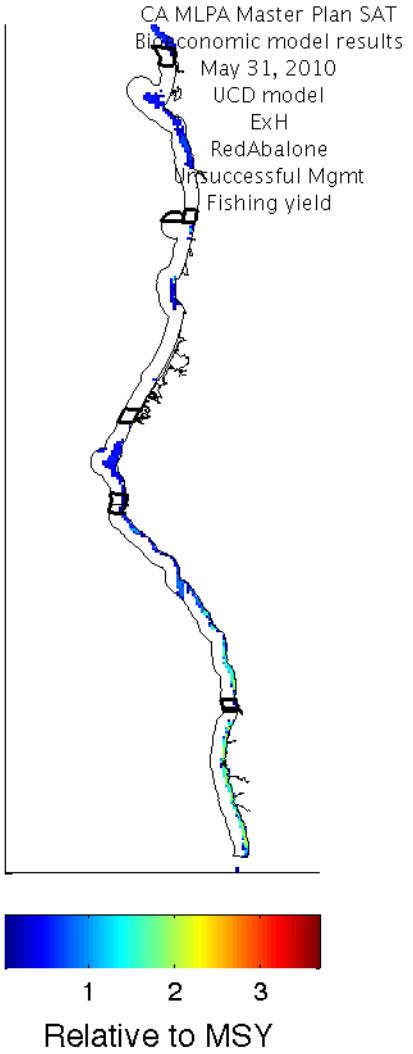

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
RedAbalone
Unsuccessful Mgmt
Fishing effort
0
200
400
600
Relative to MSY maximum effort

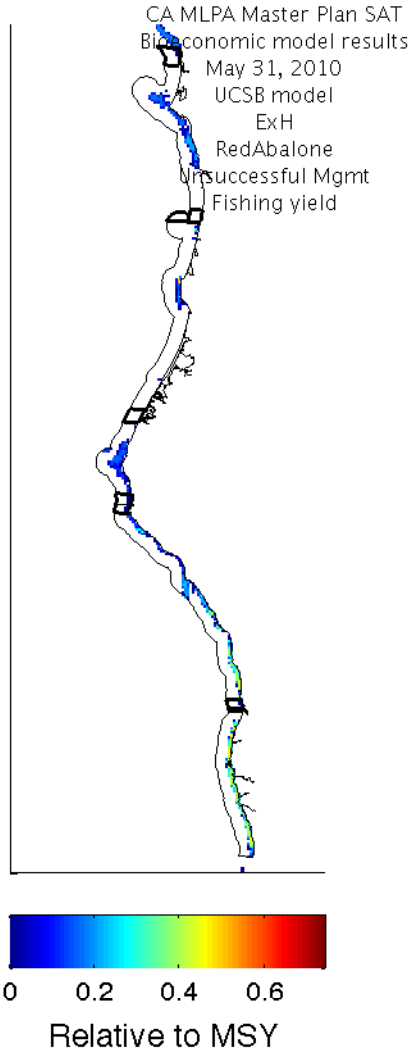

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
RedAbalone
Unsuccessful Mgmt
Fishing effort
0
1
2
3
Relative to MSY maximum effort

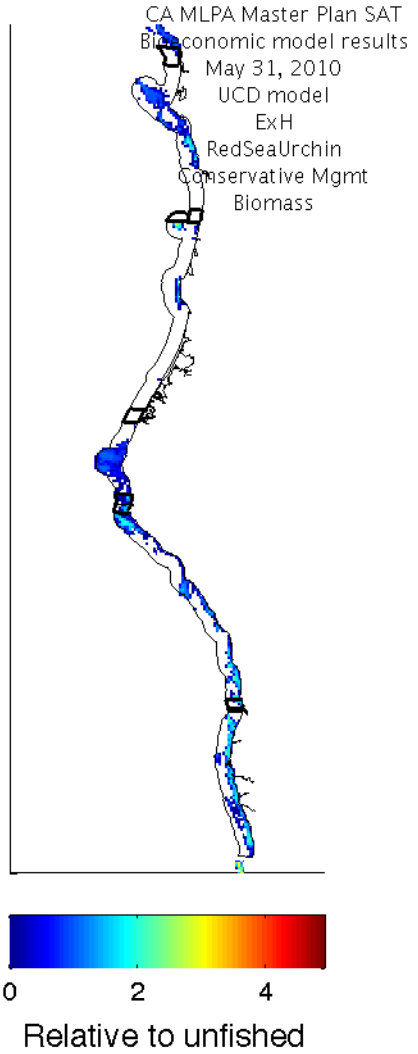

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
RedAbalone
Unsuccessful Mgmt
larval Recruitment
0.02 0.04 0.06 0.08 0.1
Proportion of Maximum

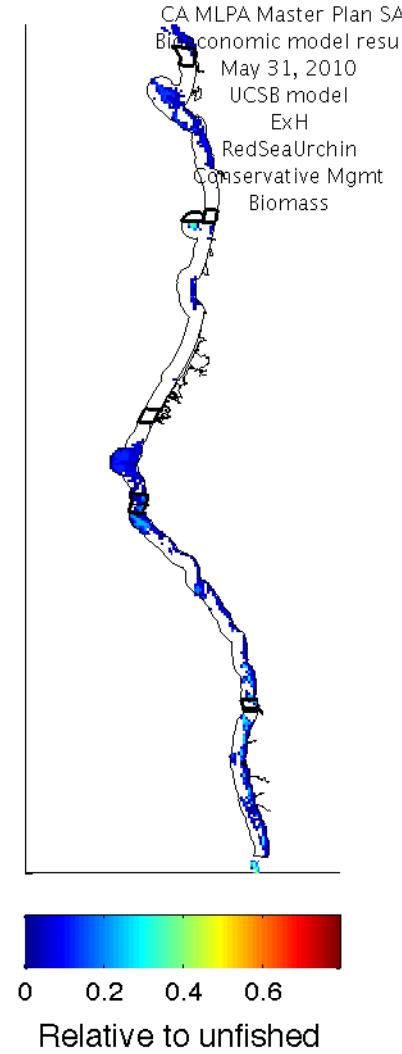

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
RedAbalone
UnsucMgmt
Larval Supply
10 20 30 40 50
% Change

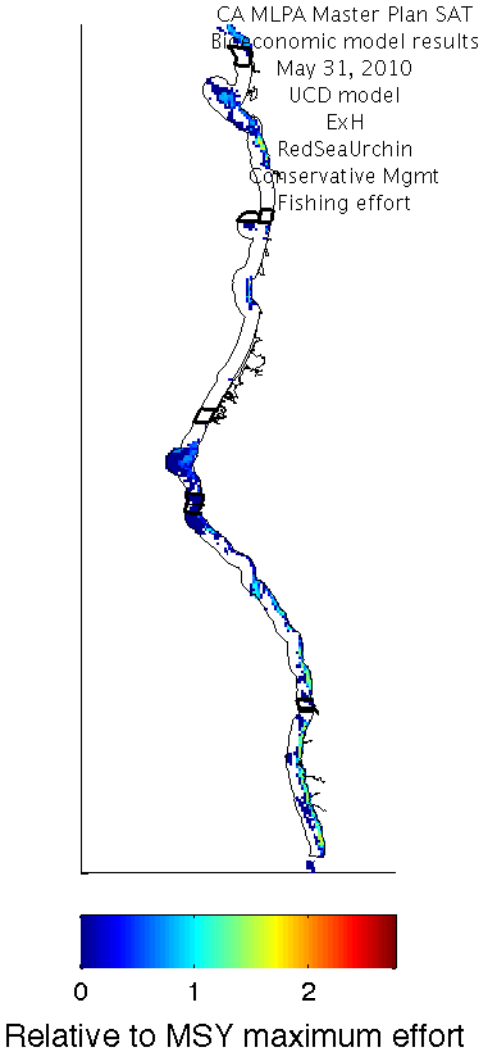

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
RedAbalone
UnsucMgmt
arval Production
0 200 400
% Change

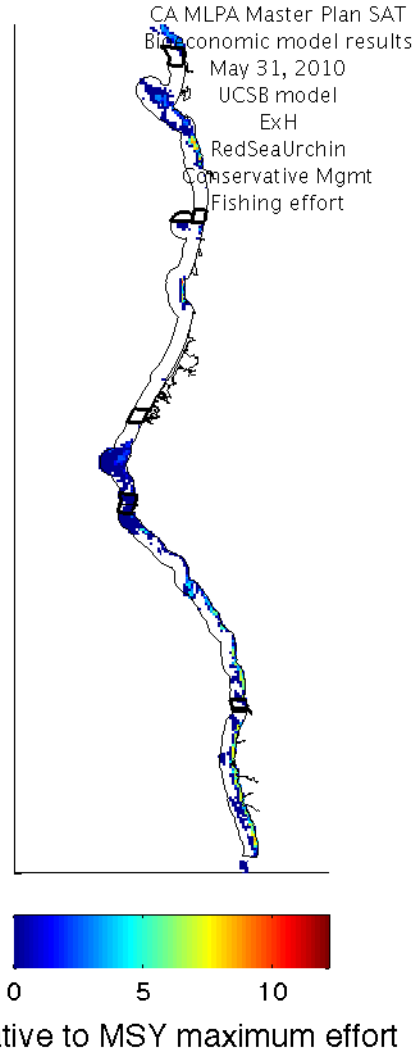

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
RedAbalone
Unsuccessful Mgmt
Fishing yield
1
2
3
Relative to MSY

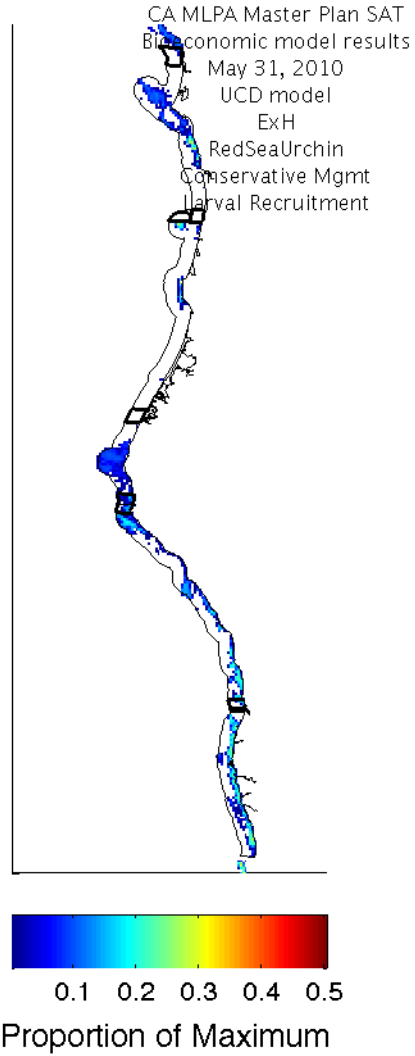

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
RedAbalone
Unsuccessful Mgmt
Fishing yield
0
0.2
0.4
0.6
Relative to MSY

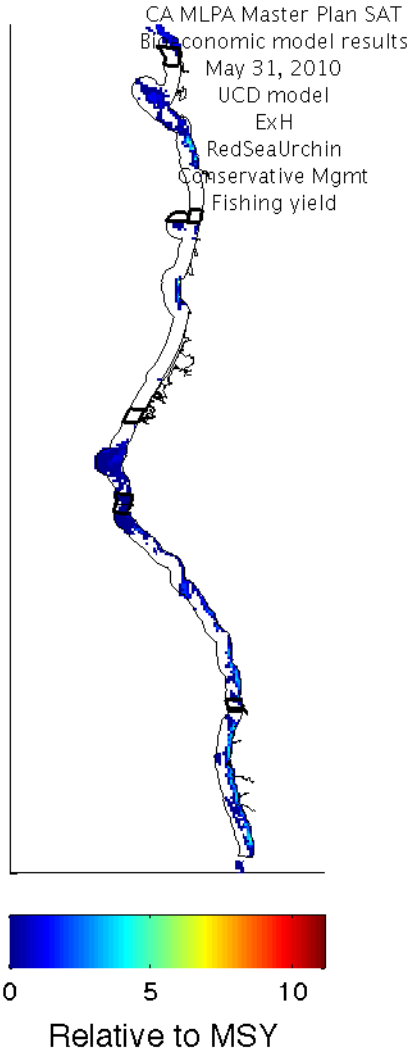

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
RedSeaUrchin
Conservative Mgmt
Biomass
0
2
4
Relative to unfished

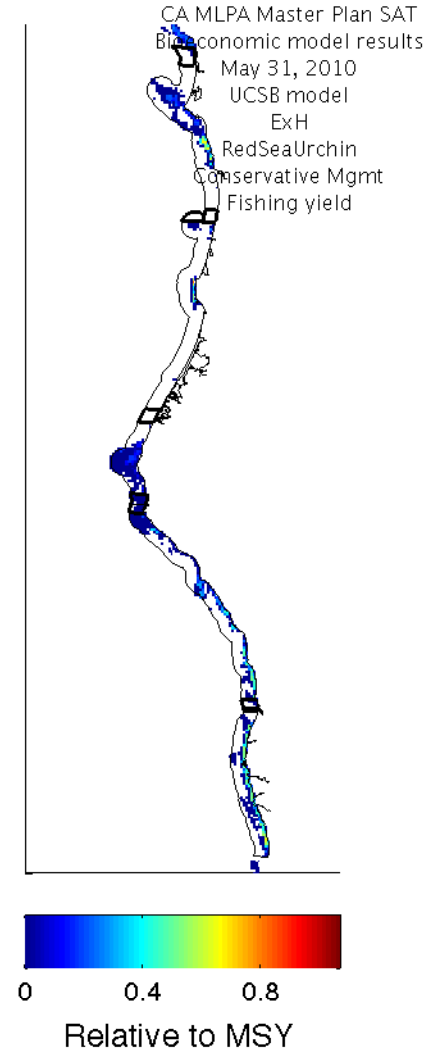

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
RedSeaUrchin
Conservative Mgmt
Biomass
0
0.2
0.4
0.6
Relative to unfished

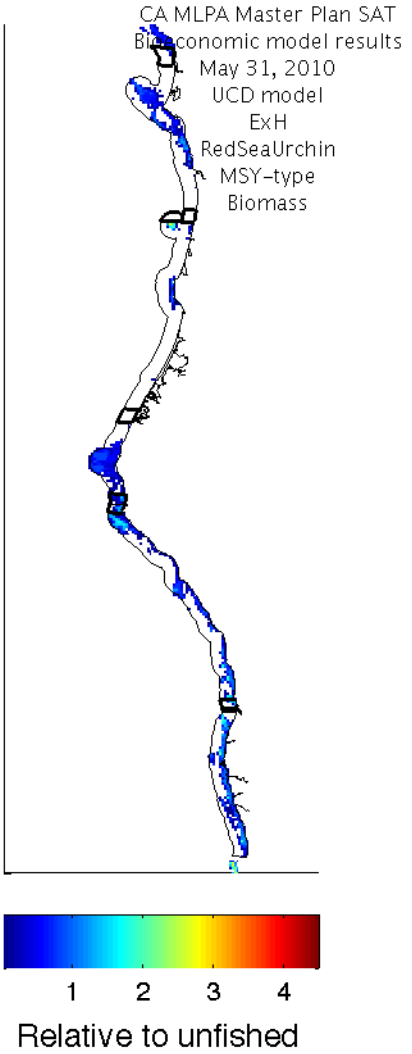

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
RedSeaUrchin
Conservative Mgmt
Fishing effort
0
1
2
Relative to MSY maximum effort

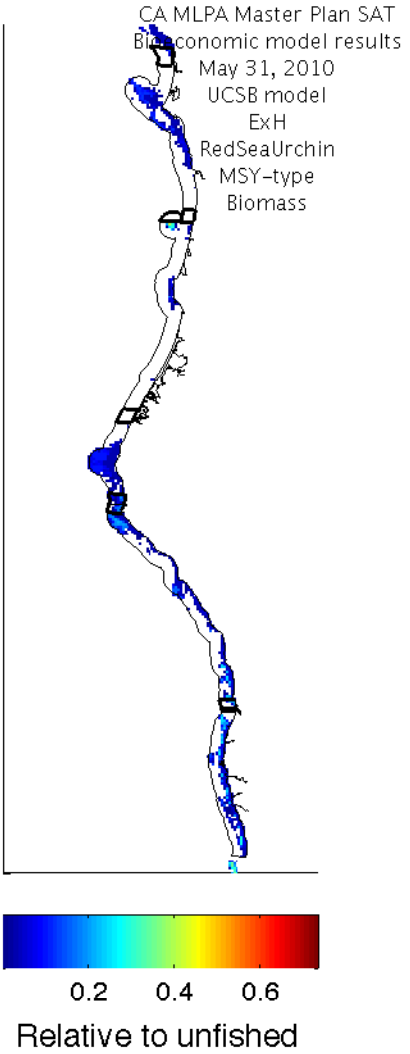

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
RedSeaUrchin
Conservative Mgmt
Fishing effort
0
5
10
Relative to MSY maximum effort

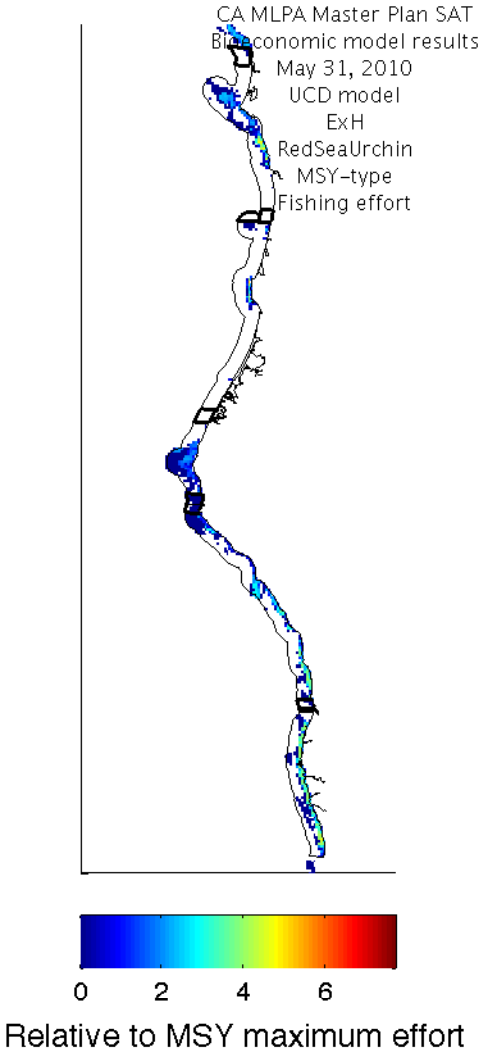

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
RedSeaUrchin
Conservative Mgmt
Larval Recruitment
0.1
0.2
0.3
0.4
0.5
Proportion of Maximum

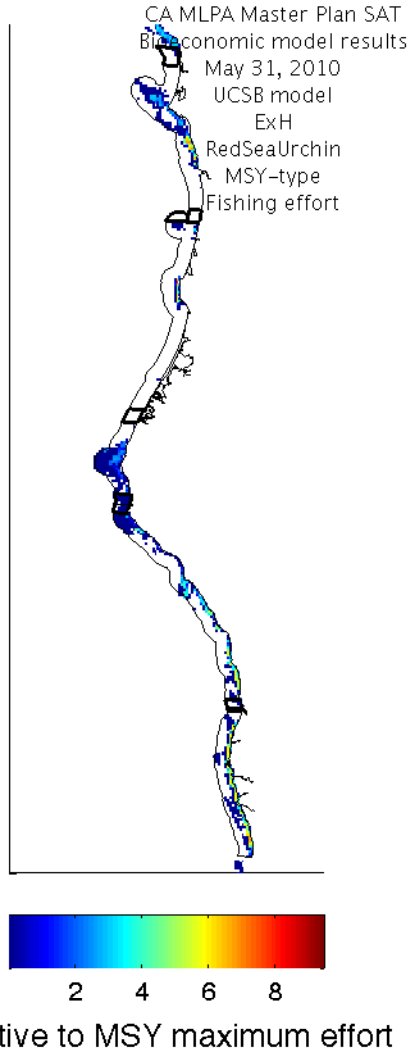

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
RedSeaUrchin
Conservative Mgmt
Fishing yield
0
5
10
Relative to MSY

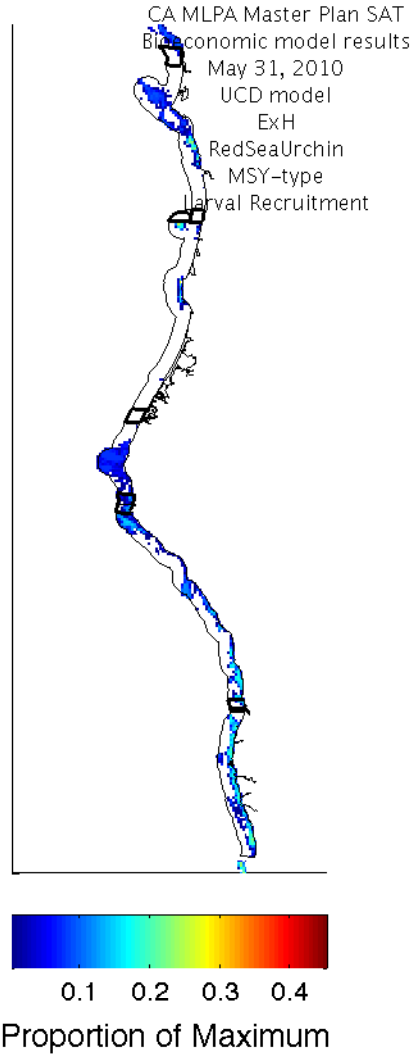

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
RedSeaUrchin
Conservative Mgmt
Fishing yield
0
0.4
0.8
Relative to MSY

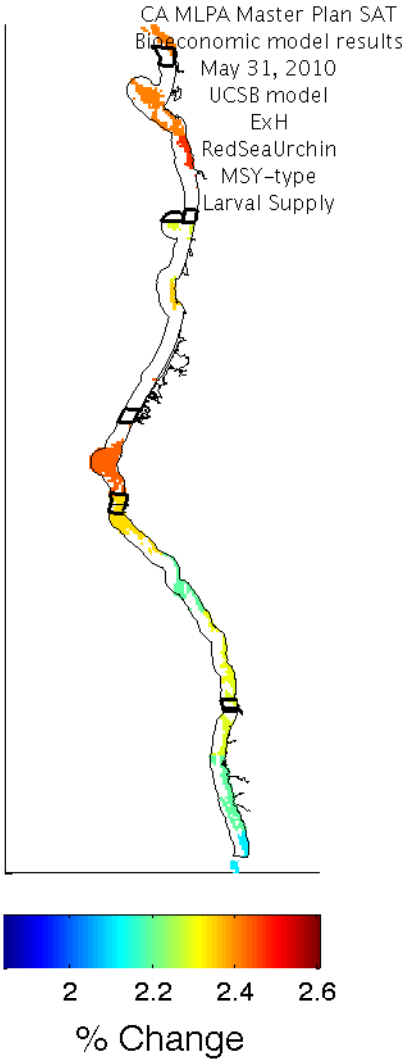

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
RedSeaUrchin
MSY-type
Biomass
1
2
3
4
Relative to unfished

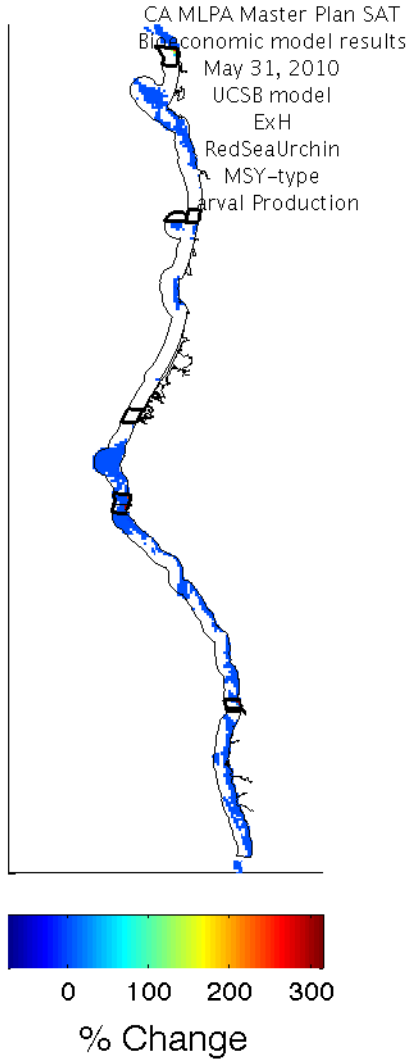

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
RedSeaUrchin
MSY-type
Biomass
0.2
0.4
0.6
Relative to unfished

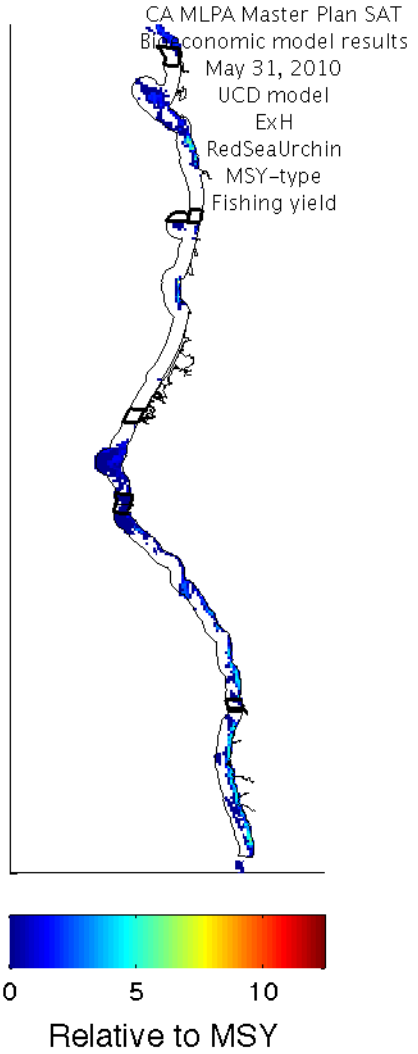

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
RedSeaUrchin
MSY-type
Fishing effort
0
2
4
6
Relative to MSY maximum effort

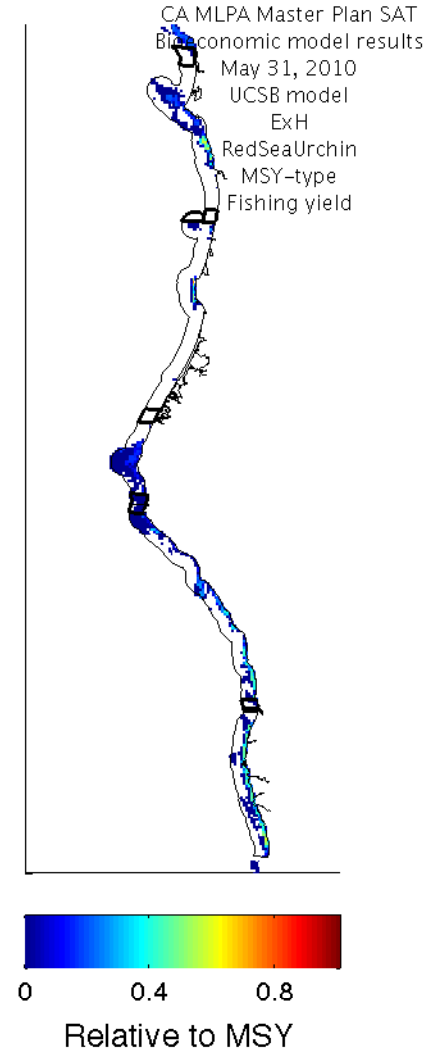

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
RedSeaUrchin
MSY-type
Fishing effort
2
4
6
8
Relative to MSY maximum effort

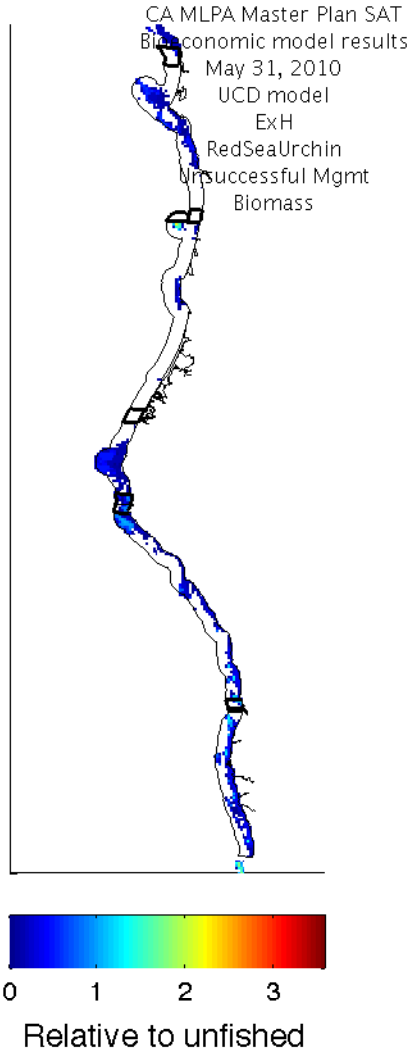

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
RedSeaUrchin
MSY-type
larval Recruitment
0.1
0.2
0.3
0.4
Proportion of Maximum

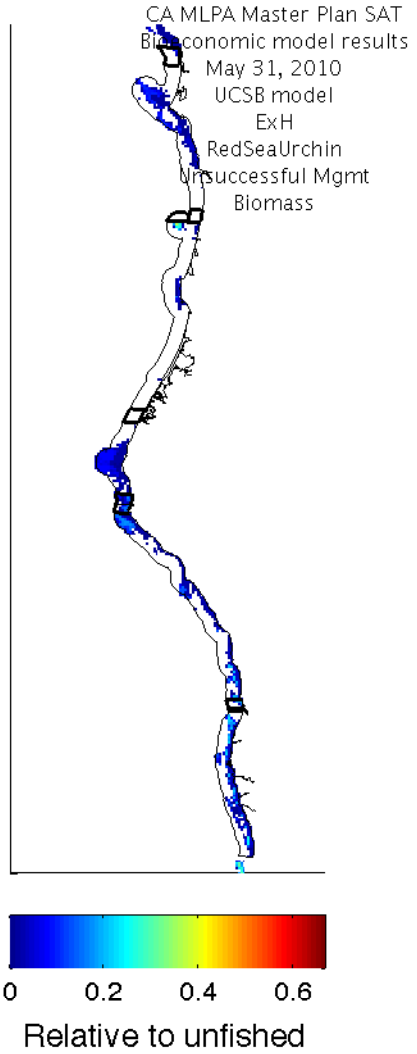

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
RedSeaUrchin
MSY-type
Larval Supply
2
2.2
2.4
2.6
% Change

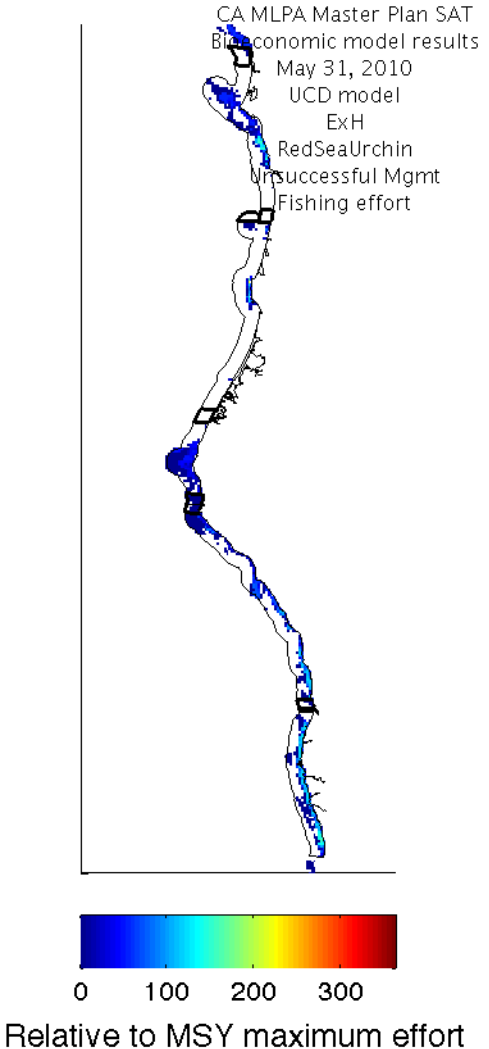

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
RedSeaUrchin
MSY-type
arval Production
0
100
200
300
% Change

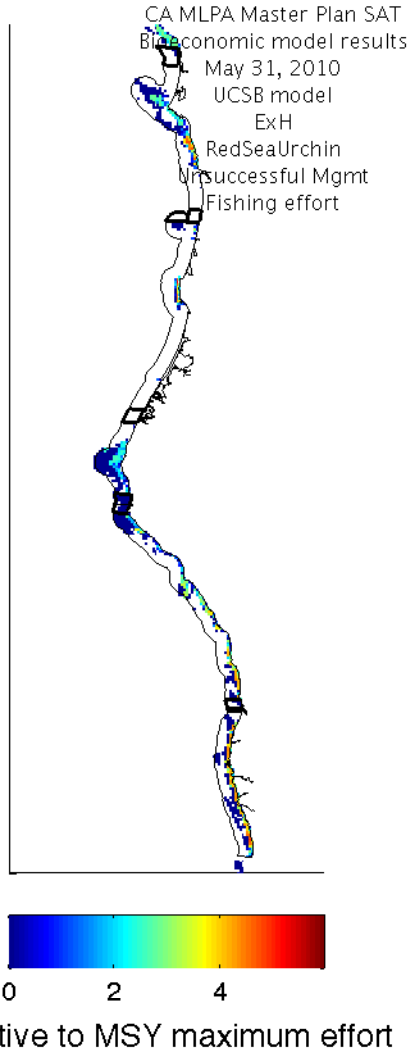

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
RedSeaUrchin
MSY-type
Fishing yield
0
5
10
Relative to MSY

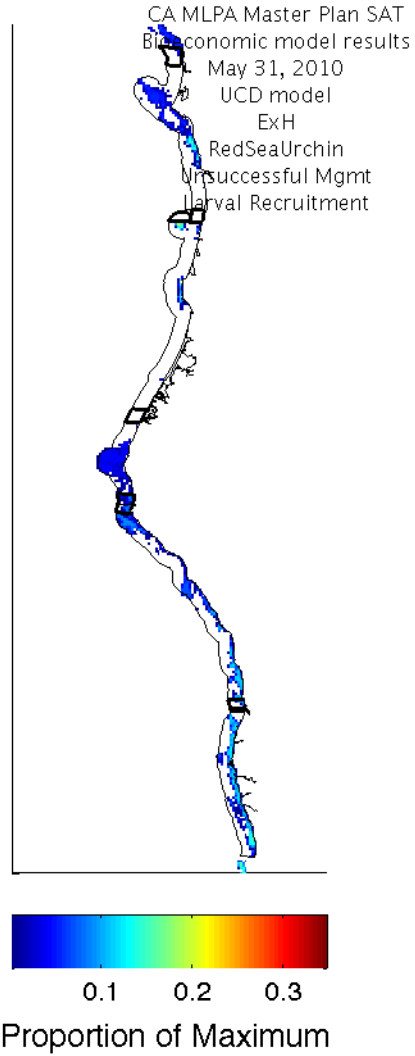

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
RedSeaUrchin
MSY-type
Fishing yield
0
0.4
0.8
Relative to MSY

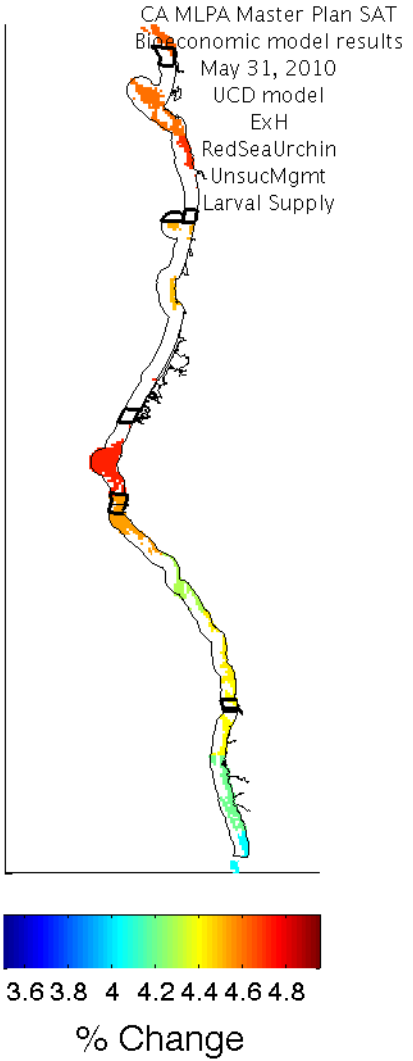

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
RedSeaUrchin
Unsuccessful Mgmt
Biomass
0
1
2
3
Relative to unfished

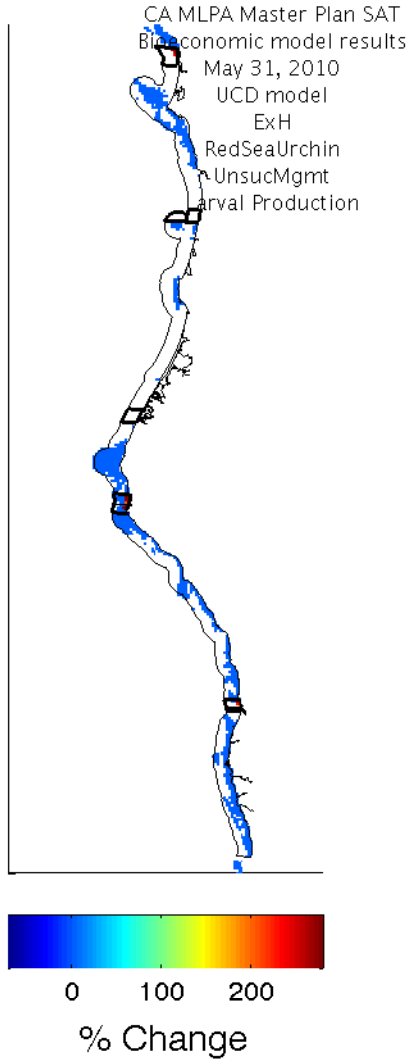

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
RedSeaUrchin
Unsuccessful Mgmt
Biomass
0
0.2
0.4
0.6
Relative to unfished

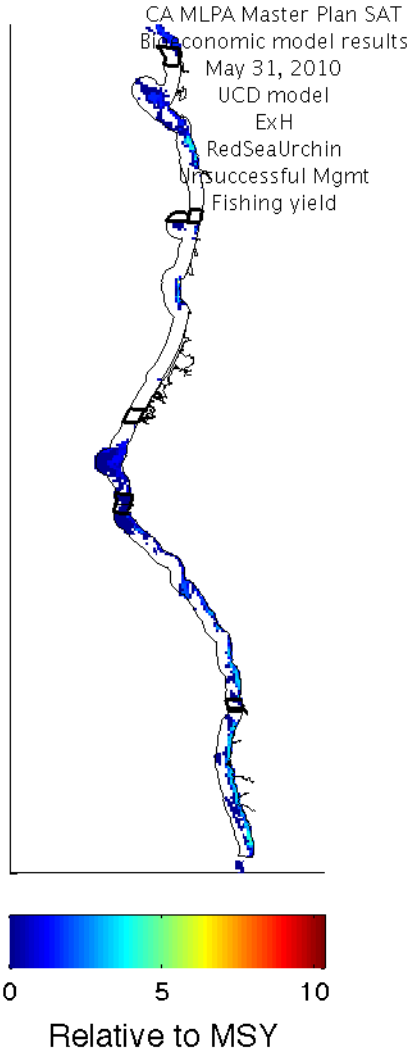

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
RedSeaUrchin
Unsuccessful Mgmt
Fishing effort
0
100
200
300
Relative to MSY maximum effort

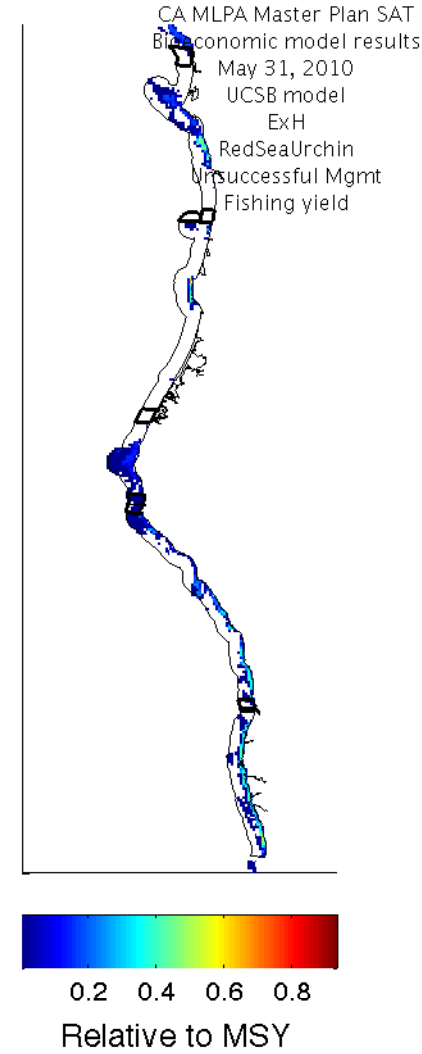

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
RedSeaUrchin
Unsuccessful Mgmt
Fishing effort
0
2
4
Relative to MSY maximum effort

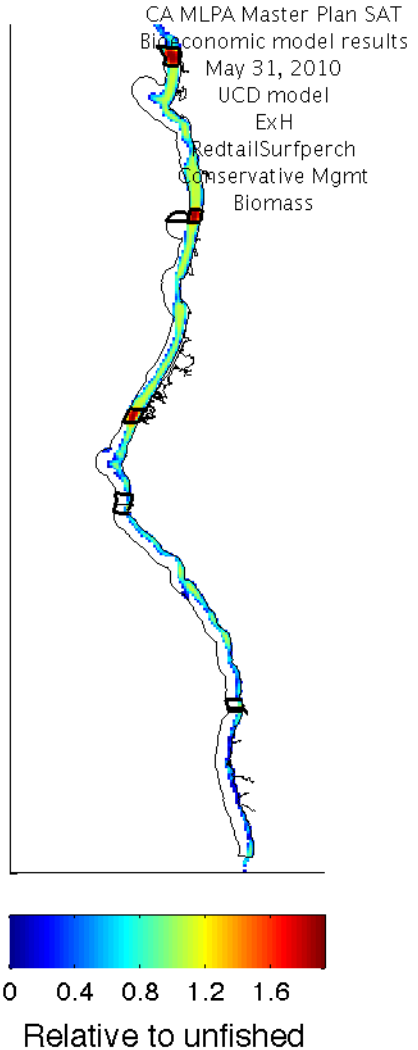

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
RedSeaUrchin
Unsuccessful Mgmt
larval Recruitment
0.1
0.2
0.3
Proportion of Maximum

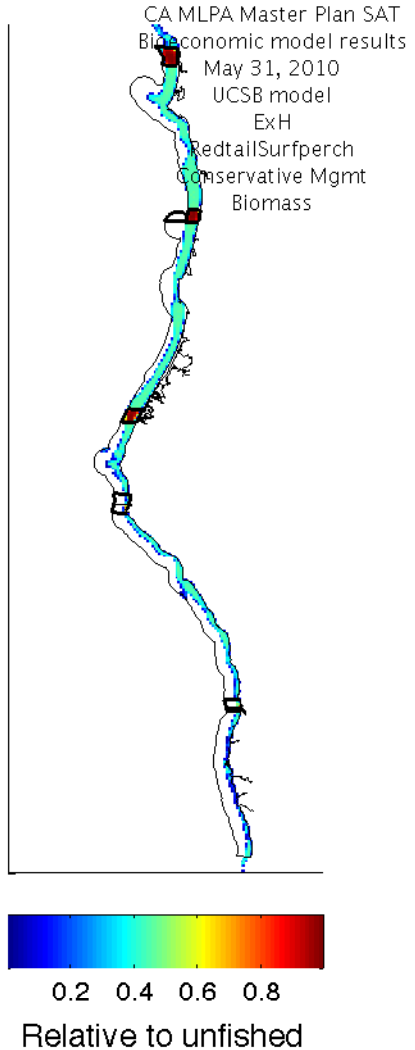

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
RedSeaUrchin
UnsucMgmt
Larval Supply
3.6 3.8 4 4.2 4.4 4.6 4.8
% Change

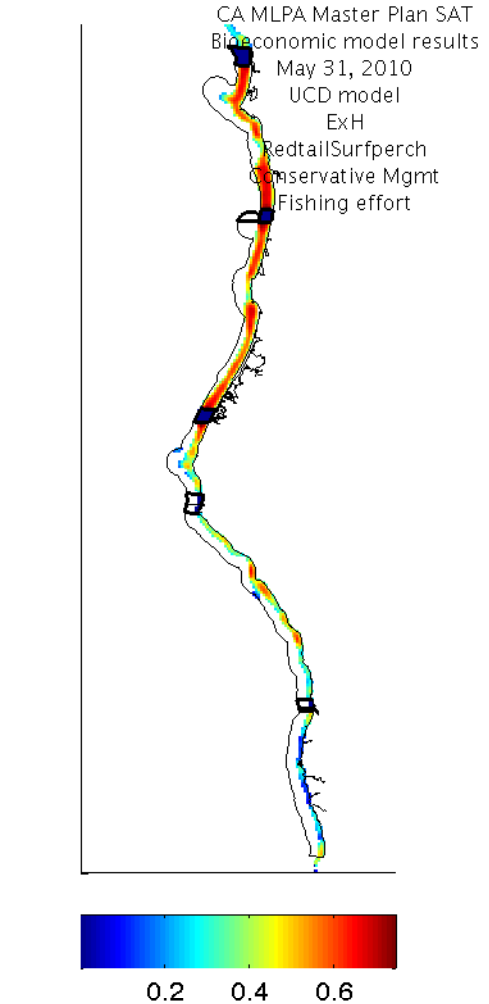

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
RedSeaUrchin
UnsucMgmt
arval Production
0 100 200
% Change

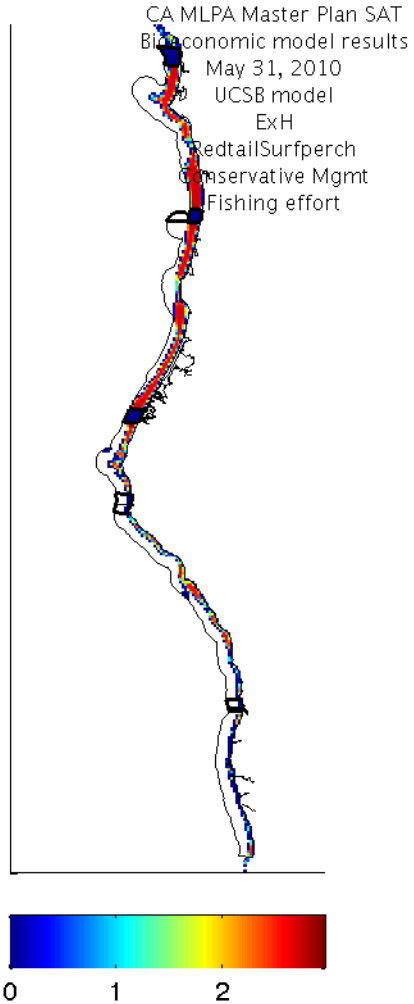

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
RedSeaUrchin
Unsuccessful Mgmt
Fishing yield
0
5
10
Relative to MSY

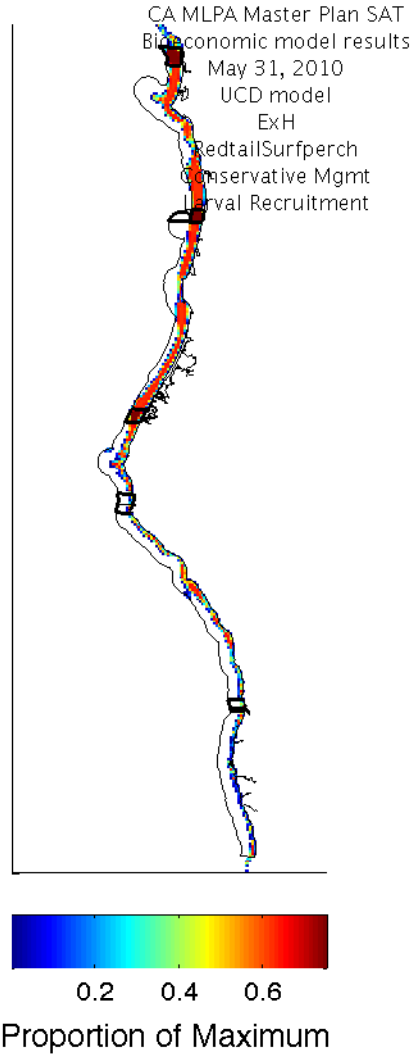

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
RedSeaUrchin
Unsuccessful Mgmt
Fishing yield
0.2
0.4
0.6
0.8
Relative to MSY

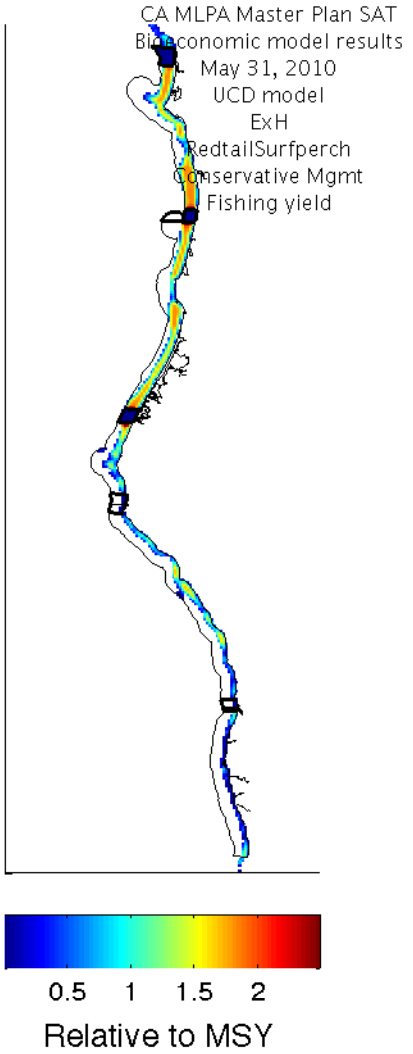

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
RedtailSurfperch
Conservative Mgmt
Biomass
0
0.4
0.8
1.2
1.6
Relative to unfished

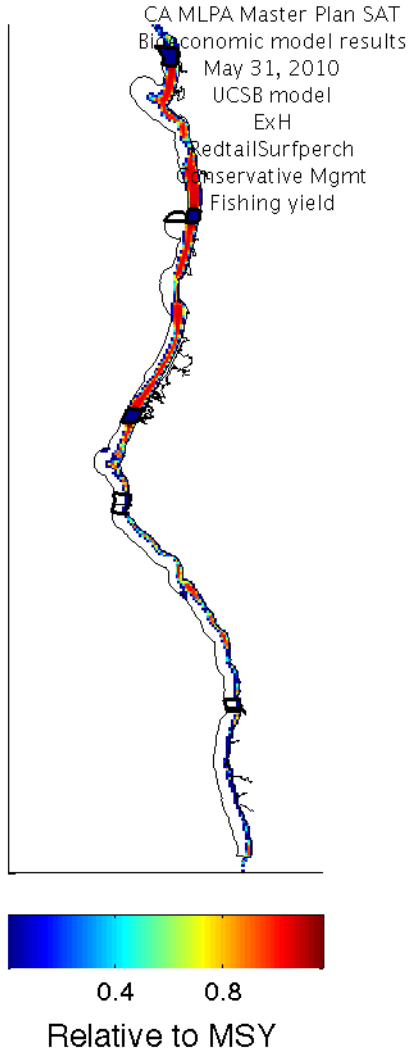

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
RedtailSurfperch
Conservative Mgmt
Biomass
0.2
0.4
0.6
0.8
Relative to unfished

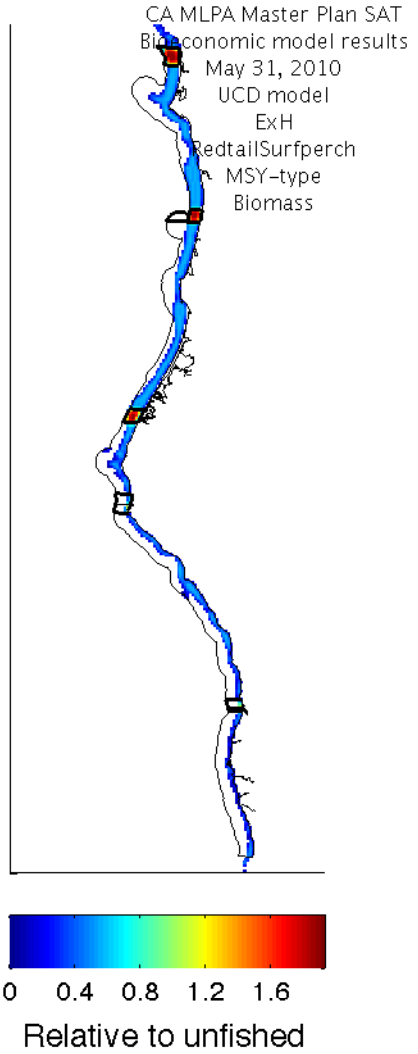

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
RedtailSurfperch
Conservative Mgmt
Fishing effort
0.2
0.4
0.6
Relative to MSY maximum effort

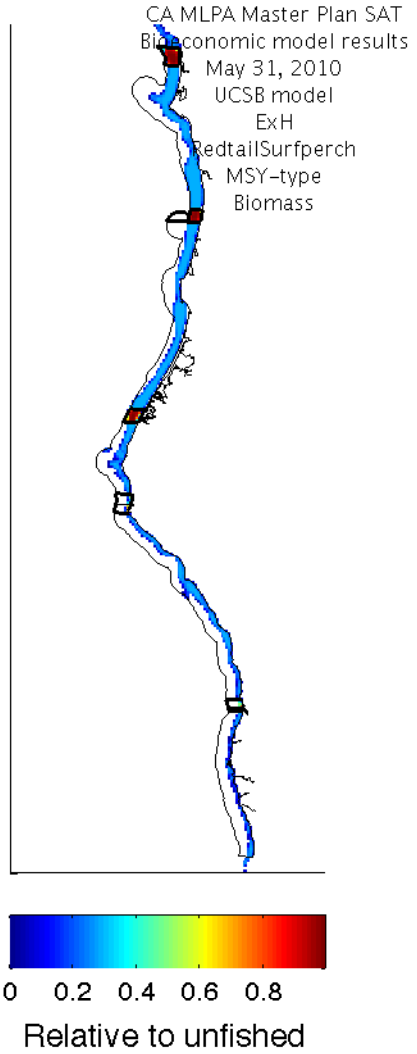

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
RedtailSurfperch
Conservative Mgmt
Fishing effort
0
1
2
Relative to MSY maximum effort

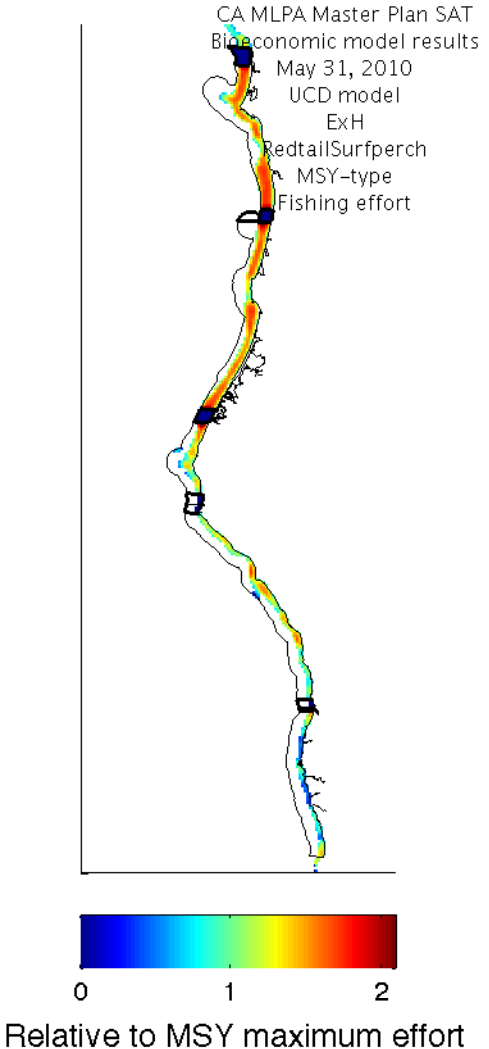

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
RedtailSurfperch
Conservative Mgmt
Larval Recruitment
0.2
0.4
0.6
Proportion of Maximum

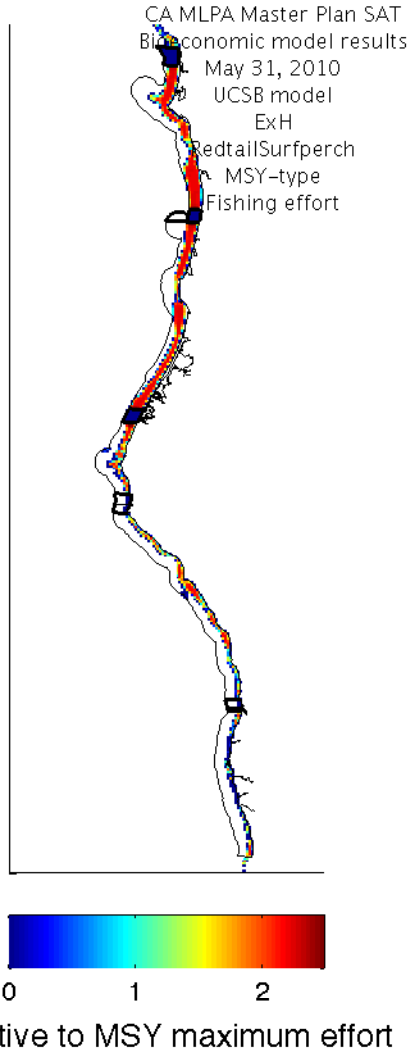

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
RedtailSurfperch
Conservative Mgmt
Fishing yield
0.5
1
1.5
2
Relative to MSY

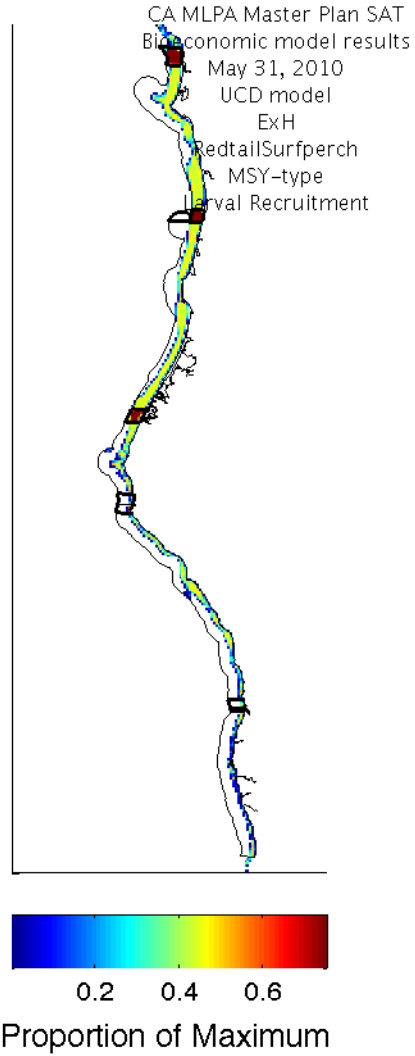

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
RedtailSurfperch
Conservative Mgmt
Fishing yield
0.4
0.8
Relative to MSY

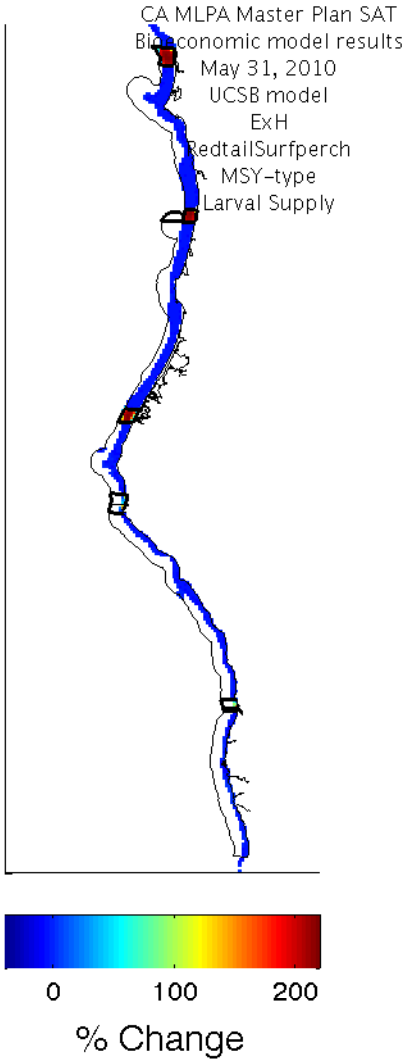

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
RedtailSurfperch
MSY-type
Biomass
0
0.4
0.8
1.2
1.6
Relative to unfished

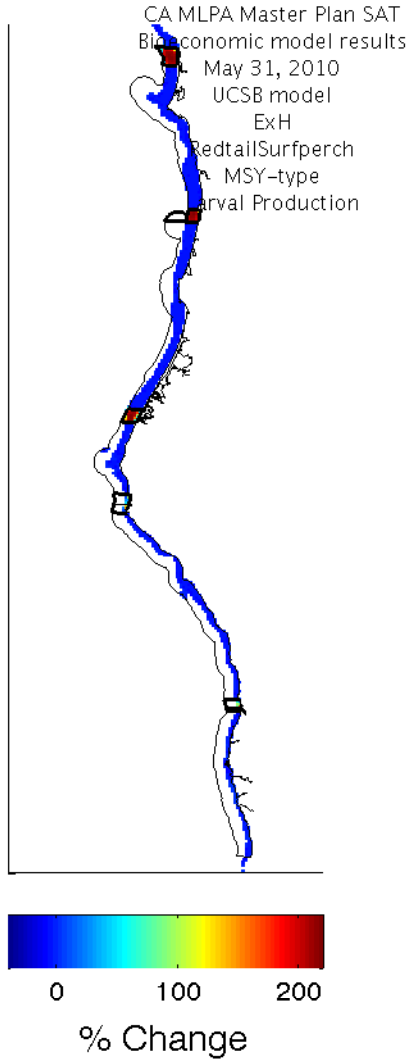

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
RedtailSurfperch
MSY-type
Biomass
0
0.2
0.4
0.6
0.8
Relative to unfished

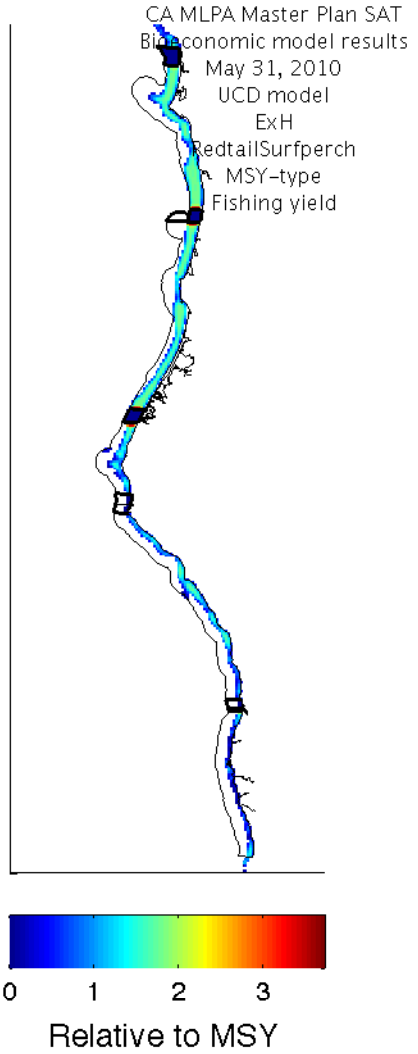

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
RedtailSurfperch
MSY-type
Fishing effort
0
1
2
Relative to MSY maximum effort

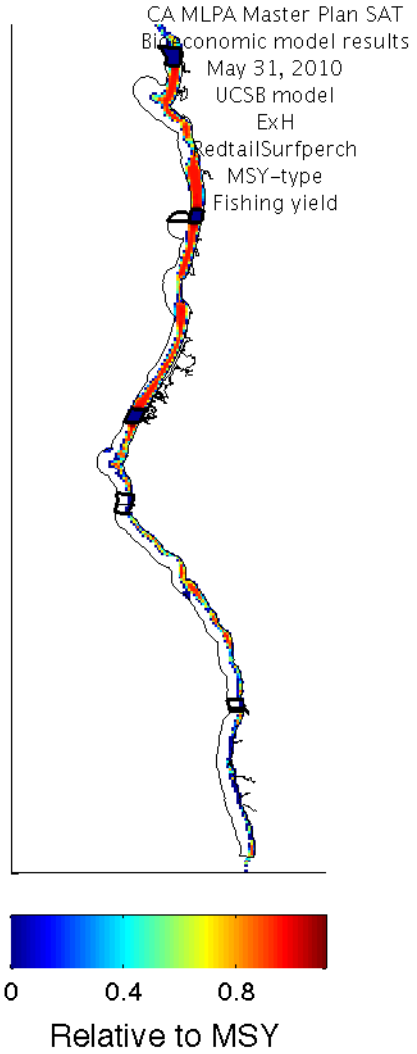

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
RedtailSurfperch
MSY-type
Fishing effort
0
1
2
Relative to MSY maximum effort

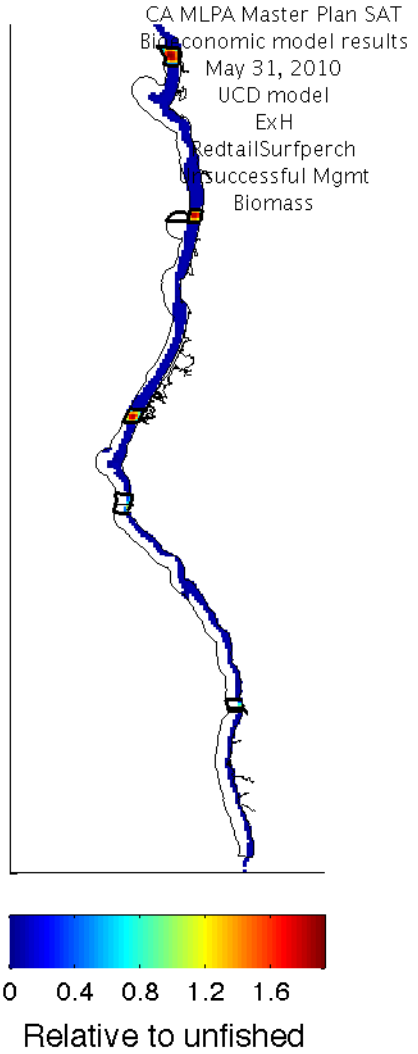

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
RedtailSurfperch
MSY-type
Larval Recruitment
0.2
0.4
0.6
Proportion of Maximum

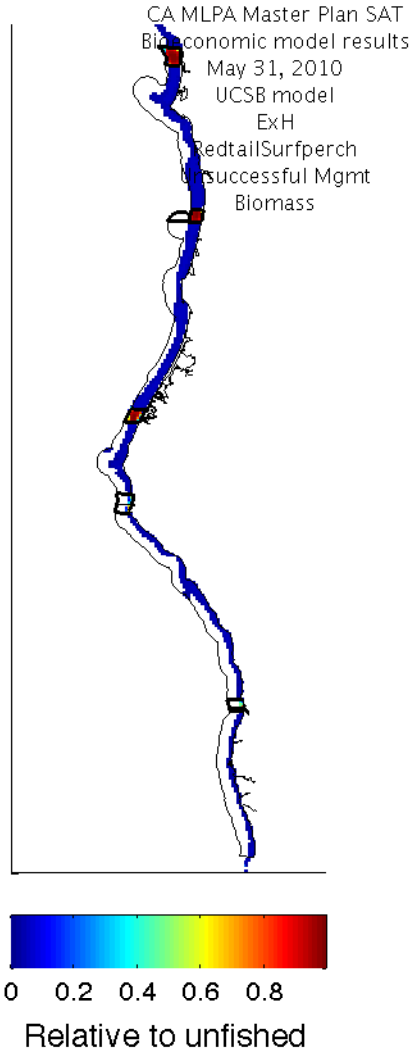

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
RedtailSurfperch
MSY-type
Larval Supply
0
100
200
% Change

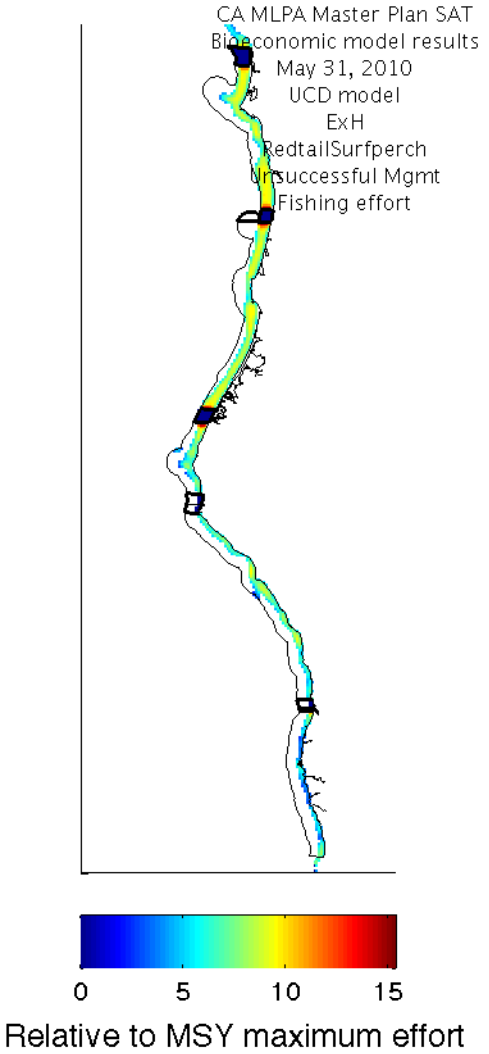

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
RedtailSurfperch
MSY-type
rval Production
0
100
200
% Change

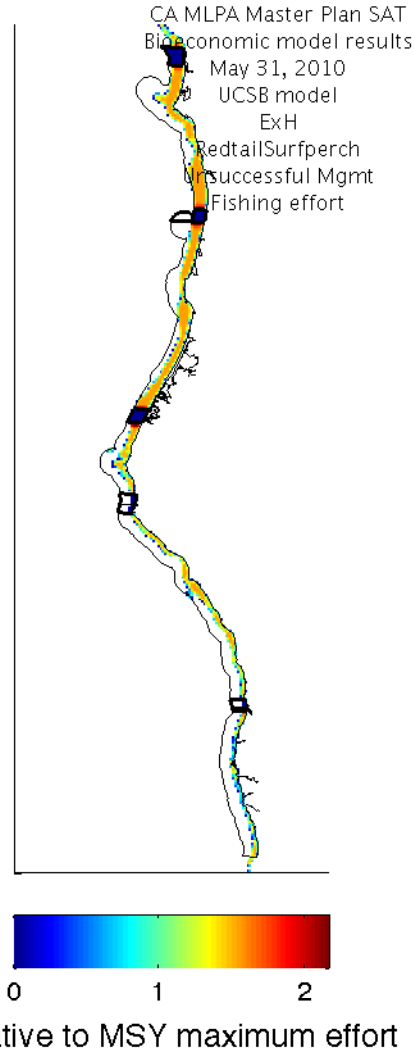

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
RedtailSurfperch
MSY-type
Fishing yield
0
1
2
3
Relative to MSY

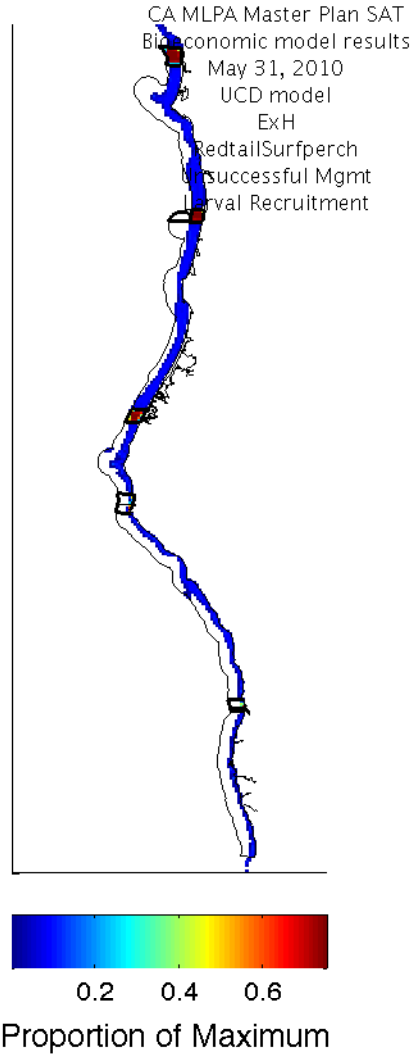

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
RedtailSurfperch
MSY-type
Fishing yield
0
0.4
0.8
Relative to MSY

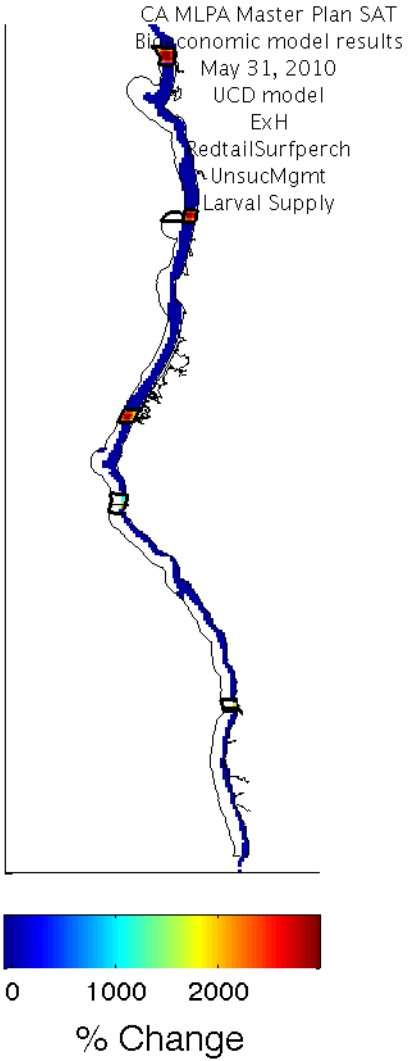

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
RedtailSurfperch
Unsuccessful Mgmt
Biomass
0
0.4
0.8
1.2
1.6
Relative to unfished

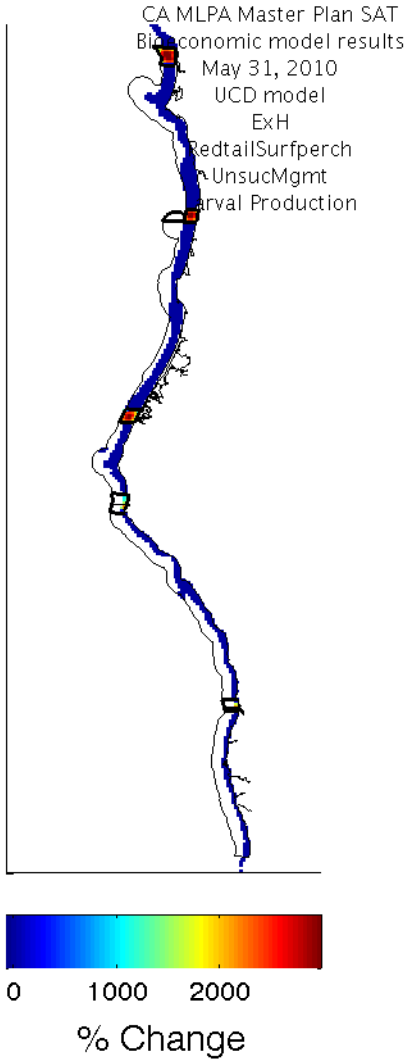

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
RedtailSurfperch
Unsuccessful Mgmt
Biomass
0
0.2
0.4
0.6
0.8
Relative to unfished

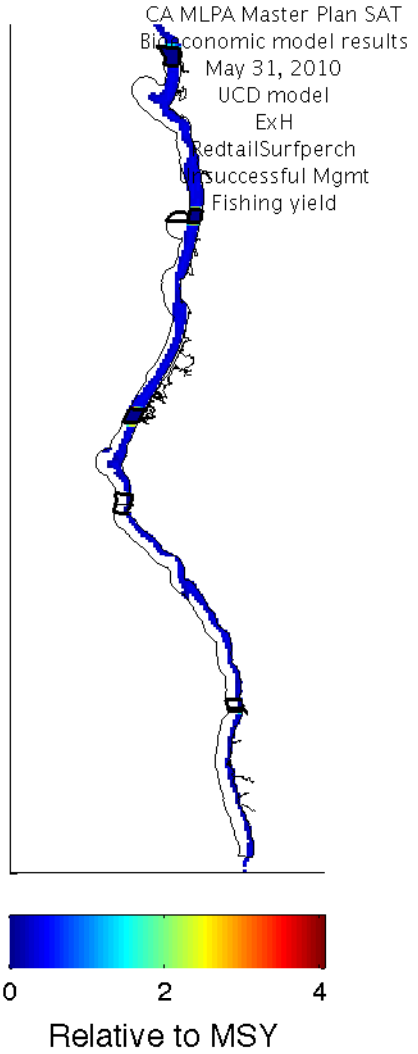

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
RedtailSurfperch
Unsuccessful Mgmt
Fishing effort
0
5
10
15
Relative to MSY maximum effort

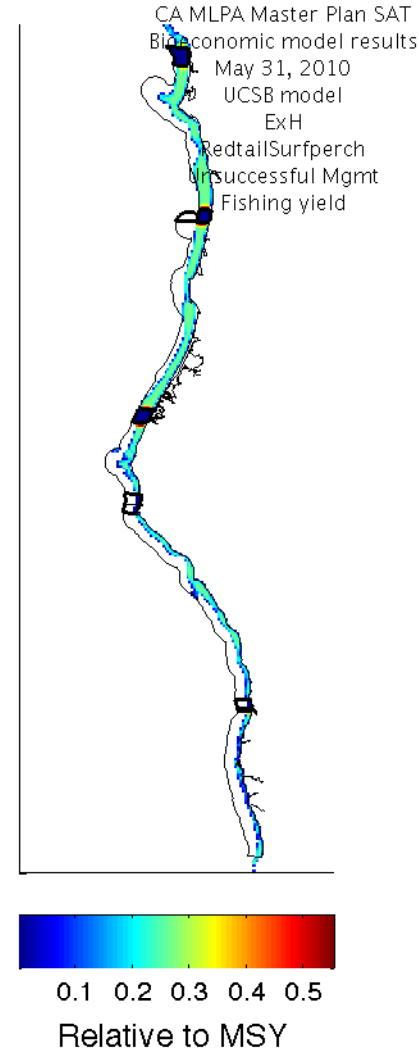

CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
RedtailSurfperch
Unsuccessful Mgmt
Fishing effort
0
1
2
Relative to MSY maximum effort


CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
RedtailSurfperch
Unsuccessful Mgmt
Larval Recruitment
0.2
0.4
0.6
Proportion of Maximum


CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
RedtailSurfperch
UnsucMgmt
Larval Supply
0
1000
2000
% Change


CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
RedtailSurfperch
UnsucMgmt
Larval Production
0
1000
2000
% Change


CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCD model
ExH
RedtailSurfperch
Unsuccessful Mgmt
Fishing yield
0
2
4
Relative to MSY


CA MLPA Master Plan SAT
Bioeconomic model results
May 31, 2010
UCSB model
ExH
RedtailSurfperch
Unsuccessful Mgmt
Fishing yield
0.1
0.2
0.3
0.4
0.5
Relative to MSY