Review and Discuss Management Strategy Evaluation Results

Meeting #5 November 21, 2019

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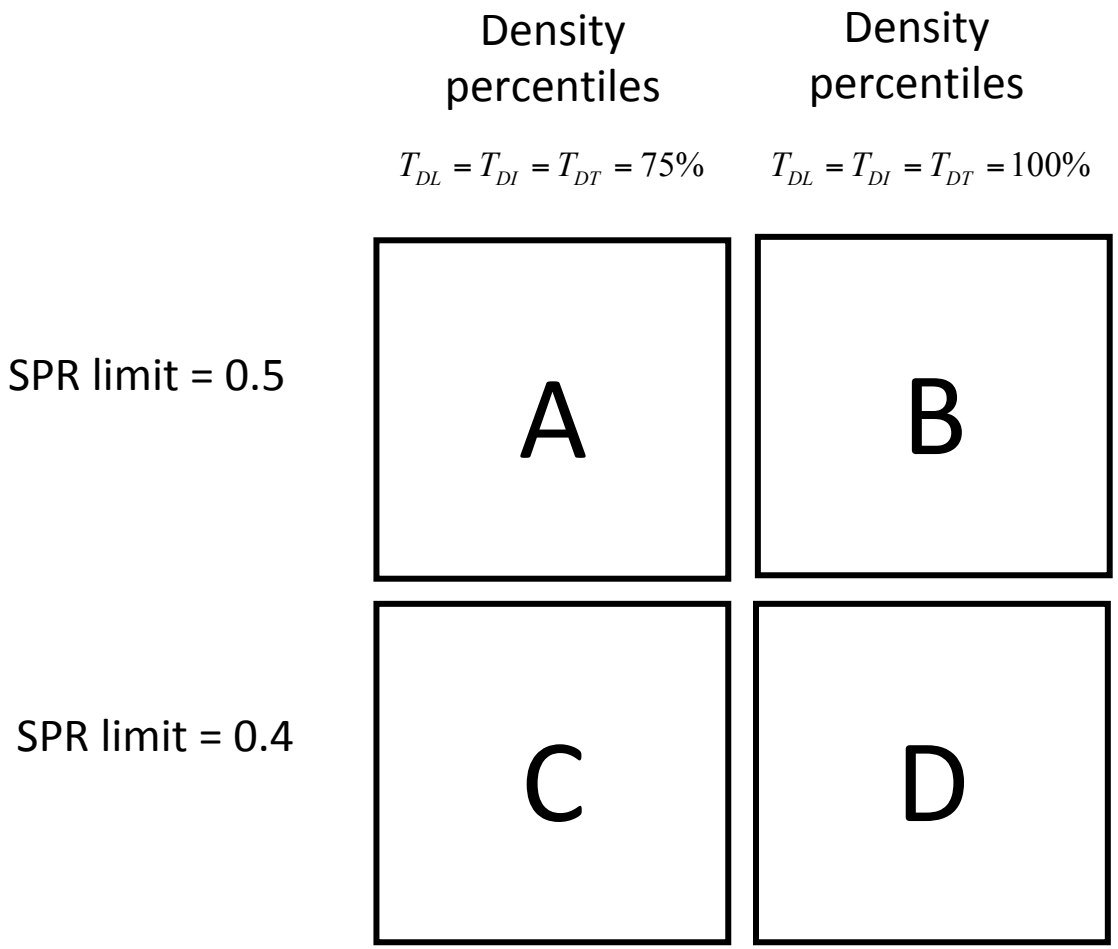
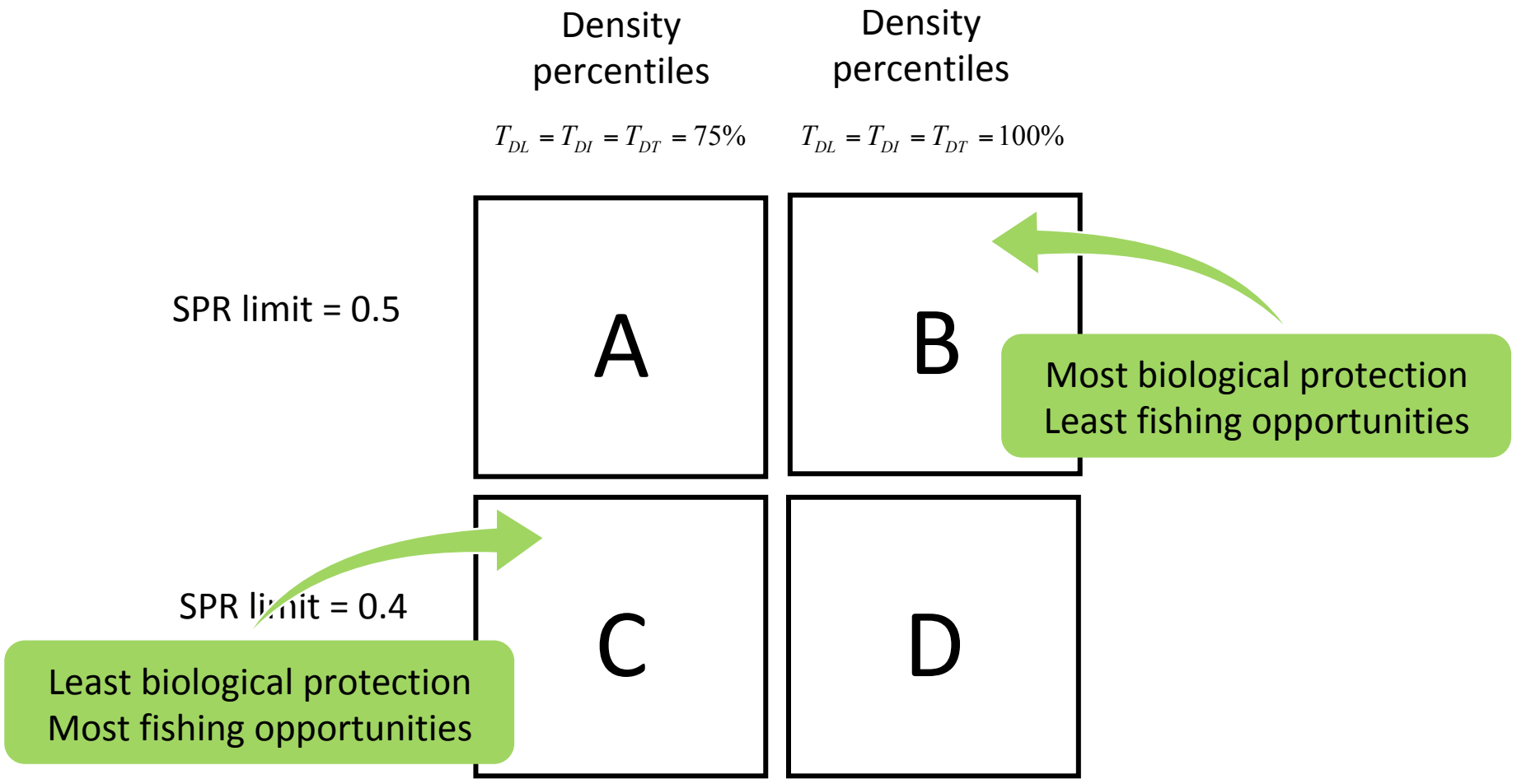
My goals for this talk:

- Describe some 2-zone rebuilding strategy options
- Provide an understanding of the trade-offs between these options
- We'll discuss three trade-offs

What are the options?



What are the options?



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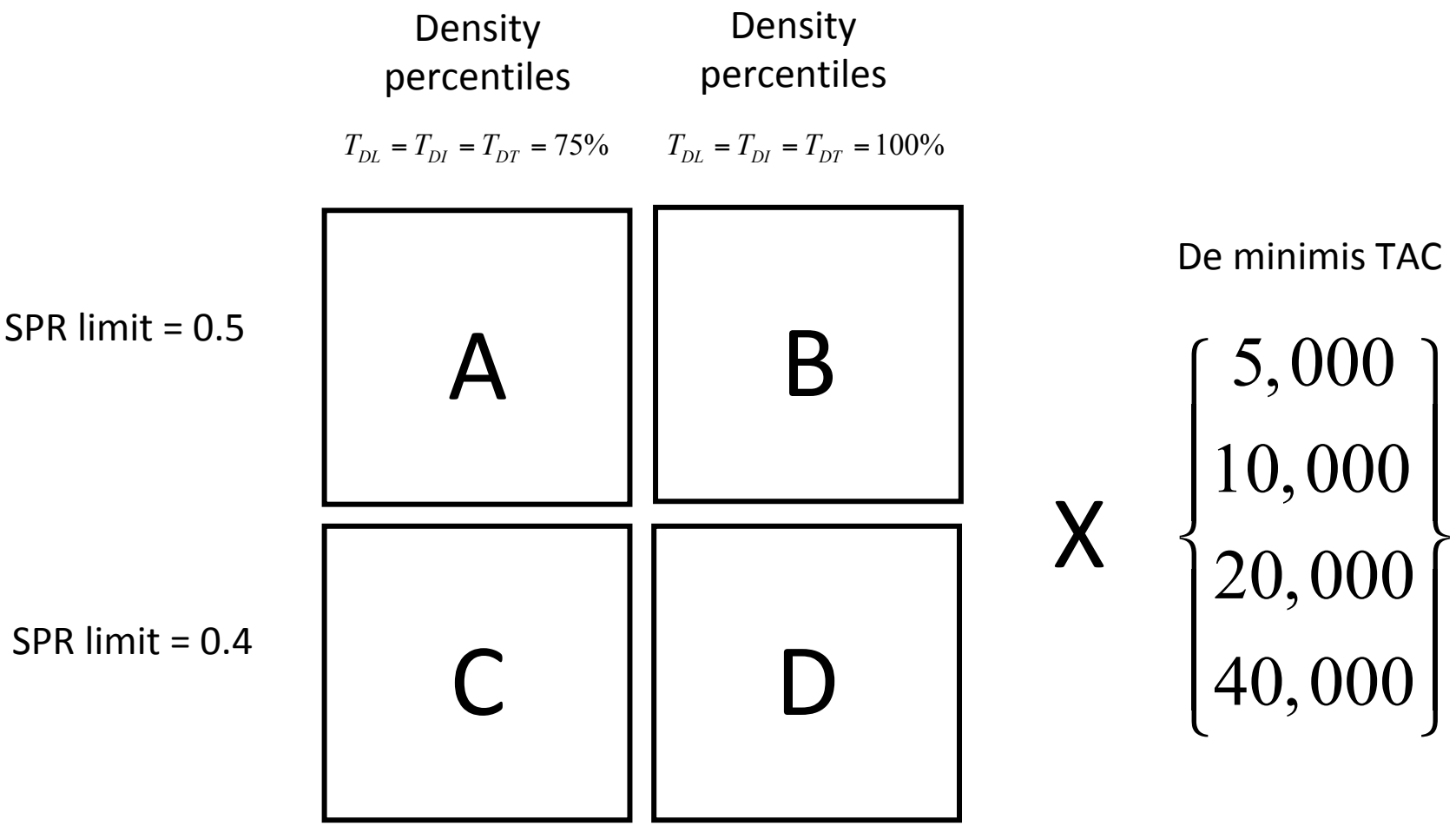
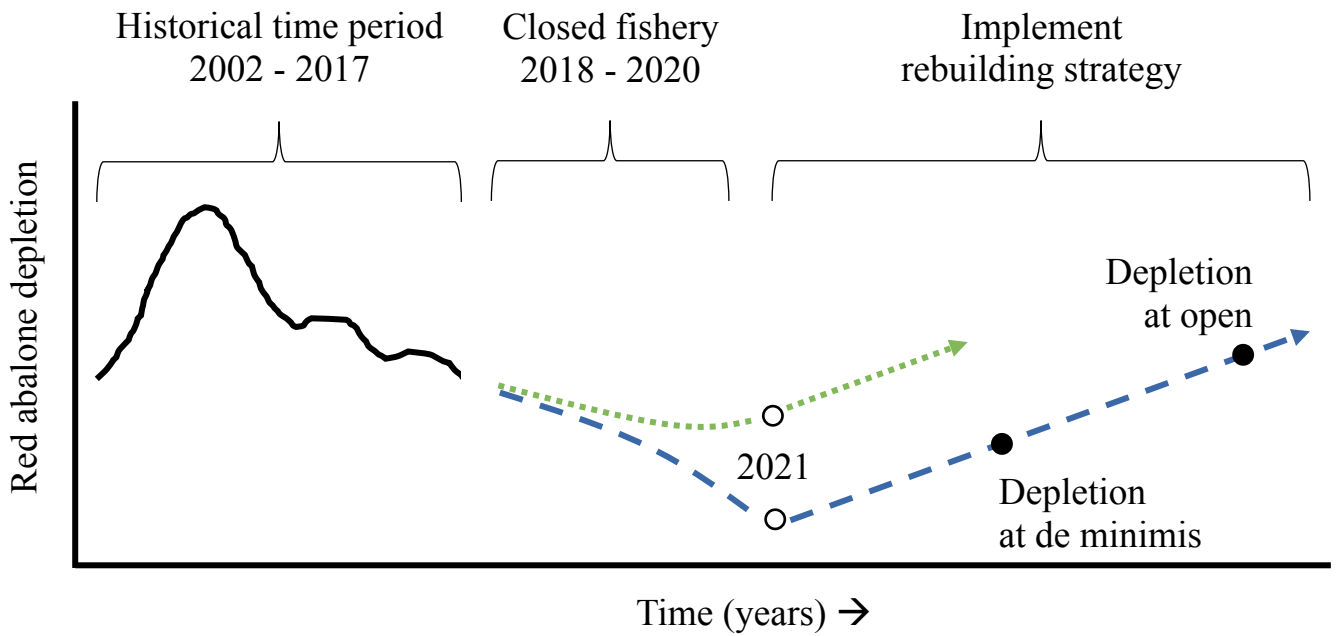


What is MSE again?



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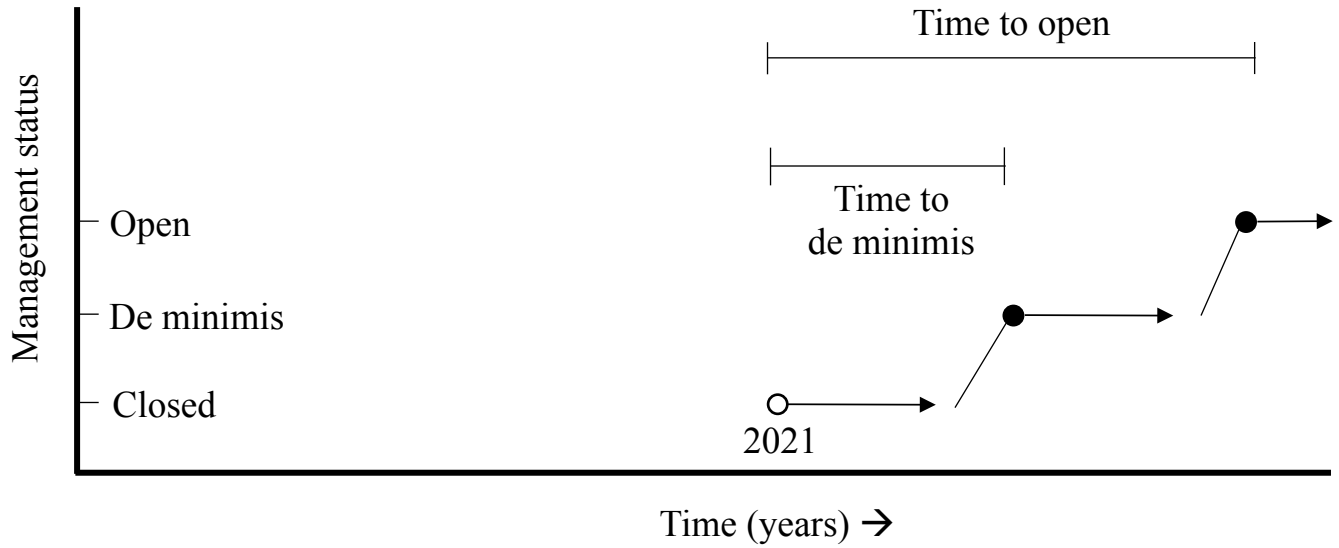
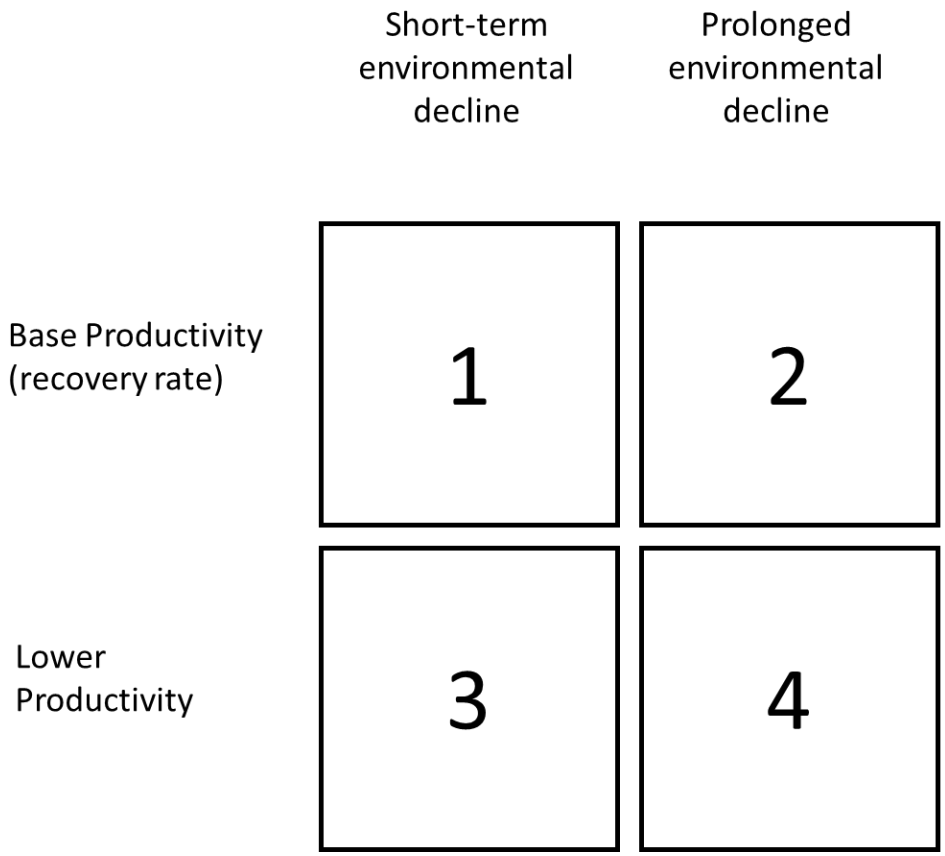


Before we begin…



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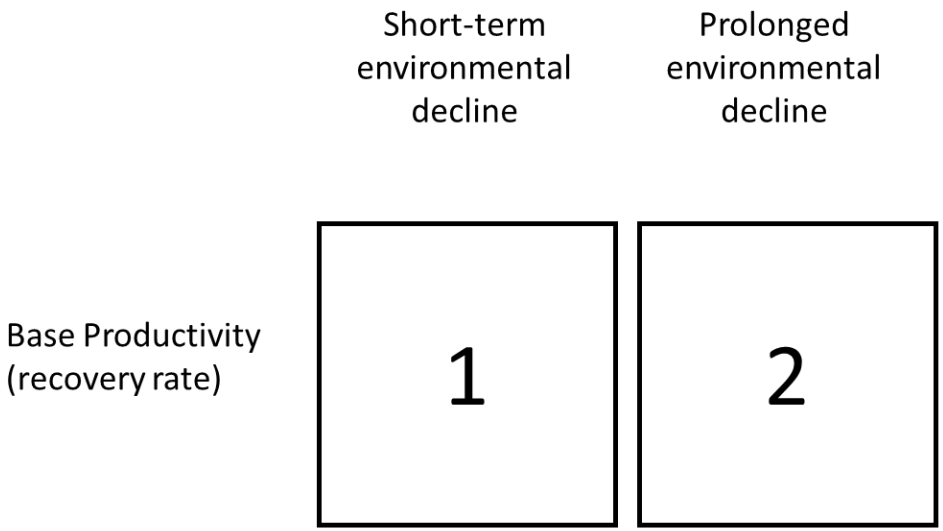

Trade-off #1:

De minimis fishery sooner

vs.

Affording more protection to abalone?

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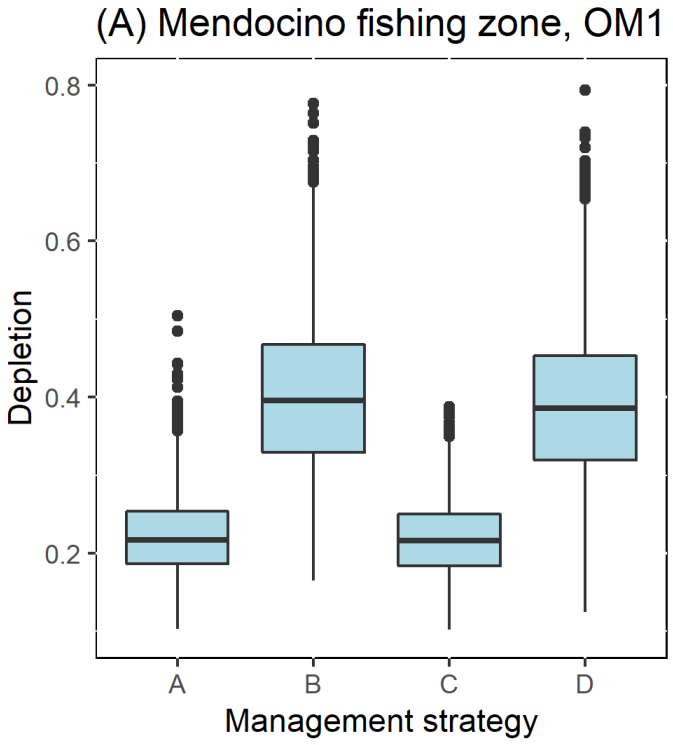
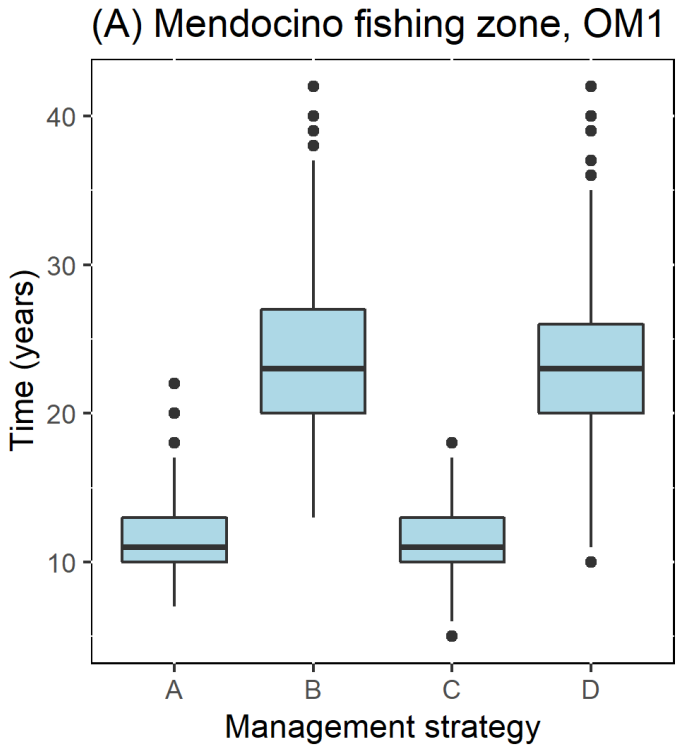
afford more protection to abalone?





Trade-off #2:

Recovery time to open fishery
vs.
Catches via de minimis TAC

(How do we choose a de minimis TAC?)

From OPC red abalone project website:

Definition of de minimis fishery:

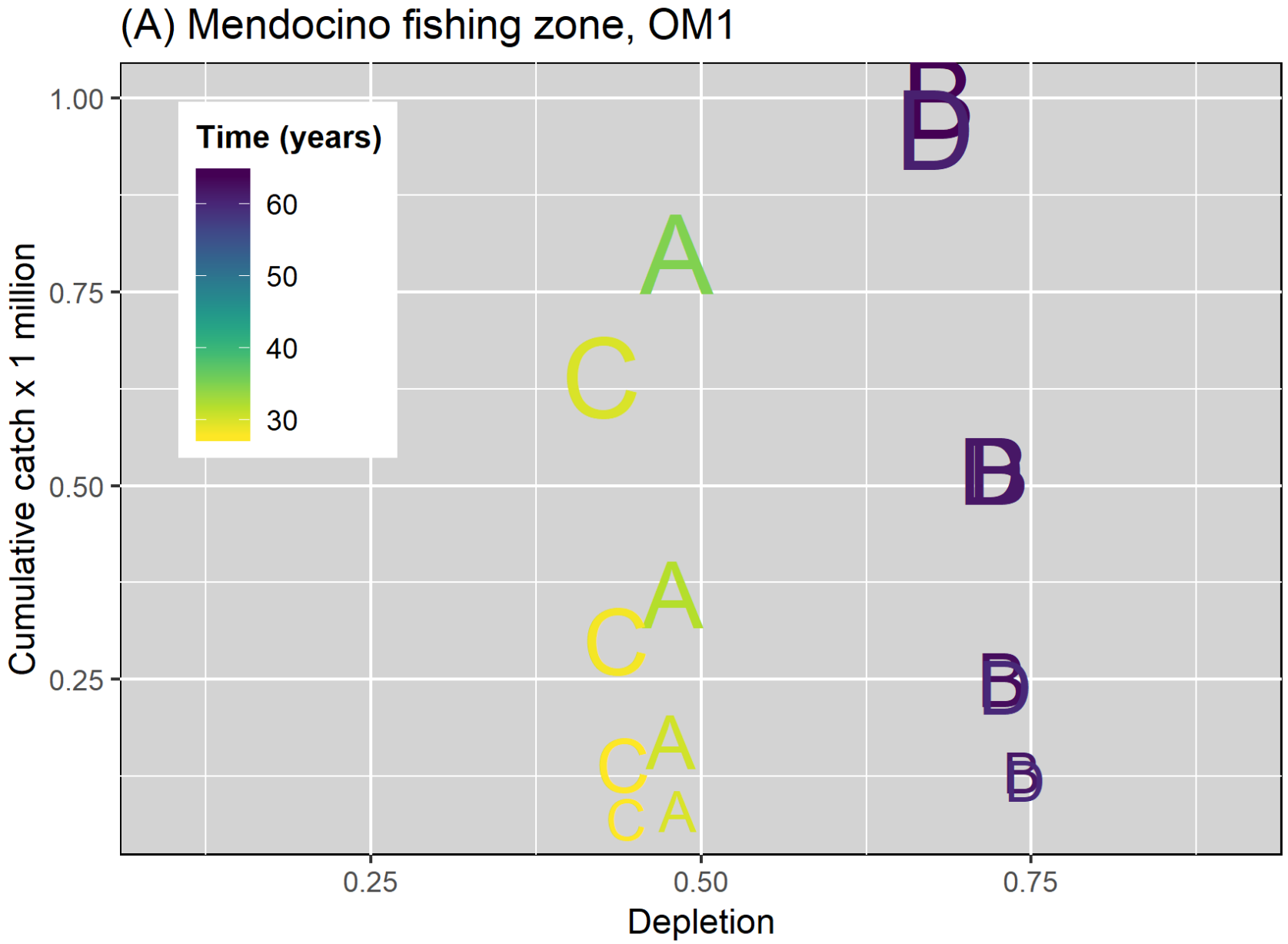
A fishery with a level of catch that is anticipated to have little to no effect on the health or recovery of a fishery resource

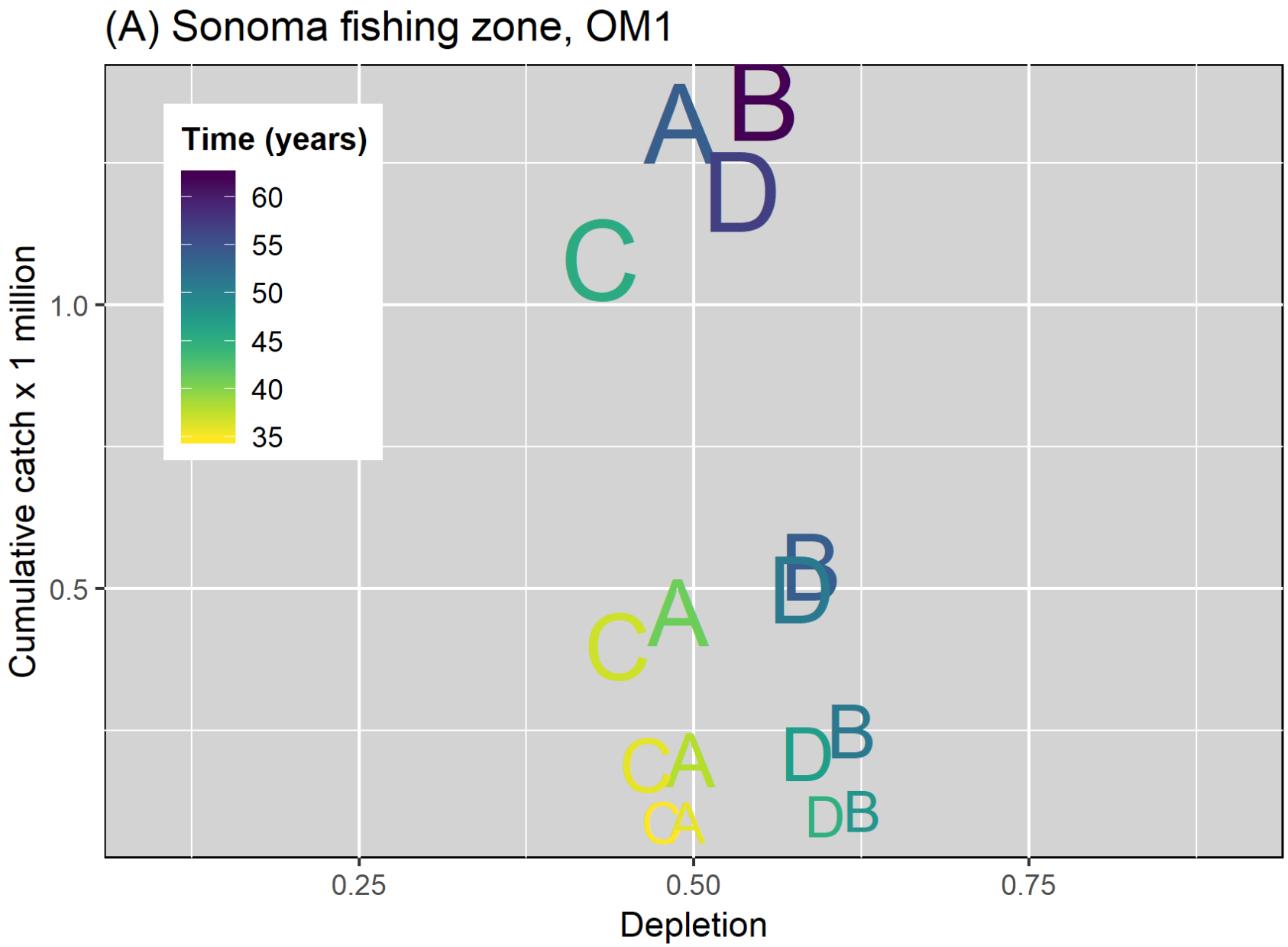
Go to handout

Trade-off #3:

Putting it all together:

De minimis TAC
Vs.
Recovery time to open
Vs.
Sufficient protection of the resource


(A) Mendocino fishing zone, OM1
Time (years)
60
50
40
30
Cumulative catch x 1 million
1.00
0.75
0.50
0.25
0.25
0.50
0.75
Depletion


(A) Sonoma fishing zone, OM1
Time (years)
60
55
50
45
40
35
Cumulative catch x 1 million
1.0
0.5
0.25
0.50
0.75
Depletion