

Harvest strategy norms: Australia and MSC

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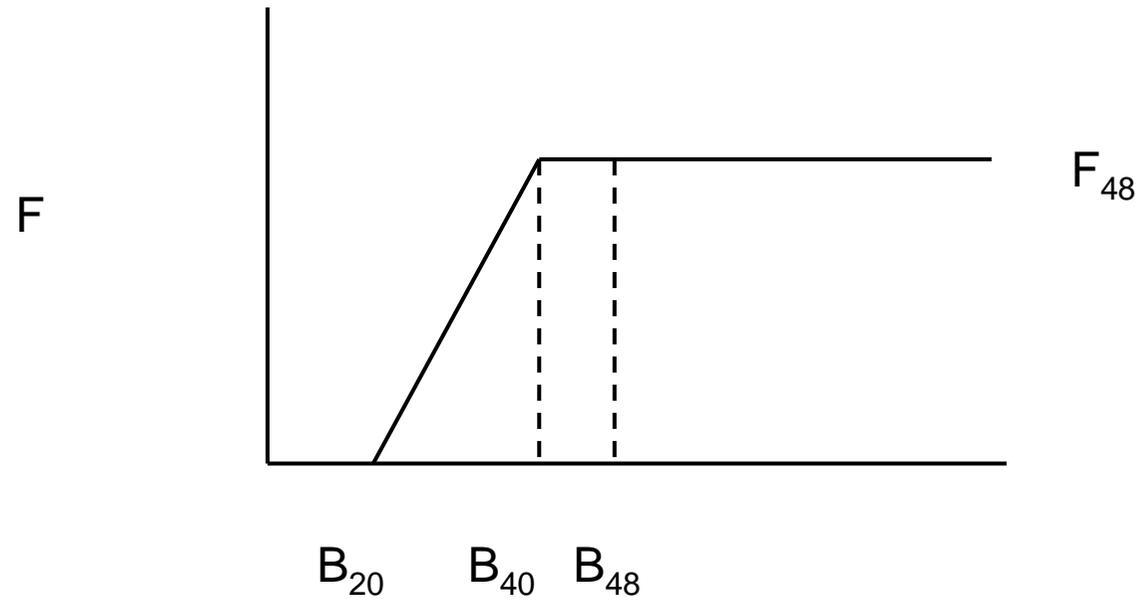
MARAM IWS

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Australian harvest strategy policy

- Target – MEY (maximum economic yield)
- Limit – half B_{MSY} (MSYL)
- Risk – 90% probability of staying above limit
- Default values
 - $B_{MSY} = 0.4K$
 - $B_{LIM} = 0.2K$
 - $B_{MEY} = 1.2 * B_{MSY} = 0.48K$

Example control rule



Marine Stewardship Council

- New Fishery Assessment Method (FAM)
- Principle 1 – target stocks
 - Stock status
 - Reference points
 - Harvest strategy
- Stock target – B_{MSY} (or higher)
- Stock limit – half B_{MSY} (or higher)
- Fail assessment if $B < B_{LIM}$

MSC continued

- Default for $B_{MSY} = 0.4K$
- Default for $B_{LIM} = 0.2K$
- Where B_{MSY} analytically determined
 - If $B_{MSY} < 0.27K$, $B_{LIM} = 0.75B_{MSY}$
- “Highly likely” that stock is above B_{LIM} (80%)
- Additional consideration for “ecological role” of target stock

MSC continued

- Harvest strategy should maintain stocks at or above B_{MSY} and recover depleted stocks
- “Depleted” stocks (above B_{LIM} but below B_{MSY}) should recover within “specified” time frame