



Assessment of Sailfish in the eastern Pacific Ocean in 2013

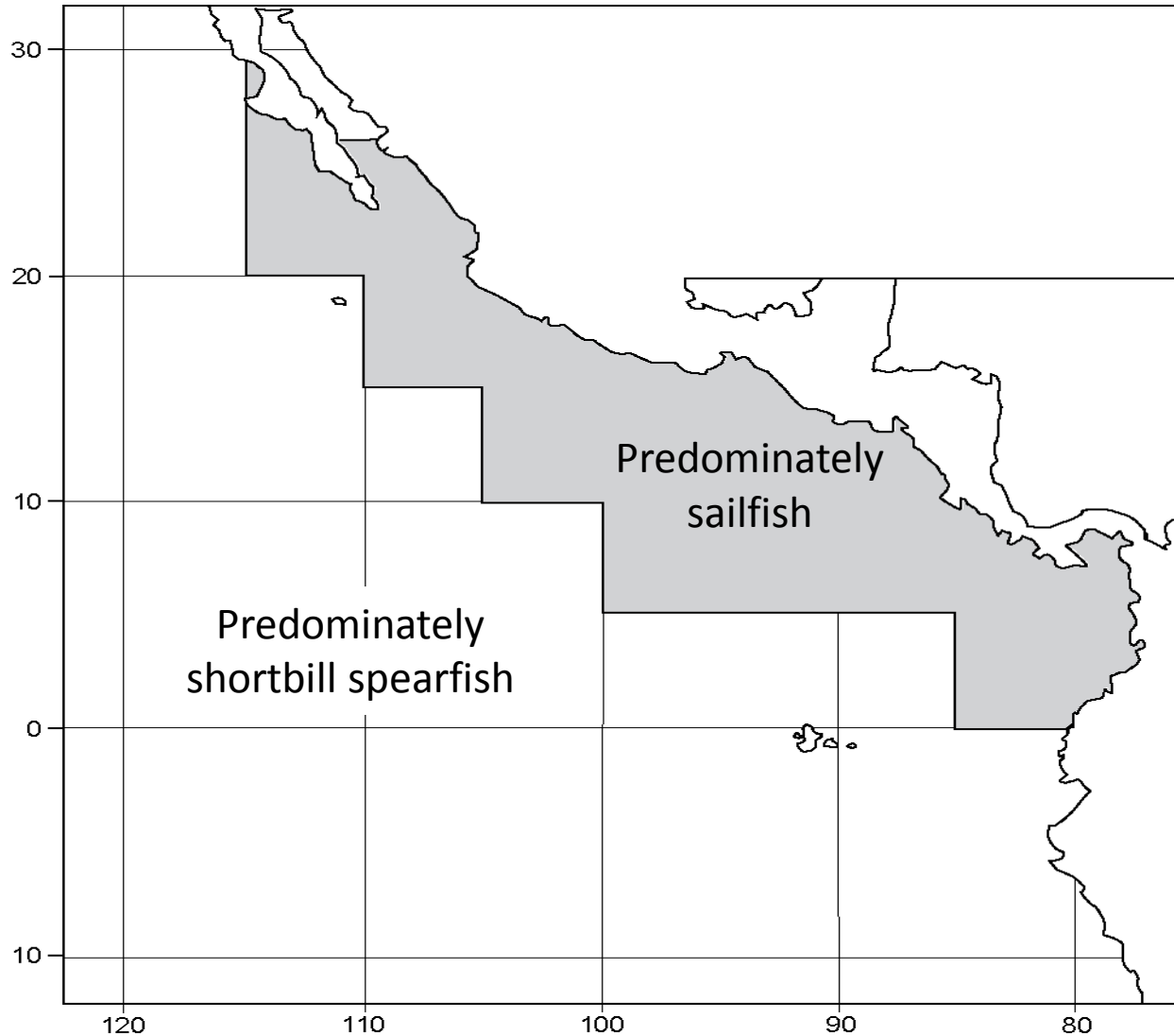
Document SAC-04-07c

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Key Results

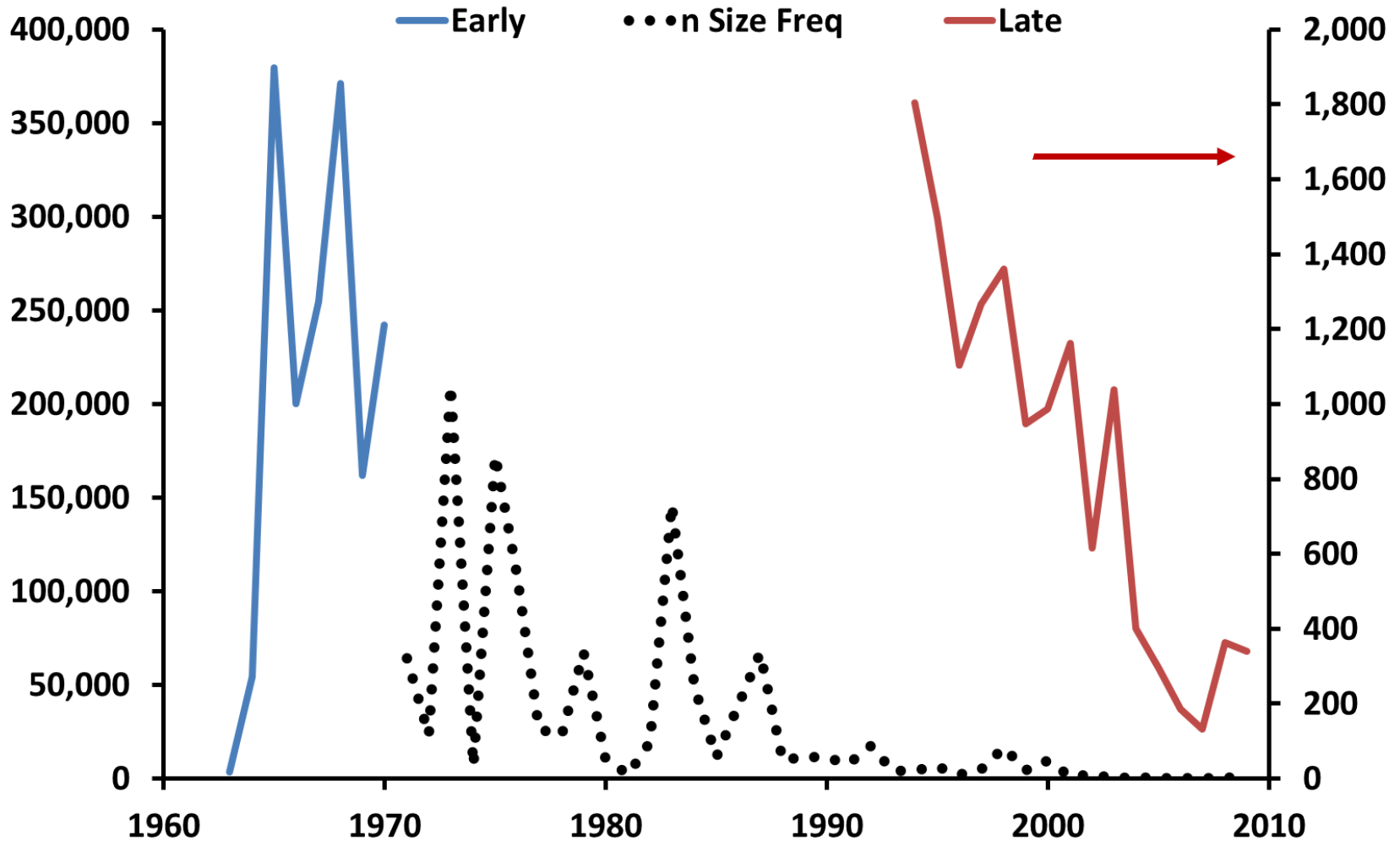
- Unreliable wrt Productivity, B_{MSY} ,
- Status wrt MSY [???
- Abundance: ↓ 1994-2009, perhaps → since
- Catch
 - Recent: 500 t
 - 1993-2007: 2,100 t
 - pre-1993, > 1993-2007
- Significant levels of unreported catch
- If Exploitation stable → → Stable stock status

Area structure SS3

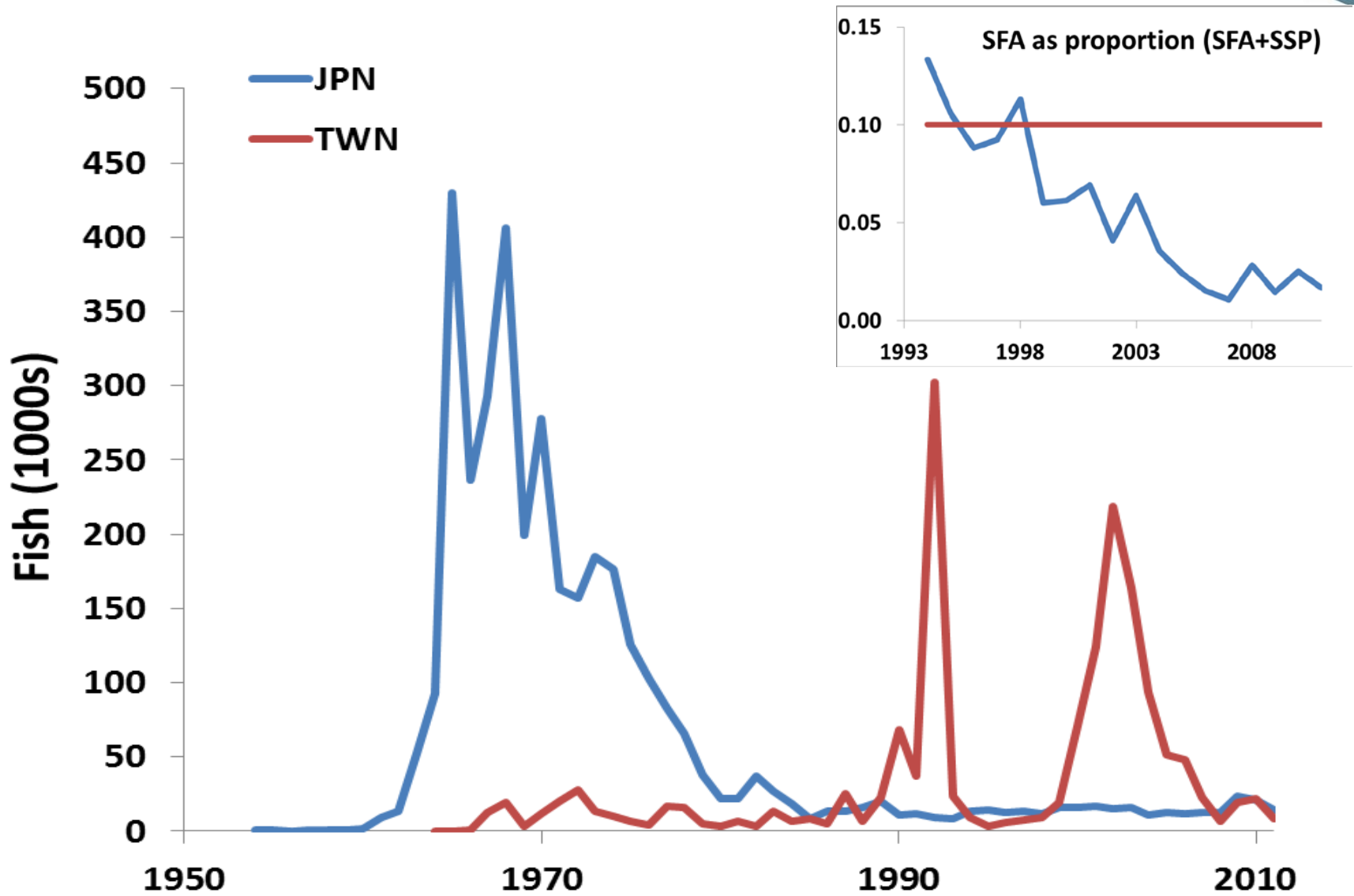


Source: Kume 1973

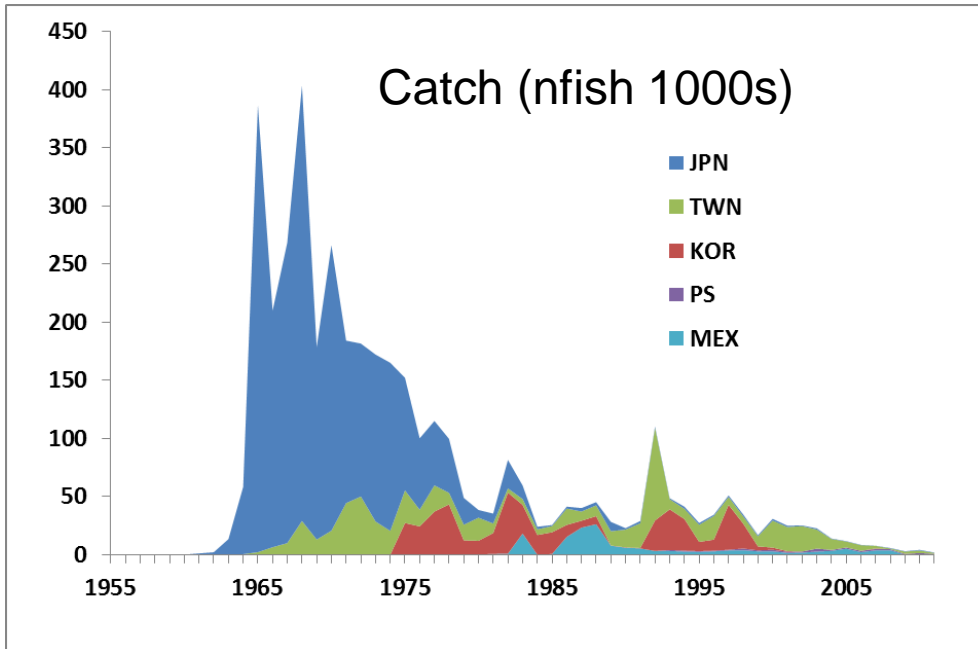
SFA (nFish) for JPN LL



SFA + SSP



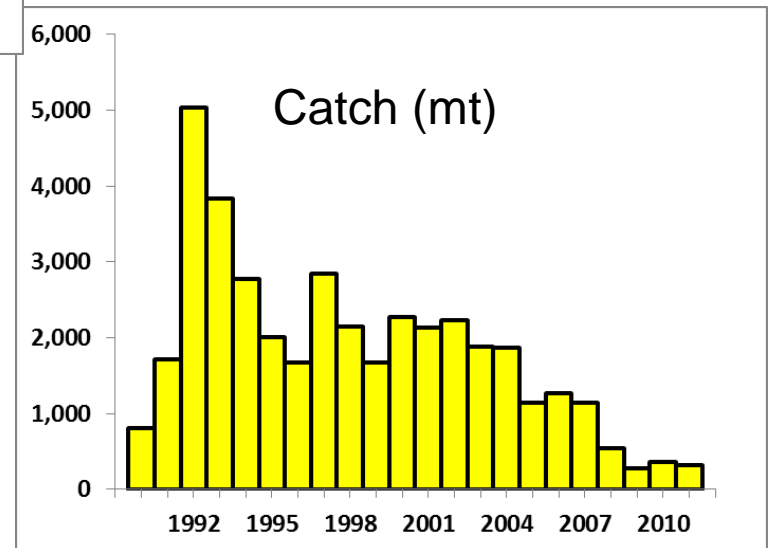
SFA Catch



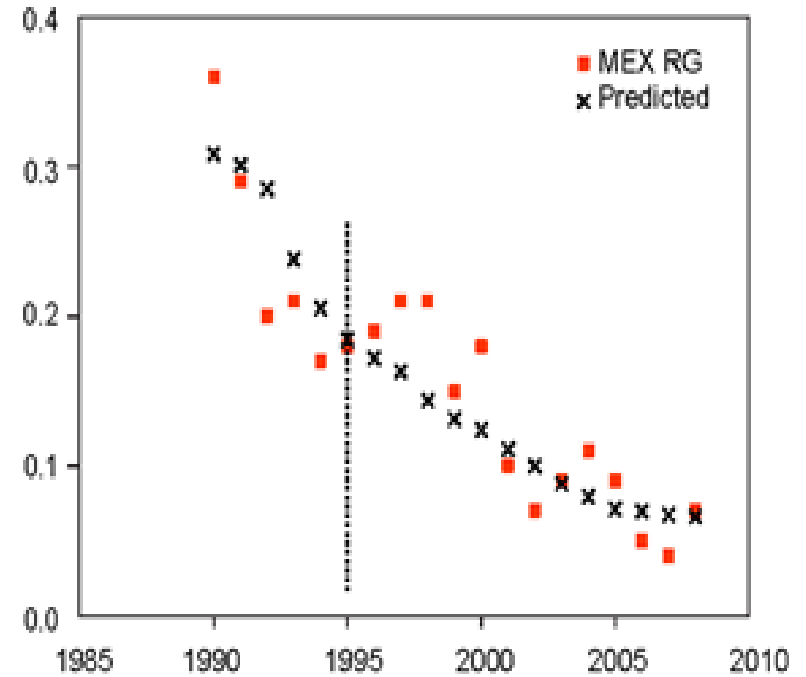
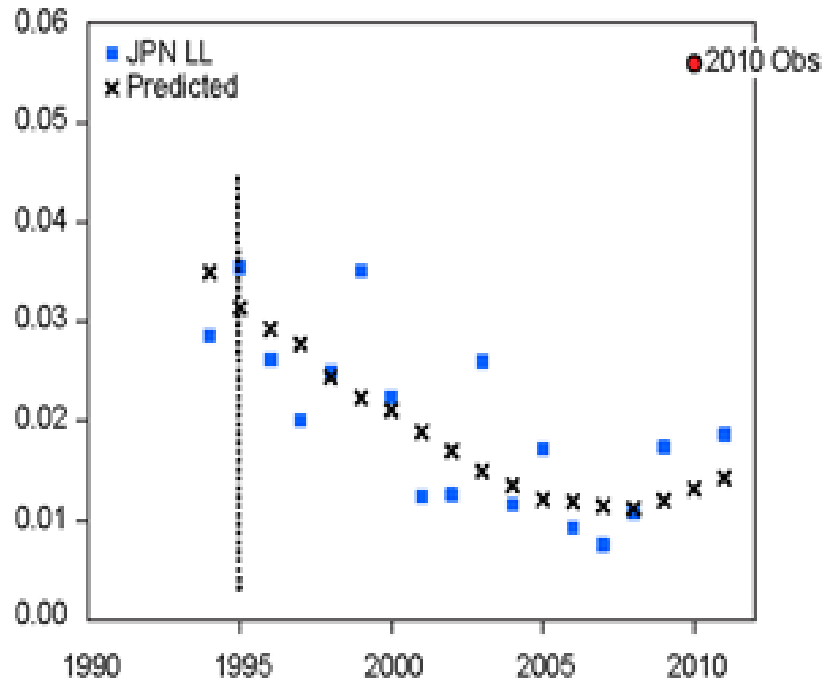
Input to SS3 model

From SS3 – used as
Input to Production Model

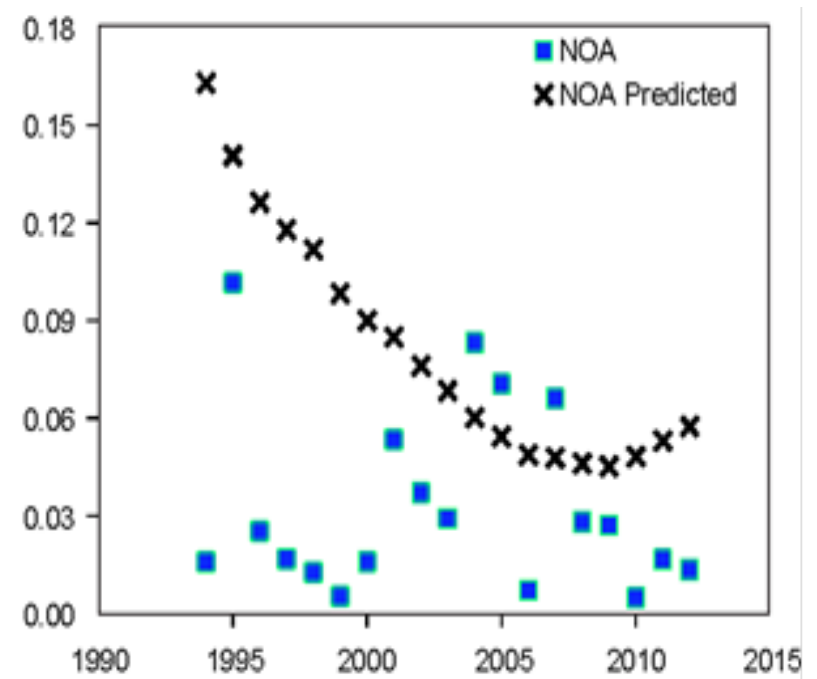
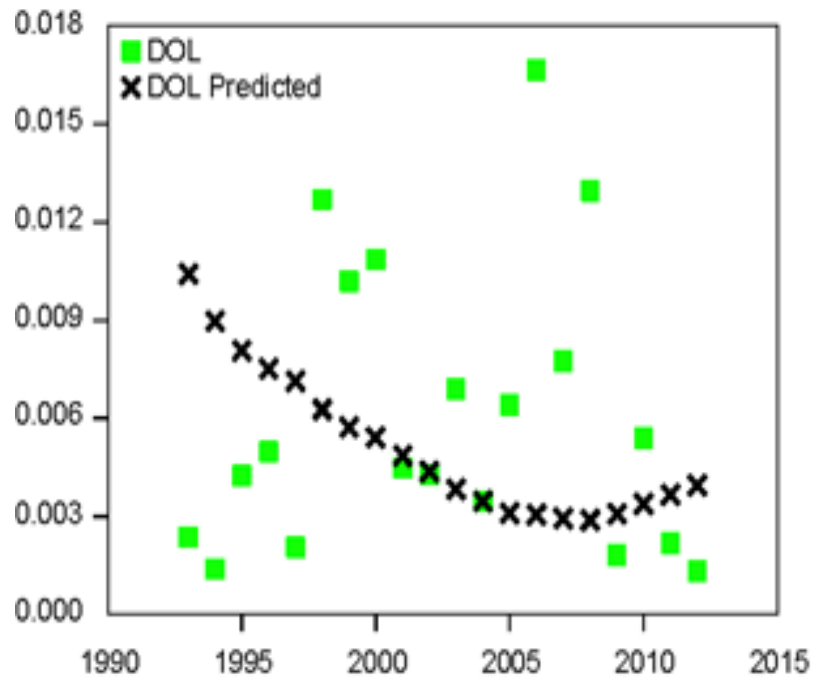
Model: Gilbert version of Pella-Tomlinson



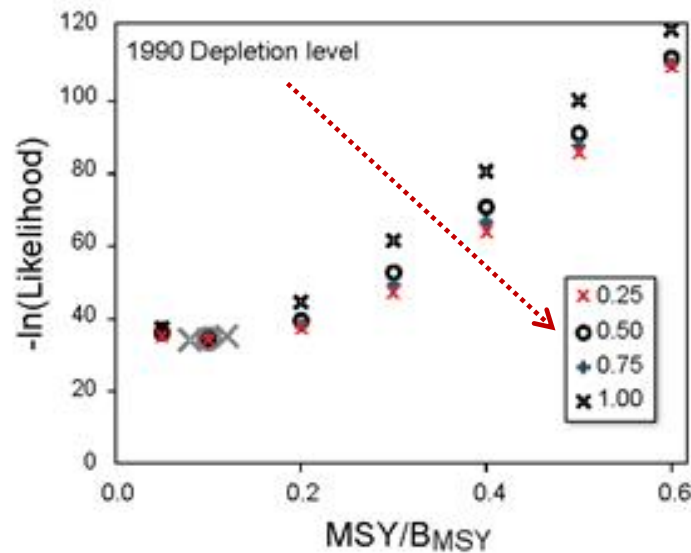
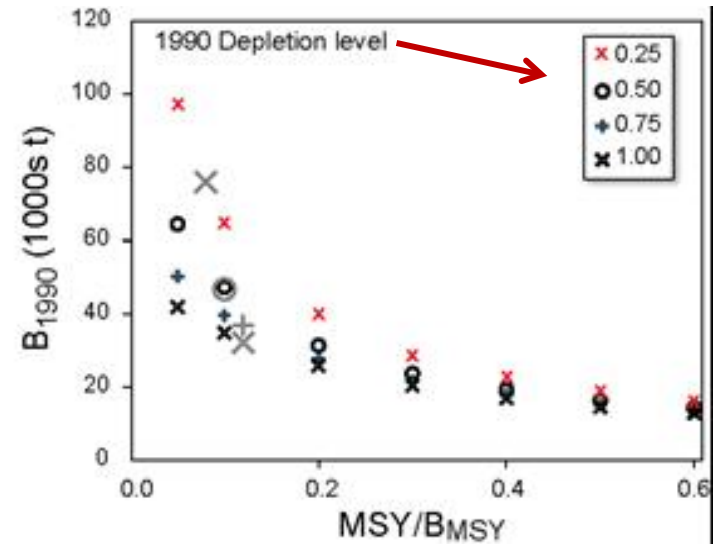
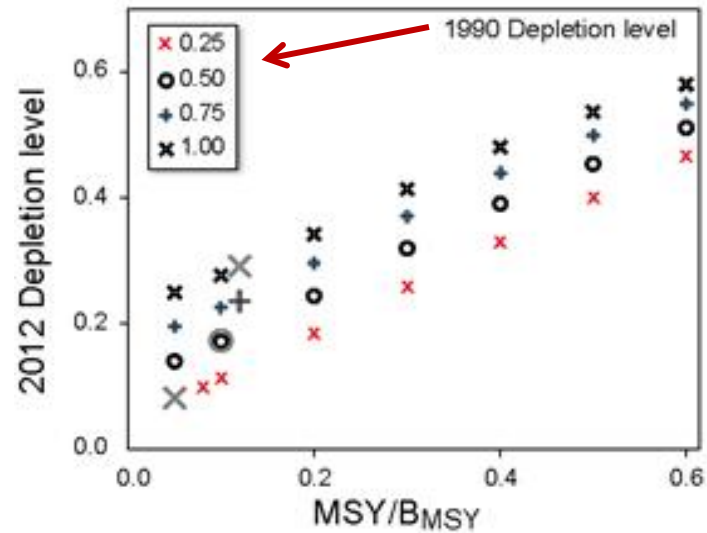
Model fits to CPUE series



Model fits to PS CPUE



Production Model Results



Recommendations

- Precautionary approach → No increase in F on SFA
- Monitor catch → sufficient data for an assessment
- Obtain reliable catch data
 - Historical data series
 - Encourage reporting Catch-by-Species
- Obtain missing data
 - Small-scale fisheries → Local longline fleets and artisanal fisheries
 - Identify SFA → Develop programs identifying catch by species



???s

