

# Workshop model fits

Steve Martell

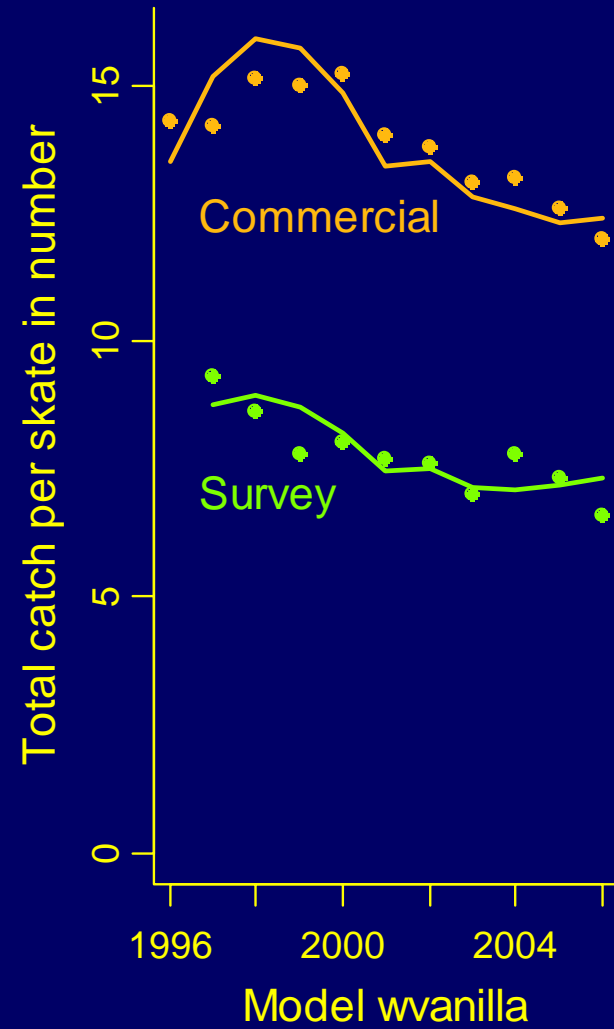
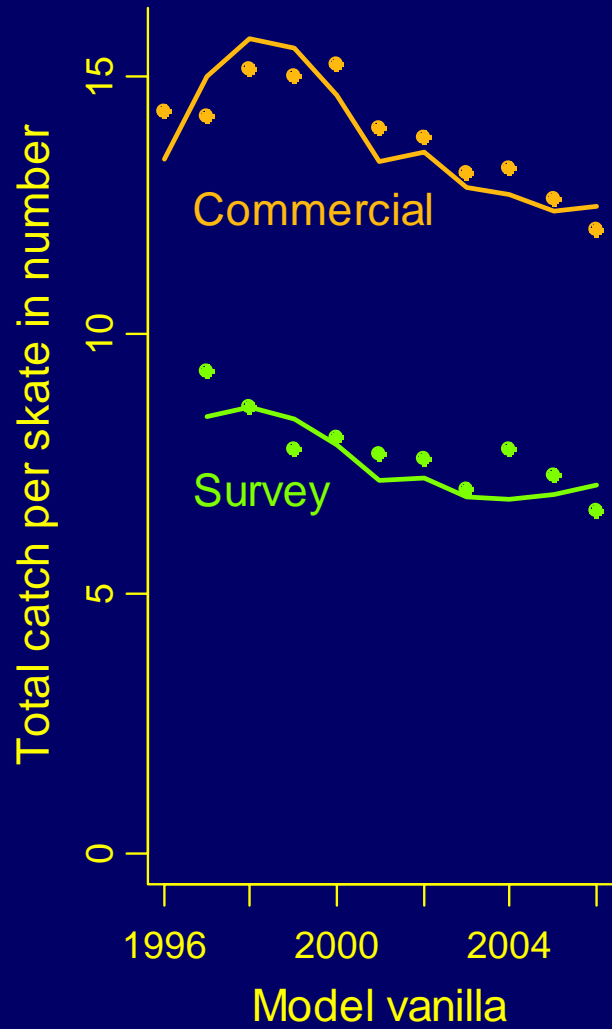
Jim Ianneli

Chris Francis

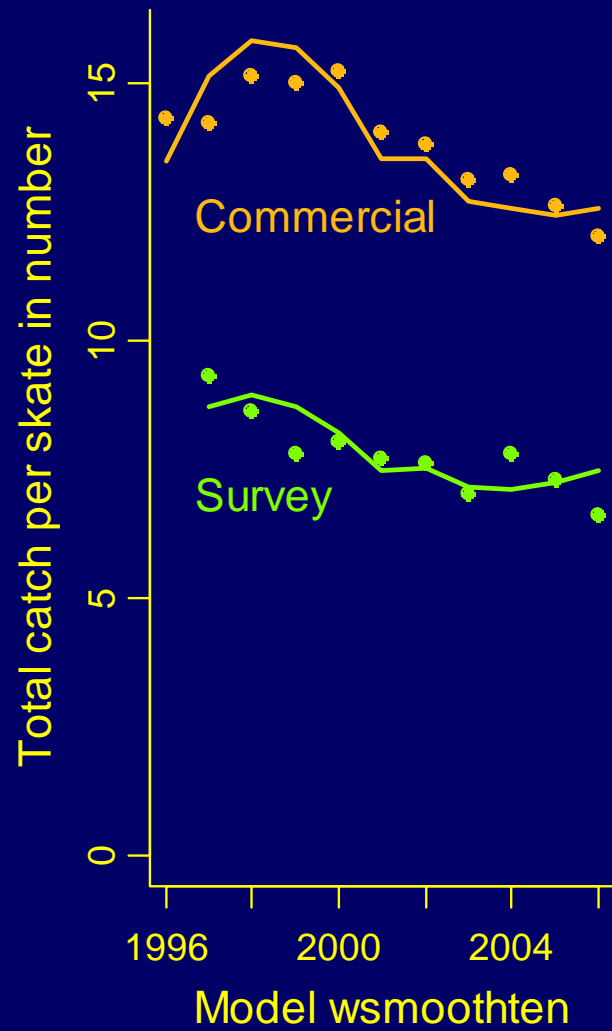
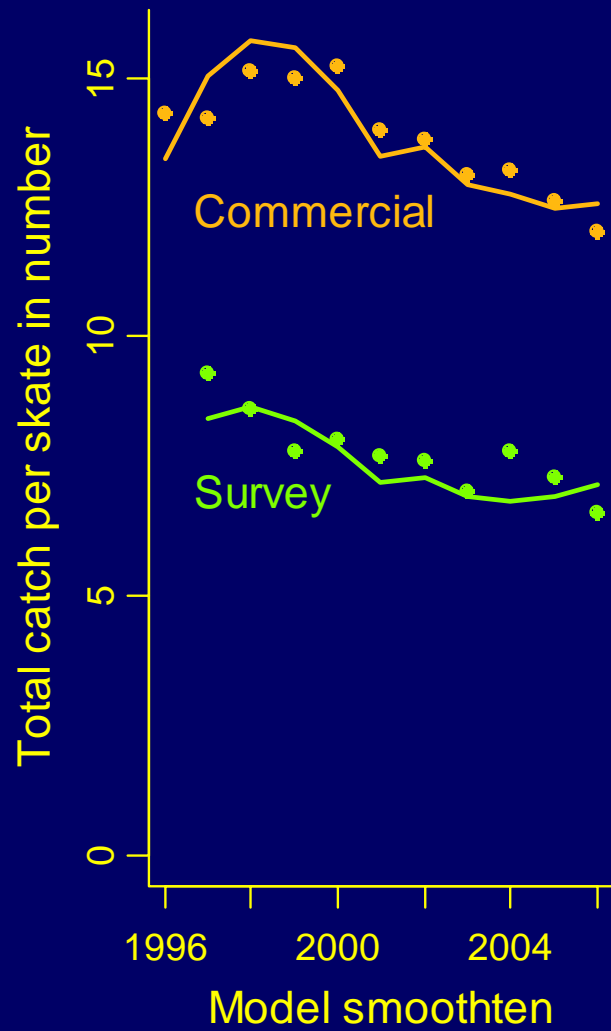
## Features of the workshop model

- No double fitting: catch at age but not CPUE at age; female and male catch at age but not total catch at age; total CPUE in number but not total CPUE in weight.
- Survey CPUE variance scaler set to one; all other operative variance scalars left at Vanilla values.

Model	Vanilla	Reworked
Catch_RSS_F	150	141
Catch_RSS_M	159	151
CCPUETot_RSS	12.0	13.5
SurvProp_RSS_F	175	180
SurvProp_RSS_M	160	163
SurvCPUETot_RSS	9.1	36.3
EBioFixed	374	367

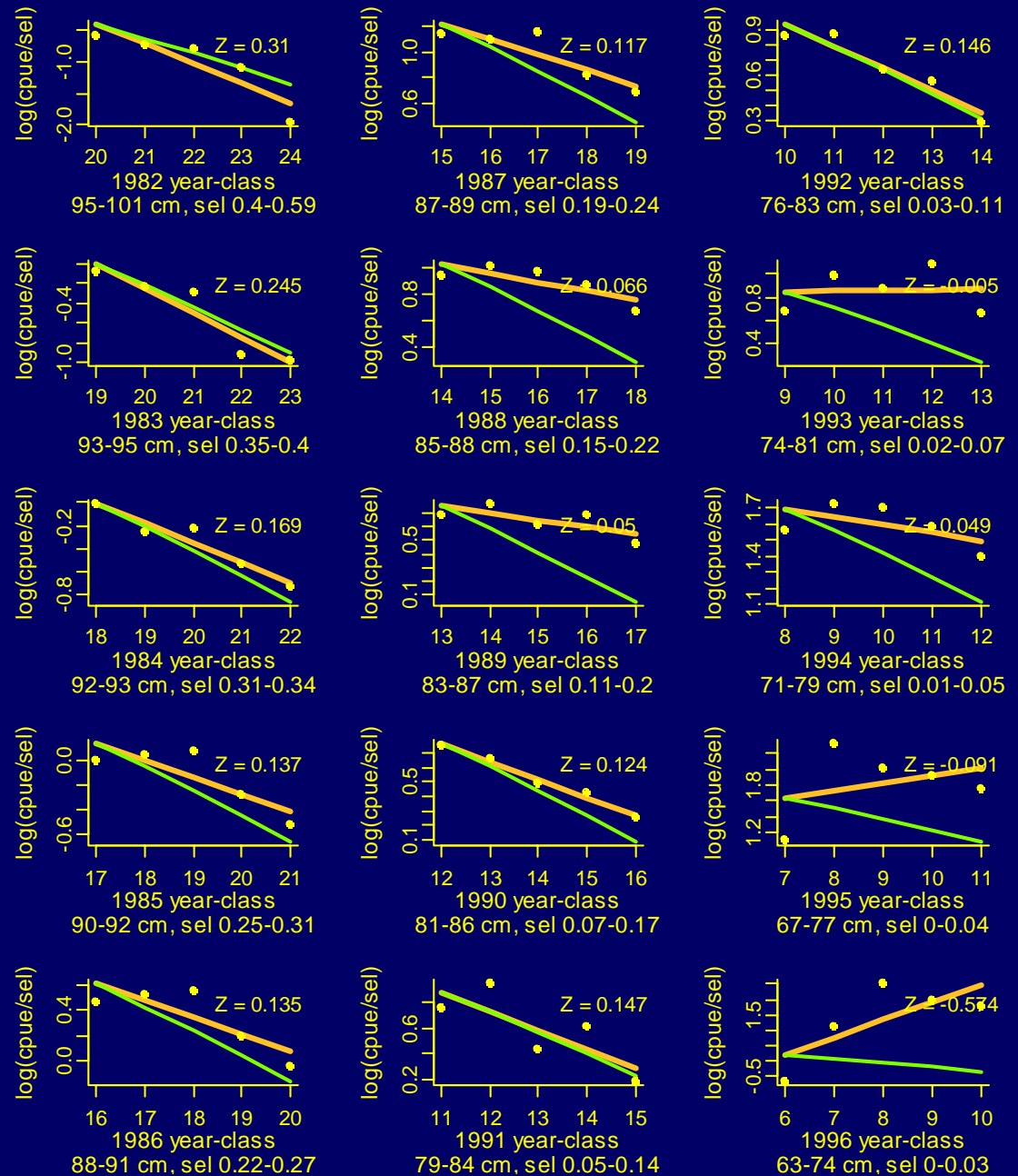


Model	SmoothTen	Reworked
Catch_RSS_F	141	132
Catch_RSS_M	154	143
CCPUETot_RSS	10.9	13.1
SurvProp_RSS_F	168	169
SurvProp_RSS_M	155	160
SurvCPUETot_RSS	9.0	36.7
EBioFixed	374	377



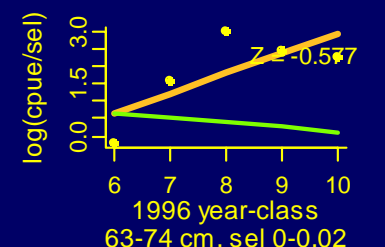
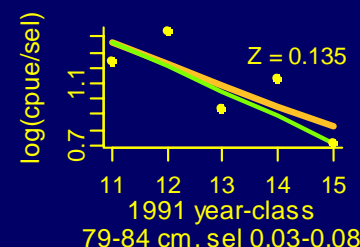
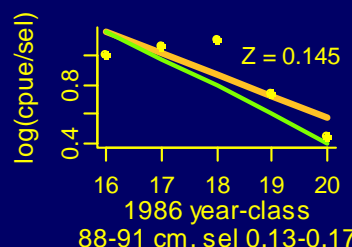
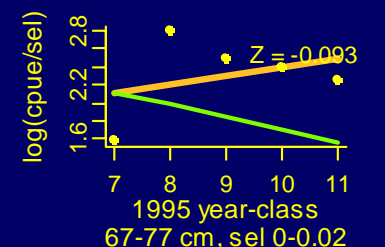
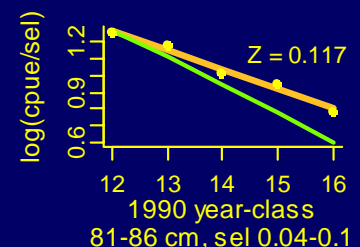
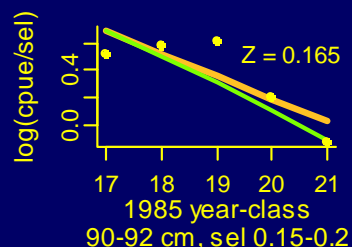
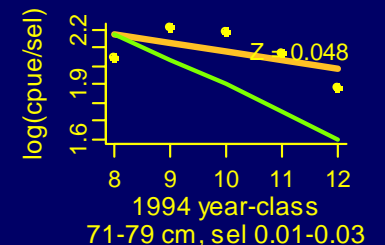
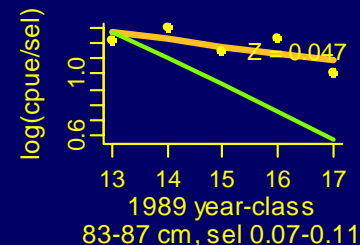
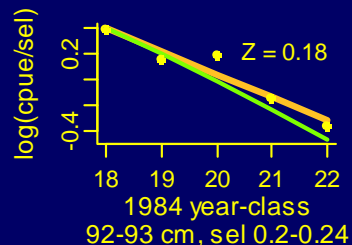
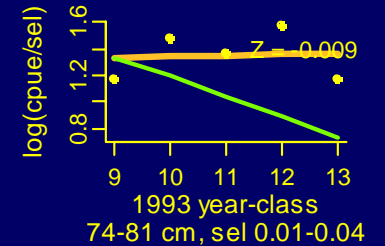
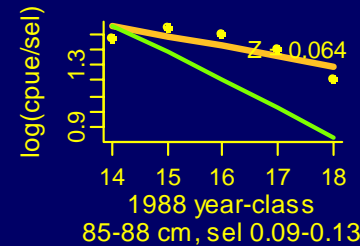
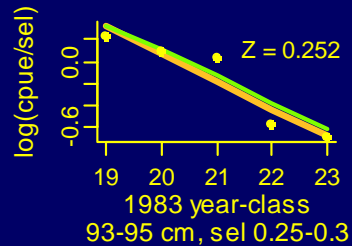
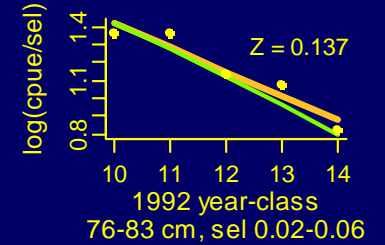
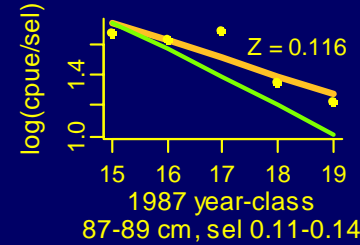
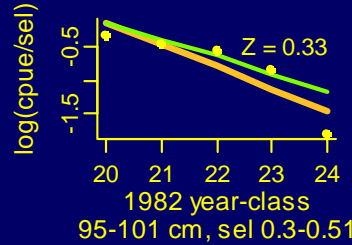
# Year-class plots of commercial males in Vanilla.

## Coastwide commercial males



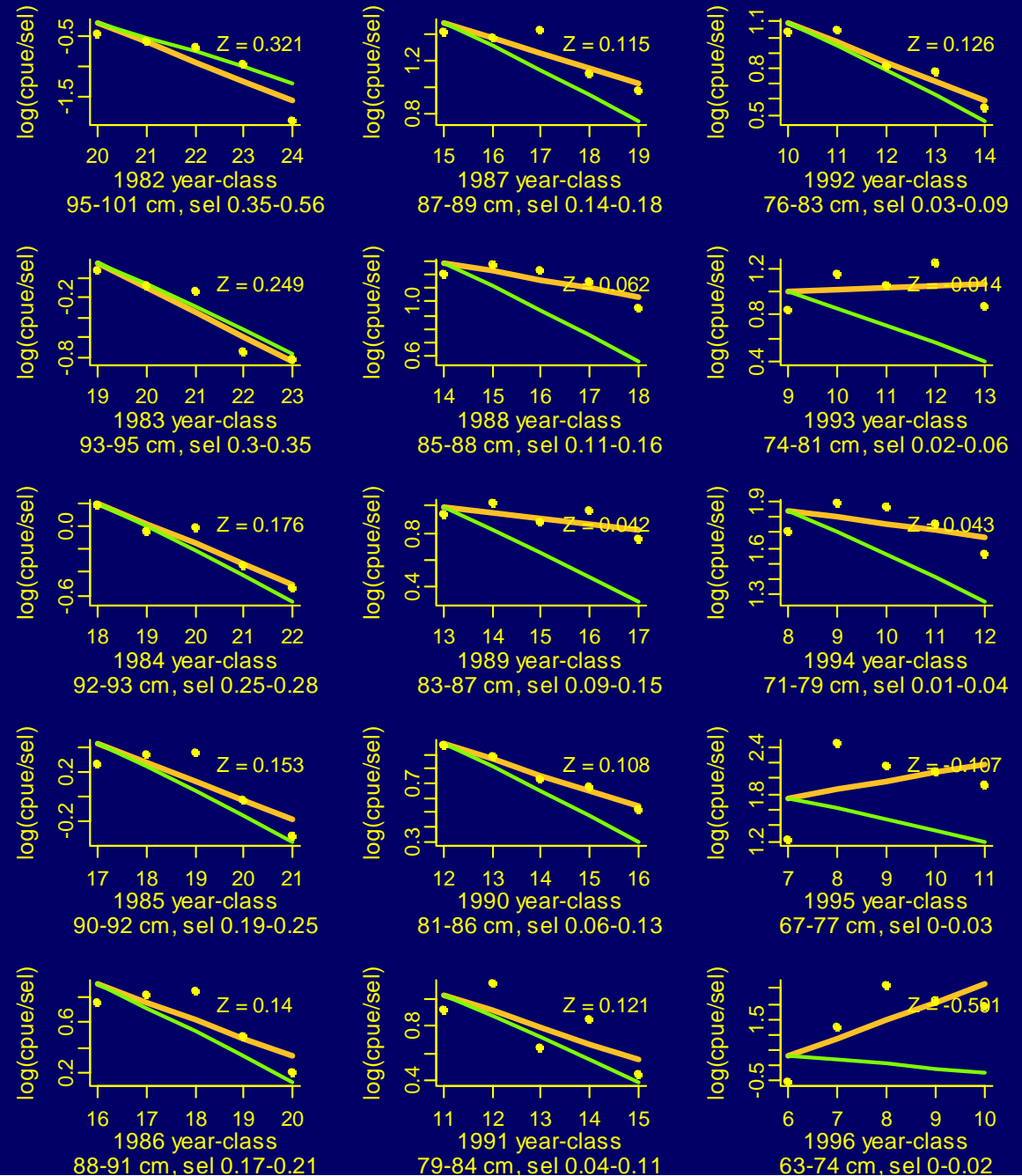
# Year-class plots for commercial males in SmoothTen.

## Coastwide commercial males

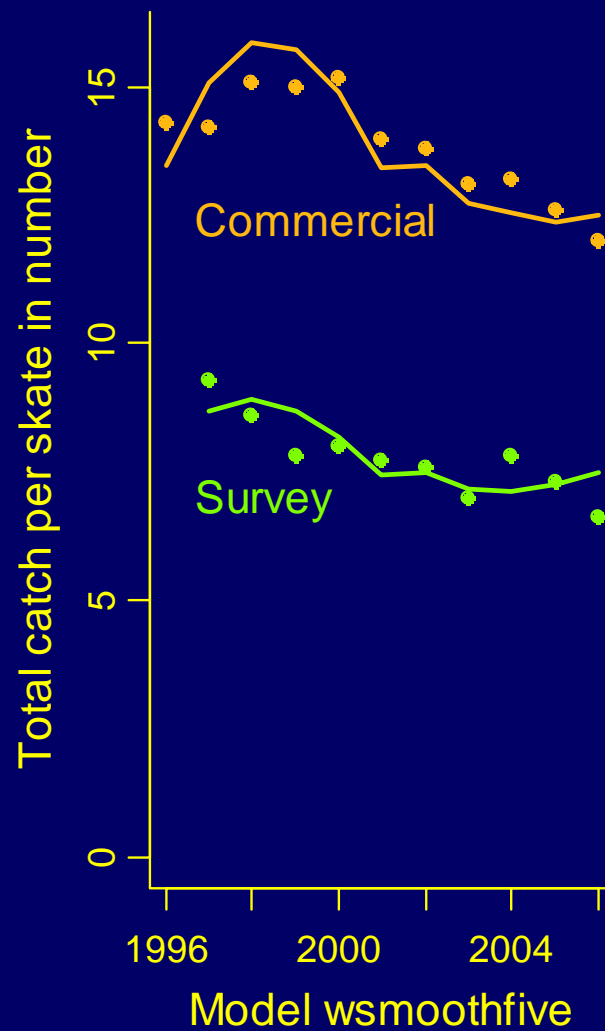
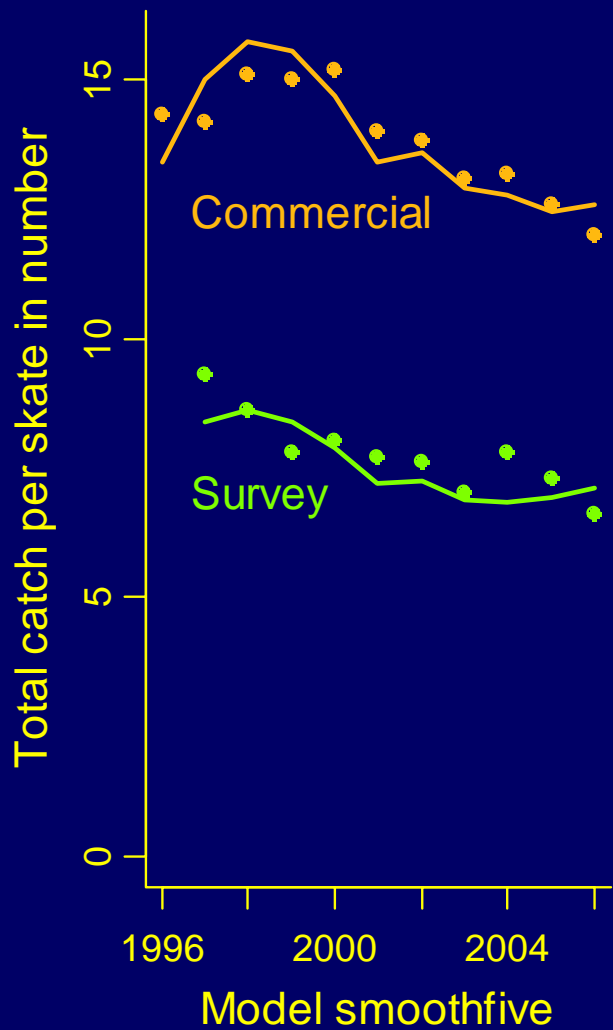


# Year-class plots for commercial males in reworked SmoothTen.

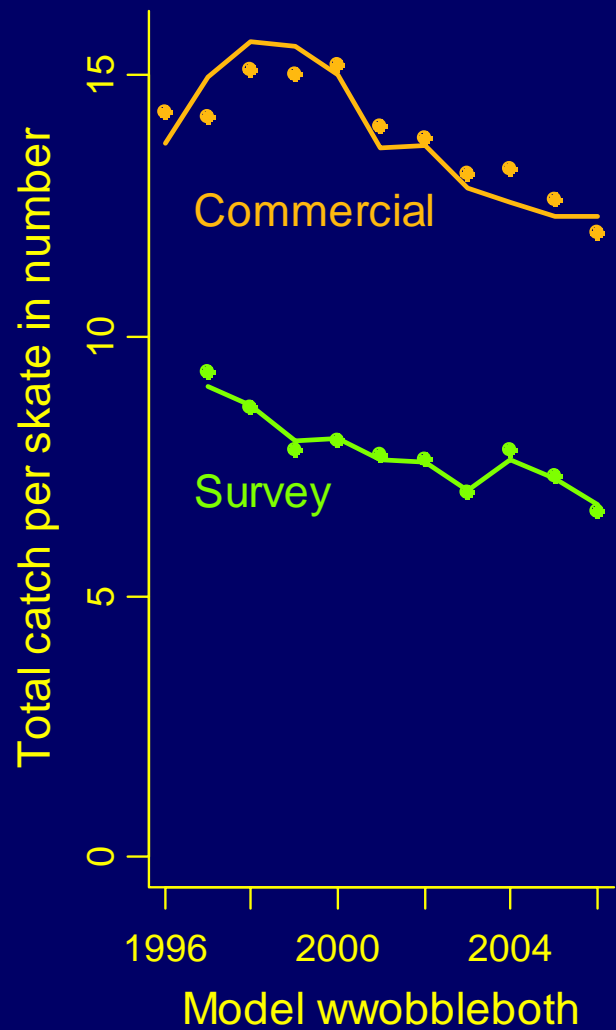
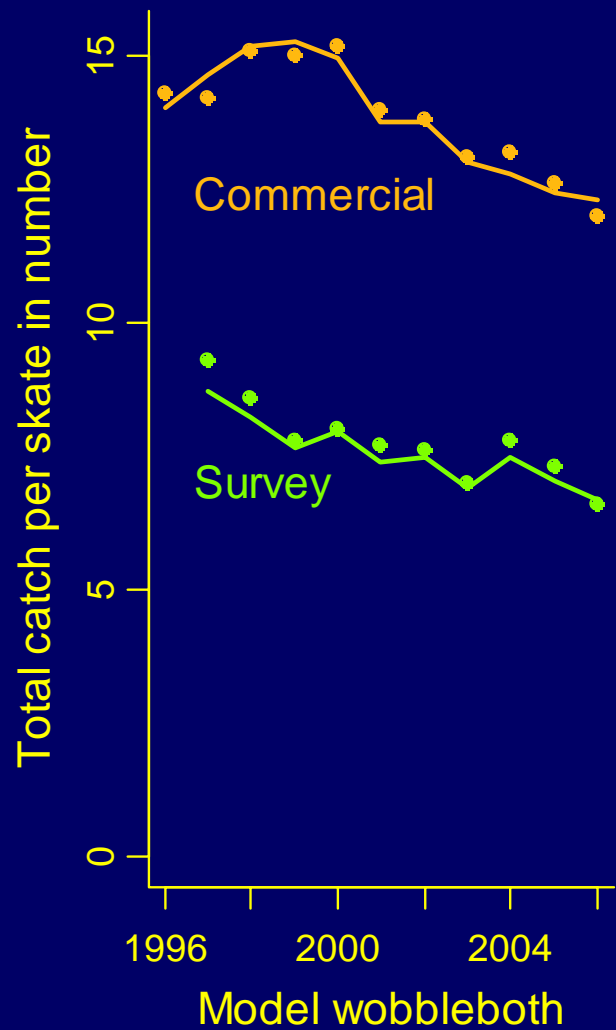
## Coastwide commercial males



Model	SmoothFive	Reworked
Catch_RSS_F	146	136
Catch_RSS_M	157	148
CCPUETot_RSS	11.5	13.9
SurvProp_RSS_F	172	174
SurvProp_RSS_M	158	162
SurvCPUETot_RSS	9.2	36.5
EBioFixed	376	379

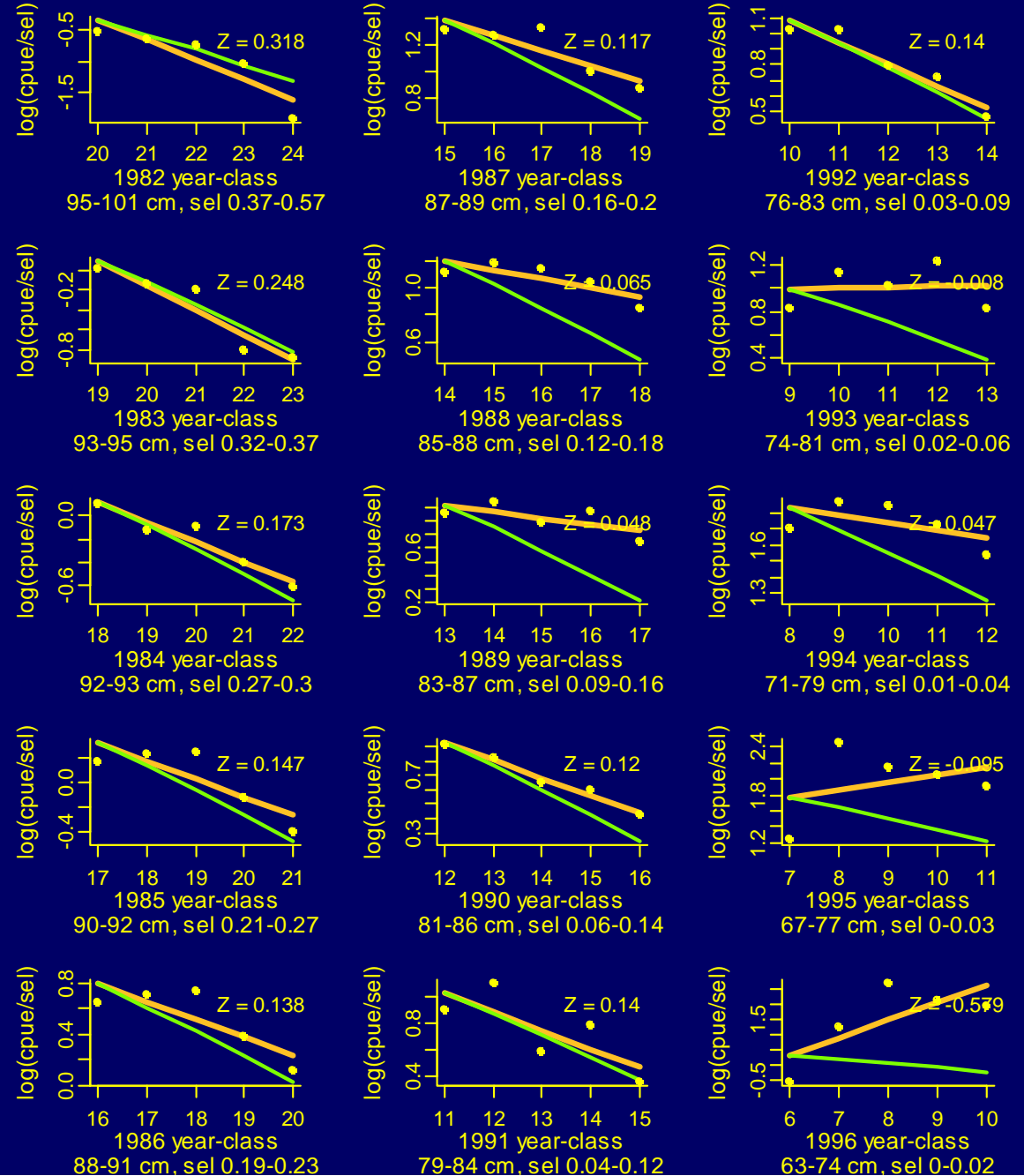


Model	WobbleBoth	Reworked
Catch_RSS_F	145	136
Catch_RSS_M	156	147
CCPUETot_RSS	2.77	8.54
SurvProp_RSS_F	171	174
SurvProp_RSS_M	159	161
SurvCPUETot_RSS	2.17	3.32
EBioFixed	366	362



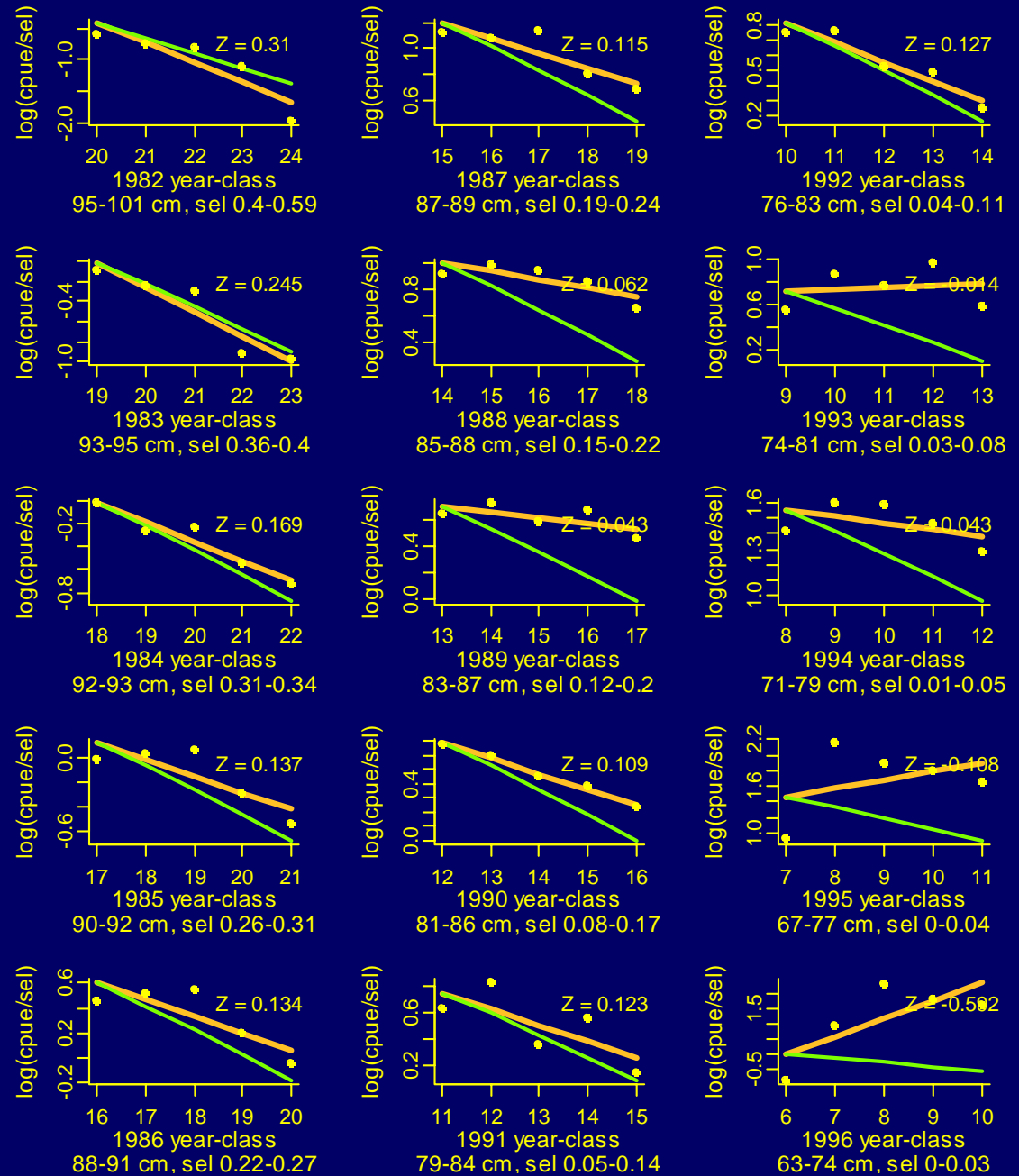
# Year-class plots for commercial males in WobbleBoth.

## Coastwide commercial males



# Year-class plot of commercial males in reworked WobbleBoth.

## Coastwide commercial males



# Retrospective behavior of reworked SmoothFive.

