LBI_EWG1715

Length based Indicators was conducted with the code constructed by Finley Scott in STECF EWG 16-13.

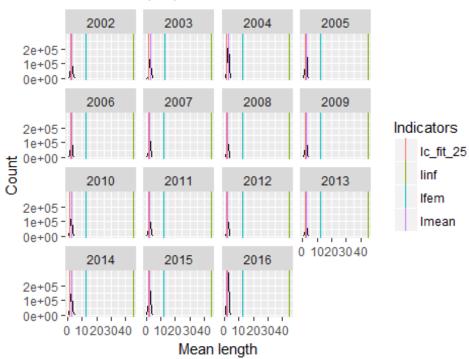
Biological parameters

Growth parameters for the stocks in respect. Asymptotic length in cm.

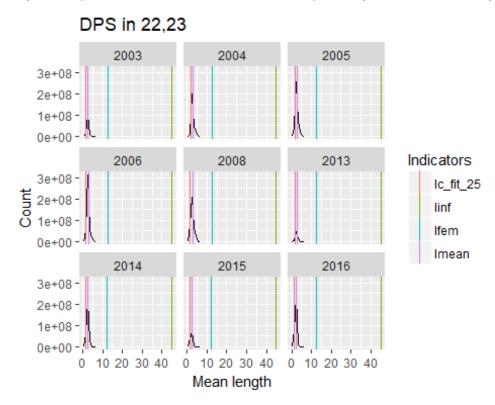
	Linf	K	t0	sex
DPS_17_18_19	4.5	0.6	-0.2	С
DPS_22_23	4.6	0.575	-0.2	C
NEP_17_18	8	0.17	-0.5	C
MUT_17_18	30	0.244	-0.61	C
MUT_19	30	0.4	-0.03	C
MUT_20	30	0.4	-0.03	C
MUT_22_23	30	0.4	-0.03	C
HKE_17_18	106	NA	NA	C
HKE_19	104	0.12	-0.01	C
HKE_20	104	0.12	-0.01	C
HKE_22_23	92.1	0.19	-0.39	C
RJC_17_18	121	NA	NA	C
CTC_17_18	29	0.75	-0.07	C
SOL_17	39.6	0.4	-0.46	C
MTS_17_18	4.15	0.49	-0.015	C
PAC_17_18	54.3	0.118	-1.12	C

Distribution Plots

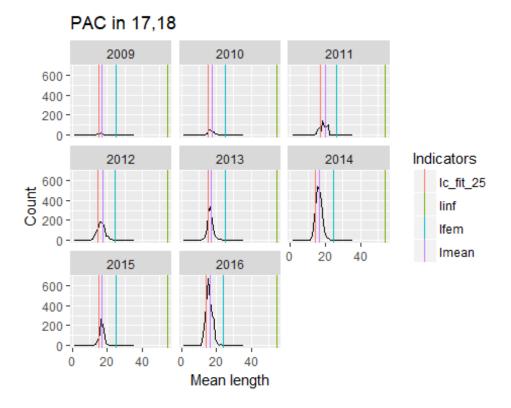




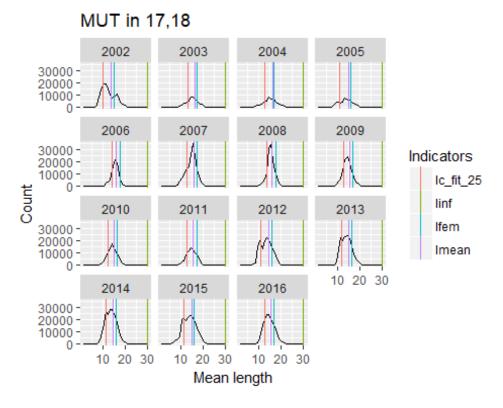
Exploratory catch distribution and indicators for Deep-water rose shrimp in GSAs 17, 18 and 19.



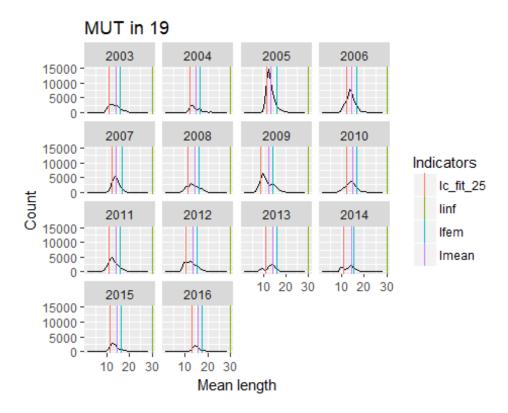
Exploratory catch distribution and indicators for Deep-water rose shrimp in GSAs 22 and 23.



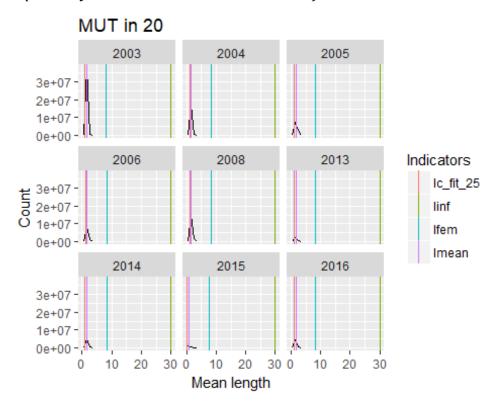
Exploratory catch distribution and indicators for Common pandora in GSAs 17 and 18.



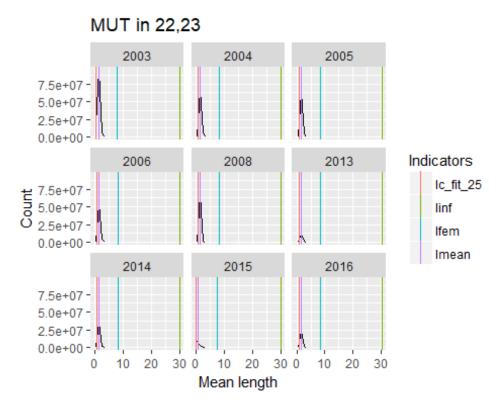
Exploratory catch distribution and indicators for Red mullet in GSAs 17 and 18.



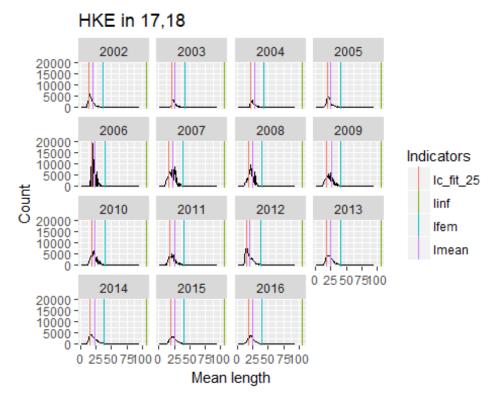
Exploratory catch distribution and indicators for Red mullet in GSA 19.



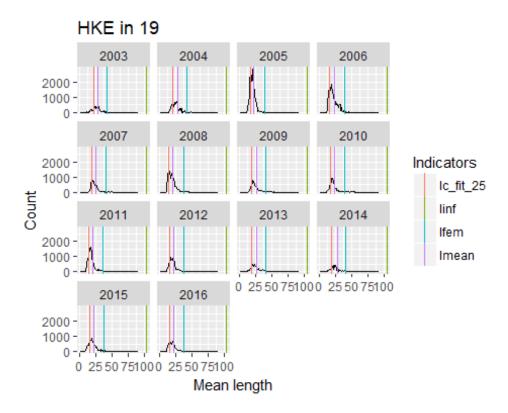
Exploratory catch distribution and indicators for Red mullet in GSA 20.



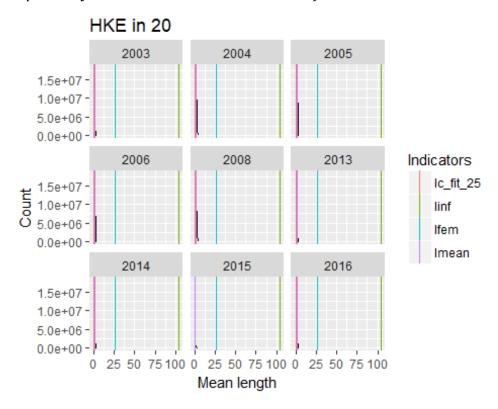
Exploratory catch distribution and indicators for Red mullet in GSAs 22 and 23.



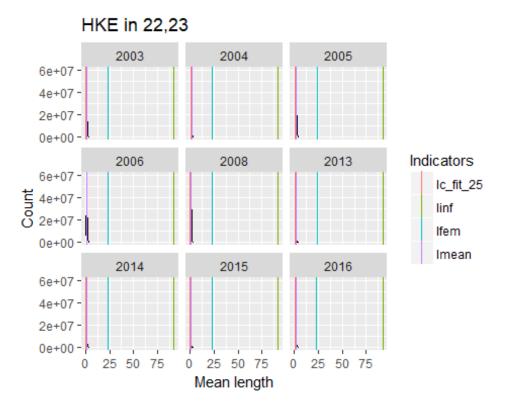
Exploratory catch distribution and indicators for Hake in GSAs 17 and 18.



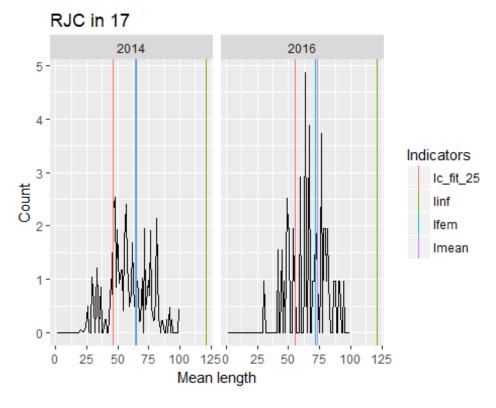
Exploratory catch distribution and indicators for Hake in GSA 19.



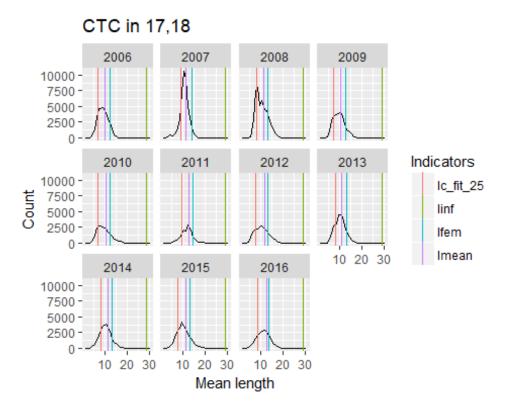
Exploratory catch distribution and indicators for Hake in GSA 20.



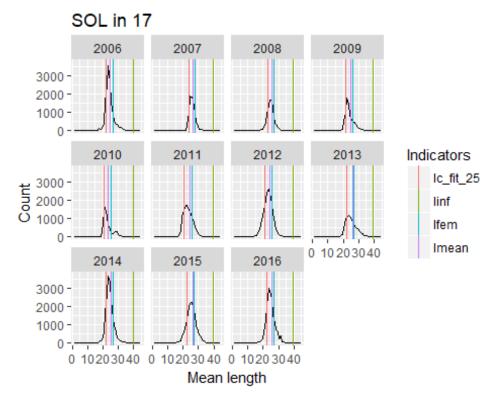
Exploratory catch distribution and indicators for Hake in GSAs 22 and 23.



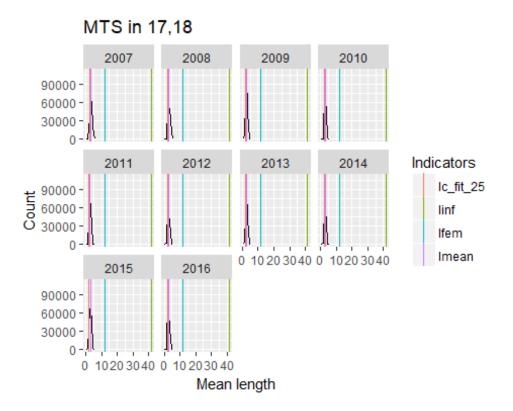
Exploratory catch distribution and indicators for Thornback ray in GSA 17.



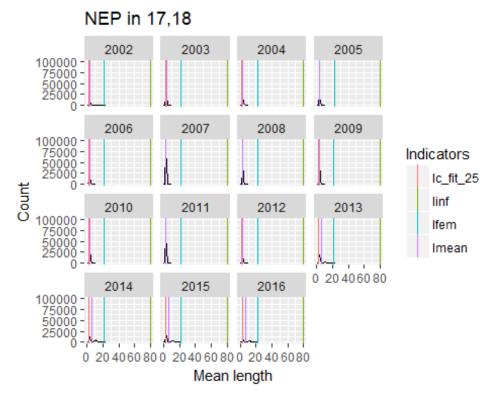
Exploratory catch distribution and indicators for Common cuttlefish in GSAs 17 and 18.



Exploratory catch distribution and indicators for Sole in GSA 17.

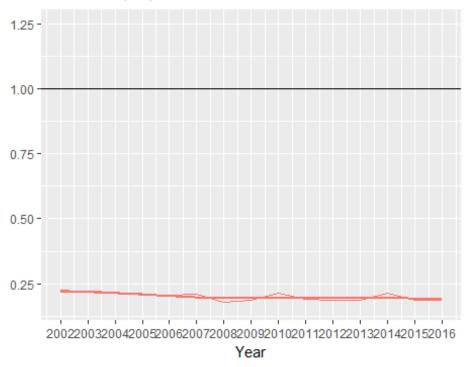


Exploratory catch distribution and indicators for Spottail mantis shrimp in GSAs 17 and 18.



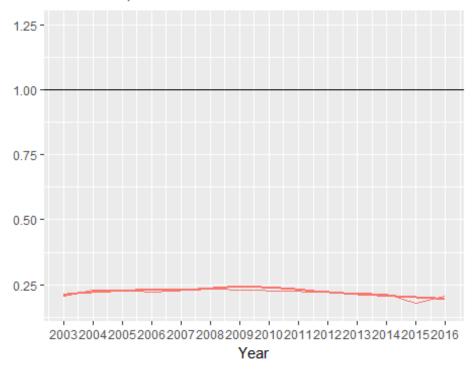
#Indicators

DPS in 17,18,19



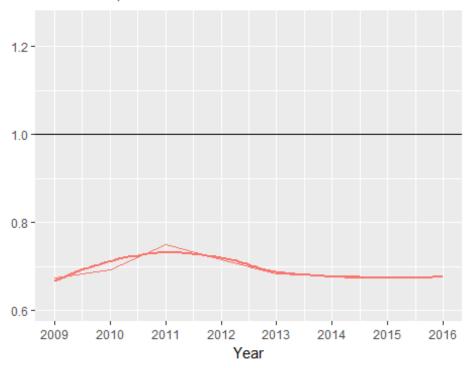
Indicators with the provided Linf for Deep-water rose shrimp in GSAs 17, 18 and 19. The spiked line for the respective colors represents the results, whereas a smoother was applied on the results in the case of the smoothed line.

DPS in 22,23



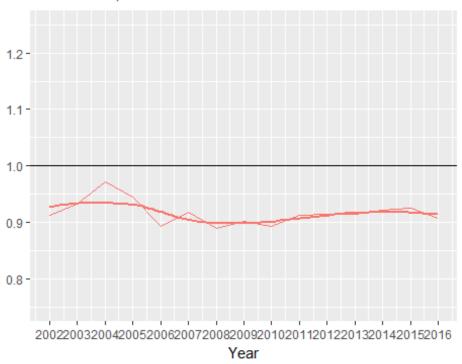
Indicators with the provided Linf for Deep-water rose shrimp in GSAs 22 and 23. The spiked line for the respective colors represents the results, whereas a smoother was applied on the results in the case of the smoothed line.

PAC in 17,18

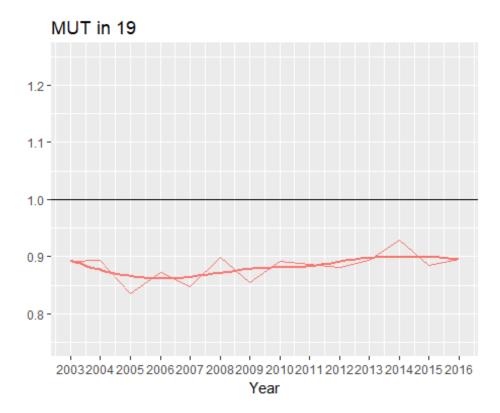


Indicators with the provided Linf for Common pandora in GSAs 17 and 18. The spiked line for the respective colors represents the results, whereas a smoother was applied on the results in the case of the smoothed line.

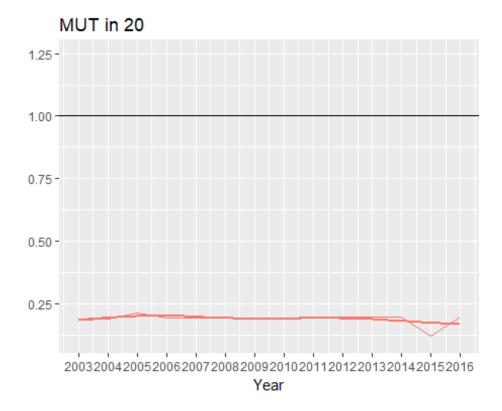
MUT in 17,18



Indicators with the provided Linf for Red mullet in GSAs 17 and 18. The spiked line for the respective colors represents the results, whereas a smoother was applied on the results in the case of the smoothed line.

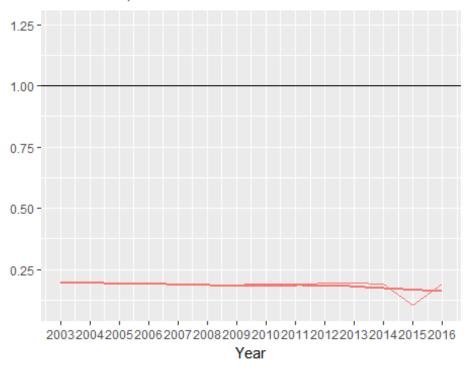


Indicators with the provided Linf for Red mullet in GSA 19. The spiked line for the respective colors represents the results, whereas a smoother was applied on the results in the case of the smoothed line.



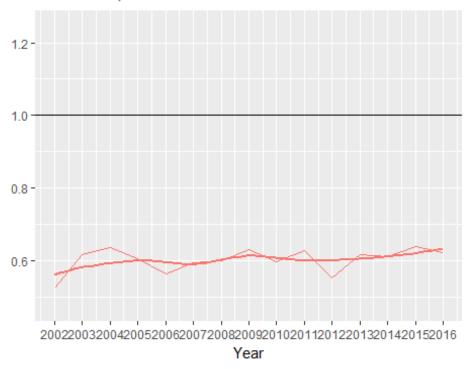
Indicators with the provided Linf Red mullet in GSA 20. The spiked line for the respective colors represents the results, whereas a smoother was applied on the results in the case of the smoothed line.

MUT in 22,23

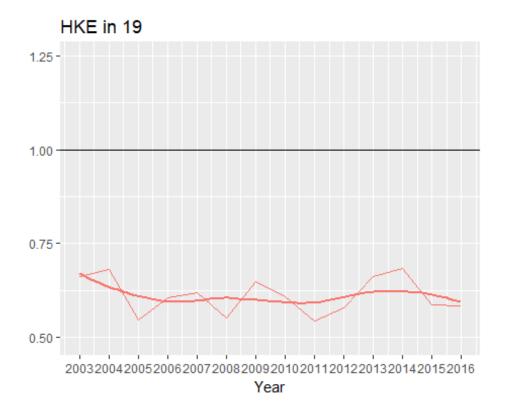


Indicators with the provided Linf for Red mullet in GSAs 22 and 23. The spiked line for the respective colors represents the results, whereas a smoother was applied on the results in the case of the smoothed line.

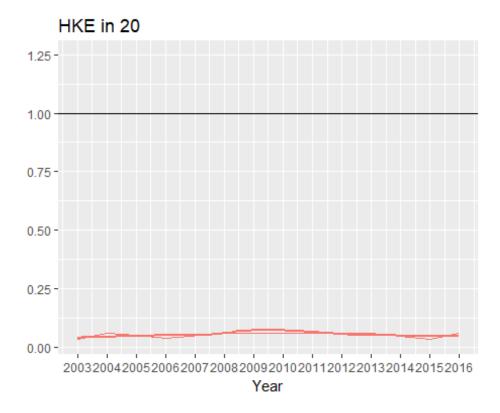
HKE in 17,18



Indicators with the provided Linf for Hake in GSAs 17 and 18. The spiked line for the respective colors represents the results, whereas a smoother was applied on the results in the case of the smoothed line.

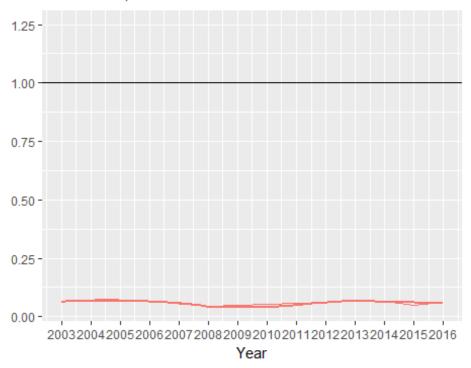


Indicators with the provided Linf for Hake in GSA 19. The spiked line for the respective colors represents the results, whereas a smoother was applied on the results in the case of the smoothed line.

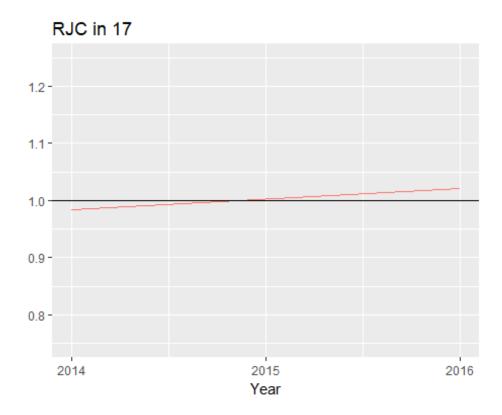


Indicators with the provided Linf for Hake in GSA 20. The spiked line for the respective colors represents the results, whereas a smoother was applied on the results in the case of the smoothed line.

HKE in 22,23

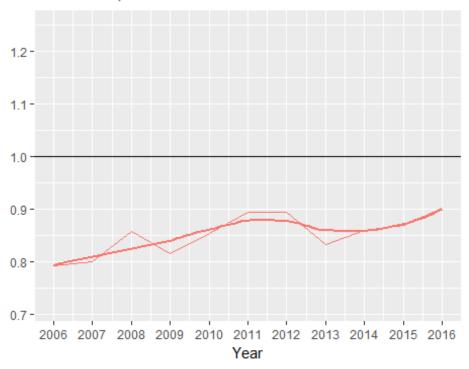


Indicators with the provided Linf for Hake in GSAs 22 and 23. The spiked line for the respective colors represents the results, whereas a smoother was applied on the results in the case of the smoothed line.

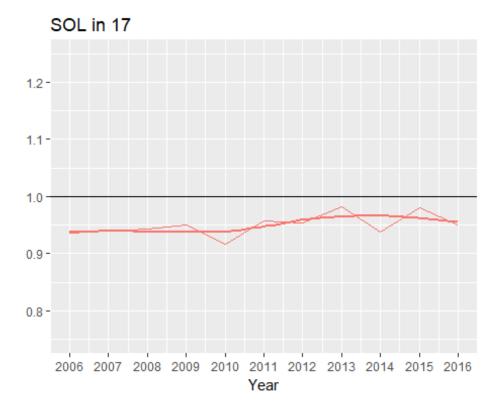


Indicators with the provided Linf for for Thornback ray in GSA 17. The spiked line for the respective colors represents the results, whereas a smoother was applied on the results in the case of the smoothed line.

CTC in 17,18

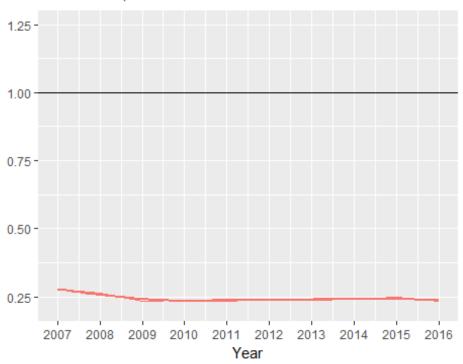


Indicators with the provided Linf for Common cuttlefish in GSAs 17 and 18. The spiked line for the respective colors represents the results, whereas a smoother was applied on the results in the case of the smoothed line.

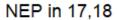


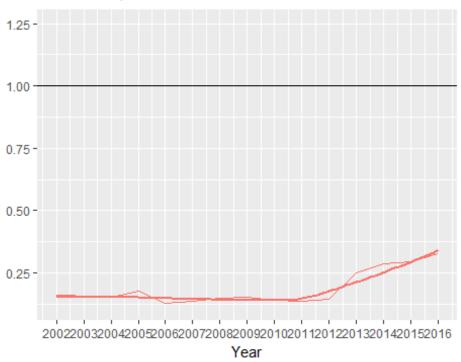
Indicators with the provided Linf for Sole in GSA 17. The spiked line for the respective colors represents the results, whereas a smoother was applied on the results in the case of the smoothed line.

MTS in 17,18



Indicators with the provided Linf for Spottail mantis shrimp in GSAs 17 and 18. The spiked line for the respective colors represents the results, whereas a smoother was applied on the results in the case of the smoothed line.





Indicators with the provided Linf for Norway lobster in GSAs 17 and 18. The spiked line for the respective colors represents the results, whereas a smoother was applied on the results in the case of the smoothed line.