

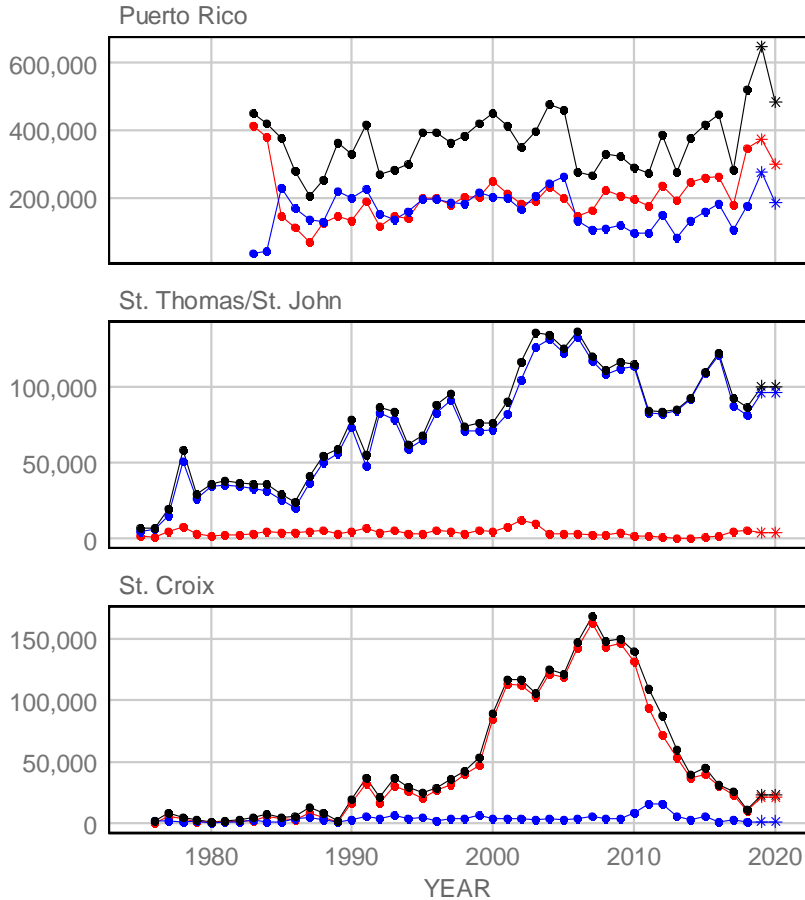
# Updated Projections Comparison

- "3 year average base case" and a "50% reduction for 2019 and 2020 alternative"
- For both, OFL and ABC using  $\sigma_{\min} 0.5$ , multiplier = 2 and  $P^* 0.4-0.45$

# Using 3-YR Avg.

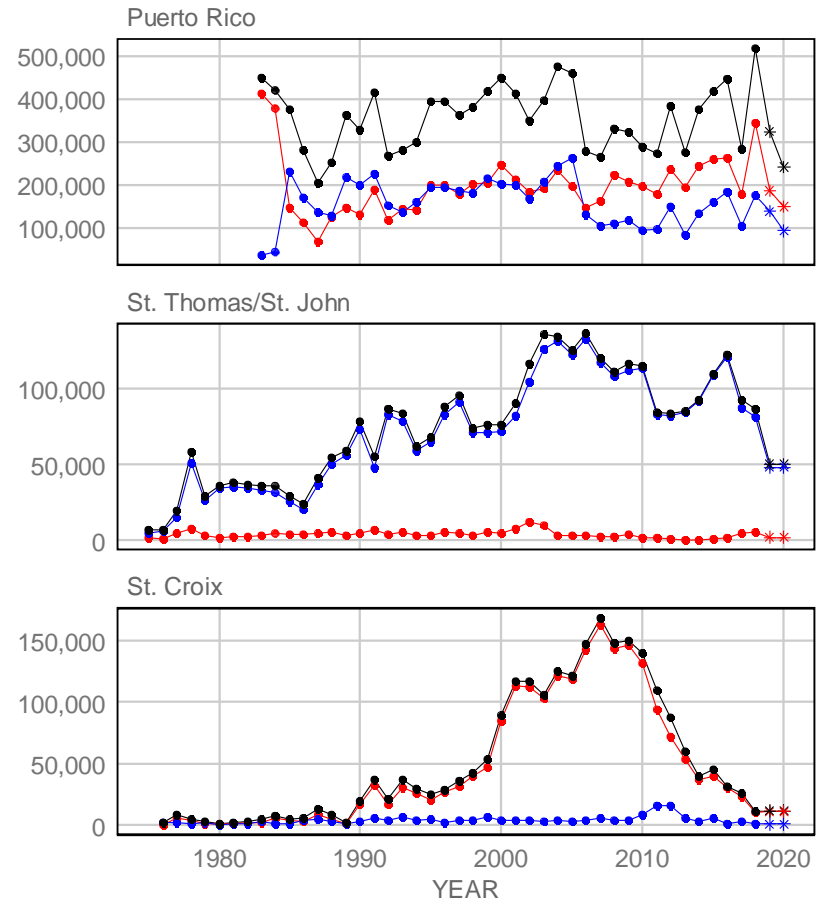
# 50% 2019 & 2020

Landings of Caribbean Spiny Lobster (lbs)



● All Gears   
 ● Diving   
 ● Pots and Traps  
 ● Annual commercial fishery landings data  
 \* Landings for 2019 and 2020 are provisional

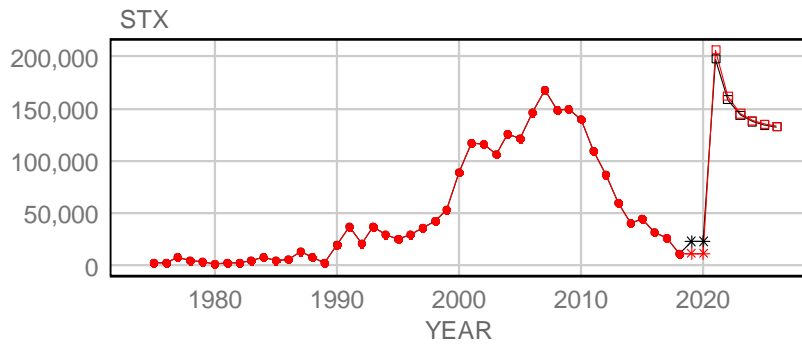
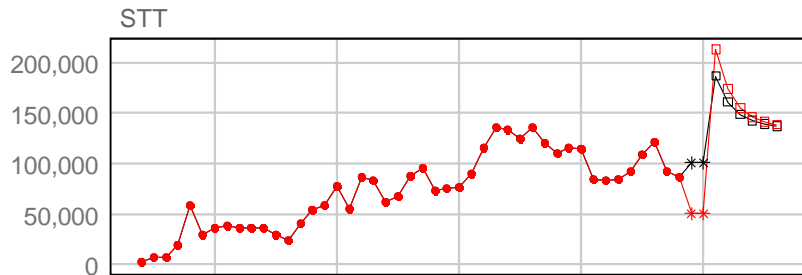
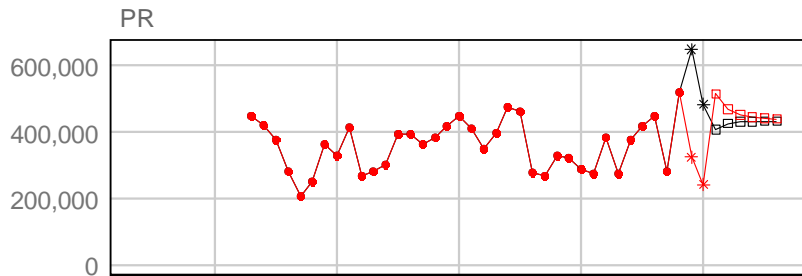
Landings of Caribbean Spiny Lobster (lbs)



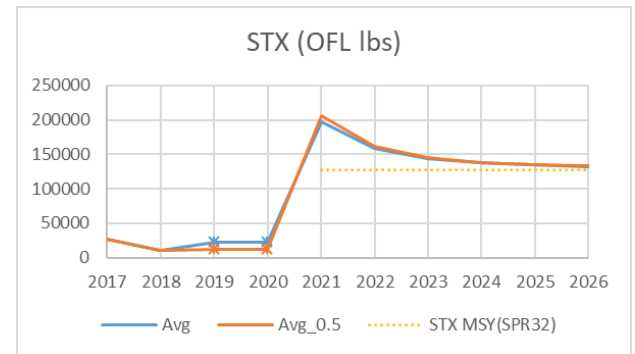
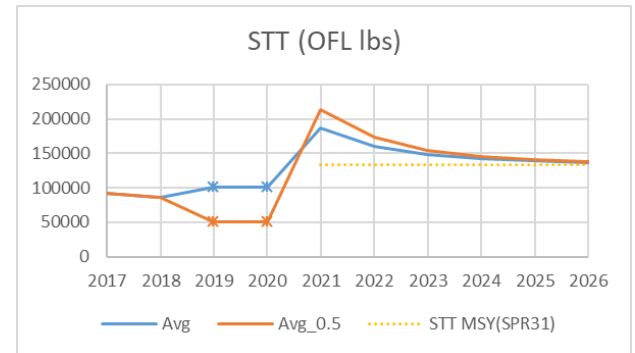
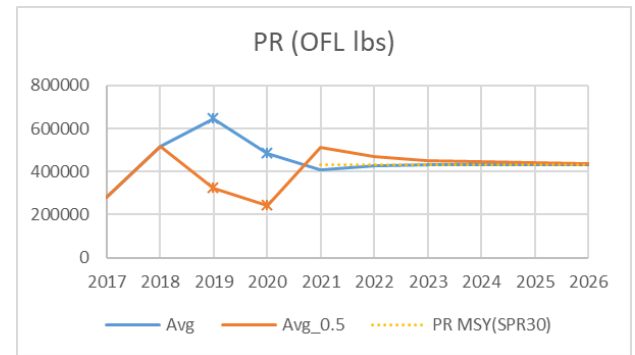
● All Gears   
 ● Diving   
 ● Pots and Traps  
 ● Annual commercial fishery landings data  
 \* Landings for 2019 and 2020 are provisional

# Comparing OFLs

Landings of Caribbean Spiny Lobster (lbs)

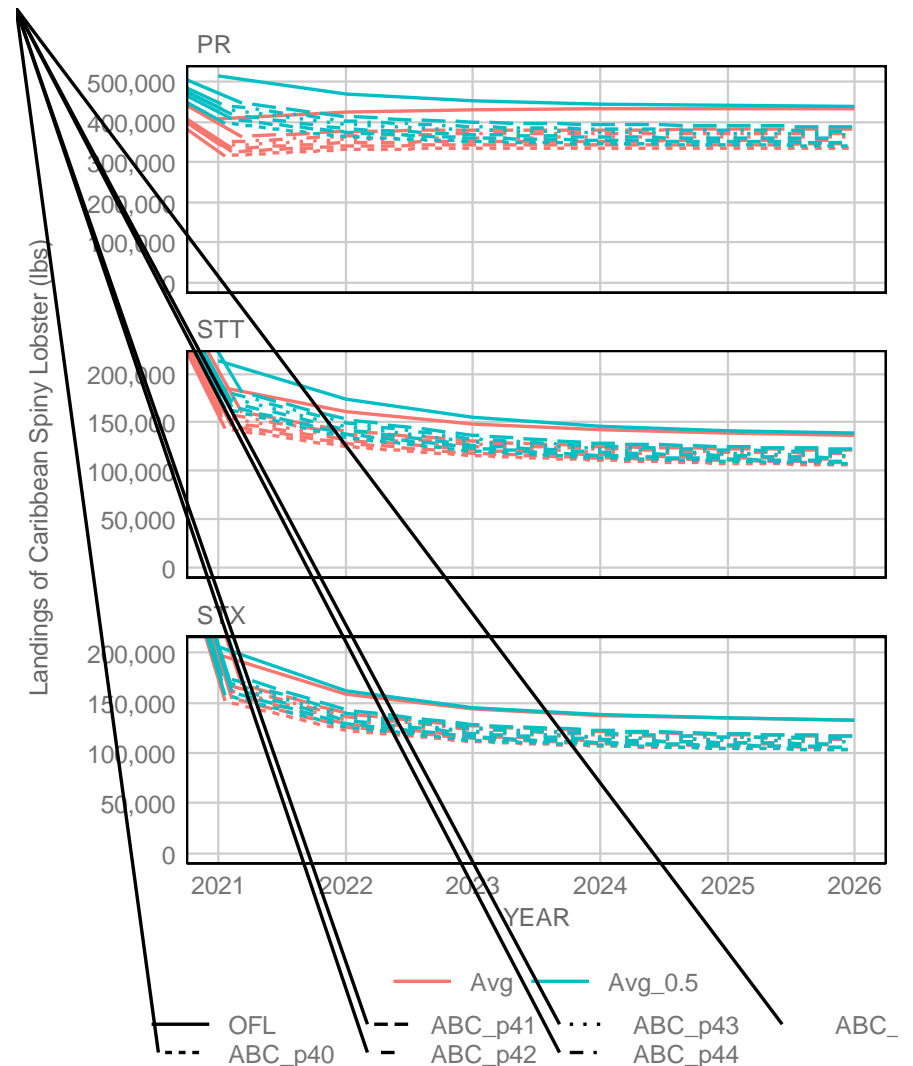


—●— Avg    —●— Avg\_0.5  
● Final    □ OFL    \* Provisional



# COMPARING OFLs and ABCs

ABC/OFL Relationship	
P* values (0.40 – 0.45)	$\sigma_{MIN} = 0.5$ ; multiplier of 2
P* = 0.45	88%
P* = 0.44	86%
P* = 0.43	84%
P* = 0.42	82%
P* = 0.41	80%
P* = 0.40	78%



Puerto Rico - Updated Projections (lbs)									
Year	Avg_OFL	Avg_0.5 P* 0.45	Avg_0.5 P* 0.40	Avg_0.5_OFL	Avg_0.5 P* 0.45	Avg_0.5 P* 0.40	MSY <sub>(SPR30)</sub>	ABC(2012)	ABC(2012)
2021	406,257	357,506	316,880	514,506	452,765	401,315	432,501	432,501	327,920
2022	425,164	374,144	331,628	468,105	411,933	365,122	432,501	432,501	327,920
2023	430,109	378,496	335,485	451,346	397,184	352,050	432,501	432,501	327,920
2024	431,140	379,404	336,290	444,690	391,327	346,858	432,501	432,501	327,920
2025	431,566	379,778	336,621	441,119	388,184	344,072	432,501	432,501	327,920
2026	431,905	380,077	336,886	438,676	386,035	342,167	432,501	432,501	327,920

St. Thomas/St. John - Updated Projections (lbs)									
Year	Avg_OFL	Avg_0.5 P* 0.45	Avg_0.5 P* 0.40	Avg_0.5_OFL	Avg_0.5 P* 0.45	Avg_0.5 P* 0.40	MSY <sub>(SPR30)</sub>	ABC(2012)	ABC(2012)
2021	186,341	163,980	145,346	213,038	187,473	166,169	133,601	133,601	104,199
2022	160,714	141,428	125,357	173,633	152,797	135,434	133,601	133,601	104,199
2023	148,335	130,535	115,701	154,789	136,215	120,736	133,601	133,601	104,199
2024	142,313	125,236	111,004	145,839	128,338	113,754	133,601	133,601	104,199
2025	139,044	122,359	108,454	141,146	124,208	110,094	133,601	133,601	104,199
2026	137,056	120,609	106,904	138,374	121,769	107,931	133,601	133,601	104,199

St. Croix - Updated Projections (lbs)									
Year	Avg_OFL	Avg_0.5 P* 0.45	Avg_0.5 P* 0.40	Avg_0.5_OFL	Avg_0.5 P* 0.45	Avg_0.5 P* 0.40	MSY <sub>(SPR30)</sub>	ABC(2012)	ABC(2012)
2021	197,709	173,984	154,213	206,264	181,512	160,886	127,742	127,742	107,307
2022	158,538	139,513	123,659	161,902	142,474	126,283	127,742	127,742	107,307
2023	143,801	126,545	112,165	145,320	127,882	113,350	127,742	127,742	107,307
2024	137,668	121,148	107,381	138,484	121,866	108,018	127,742	127,742	107,307
2025	134,529	118,386	104,933	135,035	118,831	105,327	127,742	127,742	107,307
2026	132,599	116,688	103,428	132,945	116,992	103,697	127,742	127,742	107,307

ABC/OFL Relationship	
P* values (0.40 – 0.45)	$\sigma_{MIN} = 0.5$ ; multiplier of 2
P* = 0.45	88%
P* = 0.44	86%
P* = 0.43	84%
P* = 0.42	82%
P* = 0.41	80%
P* = 0.40	78%

