



# MRIP-FES Calibrations: Effects on Sector Allocations

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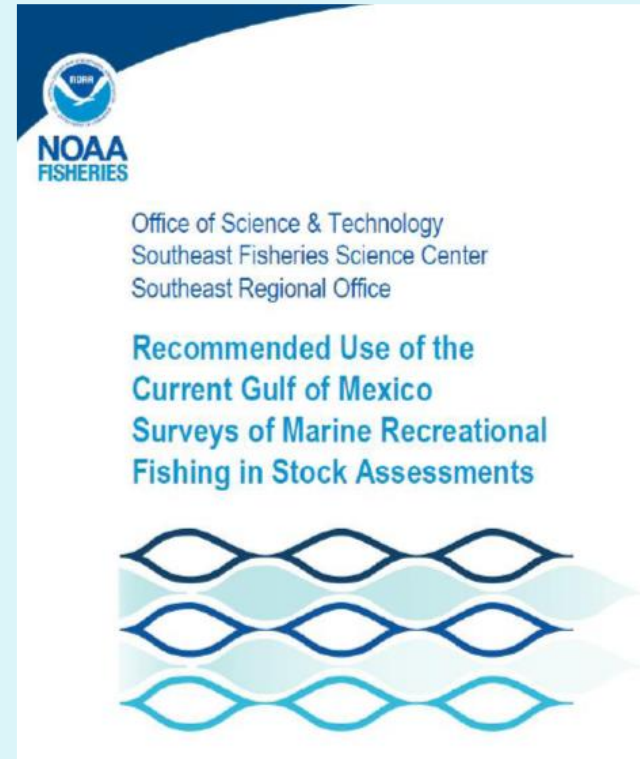
# Red Grouper: Status Quo Allocation Scenario

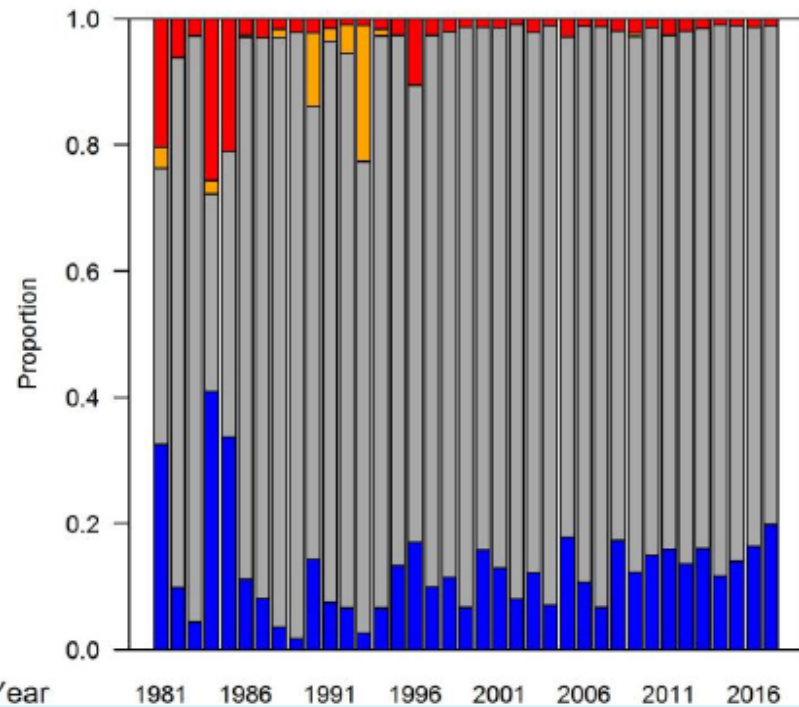
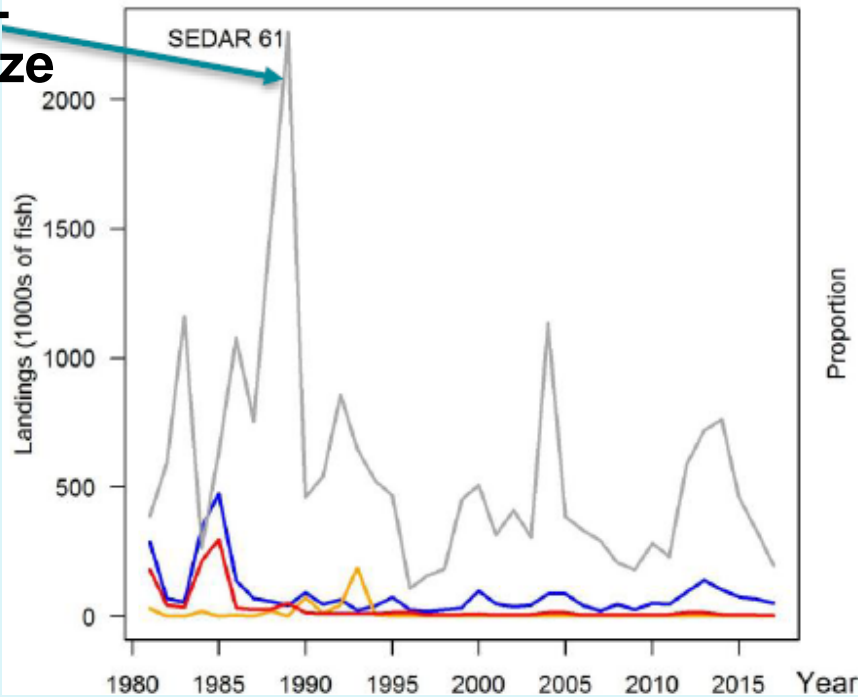
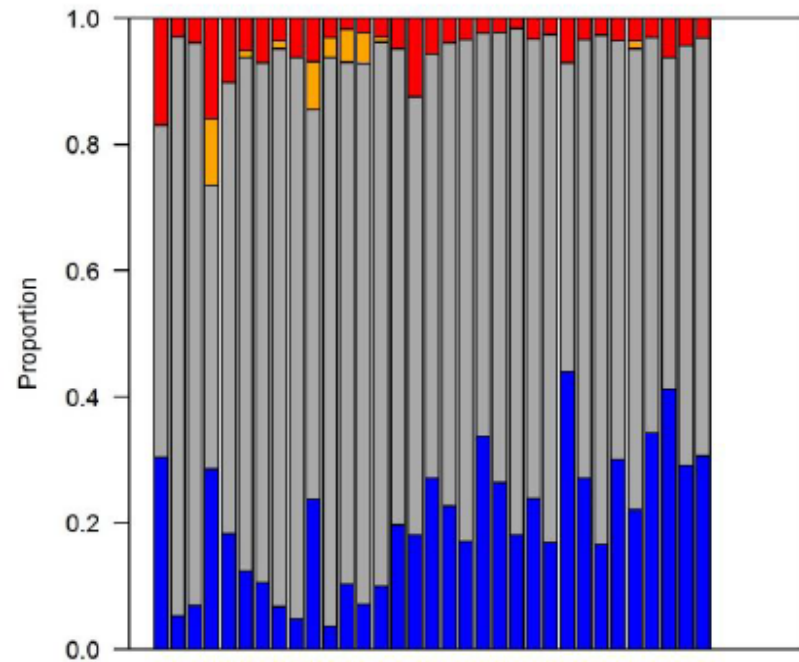
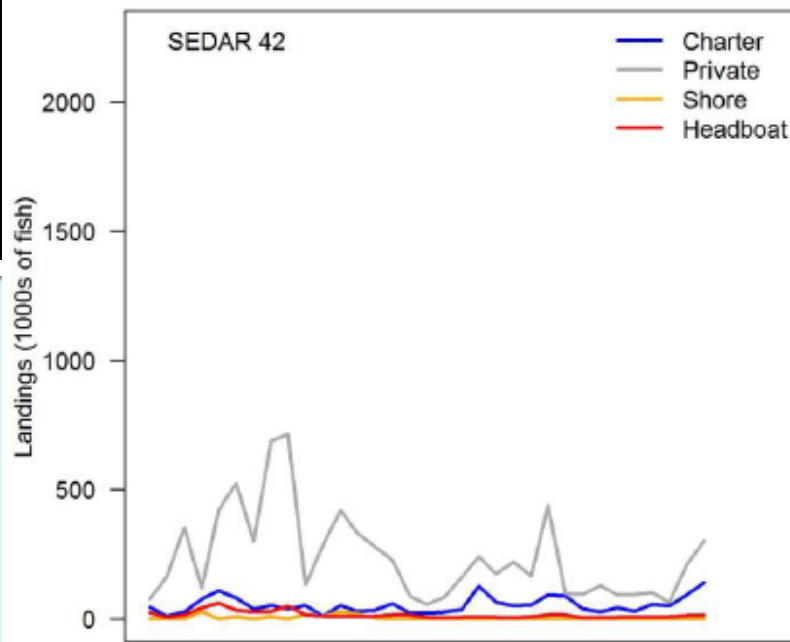
- Reef Fish Amendment 30B
  - Based on the average of landings from 1986 – 2005
    - Used MRFSS data from SEDAR 12
    - 2005 was the most recent year of data at the time
  - Result: 76% commercial, 24% recreational



# Red Grouper: Landings Comparison

- SEDAR 42 used MRIP CHTS with APAIS adjustment
  - No longer supported
- SEDAR 61 used MRIP-FES
  - Historical rec landings calibrated back to 1981
  - Larger proportion of total landings from private rec sector

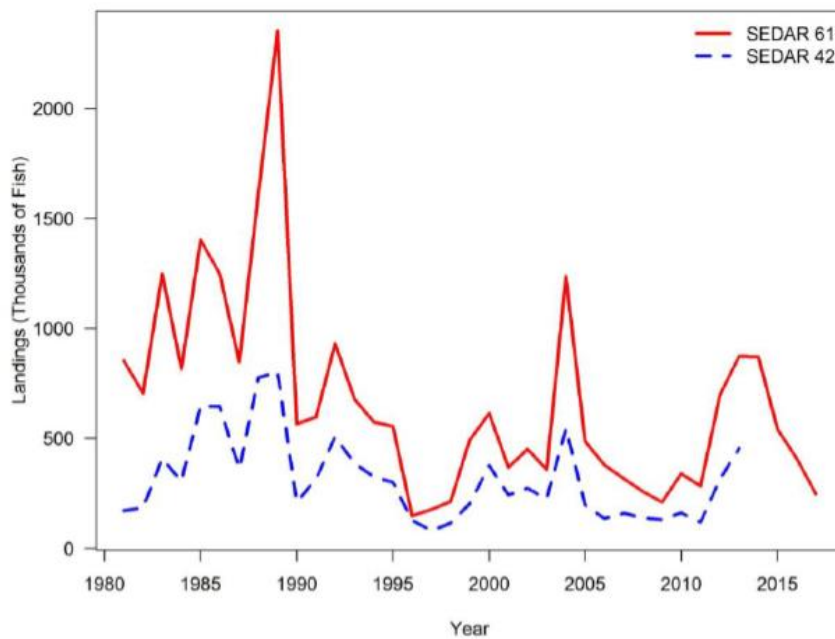




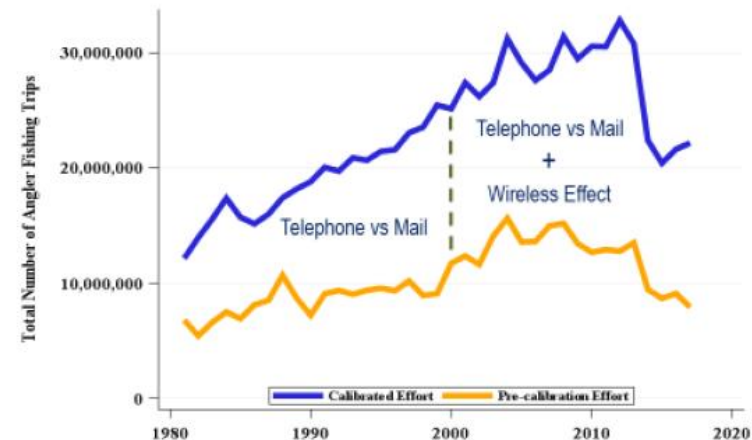
# Red Grouper: Landings Comparison

## Recreational Landings

- Single fleet recommended during SEDAR42 review

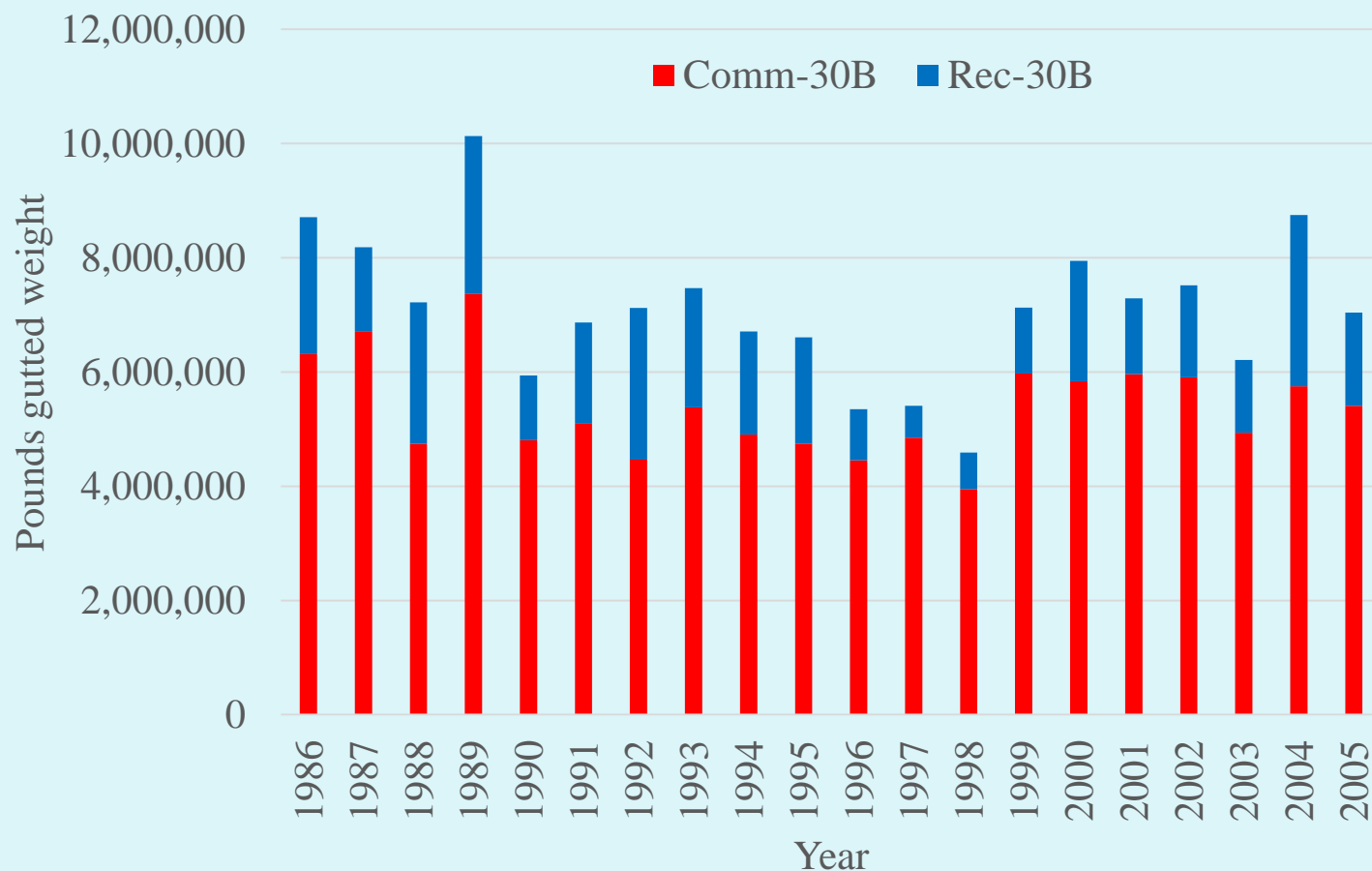


## Gulf of Mexico Private Boat Effort\*



\*Content borrowed from presentations OF MEXICO  
given to GMFMC SSC (Oct 2018)

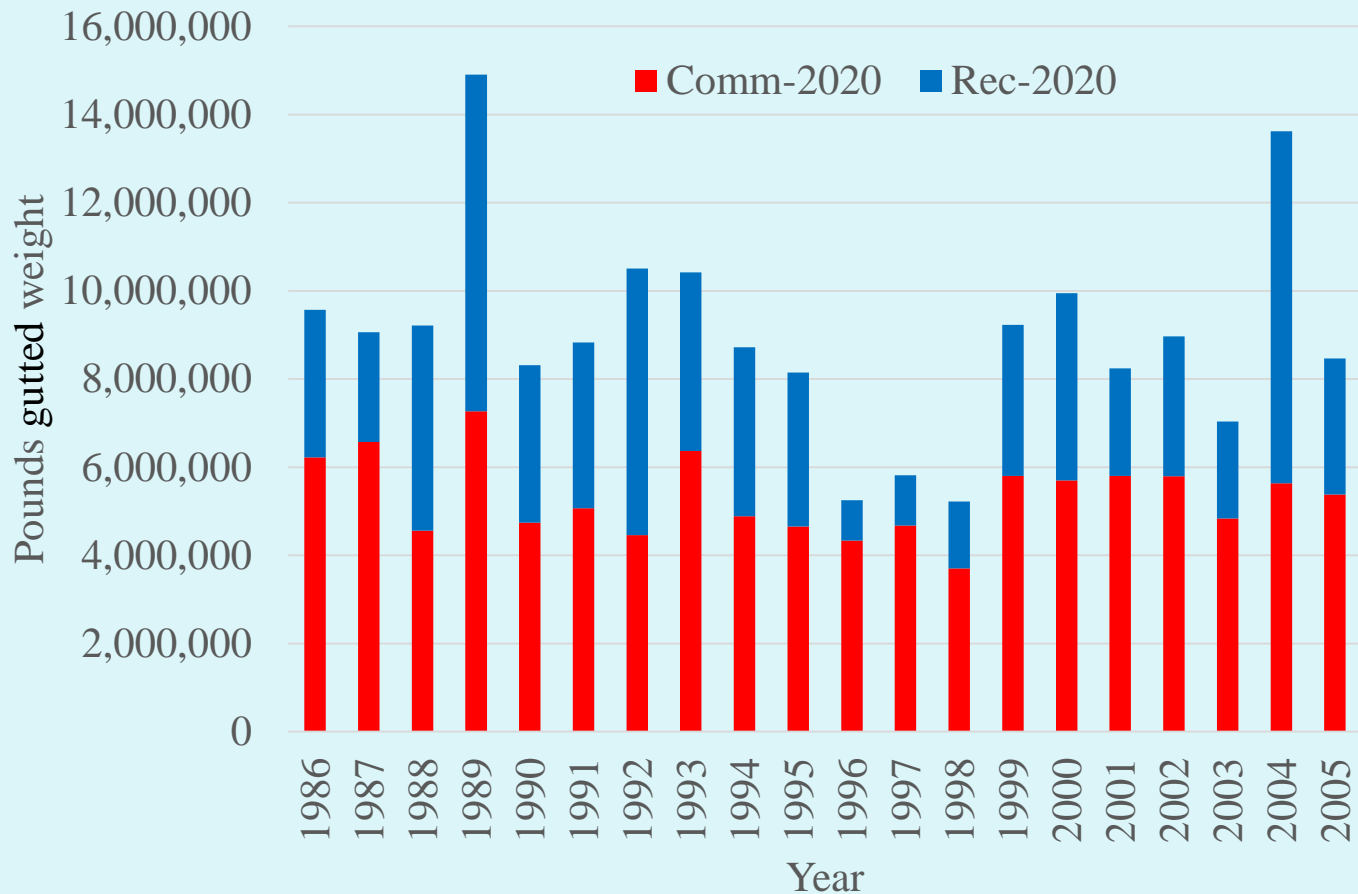
# Red Grouper: Landings Comparison



**Data: SEDAR 12 (MRFSS, Comm Logbooks), 2006**



# Red Grouper: Landings Comparison

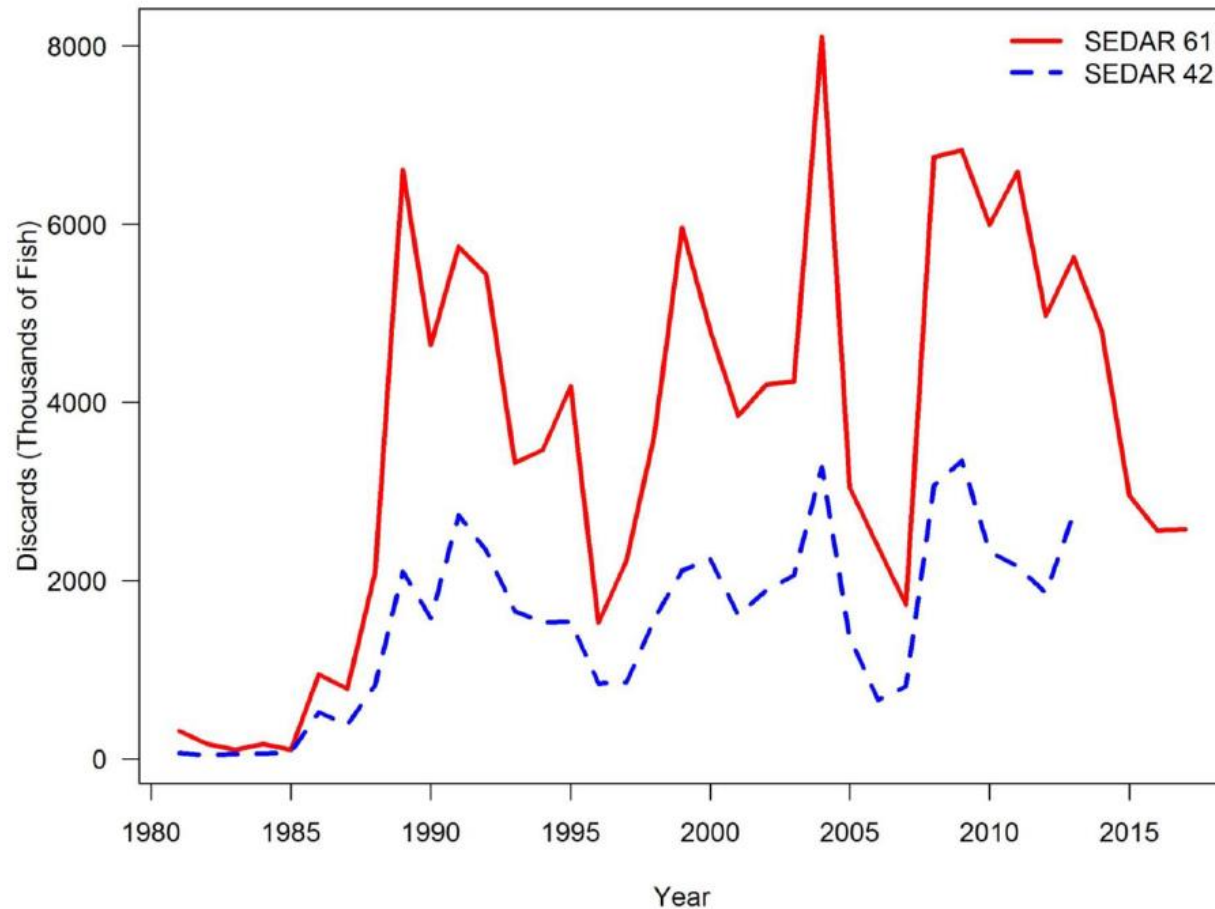


**Data: SERO ACL Monitoring (MRIP-FES, Comm Logbooks, Comm IFQ), as of May 2020**

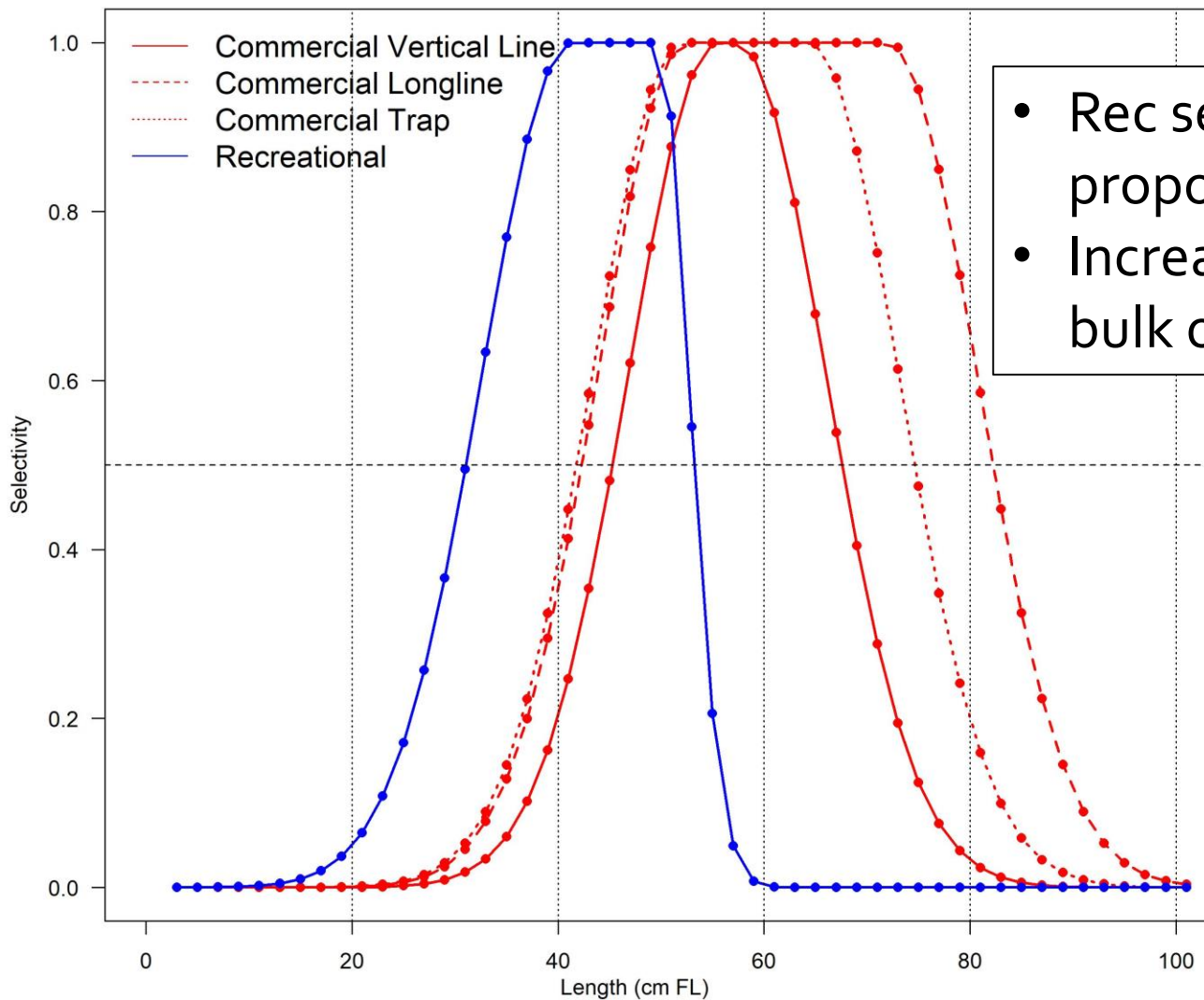


# Red Grouper: Discards Comparison

## Recreational Discards



# Red Grouper: Fleet Selectivity



- Rec sector selecting larger proportion of smaller fish
- Increases discards from bulk of stock biomass

# Red Grouper: SEDAR 61 Projections

## SSC Decisions from September 2019

- SEDAR61 model outputs based on MRIP-FES landings
- SSC recommended setting OFL and ABC under the assumption that the 2018 red tide event was similar in magnitude to the 2005 red tide event
  - Based on 76% commercial, 24% recreational

	Catch (Lbs)	2005
<b>OFL</b>	5,348,324	<b>0.500</b>
	5,190,960	0.427
	5,130,000	0.399
<b>ABC</b>	4,900,000	<b>0.300</b>

# Red Grouper: SEDAR 61 Projections

## Revisiting allocation following MRIP-FES Data

- Amendment 53 IPT work underway
- Discussions/Decisions:
  1. Which year range to use?
  2. Which year range to use?

Landings Time Series	Comm %	Rec %	Justification
1986-2005	59.3	40.7	Entire time series used in past
1986-2009	60.5	39.5	Time series pre-IFQ
1986-2018	59.7	40.3	Entire time series at present

# Red Grouper: SEDAR 61 Projections

Time Series	Allocation	OFL	ABC	Total ACL	Comm ACL	Rec ACL	Comm ACT	Rec ACT
<b>1986-2005, Unadjusted</b>	76% Commercial 24% Recreational	5.35	4.90	4.90	3.72	1.18	3.53	1.09
<b>1986-2005, Adjusted</b>	59.3% Commercial 40.7% Recreational	4.66	4.26	4.26	2.53	1.73	2.40	1.59
<b>1986-2009, Adjusted</b>	60.5% Commercial 39.5% Recreational	4.70	4.30	4.30	2.60	1.70	2.47	1.56
<b>1986-2018, Adjusted</b>	59.7% Commercial 40.3% Recreational	4.67	4.28	4.28	2.56	1.72	2.43	1.58

# Red Grouper: Effects on IFQ

- FES results increase estimate of historical biomass
- Without reallocation, commercial ACL/quota will increase
- With FES and status-quo allocation formula, commercial ACL/quota will remain unchanged
  - Pounds are the same; proportion of stock ACL is less
- Deviating from status quo allocation formula would have different results



# Questions?

