

- Catch composition (number and weight at length by sex) was fixed at what was observed
- Slot limits evaluated ranged from 14 to 21 inches and varied in size from 2 to 7 inches wide
- All fish within a simulated slot limit were deemed kept (no bag limit).

- Dead

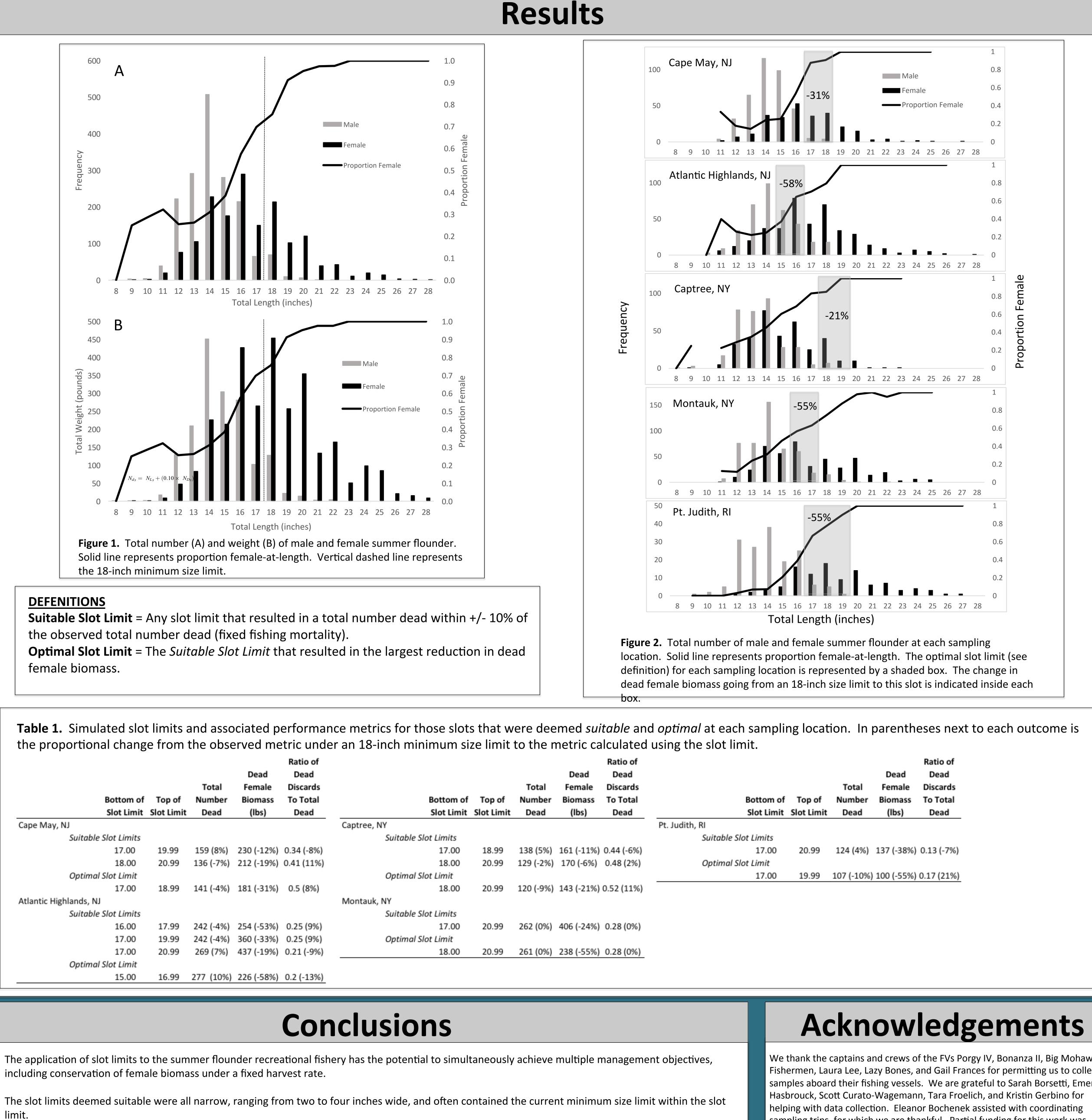
# **Evaluating The Potential For A Sex-Balanced Harvest Approach** In The Recreational Summer Flounder Fishery

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1. Total Number of Dead Fish (landings + dead discards)

2. Biomass of Dead Females

3. Ratio of Dead Discards to Total Number



- dynamics is warranted.

Total lumber Dead	Dead Female Biomass (Ibs)	Ratio of Dead Discards To Total Dead		Bottom of	Top of Slot Limit	Total Number Dead	Dead Female Biomass (Ibs)	Ratio of Dead Discards To Total Dead	
Dedd	(105)	Dead	Captree, NY	Siot Linit	5101 21111	bedu	(100)	Dedd	Pt. Judith, RI
			Suitable Sl	ot Limits					Suitabl
59 (8%)	230 (-12%)	0.34 (-8%)		17.00	18.99	138 (5%)	161 (-11%)	0.44 (-6%)	
36 (-7%)	212 (-19%)	0.41 (11%)		18.00	20.99	129 (-2%)	170 (-6%)	0.48 (2%)	Optima
			Optimal SI	lot Limit					
41 (-4%)	181 (-31%)	0.5 (8%)		18.00	20.99	120 (-9%)	143 (-21%)	0.52 (11%)	
			Montauk, NY						
			Suitable Sl	ot Limits					
42 (-4%)	254 (-53%)	0.25 (9%)		17.00	20.99	262 (0%)	406 (-24%)	0.28 (0%)	
42 (-4%)	360 (-33%)	0.25 (9%)	Optimal SI	ot Limit					
69 (7%)	437 (-19%)	0.21 (-9%)		18.00	20.99	261 (0%)	238 (-55%)	0.28 (0%)	

Optimal and suitable slot limits varied with sex and length composition at each sampling location.

Given several assumptions inherent in the analysis (ex. fixed fishing effort under alternative slots, fixed catch composition), results should be viewed as optimal given the observed catch composition for the year, locations, and modes sampled and further evaluation of interannual, spatial, and mode-specific







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