

2013 ACL estimate for South Atlantic red snapper

	2011	2012	
ABC	64000	86000	
Inseason Landings	0	14904	
Out of season landings	1950	1687	
Discards	59456	63925	
Closed season removals	61406	65612	
ABC yr-2	64000		
est CSR yr-2	61406		
(ABC yr-2 - est CSR yr-2)/ABC yr-2	4%		
ABC yr-1	86000		
est CSR yr-1	65612		
	24%		
$((\text{ABC yr-2} - \text{est CSR yr-2})/\text{ABC yr-2}) + ((\text{ABC yr-1} - \text{est CSR yr-1})/\text{ABC yr-1})/2$			13.9%
2013 ABC	96000		
2013 ACL	13325		<-- equals 13.9% of 96,000 fish ABC
rec ACL (n)	9584		<-- 71.93% allocated to recreational sector
comm ACL (n)	3740		<-- 28.07% allocated to commercial sector
comm ACL (lbs gw)	21447		<-- average wgt in 2013 = 5.734 lbs gw from projection 9 (c)

If total removals $_{yr-1} > ABC_{yr-1}$, then $ACL_{yr} = 0$

If total removals $_{yr-1} < ABC_{yr-1}$, then

$$ACL_{yr} = \left(\frac{ABC_{yr-2} - estCSR_{yr-2}}{ABC_{yr-2}} + \frac{ABC_{yr-1} - estCSR_{yr-1}}{ABC_{yr-1}} \right) / 2 \times ABC_{yr}$$

mode	landings (numbers)			ddiscards	total removals
	in season	out of season	total landed		
hb	1687	440	2127	2479	4606
private	10082	718	10800	42529	53329
charter	2128	4	2132	7132	9264
comm	1007	525	1532	11785	13317
total	14904	1687	16591	63925	80516