

Estimates of 2015 Biomass and Abundance

Data: 2015 Habcam data only (June 2015)
Recruit is in numbers (in millions)
Adult is in mt (biomass)
Biomass calculated using official method - GAM with ordinary krigging

	ET-Close Old Boundary	ET-Close New Boundary
Recruit (# in mill)	7,019	7,898
Total Recruit in ET (# in mill)	9,413	9,413
% Recruit Included in Close Area	75%	84%
Adult (biomass in mt)	7,577	13,516
Total Adult in ET (biomass in mt)	34,608	34,608
% Adult Included in Close Area	22%	39%

	CL2-S-EXT	CL2-S-AC	NLS-AC-S	NLS_NA	NLS_EXT	NLS-AC-N
Recruit (# in mill)	551	325	5701	10524	156	46
Adult (biomass in mt)	1026	3796	49	4377	337	1388

Note: 17% difference (12% of increase from expansion south, 5% from area to the west)

Breakpoint used for recruit 75 mm 75 mm 95 mm 95 mm 100 mm 100 mm 100 mm 100 mm
(based on natural break in shell height frequencies from dredge data)

Notes
survey done in june
fishing has occurred in July - today. Mostly in shallow areas near closure
Should assume that some amount of adult biomass in ET-Closed extension and CA2 extension has been removed already
May be informative to look at 2014 ETA biomass in this way to see what original closure was projected to protect in terms of % of total ETA recruits