

Sensitivity analysis to updated Japanese catch data

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Updated Japanese longline catch

- 2004 estimate (18,500 t) was approximately 23% less than the value provided for the assessment (24,000 t). J
- Japanese longline Catch for 2005 is based on monthly reporting and is therefore not effected by the updated data.
- The effort used for forward projections is also a function of the catch in 2004



Analysis

- Basecase catch for northern and southern Japanese longline fisheries were multiplied by 0.77 for all quarters.
- The effort is recalculated using the updated catch data and the projections conducted.



Results

	Basecase	New catch
MSY	106722	105575
B0	1080073	1077213
S0	2413	2407
Bmsy	326329	324629
Smsy	541	539
Bcur	358408	360472
Scur	475	480
Ccur	106720	106891
Bmsy/B0	0.30	0.30
Smsy/S0	0.22	0.22
Ccur/MSY	1.00	1.01
Bcur/Bmsy	1.10	1.11
Scur/Smsy	0.88	0.89
Fscale	0.68	0.69

Results

Year	Basecase			Updated Japanese catch			%change		
	End of year SBR	Purse seine	Longline	End of year SBR	Purse seine	Longline	End of year SBR	Purse seine	Longline
2004	0.15	68,074	43,534	0.15	68,072	38,426	0.02	0.00	-0.13
2005	0.20	71,370	34,213	0.20	71,370	34,384	0.01	0.00	0.00
2006	0.21	95,863	60,049	0.22	96,871	54,218	0.04	0.01	-0.11
2007	0.22	85,470	60,149	0.23	86,695	57,349	0.04	0.01	-0.05
2008	0.19	66,136	54,371	0.20	66,968	52,519	0.05	0.01	-0.04
2009	0.16	57,862	46,317	0.17	58,466	45,013	0.05	0.01	-0.03
2010	0.14	57,179	40,837	0.15	57,727	39,578	0.05	0.01	-0.03

