

TABLE 4.2.5-1. MSY control rule options for Pacific Sardine. All options evaluated in a stochastic model.

Option A (Status Quo)	Option B	Option C	Option D	Option E	Option F	Option G	Option H	Option I	Option J	Option K	Option L (Stochastic F _{MSY})	Option M (Determin. Equit. F _{MSY} in a Stochastic Model)
Overfishing Rate	50	50	50	50	50	50	50	50	50	50	50	50
Overfished Threshold (mt)	50	50	50	50	50	50	50	50	50	50	50	50
Control Rule Parameters												
FRACTION	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
CUTOFF	50	100	100	100	100	100	100	100	100	100	100	100
MAXCAT	400	400	400	400	400	400	400	400	400	400	400	400
Performance Measure												
Average Catch	151	159	165	171	177	179	169	169	145	141	180	170
Std. Dev. Catch	137	140	140	143	143	133	105	112	67	72	180	153
Mean Biomass	936	964	1,073	1,091	1,216	1,543	1,665	1,400	1,952	1,516	1,408	1,784
StdDev Biomass	27	27	29	28	32	39	42	37	49	43	39	43
Mean Log Catch	4.33	4.46	4.44	4.54	4.62	4.77	4.80	4.70	4.76	4.65	4.72	4.77
Mean Log Biom	6.24	6.37	6.50	6.59	6.74	7.06	7.15	6.89	7.34	6.87	6.89	7.24
Percent Years Biomass>400	61%	64%	70%	73%	81%	90%	92%	84%	96%	79%	84%	93%
Percent Years No Catch	5%	2%	7%	4%	2%	1%	0%	1%	0.5%	1%	0%	0%
Median Catch	103	104	119	121	131	140	156	158	182	188	128	127
Median Biomass	598	600	700	748	850	1,248	1,349	1,048	1,648	1,099	1,500	1,049