Component	Type	G25_05			22.03d5		
		included in optimization	Fits	Likelihood distribution	included in optimization	Fits	Likelihood distribution
TCF: retained catch	biomass	yes	males only	lognormal	yes	males only	lognormal
	size comp.s	yes	males only	multinomial	yes	males only	multinomial
TCF: total catch	biomass	yes	total	lognormal	yes	total	lognormal
	size comp.s	yes	by sex (extended)	multinomial	yes	by sex (extended)	multinomial
SCF: total catch	biomass	yes	total	lognormal	yes	total	lognormal
	size comp.s	yes	by sex (extended)	multinomial	yes	by sex (extended)	multinomial
RKF: total catch	biomass	yes	total	lognormal	yes	total	lognormal
	size comp.s	yes	by sex (extended)	multinomial	yes	by sex (extended)	multinomial
GF All: total catch	abundance	yes	total	lognormal	yes	total	lognormal
	biomass	yes	total	lognormal	yes	total	lognormal
	size comp.s	yes	by sex	multinomial	yes	by sex	multinomial
NMFS "M" survey (males only, no maturity)	biomass	yes	males only	lognormal	yes	males only	lognormal
	size comp.s	yes	males only	multinomial	yes	males only	multinomial
NMFS "F" survey (females only, w/ maturity)	biomass	yes	by maturity classification	lognormal	yes	by maturity classification	lognormal
	size comp.s	yes	by maturity classification	multinomial	yes	by maturity classification	multinomial
BSFRF "M" survey (males only, no maturity)	biomass	yes	males only	lognormal	yes	males only	lognormal
	size comp.s	yes	males only	D-M	yes	males only	D-M
BSFRF "F" survey (females only, w/ maturity)	biomass	yes	by maturity classification	lognormal	yes	by maturity classification	lognormal
	size comp.s	yes	by maturity classification	D-M	yes	by maturity classification	D-M
growth data	EBS only	no			yes	by sex	gamma
male maturity ogive data	EBS only	no			yes	males only	binomial