Assessment of () Assessment ID:IPHC-PHALNPAC-1988-2009-Parma Issue URL:

Area ID:

General assessment details.

Detail	Value
Management body	IPHC
Assessment group	International Pacific Halibut Commission
Assessment authors	Hare, Steven
Assessment method	an AD-Model builder statistical Catch at Age Model
Publication year	2009
Timeseries span	1988-2009
Document	hare-clark08.pdf (pdf in database)
Recorder	
Date entered	
Date last loaded	
QA/QC complete	
Date approved	

Biometrics provided. Note that the assumed timeseries to which the reference point pertains is indicated in parentheses.

primary LME	secondary LME	tertiary LME
2 - Gulf of Alaska	1 - East Bering Sea	na

SSB-AGE-yr 11.59 yr Flim-1/yr (F) available 1/yr SSB-SEX-sex 1 sex SSBlimit30%-MT 142758.76 MT REC-AGE-yr 8 yr SSBlimit20%-MT 106464.16 MT F-AGE-yr-yr 6+ yr-yr SSB0-MT (SSB) 531110.98 MT TB-AGE-yr 6 yr ERtarget-ratio 0.2 ratio A50-yr 11.59 yr ERcurrent-ratio 0.26 ratio L50-cm 97.63 cm NATMORT-1/yr (M) 0.15 1/yr NATMORT-1/yr 0.15 1/yr SPRF0-E01 (SPR) 29.82 E01 MT F40%-1/T 0.17 1/T	Parameter	Value	Units	Reference points			
SSB-SEX-sex 1 sex FIMI-1/yr (F) available 1/yr REC-AGE-yr 8 yr SSBlimit30%-MT 142758.76 MT F-AGE-yr-yr 6+ yr-yr SSBlimit20%-MT 106464.16 MT TB-AGE-yr 6 yr SSB0-MT (SSB) 531110.98 MT A50-yr 11.59 yr ERtarget-ratio 0.2 ratio L50-cm 97.63 cm NATMORT-1/yr (M) 0.15 1/yr NATMORT-1/yr 0.15 1/yr SPRF0-E01 (SPR) 29.82 E01 MT F40%-1/T 0.17 1/T	rarameter value omit	Ullits	Parameter	Value	Units		
	SSB-SEX-sex REC-AGE-yr F-AGE-yr-yr TB-AGE-yr A50-yr L50-cm M-1/yr NATMORT-1/yr	1 8 6+ 6 11.59 97.63 0.15	sex yr yr-yr yr yr cm 1/yr	SSBlimit30%-MT SSBlimit20%-MT SSB0-MT (SSB) ERtarget-ratio ERcurrent-ratio NATMORT-1/yr (M) SPRF0-E01 (SPR)	142758.76 106464.16 531110.98 0.2 0.26 0.15 29.82	MT MT MT ratio ratio 1/yr E01	

Time series minima and maxima								
	SSB	R	F	TB	Catch			
Minimum year	1996	1988	1996	1996	1996			
Maximum year	2009	2001	2008	2009	2008			
Time series minimum	161580.08	10022.68	0.123	175147.11	38462.26			
Time series maximum	248746.72	53885.1	0.26	352901.09	54902.89			
Units	MT	E03	ratio	MT	MT			

