

# Pacific Halibut Bycatch in IPHC Area 2A in the 2006 Groundfish Trawl Fishery

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# Three important changes in trawl management occurred in 2006

1. Less area was open to fishing prior to October, but considerably more area from October on.
2. Hence, the number of trawl hours shoreward of the RCA fell by ~1,200 from Jan. to Oct., but increased by ~1,600 from Sep. to Dec.
3. Trawling seaward of the RCA increased by ~2,800 hours, primarily due to the availability of petrale areas in Nov. and Dec.

Arrowtooth Catch (lb/h)	Latitude	Depth (fathoms)	Trawl effort (hours)		% change from 2005 to 2006
			2005	2006	
≤ 20	40.667 - 48.667	0 - 150	12,441	12,595	1%
		150 - 700	11,292	14,225	26%
		All depths	23,733	26,820	13%
> 20	40.667 - 48.667	0 - 150	6,986	7,236	4%
		150 - 700	8,659	8,547	-1%
		All depths	15,644	15,783	1%
Total	40.667 - 48.667	0 - 150	19,427	19,831	2%
		150 - 700	19,950	22,772	14%
		All depths	39,377	42,602	8%

Year	Trawl Effort (hours)	Total Halibut Mortality (lb, net)	Mortality (lb) per Trawl Hour	Legal-Sized Halibut Mortality (lb, net)	Legal-Sized / Total Halibut Mortality
2001	67,199	795,741	11.8	532,912	0.6697
2002	52,168	511,764	9.8	286,221	0.5593
2003	58,339	461,847	7.9	366,745	0.7941
2004	37,495	244,941	6.5	171,754	0.7012
2005	39,377	357,876	9.1	228,049	0.6372
2006	42,602	333,391 (134k-569k)	7.8	251,507 (99k-430k)	0.7544