

文章编号 : 1004 - 7271(2006) 04 - 0509 - 04
· 研究简报 ·

东太平洋金枪鱼延绳钓兼捕鲨鱼种类 及其渔获量分析

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摘 要 2003 年 7 月 - 11 月份期间, 对东太平洋公海海域(03°S ~ 17°S, 96°W ~ 146°W) 的超低温金枪鱼延绳钓兼捕鲨鱼进行调查。发现共兼捕到 9 种鲨鱼, 分别是尖吻鲭鲨、长鳍鲭鲨、鳐鲨、人眼长尾鲨、路氏双髻鲨、长鳍真鲨、镰状真鲨、大青鲨和黑异鳞鲨, 隶属于 3 目 6 科。共钓获鲨鱼 24 711 kg, 其中大青鲨是优势种类, 占鲨鱼渔获尾数的 50.4%, 占鲨鱼渔获总重量的 76.5%, 平均个体重量达到 64.9 kg。调查获得 9 种大洋性鲨鱼的渔获率, 其中以大青鲨的最高, 达到 0.964 尾数/千钩, 鳐鲨次之为 0.497 尾数/千钩, 其它鲨鱼的 CPUE 均在 0.200 尾数/千钩以下, 此外估计了东太平洋海域金枪鱼延绳钓兼捕鲨鱼总渔获量, 约在 4.0 ~ 5.9 万吨。

关键词 东太平洋公海; 金枪鱼; 延绳钓; 鲨鱼

中图分类号 S 932.4; S 972 文献标识码: A

Analysis on shark species and catch by tuna longline fishery in the Eastern Pacific Ocean

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Abstract During July-November, 2003, pelagic fish survey was conducted by tuna longliner covering areas of 03°S ~ 17°S, 96°W ~ 146°W. Sampling gear was longline fishing. Nine shark species, which belong to 3 order and 6 family, were identified as following: shortfin mako (*Isurus oxyrinchus*), longfin mako (*Isurus paucus*), crocodile shark (*Pseudocarcharias kamoharui*), bigeye thresher (*Alopias superciliosus*), scalloped hammerhead shark (*Sphyrna lewini*), ocean whitetip shark (*Carcharhinus longimanus*), silky shark (*Carcharhinus falciformis*), blue shark (*Prionace glauca*) and velvet dogfish *Zameus squamulosus*. The total shark catch was 24711 kg. Blue shark was dominant species, accounting for 50.4% of the total number of shark catch and for 76.5% of the total weight of shark catch. Average individual weight was 64.9 kg. The CPUEs of nine shark species are calculated. The highest CPUE was 0.964 per thousand hooks for blue shark and the second highest CPUE was 0.479 per thousand hooks for crocodile shark. The CPUE was below 0.200 per thousand hooks for other shark species. In addition, the total shark catch by longline fishery in the Eastern Pacific Ocean was estimated about 40 000 - 59 000 T.

Key words high seas of Eastern Pacific Ocean; tuna; longline fishing; sharks

收稿日期 2006-04-12

基金项目: 上海水产大学校长基金资助课题(02 - 48); 上海市重点学科建设项目资助(项目编号: T1101)

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