

ヤナギムシガレイ *Tanakius kitaharai* の採集個体数と遊泳行動の昼夜による違い

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Diel differences of catch, and swimming behavior in willowy flounder *Tanakius kitaharai*

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This paper describes the diurnal differences of catch trends and behavioral patterns of willowy flounder *Tanakius kitaharai*. A beam-trawl net equipped with an underwater video camera was used to investigate these changes in the *T. kitaharai* population off Tango Peninsula. The catch was smaller in the daytime than at night. The video footage revealed that approximately 80% of observed individuals swam at night and approximately 90% were at rest during the day. These results suggest that individuals of this species were rarely caught when they are settled on the sea bed. Therefore, the *T. kitaharai* catch in a beam-trawl net carried out during the day and catch efficiency during the night would underestimate the actual resources of this species.

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