harvest rate is the most difficult one to estimate. In Table 4 it is set as 1.0. Because the area is located between 7°-20°S latitude, it is suggested that the turnover rate would be high so that the estimate of 1.0 is probably reasonable.

The total potential catch from the area is estimated as 1,033,000 tons. However, the present catch is only 84,000 tons, 8 per cent of the total potential catch.

SUMMARY AND RECOMMENDATION

The results so far obtained are summarized as follows: the species composition of each region reveals a great diversity in species composition without any being really dominant; the total stock size of the area is estimated as 2,066,000 tons, where the potential harvest is estimated to be 1,033,000 tons. The stock density of the regions are from 20 to 25 kg/ha. The present catch from the area is about 84,000 tons.

The estimated stock density of the area are quite the same as that of the South China Sea (Sindo, 1973). However, the area has not been exploited for quite a long time and the present catch is only about 8 per cent of the estimated potential harvest. Therefore, we recommended that the fishing activities in this area can be more intensively.

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澳洲北、西北部海域的底棲魚類資源

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摘　要

根據臺灣雙船拖網漁船於 1973～1974 年間，在澳洲北、西北部底拖網漁場作業之成績報告書整理所得之漁獲統計資料，著者於本文探討此漁場之魚種組成，並評估其底棲魚類資源。

在魚種組成上，本漁場之魚種雜多，而無顯然的優勢種存在。估計本漁場之現存資源量約爲 2,066,000 公噸，而年間可能的漁獲量約爲 1,033,000 公噸。

目前在本漁場作業者絕大部分爲臺灣之拖網漁船，年間漁獲量爲 84,000 公噸。