



Northern Prawn **FISHERY**

Data Summary 2022



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Northern Prawn Fishery Data Summary 2022

NPF Industry Pty Ltd on behalf of the Australian Fisheries Management Authority (AFMA)
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Northern Prawn Fishery Data Summary 2022

Preface

Scope of the Report

This document summarises catch and effort information for the Northern Prawn Fishery (NPF) in 2022, including data relating to interactions with threatened, endangered and protected (TEP) species. The data summary provides an important mechanism for providing feedback to stakeholders on logbook data received by AFMA. In addition, the process of data extraction and analysis assists in identifying data quality issues where they exist and also assists in ensuring that data needs for fisheries management continue to be met.

AFMA has produced data summary reports for the NPF on an annual basis since 1999. As part of the AFMA/NPF co-management arrangements in the NPF, this is the fifteenth year NPF Industry Pty Ltd has been responsible for development of the data summary.

Acknowledgements

Production of this report was made possible through the efforts of the skippers, vessel owners and Crew Member Observers of the NPF. Skippers supplied daily logbook information and vessel owners completed Seasonal Landing Returns. Crew Member Observers supplied information on interactions with TEP species and species identified as potentially high-risk. This was done on a voluntary basis while Crew Member Observers were undertaking their daily duties. Thanks to staff from Datafix Canberra for processing of log sheets, elogs and Seasonal Landing Returns. Thanks also to staff from AFMA's Data Management section for their review and assistance with data management activities.

If you have any comments or queries on this, or any other data summaries, please do not hesitate to contact:

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Also note that this Data Summary is available on AFMA's website at <http://www.afma.gov.au/fisheries/northern-prawn-fishery/data-summaries/>.

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Introduction

The Northern Prawn Fishery Data Summary 2022 contains catch and effort statistics by prawn species, area, time and fishery. Comprehensive byproduct information is also included for the information of stakeholders and to meet AFMA's obligations under Offshore Constitutional Settlement agreements with Queensland, the Northern Territory and Western Australia. Interactions with Threatened, Endangered and Protected (TEP) species are also reported.

Description of the Northern Prawn Fishery

Area of Fishery

The Northern Prawn Fishery (NPF) is located off Australia's northern coast, and extends from the low water mark to the outer edge of the Australian Fishing Zone (AFZ) in the area between Cape York in Queensland and Cape Londonderry in Western Australia (Figure 1).

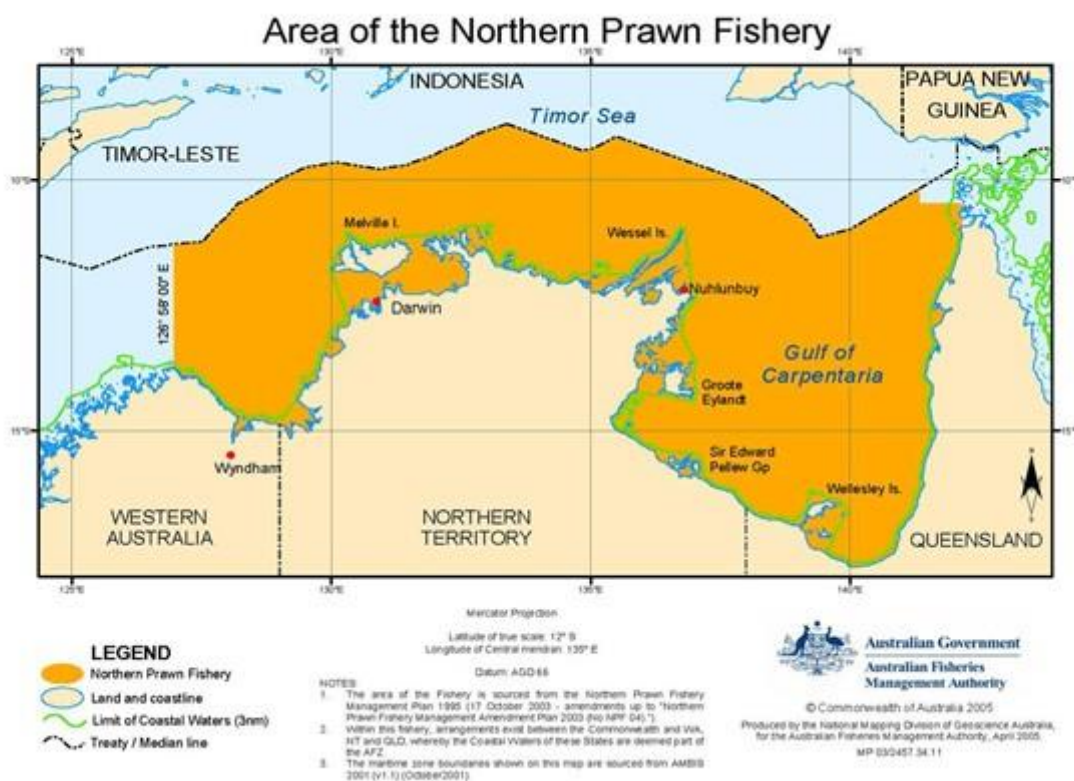


Figure 1: Northern Prawn Fishery Management Area.

Fishing Methods

Prawn trawling is an active fishing method which involves towing a conical-shaped net spread open by two or four steel or timber otter boards over the seabed, commonly called otter trawling. Ground chains are also used on the nets to stimulate prawns into the trawl mouth. Vessels in the NPF may tow a range of nets in a variety of configurations. These are regulated by the *Northern Prawn Fishery Management Plan 1995* (the Management Plan) and relevant Determinations and Directions. In addition to the main nets, a small 'try-net' is also used to test the potential catches for a given area. All trawl nets in the NPF (other than try-nets)

are required to be fitted with approved Turtle Excluder Devices (TEDs) and Bycatch Reduction Devices (BRDs), however TEDs are not required if operators are fishing in waters deeper than 200 m.

Most of the vessels in the NPF are purpose built from steel and range in length from 17 m to 30 m. All NPF boats have modern and sophisticated catch handling, packing and freezing capabilities as well as wet (brine) holding facilities. All vessels use electronic aids such as colour echo sounders, Global Positioning Systems (GPS) and plotters. Satellite phones and fax equipment are used by most vessels and most have introduced on-board computing facilities, electronic logbooks and Wi-Fi. All vessels are required to have a Vessel Monitoring System (VMS) installed.

Management Information

The NPF is managed through a combination of input controls (limited entry, seasonal closures, permanent area closures, gear restrictions and operational controls) that are implemented under the Management Plan.

The Management Plan provides for the granting of fully transferable Statutory Fishing Rights (SFRs) that determine the number of trawlers that may operate (Class B SFRs) and the amount of gear (gear SFRs) used in the Fishery. In 2001, the Management Plan was amended to allow the total gear pool to be set by a Determination. The gear SFR is set as an amount of headrope length, which can be varied depending on the stock status and economic indicators.

In 2002, measures were introduced to reduce effort by 40% on Tiger Prawn stocks. This was achieved by shortening the fishing seasons and a 15% reduction in the value (in centimetres) of a gear SFR. An additional 25% reduction in gear SFR value occurred in 2005, reducing the total number of Class B SFRs to 94.

In 2006/07, 43 Class B SFRs and 18,365 Gear SFRs (approximately 34% of the effective effort) were removed from the NPF through the Commonwealth Government's Structural Adjustment Package. The fishery is now comprised of 52 vessels (Boat SFRs) and 35,479 headrope units (Gear SFRs) - the optimal number estimated by the Australian Bureau of Agricultural and Resource Economics and Science (ABARES) to achieve Maximum Economic Yield (MEY) in the NPF.

In 2007, the industry formed 'NPF Industry Pty Ltd' (NPFi), an industry representative body that incorporates approximately 95% of NPF SFR holders.

An 8% increase in effort was implemented in the 2008 Tiger Prawn season as recommended by the Northern Prawn Fishery Management Advisory Committee (NORMAC) in response to the smaller fleet size. This was effected by increasing the value of NPF gear SFRs from 5.625 cm to 7.481 cm and permitting concession holders to use quad gear (with a 10% penalty applied).

In 2008, NPFi voluntarily introduced catch triggers to determine the closing dates for both the banana and Tiger Prawn seasons. A catch trigger of 500 kg per boat/day and specific weekly reporting periods were put in place for the Banana Prawn season. A total catch limit of 24 tonnes of Tiger Prawns by the end of the fourth fishing week also applied. A catch trigger of 300 kgs per boat/day over a one week reporting period was implemented for the Tiger Prawn season.

In 2009, the Tiger Prawn season was increased by four weeks based on the outputs of the 2008 Tiger Prawn stock assessment, resulting in the season commencing on 25 July and closing on 19 December. This was the first time since the introduction of the mid-year closure in 1987 that the Tiger Prawn season commenced prior to 1 August.

In 2010, NPFI voluntarily increased the banana and Tiger Prawn catch reporting periods to two weeks, and increased the catch trigger for the Tiger Prawn season to 350 kgs per boat/day.

In 2011, the Banana Prawn season was extended by two weeks to enable industry to make optimal use of an expected large available biomass of Banana Prawns resulting from favourable environmental conditions. Due to improvements in the Tiger Prawn stock assessment, it was also agreed that Tiger Prawns could be targeted in the Banana Prawn season from 1 May. An on-going decision rule was put in place to close Banana Prawn fishing west of 138° and to prevent daylight trawling east of this location to protect Banana Prawns if average daily catches did not meet a trigger of 500 kg per boat/day during the two week reporting period.

A Maximum Economic Yield (MEY) Banana Prawn catch trigger was implemented in 2014 as part of the future management regime for the Banana Prawn fishery. The decision rule closes the fishery west of 138°, and prohibits daylight trawling east of 138° if catches fall below the MEY trigger value which is calculated in-season based on catch, cost and price information provided by industry. There is also restriction placed on the trigger value to minimise large change in allowable effort, with a minimum MEY catch trigger of 425 kgs (per boat per day) in any two week catch reporting period.

In 2016, the MEY Banana Prawn catch trigger was not met in the third reporting period of the Banana Prawn season and the fishery was closed west of 138° from 9 June to protect the remaining Banana Prawn stocks. A daylight trawl ban east of 138° was also implemented until 15 June (when the season ended) to allow for night Tiger Prawn fishing. The 2016 Tiger Prawn season operated from 1 August to 20 November, closing early due to lower catches and the early closure decision rule being triggered.

In the 2017 and 2018 Banana Prawn season the MEY catch trigger was exceeded in all reporting periods and the fishery closed on the scheduled date of 15 June. The Tiger Prawn seasons in 2017 and 2018 operated from 1 August to 20 November, closing early due to lower catches and the early closure decision rule being triggered.

In 2019, catch triggers were met during both the Banana Prawn and Tiger Prawn seasons.

In 2020, the MEY Banana Prawn catch trigger was not met in the third reporting period of the Banana Prawn season and the fishery was closed west of 138° from 9 June. The daylight trawl ban east of 138° was then implemented until 15 June (when the season ended, 76 fishing days available) to allow for night Tiger Prawn fishing. The Tiger Prawn season operated from 1 August to 20 November (112 fishing days available), closing early due to lower catches and the early closure decision rule being triggered.

A new closure was implemented in the 'JBG box' in the 2021 banana prawn in response to concerns about the stock status and economic return from the red legged banana prawn fishery. It was agreed that the first season JBG box closure would remain in place for the duration of the banana prawn season for 5 consecutive years.

In 2021, the MEY Banana Prawn catch trigger was not met at the end of the third reporting period of the Banana Prawn season and the fishery was closed west of 138° from 9 June 2021, with the season ending 15th of June 2021. The Tiger Prawn season operated from 1 August to 20 November closing early due to lower catches and the early closure decision rule being triggered.

In 2022, the MEY Banana Prawn catch trigger was not met at the end of the third reporting period during the Banana Prawn season and the fishery was closed west of 138° from 9 June 2022, with the season ending 15th of June 2021. The 2022 tiger prawn fishery closed one month early (on 31st October) on

agreement from the NPFI, NPRAG, NORMAC and the AFMA Commission that it would be prudent to reduce effort on tiger prawns as a one-off precautionary measure in 2022, particularly given the stock status and the high fuel prices which are impacting fishery economics and the trajectory to MEY.

Species

The NPF targets eight commercial species of prawns including White Banana (*Penaeus merguensis*), Redleg Banana (*P. indicus*), Brown Tiger (*P. esculentus*), Grooved Tiger (*P. semisulcatus*) (Ma *et al.* 2011), Blue Endeavour (*Metapenaeus endeavouri*), Red Endeavour (*M. ensis*), King Prawns (*Melicertus* sp.). Leader Prawns or Black Tiger Prawns (*P. monodon*), Scampi, Squid, Scallops and Bugs are also taken.

Data Collection Program

In 2022, NPF operators completed the 'Northern and Torres Strait Prawn Fisheries Daily Fishing Log' (NP16) paper logbooks or electronic logs (e-logs) on a daily basis with 94% (49 operators) using e-logs in both fishing seasons. Both paper logbook and e-log data is included in this data summary.

Methods Used For Preparing Data Summary

The data used to prepare the Northern Prawn Fishery Data Summary is comprised of logbook information (NP16 and e-log) submitted by NPF skippers and the Seasonal Landing Returns (SLR-T01) completed by SFR holders.

The data used in this summary was extracted during February 2023 after making every effort to reconcile the data provided by skippers with that obtained from vessel owners. This was to ensure that the logbook data and the landings figures approximated each other as closely as possible.

On average, logbook catches of Banana Prawns were underestimated by 2.23% when compared to Seasonal Landing Returns (SLR) for the Banana Prawn season, with the greatest discrepancy being 25.96% (one vessel) for the Banana Prawn season. On average the Tiger Prawn catches were within 0.92% of catches recorded in the SLR for the Tiger Prawn season, with the greatest discrepancy being a 12.65% underestimate (one vessel) in the logbook data for the Tiger Prawn season.

The catch and effort estimates in Table 1 and Figure 2 were derived from a combination of logbook and SLR figures. The remainder of the tables and figures in the Summary represent logbook data only. This may cause discrepancies between totals. Minor discrepancies may also occur due to rounding of values. Catch per Unit Effort (CPUE) is calculated by catch per fishing day (as reported by a skipper in the logbook) and does not include searching.

Banana and Tiger Prawn Fishery Components

Fishery statistics have been split into banana and Tiger Prawn fishery components according to the composition of the catch in logbook records. If half or more of a vessel's daily catch was Banana Prawns or there was no prawn catch and the vessel was fishing, the vessel was defined as operating in the Banana Prawn fishery on that day; otherwise it was defined as operating in the Tiger Prawn fishery.

Banana Prawn fishery catch is the catch of all species (all Banana Prawn species + all Tiger Prawn species + all Endeavour Prawn species + King Prawns) when a vessel is defined as fishing in the Banana Prawn fishery. Likewise, Tiger Prawn fishery catch is the catch of all species when a vessel is defined as operating in the Tiger Prawn fishery.

Catch and Effort Data for the Northern Prawn Fishery

Catch

The total NPF prawn catch for 2022 was 5,417 t compared to 5,146 t in 2021 (Table 1). The total catch of Banana Prawns increased from 3,661 t in 2021 to 4,100 t 2022 (Figure 2, Table 1). The total catch of Tiger Prawns decreased from 1,026 t in 2021 to 918 t (Figure 2, Table 1). Catches of Endeavour Prawns decreased from 444 t in 2021 to 377 t in 2022 (Figure 2, Table 1). Catches of King Prawns increased from 16 t in 2021 to 22 t in 2022.

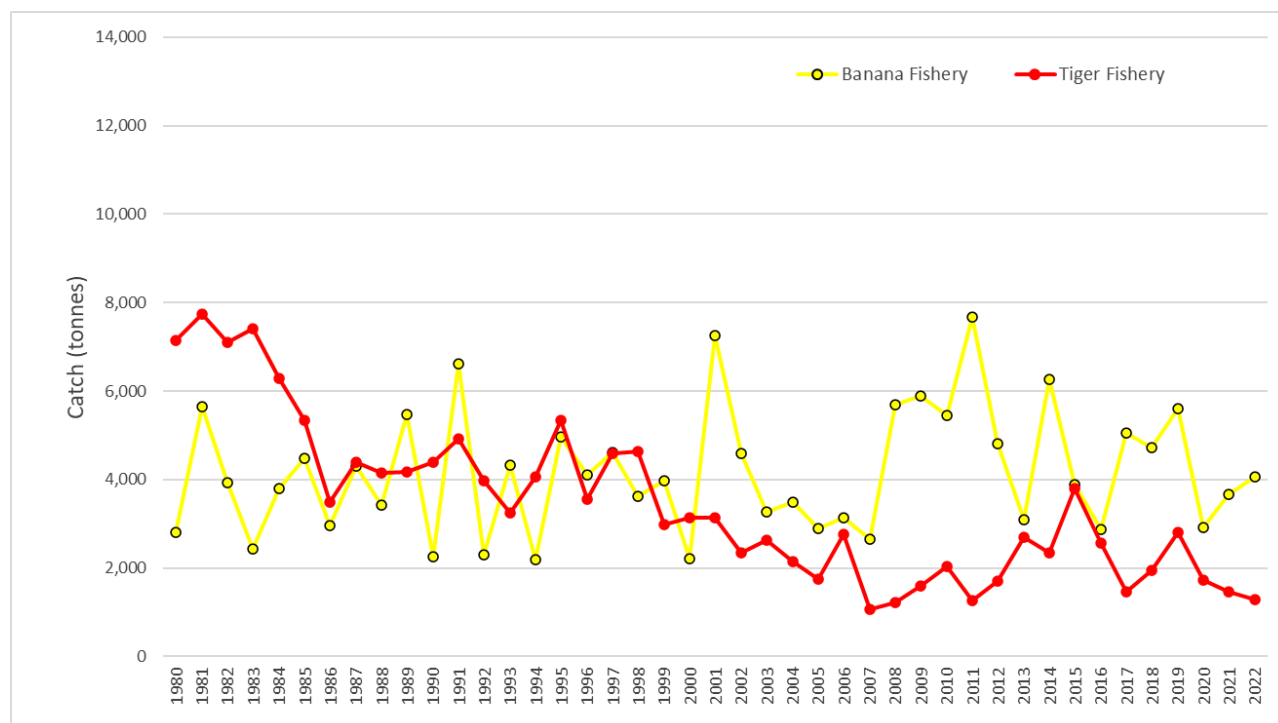


Figure 2: Catch in the banana and Tiger Prawn fisheries between 1980 and 2022.

Table 1: Annual reconciled landings*, effort and vessel number in the NPF from 1970 to 2022.

| Year | Banana (t) | Tiger (t) | Endeavour (t) | King (t) | Total Catch (t) | No. of Vessels | Banana Fishery Effort (days) | Tiger Fishery Effort (days) |
|------------------|------------|-----------|---------------|----------|-----------------|----------------|------------------------------|-----------------------------|
| 1970 | 1,702 | 1,138 | 417 | 0 | 3,257 | 191 | 2,041 | 5,818 |
| 1971 | 7,364 | 1,183 | 400 | 0 | 8,948 | 169 | 5,571 | 6,057 |
| 1972 | 4,801 | 1,380 | 472 | 0 | 6,654 | 180 | 4,327 | 7,380 |
| 1973 | 4,226 | 1,672 | 594 | 0 | 6,492 | 217 | 4,917 | 7,362 |
| 1974 | 12,711 | 666 | 434 | 4 | 13,815 | 196 | 7,537 | 3,439 |
| 1975 | 3,160 | 973 | 444 | 6 | 4,583 | 107 | 5,361 | 6,010 |
| 1976 | 4,519 | 1,118 | 675 | 5 | 6,319 | 145 | 7,238 | 6,660 |
| 1977 | 6,345 | 2,900 | 1,125 | 28 | 10,398 | 193 | 7,257 | 11,673 |
| 1978 | 2,535 | 3,599 | 1,240 | 82 | 7,456 | 237 | 5,569 | 18,749 |
| 1979 | 4,775 | 4,218 | 1,213 | 94 | 10,300 | 240 | 7,328 | 17,791 |
| 1970-'79 average | 5,214 | 1,885 | 701 | 22 | 7,822 | 188 | 5,715 | 9,094 |
| 1980 | 2,835 | 5,124 | 1,891 | 111 | 9,964 | 269 | 8,391 | 30,594 |
| 1981 | 5,672 | 5,559 | 2,073 | 95 | 13,400 | 286 | 11,524 | 31,895 |
| 1982 | 3,875 | 4,891 | 2,124 | 144 | 11,036 | 271 | 8,751 | 32,956 |
| 1983 | 2,382 | 5,751 | 1,488 | 207 | 9,831 | 254 | 6,856 | 34,551 |
| 1984 | 3,770 | 4,525 | 1,714 | 83 | 10,095 | 252 | 5,932 | 32,447 |

| Year | Banana (t) | Tiger (t) | Endeavour (t) | King (t) | Total Catch (t) | No. of Vessels | Banana Fishery Effort (days) | Tiger Fishery Effort (days) |
|------------------|------------|-----------|---------------|----------|-----------------|----------------|------------------------------|-----------------------------|
| 1985 | 4,469 | 3,592 | 1,671 | 77 | 9,811 | 231 | 6,946 | 26,516 |
| 1986 | 2,935 | 2,682 | 748 | 85 | 6,451 | 238 | 7,132 | 26,669 |
| 1987 | 4,257 | 3,617 | 772 | 65 | 8,713 | 234 | 7,954 | 22,478 |
| 1988 | 3,381 | 3,458 | 669 | 81 | 7,591 | 222 | 6,655 | 26,264 |
| 1989 | 5,466 | 3,173 | 909 | 85 | 9,636 | 223 | 7,439 | 27,036 |
| 1980-'89 average | 3,904 | 4,237 | 1,406 | 103 | 9,653 | 248 | 7,758 | 29,141 |
| 1990 | 2,221 | 3,550 | 735 | 128 | 6,636 | 200 | 5,044 | 25,525 |
| 1991 | 6,605 | 3,987 | 879 | 81 | 11,554 | 172 | 6,515 | 20,744 |
| 1992 | 2,254 | 3,084 | 880 | 47 | 6,267 | 170 | 5,132 | 21,789 |
| 1993 | 4,292 | 2,515 | 733 | 35 | 7,572 | 127 | 6,299 | 16,019 |
| 1994 | 2,157 | 3,162 | 872 | 72 | 6,263 | 128 | 4,955 | 18,592 |
| 1995 | 4,961 | 4,125 | 1,150 | 58 | 10,294 | 125 | 4,880 | 16,834 |
| 1996 | 4,078 | 2,311 | 1,235 | 41 | 7,665 | 127 | 5,525 | 16,635 |
| 1997 | 4,587 | 2,694 | 1,870 | 51 | 9,202 | 129 | 5,476 | 15,385 |
| 1998 | 3,569 | 3,218 | 1,322 | 20 | 8,123 | 130 | 5,301 | 18,003 |
| 1999 | 3,904 | 2,136 | 885 | 21 | 6,947 | 129 | 5,639 | 12,675 |
| 1990-'99 average | 3,863 | 3,078 | 1,056 | 55 | 8,052 | 144 | 5,477 | 18,220 |
| 2000 | 2,195 | 2,190 | 958 | 13 | 5,335 | 121 | 3,697 | 12,736 |
| 2001 | 7,245 | 1,983 | 1,157 | 4 | 10,389 | 118 | 6,247 | 10,440 |
| 2002 | 4,577 | 1,943 | 411 | 5 | 6,936 | 114 | 4,148 | 8,718 |
| 2003 | 3,238 | 2,222 | 435 | 4 | 5,898 | 97 | 4,114 | 8,503 |
| 2004 | 3,520 | 1,767 | 396 | 3 | 5,686 | 96 | 3,985 | 7,793 |
| 2005 | 2,901 | 1,744 | 281 | 20 | 4,946 | 89 | 3,364 | 7,967 |
| 2006 | 3,117 | 1,802 | 363 | 28 | 5,310 | 77 | 3,283 | 6,983 |
| 2007 | 2,902 | 1,192 | 196 | 20 | 4,310 | 51 | 2,696 | 4,829 |
| 2008 | 5,816 | 1,021 | 213 | 7 | 7,058 | 53 | 3,347 | 4,556 |
| 2009 | 5,881 | 1,250 | 346 | 7 | 7,483 | 55 | 3,095 | 4,889 |
| 2000-'09 average | 4,139 | 1,711 | 476 | 11 | 6,335 | 87 | 3,798 | 7,741 |
| 2010 | 5,642 | 1,628 | 429 | 12 | 7,711 | 52 | 3,146 | 4,898 |
| 2011 | 7,141 | 749 | 437 | 8 | 8,335 | 55 | 3,440 | 4,143 |
| 2012 | 4,901 | 1,203 | 487 | 11 | 6,601 | 52 | 2,526 | 5,521 |
| 2013 | 3,050 | 2,215 | 508 | 29 | 5,802 | 52 | 2,005 | 5,908 |
| 2014 | 6,330 | 1,708 | 675 | 12 | 8,725 | 52 | 3,100 | 5,045 |
| 2015 | 3,852 | 3,186 | 554 | 38 | 7,630 | 52 | 2,197 | 6,036 |
| 2016 | 2,904 | 2,158 | 374 | 32 | 5,468 | 52 | 1,980 | 5,900 |
| 2017 | 5,069 | 1,087 | 382 | 7 | 6,545 | 52 | 2,702 | 4,716 |
| 2018 | 4,786 | 1,473 | 492 | 12 | 6,763 | 52 | 2,555 | 5,433 |
| 2019 | 5,741 | 2,088 | 667 | 53 | 8,549 | 52 | 2,343 | 5,750 |
| 2010-'19 average | 4,942 | 1,749 | 500 | 21 | 7,213 | 52 | 2,599 | 5,335 |
| 2020 | 2,969 | 1,368 | 365 | 10 | 4,712 | 52 | 1,886 | 5,344 |
| 2021 | 3,661 | 1,026 | 444 | 16 | 5,146 | 52 | 2,454 | 4,654 |
| 2022 | 4,100 | 918 | 377 | 22 | 5,417 | 52 | 2,316 | 3,633 |

* Note: Catch data is extracted from Seasonal Landing Returns (SLRs).

Catch by week

Figures 3 (a), (b) and (c) show the catch of banana and Tiger Prawns by week during 2022, 2021 and 2020. Highest Banana Prawn catches were recorded in the first week of 2022 with 1,186 t. Banana Prawn catches in the first fishing season of 2022 ('Banana Prawn season') experienced a steady decline over the 11 weeks. In the second fishing season (Tiger Prawn season), the initial 5 weeks saw alternating catches of banana and tiger prawns, with tiger prawn catches progressively increasing from week 6 onwards. Tiger prawn catch in the second season were greatest during weeks 8, 9 and 10 where 85t, 88t, and 84t were caught.

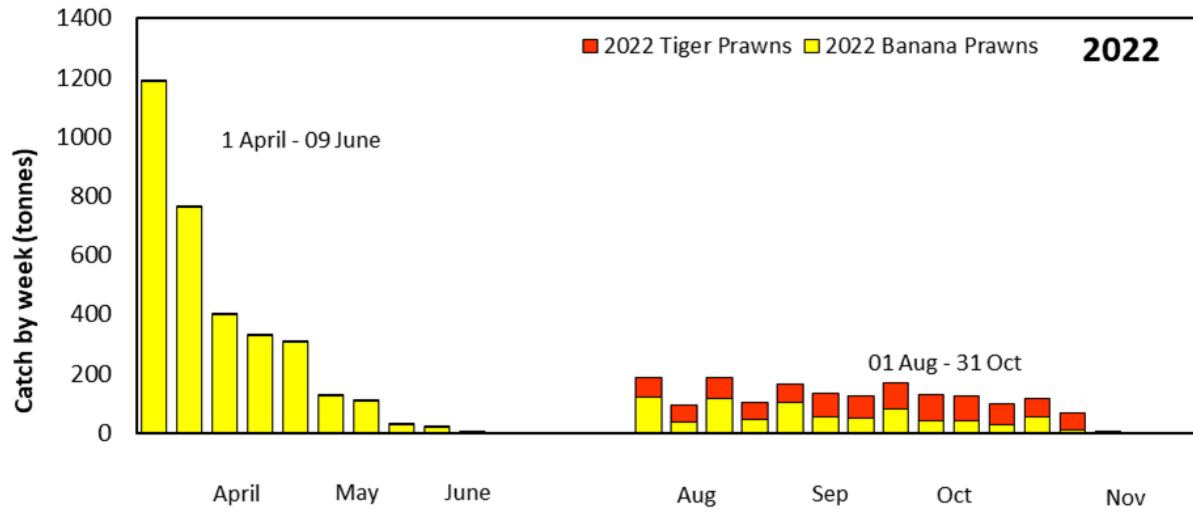


Figure 3a: Weekly catches of banana and Tiger Prawns (t) in the NPF in 2022.

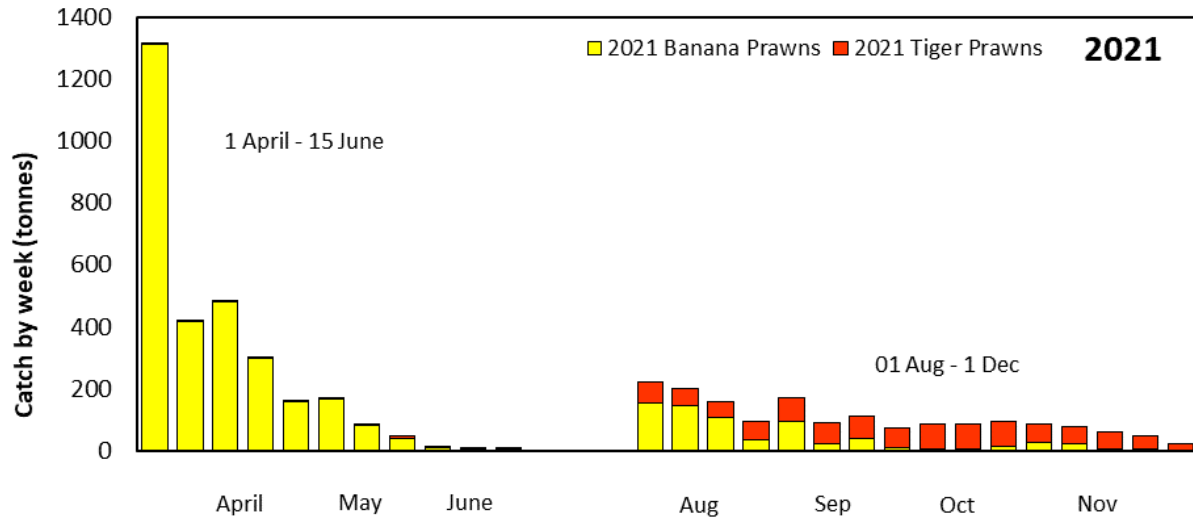


Figure 3b: Weekly catches of banana and Tiger Prawns (t) in the NPF in 2021.

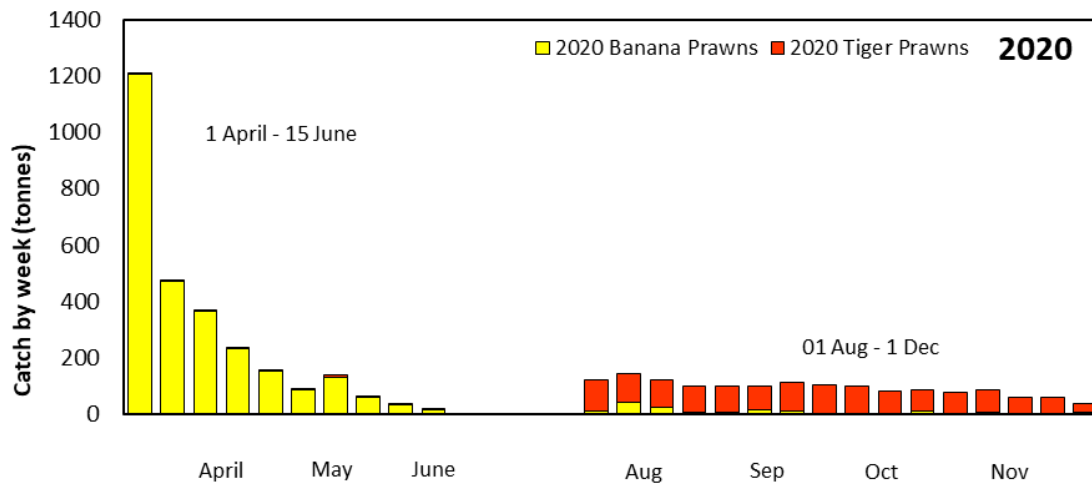


Figure 3c: Weekly catches of banana and Tiger Prawns (t) in the NPF in 2020.

Effort

Nominal and effective effort

Nominal effort is the number of days recorded by skippers in their logbooks. Effective effort applies only to the Tiger Prawn fishery and based on the assumption that there has been an ‘effort creep’ (an increase in effectiveness of the gear utilised and fishing operations). Several different approaches are being used by the Northern Prawn Fishery Resource Assessment Group (NPRAG) to account for effort creep, including using an average 5% increase per year on nominal effort to determine effective effort, as well as variable effort creep. As in previous years, for the purpose of preparing this report we have used 5%. Nominal effort in the Banana Prawn fishery decreased by 138 days (6%) in 2022 compared to 2021 (Figure 4). In the Tiger Prawn fishery, nominal effort decreased by 1021 days (22%) in 2022 compared to 2021. Effective effort in the Tiger Prawn fishery decreased by 3290 days (18%) compared to 2021 (Figure 4).

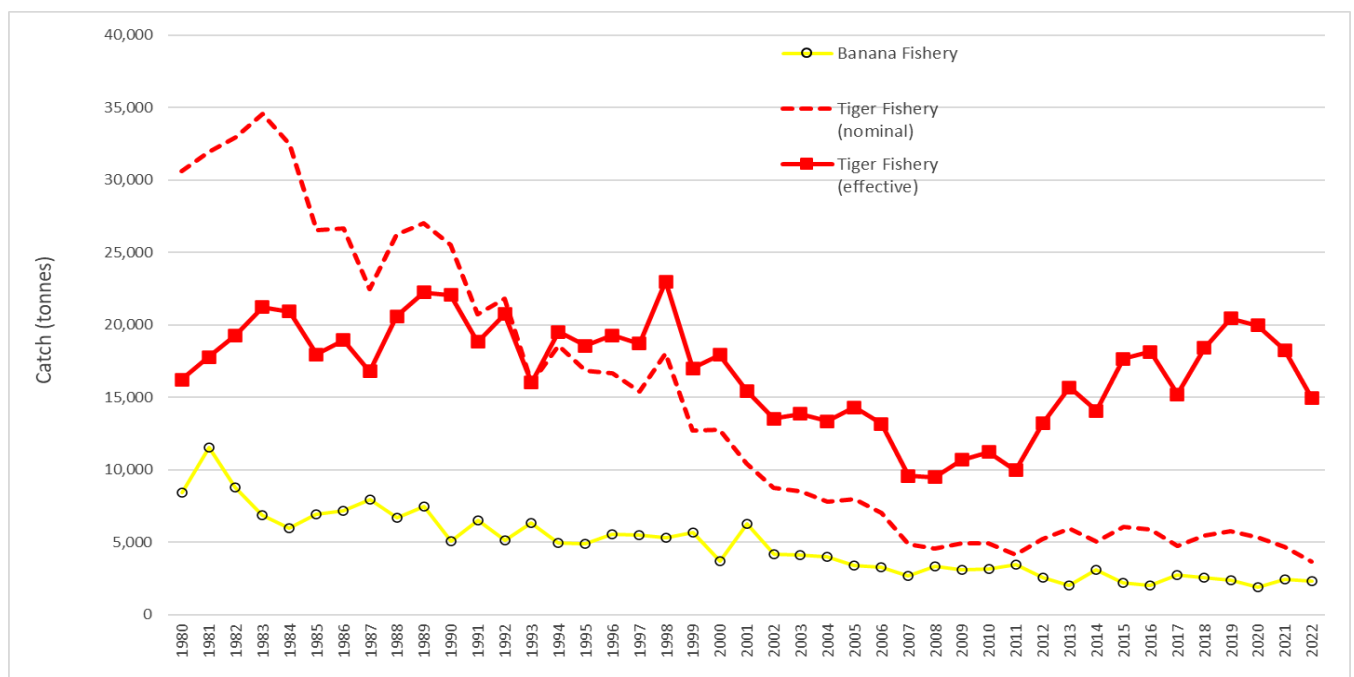


Figure 4: Effort in the banana and Tiger Prawn fisheries in the NPF between 1980 and 2022.

Catch Rate

It is worth noting that there have been several changes to headrope length implemented in the NPF over time. A reduction in headrope length of 25% came into effect at the start of the first fishing season in 2005. In 2008, an 8% increase in headrope length was implemented in the Tiger Prawn season. As a result, “catch rate”, measured in terms of CPUE (tonnes per fishing day), may be affected. It is also important to note that trends in CPUE do not necessarily reflect trends in stock abundance.

The Banana Prawn fishery CPUE increased from a daily rate of 1.497 t in 2021 to 1.752 t in 2022 (Figure 5a). The nominal CPUE for the Tiger Prawn fishery increased from 0.313 t in 2021 to 0.357 t in 2022 and the effective CPUE also increased from 0.079 t in 2021 to 0.087 in 2022 (Figure 5b).

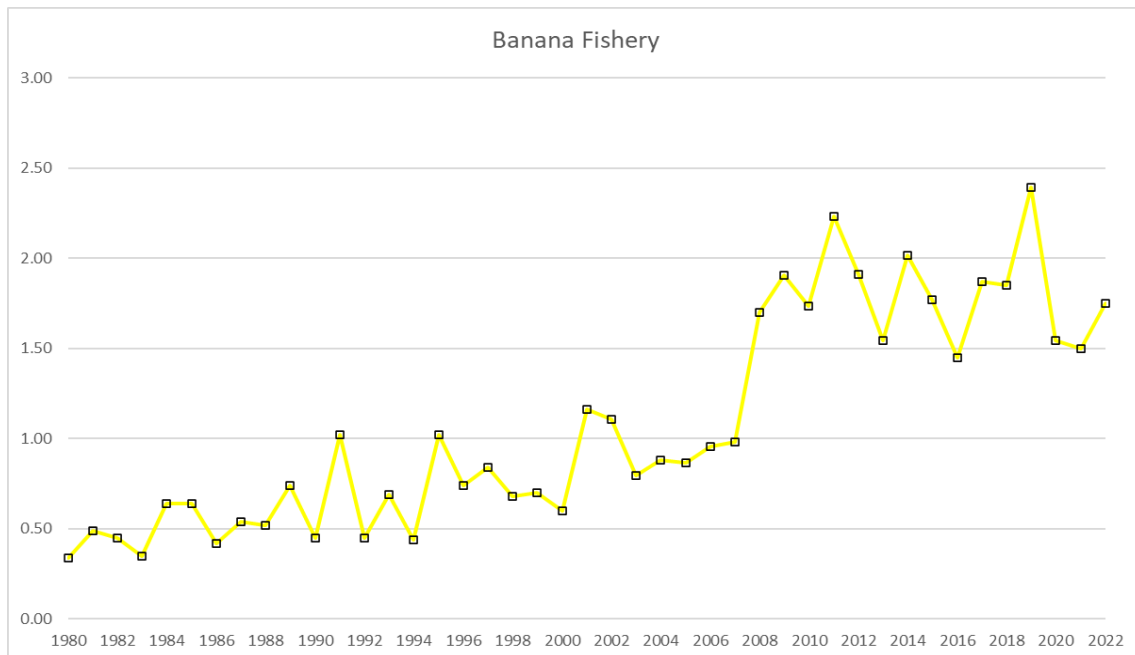


Figure 5a: Catch rate in the Banana Prawn fishery between 1980 and 2022.

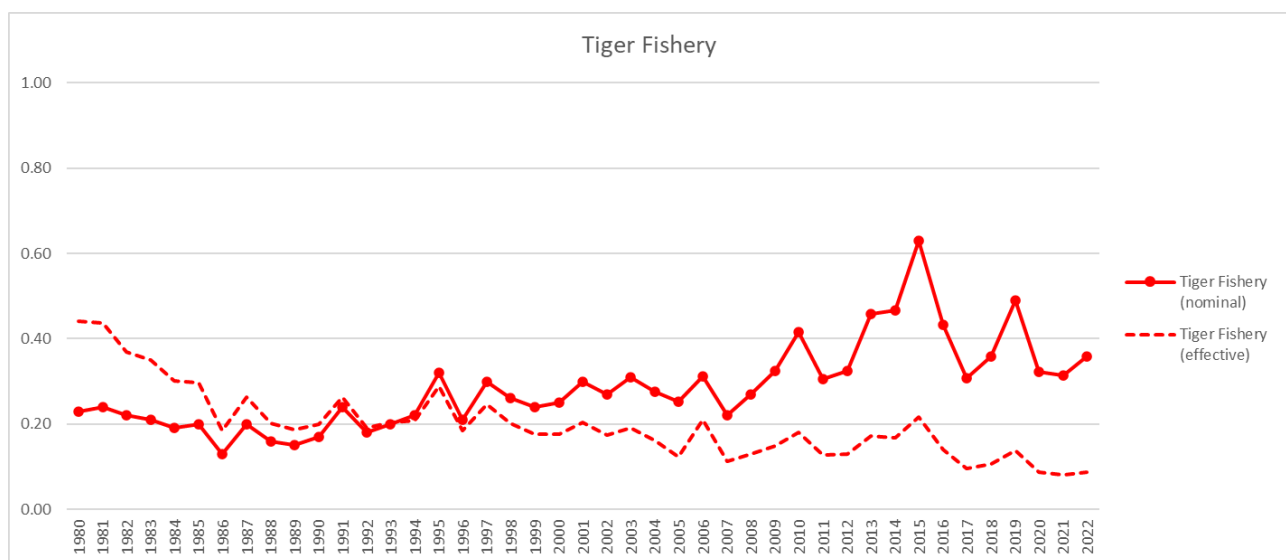


Figure 5b: Nominal and effective catch rate in the Tiger Prawn fishery between 1980 and 2022.

Catch, Effort and Catch Rate by Month

The highest total prawn catches during the 2022 Banana Prawn season were obtained during April, while the highest total prawn catches during the 2022 Tiger Prawn season were obtained during August (Table 2).

Table 3 shows effort by month in the banana and Tiger Prawn seasons for 2022. Effort in the Banana Prawn season (1 April to 9 June) was highest in April and lowest in June. Tiger Prawn season (1 August to 31 October) effort was highest in October and lowest in August (Table 3).

Monthly CPUE (tonnes/day) for Banana Prawns was highest in April during the Banana Prawn season (Table 4). Monthly CPUE for both nominal and effective effort for Tiger Prawns was highest in August (Table 4).

Table 2: Monthly catch by species in 2022.

| Catch (t) | April | May | June | Aug | Sep | Oct | Nov | Total |
|--------------|--------------|------------|----------|------------|------------|------------|-----|--------------|
| Banana | 2,754 | 498 | 7 | 360 | 264 | 151 | | 4,033 |
| Tiger | 1 | 3 | 1 | 280 | 337 | 304 | | 926 |
| Endeavour | 5 | 3 | | 165 | 91 | 111 | | 375 |
| King | | 0 | | 18 | 2 | 1 | | 20 |
| Total | 2,761 | 504 | 8 | 823 | 694 | 567 | | 5,355 |

Table 3: Monthly effort in the banana and Tiger Prawn seasons in 2022.

| Effort (days) | April | May | June | Aug | Sep | Oct | Nov | Total |
|---------------------------|--------------|------------|-----------|--------------|--------------|--------------|-----|---------------|
| Banana Fishery | 1,125 | 572 | 13 | 280 | 194 | 132 | | 2,316 |
| Tiger Fishery (nominal) | 11 | 14 | 6 | 1,119 | 1,177 | 1,306 | | 3,633 |
| Tiger Fishery (effective) | 45 | 58 | 66 | 4,606 | 4,845 | 5,376 | | 14,995 |
| Total | 1,181 | 644 | 85 | 6,005 | 6,216 | 6,814 | | 20,944 |

Table 4: Monthly catch rate for all species in the banana and Tiger Prawn seasons in 2022.

| CPUE (t/day) | Apr | May | Jun | Aug | Sep | Oct | Nov | Total |
|---------------------------|------|------|------|------|------|------|-----|-------|
| Banana Fishery | 2.45 | 0.88 | 0.51 | 1.28 | 1.43 | 1.18 | | 7.72 |
| Tiger Fishery (nominal) | 0.25 | 0.15 | 0.15 | 0.41 | 0.35 | 0.31 | | 1.64 |
| Tiger Fishery (effective) | 0.06 | 0.04 | 0.01 | 0.10 | 0.09 | 0.08 | | 0.38 |

Vessel and gear information

Vessel length

A maximum of 52 vessels can fish at any one time in the NPF. A total of 52 different vessels fished in 2022. In 2022, as in previous years, the most common NPF vessel length was between 22.0-22.9 m (Figure 6). One new vessel entered the fishery which was 19 m in length replacing a 23m vessel.

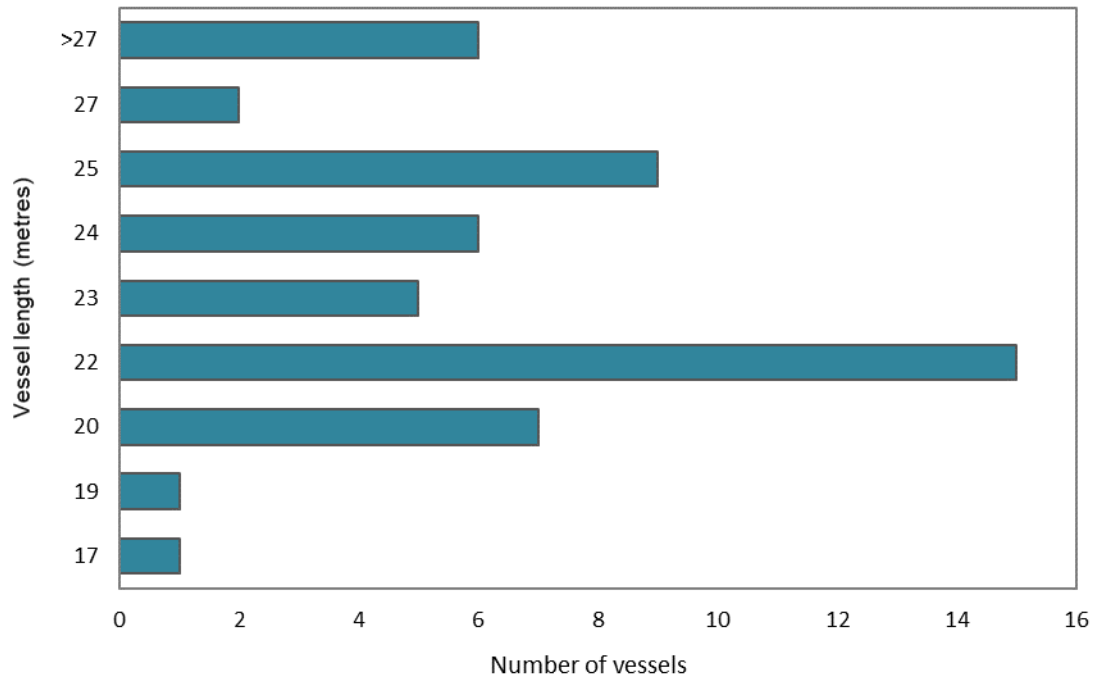


Figure 6: Frequency of vessel lengths in the NPF fleet in 2022.

Distribution of Catch by Vessel

In the 2022 Banana Prawn season, 26 vessels (50%) caught over 60 t (increase from 24 vessels in 2021). Eighteen vessels (35%) caught between 40 and 59 t, 6 vessels (12%) caught between 20-39 t and 2 caught less than 20 t (4%) (Figure 7a).

In the 2022 Tiger Prawn season, the number of vessels with a total catch over 60 t decreased from 9 vessels to 6 vessels (12%) in 2022. Seven vessels (13%) caught between 40 and 59 t and 21 vessels (40%) caught from 30 to 39 t (Figure 7b). Seventeen vessels (33%) caught 20 to 29 t and 1 vessel less than 20 t (2%) for the 2022 season.

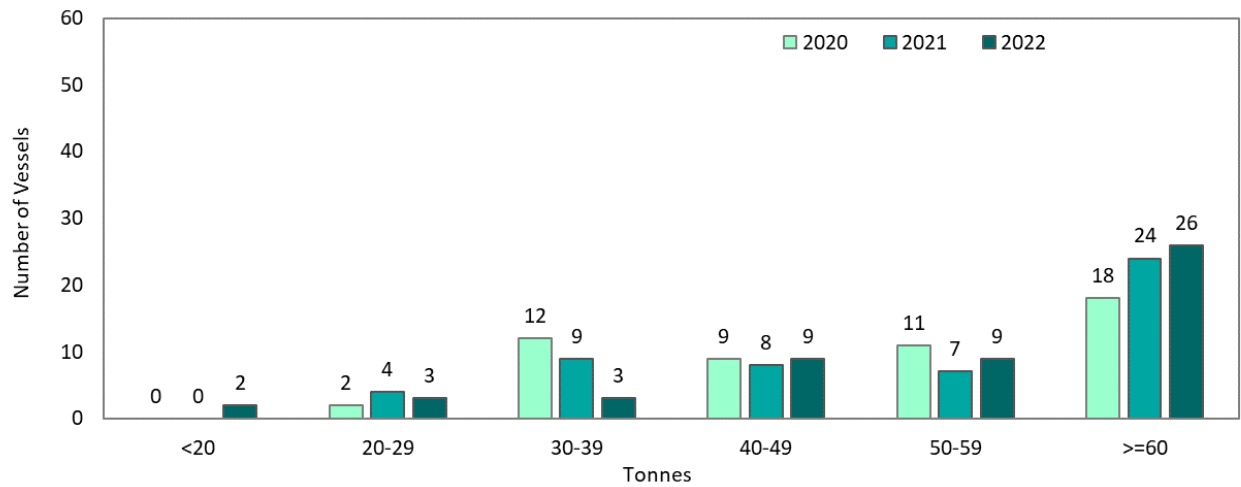


Figure 7a: Distribution of total catch in the Banana Prawn season, 2020 to 2022.

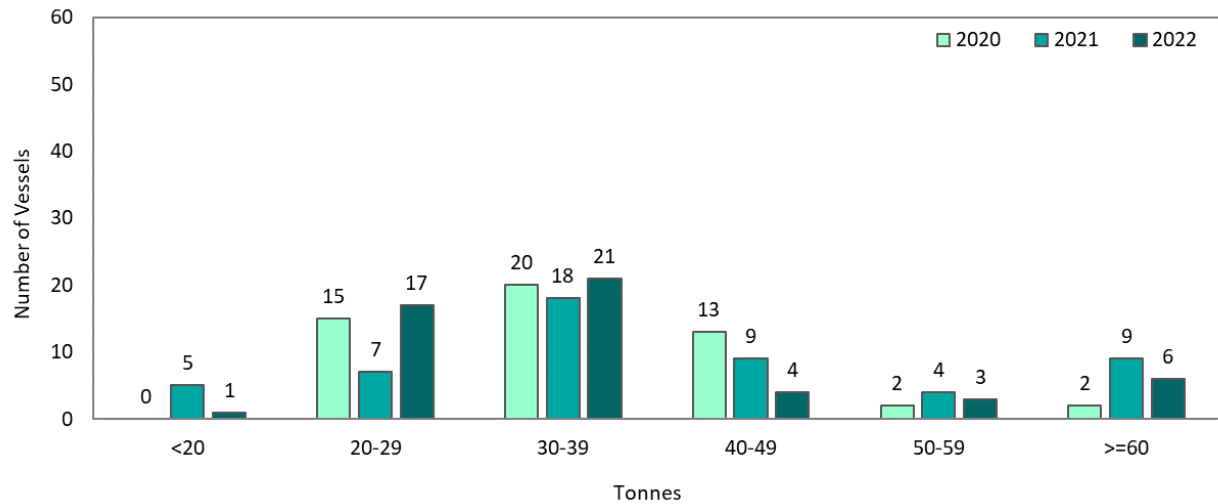


Figure 7b: Distribution of total catch in the Tiger Prawn season, 2020 to 2022.

Average catch per vessel

Average total prawn catch per vessel increased from 99 t per vessel in 2021 to 103 t in 2022 (Figure 8a). The average catch per vessel for Banana Prawns increased from 70 t per vessel in 2021 to 78 t in 2022 (Figure 8b). Average catch of Tiger Prawns per vessel decreased from 20 t per vessel in 2021 to 18 t in 2022 (Figure 8c).

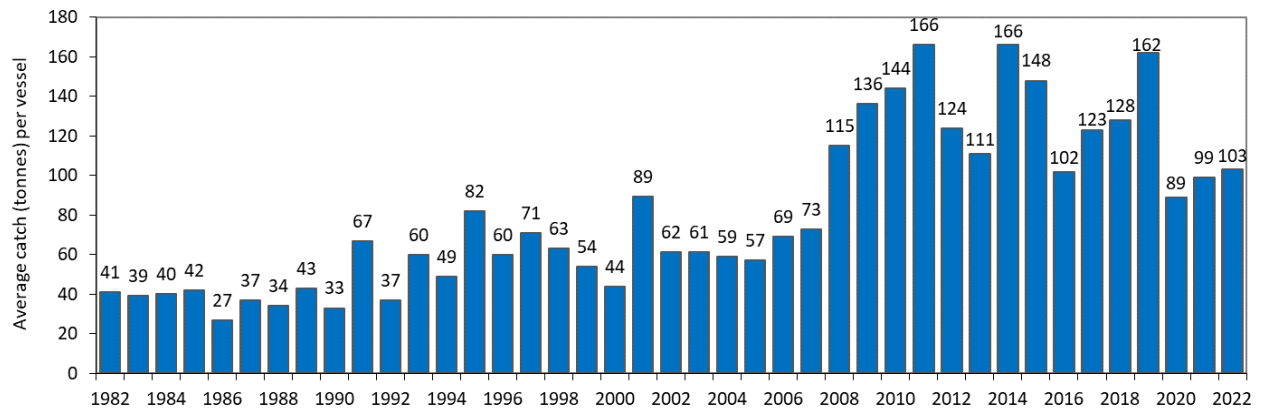


Figure 8a: Average total catch of all prawns per vessel in the NPF from 1982 to 2022.

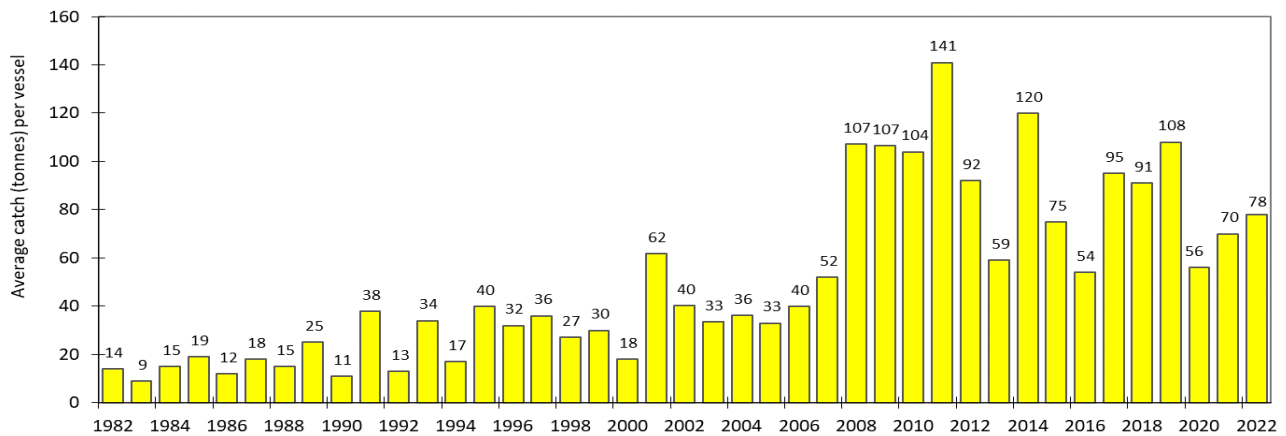


Figure 8b: Average total catch of Banana Prawns per vessel in the NPF from 1982 to 2022.

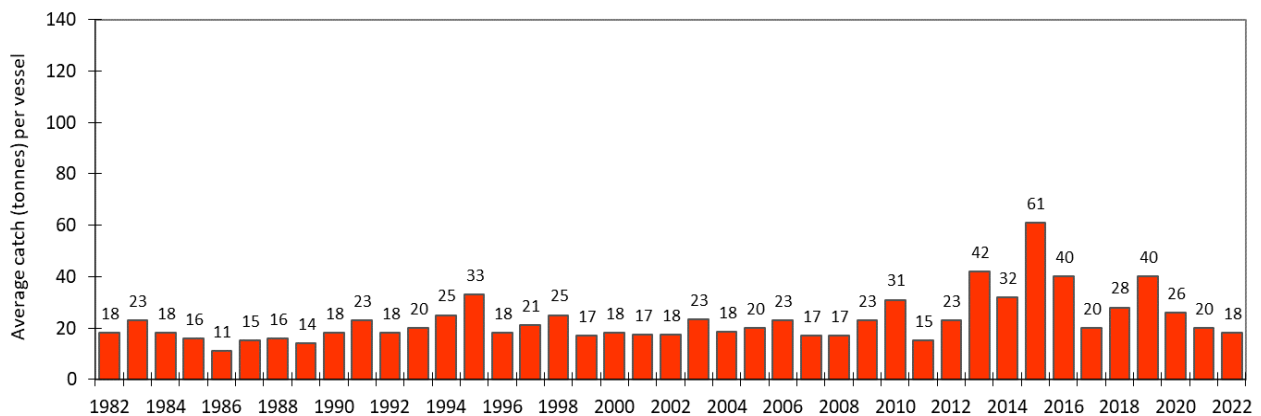


Figure 8c: Average total catch of Tiger Prawns per vessel in the NPF from 1982 to 2022.

Fishing Gear

Total Tiger Prawn headrope increased slightly from 1536.47 (2.809 km) in 2021 to 1537.44 (2.812 km) (Figure 9). The mean headrope length in 2022 was 29.57 fathoms (54.07 m), a slight increase from 2021. Again, the most common headrope length in 2022 was 31 fathoms (56.7m) (Figure 10).

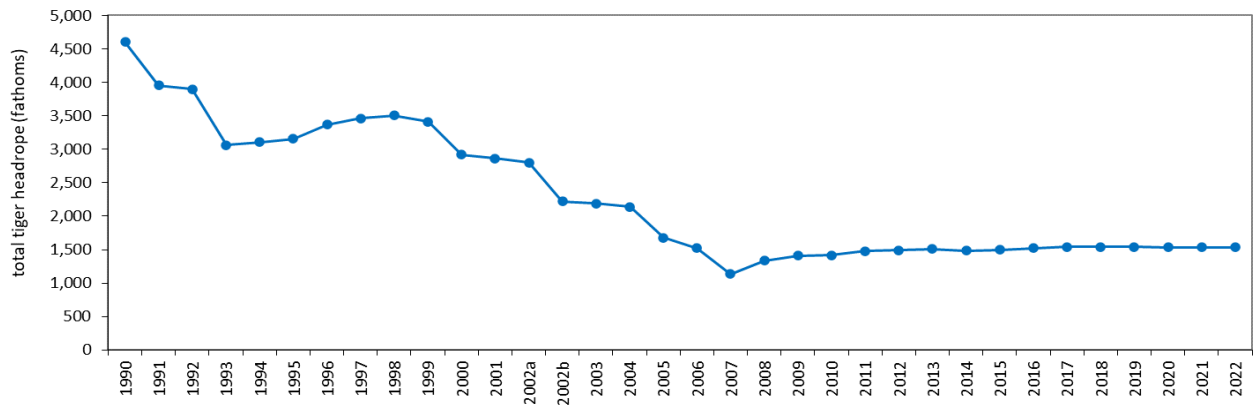


Figure 9: Total Tiger Prawn season headrope length in the NPF from 1990 to 2022.

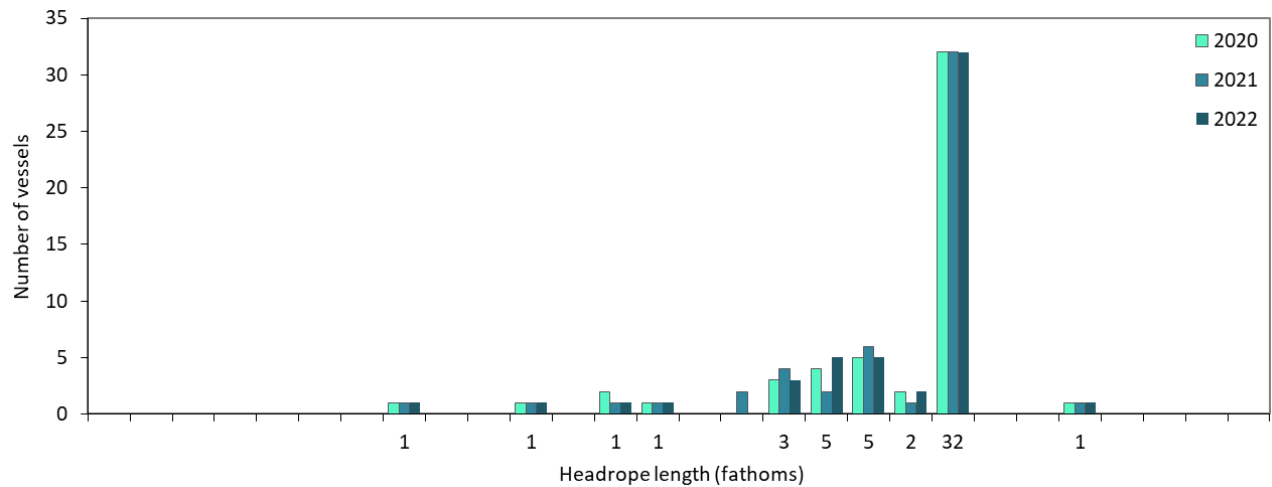


Figure 10: Frequency of headrope length for the Tiger Prawn season in the NPF from 2020 to 2022.

Catch and effort by statistical area in the Northern Prawn Fishery

All areas

Catch and effort has been partitioned into the 15 statistical areas illustrated below (Figure 11) and is detailed on the following pages for the years 2007 – 2022 (for the entire historical catch and effort of each area see Appendix 1). The highest Banana Prawn catches were recorded in the Weipa area with 705 t (Figure 12). The highest catches of Tiger Prawns were recorded in the Limmen Bight area with 300 t caught (Figure 13).

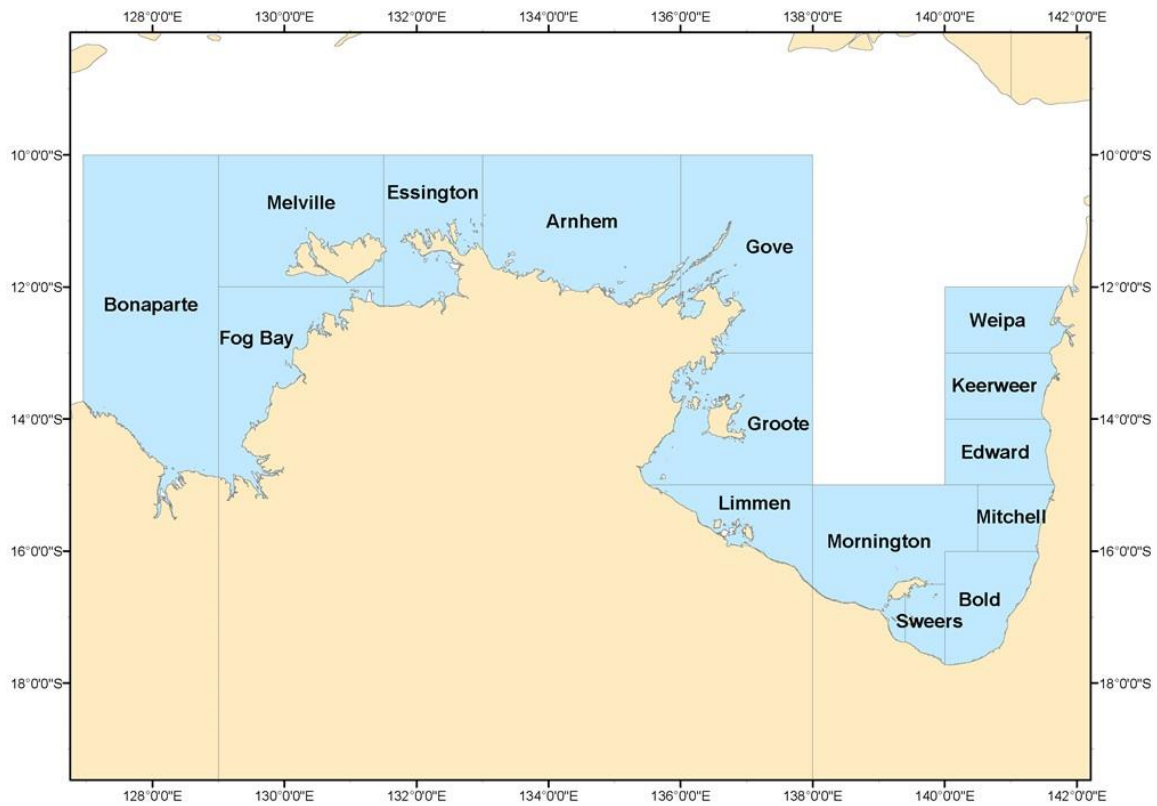


Figure 11: Statistical areas of the NPF.

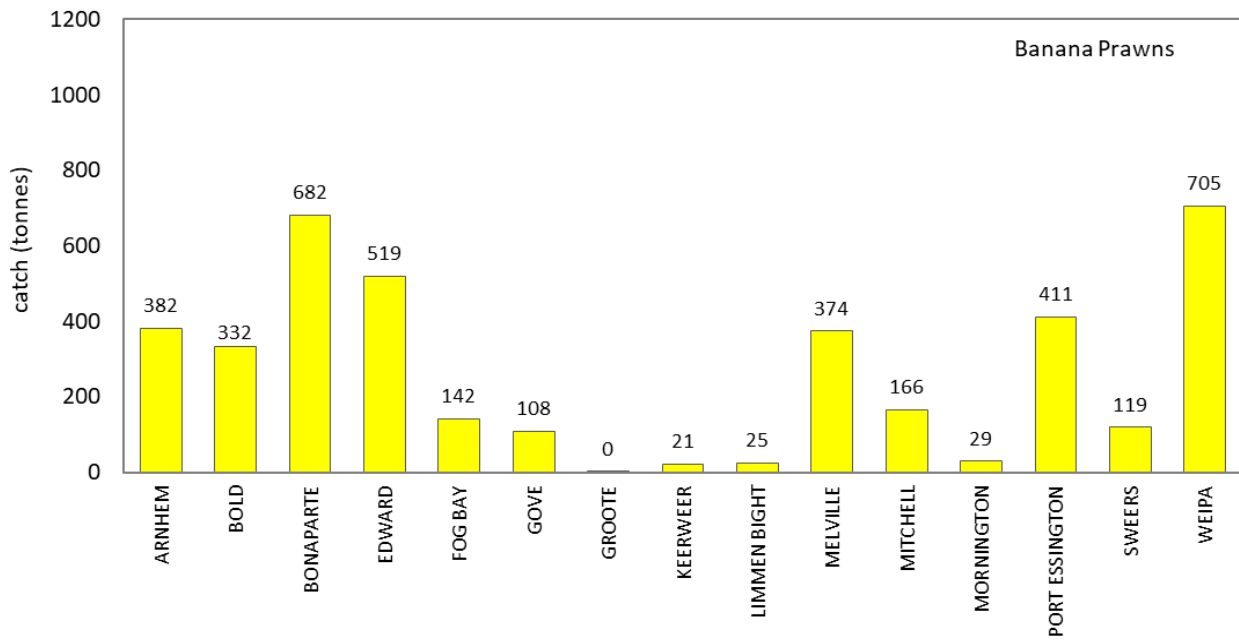


Figure 12: Total catch of Banana Prawns for each statistical area of the NPF in 2022.

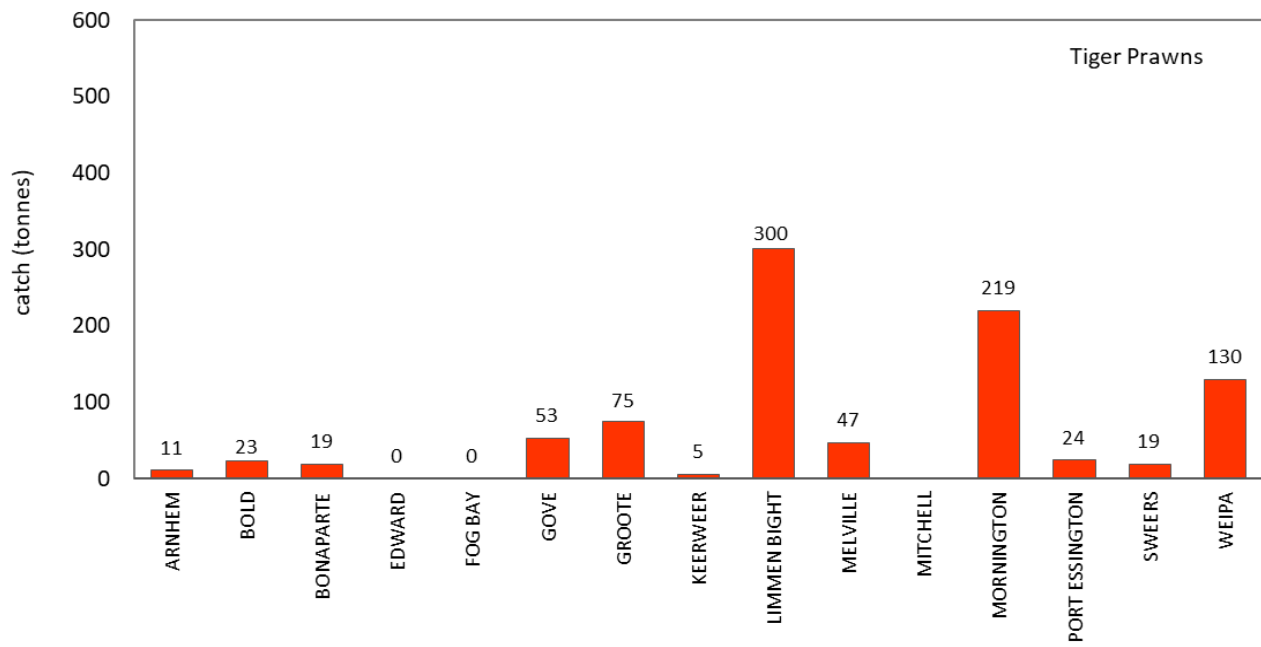


Figure 13: Total catch of Tiger Prawns for each statistical area of the NPF in 2022.

Weipa

Banana Prawn catches in Weipa increased from 199 t in 2021 to 705 t in 2022. Tiger Prawn catches also increased from 57 t in 2021 to 130 t in 2022 and catches of Endeavour Prawns increased from 37 t in 2021 to 90 t in 2022 (Figure 14). Banana Prawns again dominated the catches in Weipa during 2022, comprising 76%, with Tiger Prawns making up 14% and endeavor prawns 10% (Figure 15).

Effort in the Banana Prawn fishery increased from 123 days in 2021 to 271 days in 2022 (Figure 16a). CPUE of Banana Prawns increased from 1.62 t per day in 2021 to 2.61 t per day in 2022 (Figure 16b). Effort in the Tiger Prawn fishery increased from 379 days in 2021 to 575 days in 2022 (Figure 16a). Nominal CPUE of Tiger Prawns increased from 0.25 t per day in 2021 to 0.38 t per day in 2022, effective CPUE increased from 0.06 t per day in 2021 to 0.09 t per day in 2022 (Figure 16c).

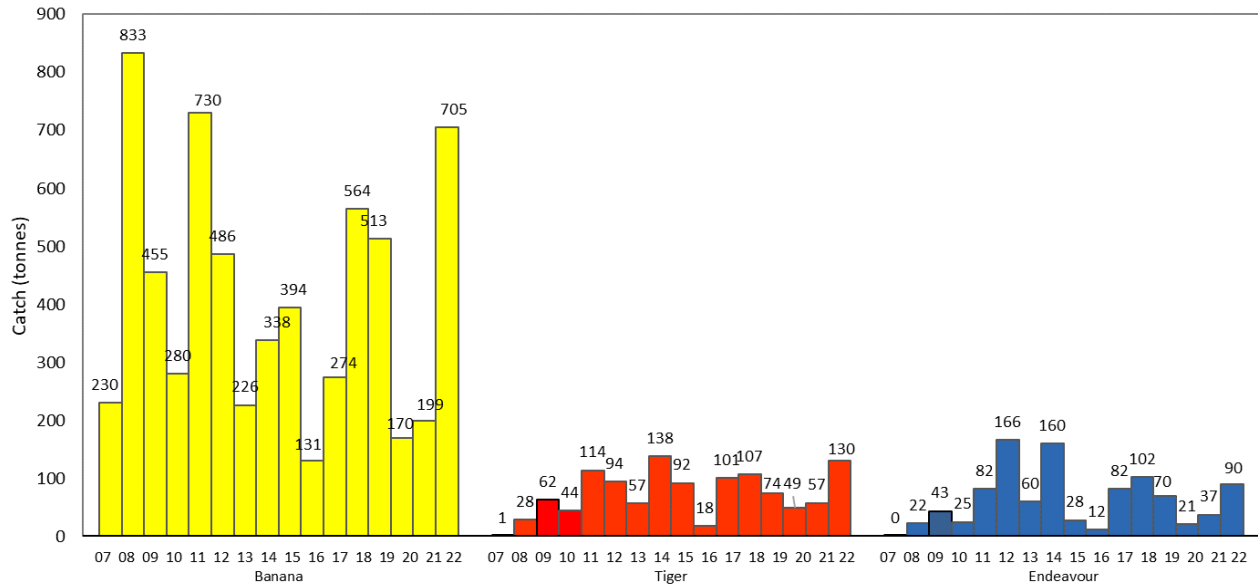


Figure 14: Catch by species in the Weipa area - 2007 to 2022.

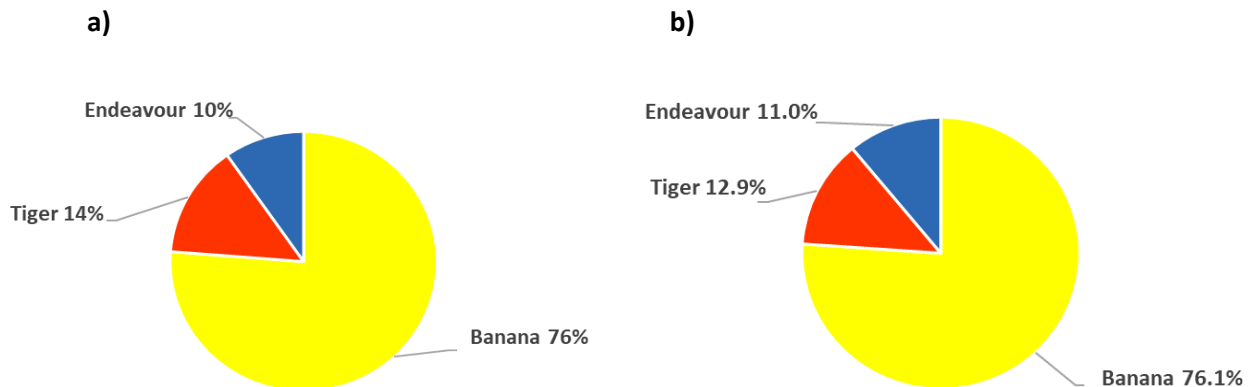


Figure 15: (a) Percentage catch of prawn species in the Weipa area during 2022, and (b) percentage catch of prawn species in the Weipa area – 2007 to 2022.

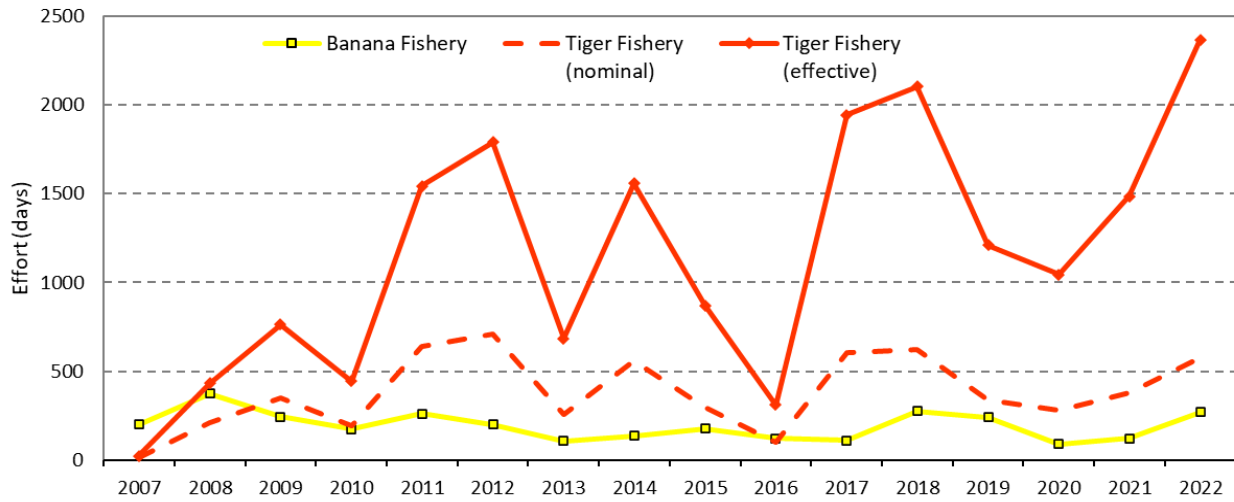


Figure 16a: Effort for the banana and Tiger Prawn fisheries in the Weipa area - 2007 to 2022.

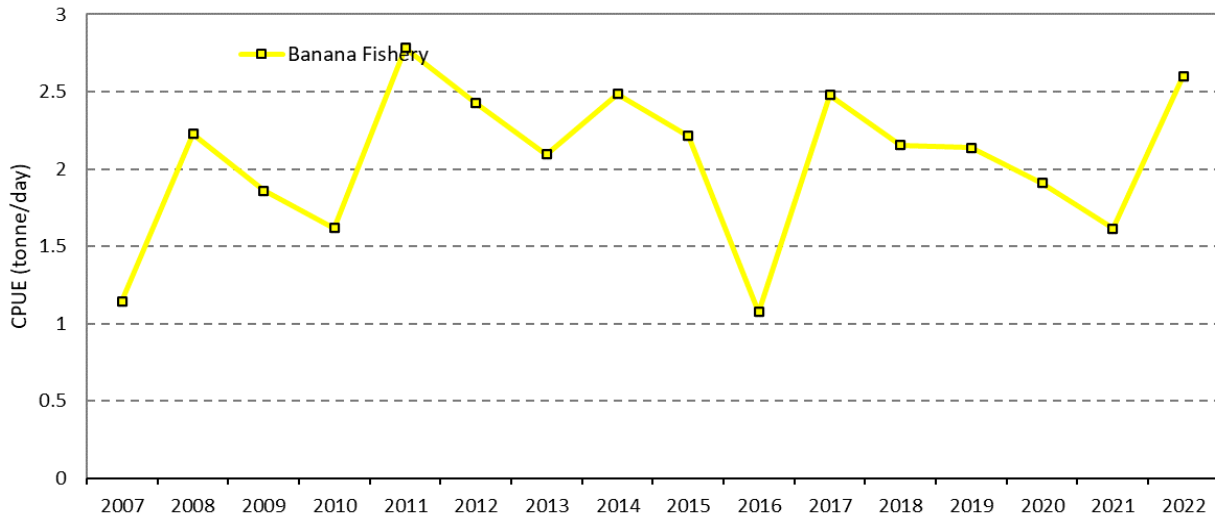


Figure 16b: Catch rate for the Banana Prawn fishery in the Weipa area - 2007 to 2022.

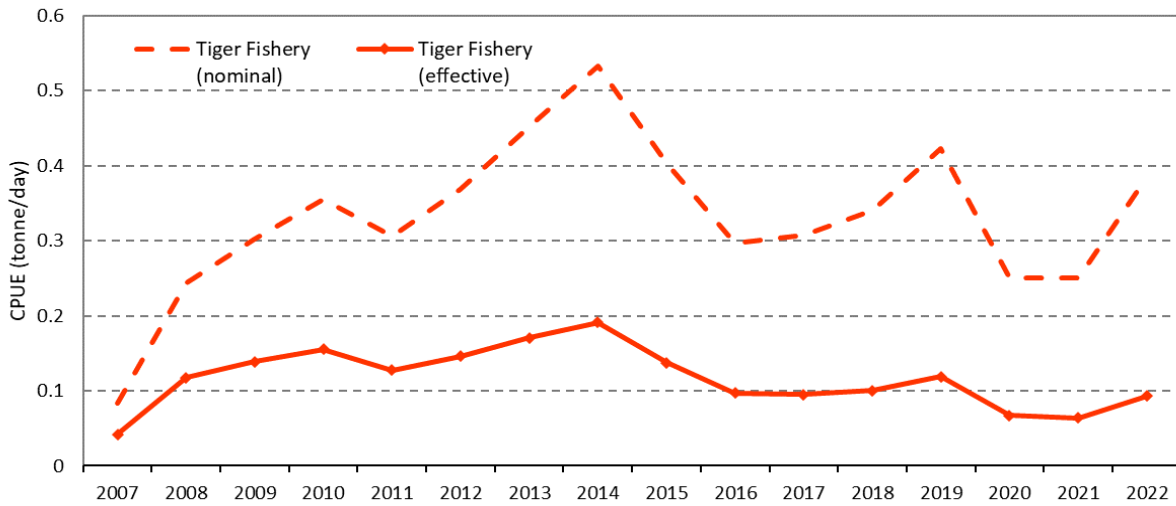


Figure 16c: Nominal and effective catch rate for the Tiger Prawn fishery in the Weipa area - 2007 to 2022.

Keerweer

Banana Prawn catches in the Keerweer region decreased from 45 t in 2021 to 21 t in 2022 (Figure 17). Tiger Prawn catches increased to 5 t and Endeavour Prawns increased to 6 t in 2022 (Figure 17). Banana Prawns comprised 66% of the catch in 2022, with Tiger Prawns making up 16% and endeavor prawns 19% (Figure 18).

Effort in the Banana Prawn fishery decreased from 37 days in 2021 to 17 days in 2022 (Figure 19a). CPUE for Banana Prawns was 1.23 t per day in 2021 and 2022 (Figure 19b). Effort in the Tiger Prawn fishery increased from 2 days in 2021 to 18 days in 2022 (Figure 19a). Nominal CPUE was 1.23 in 2021 and 2022, while effective CPUE of Tiger Prawns decreased from 0.34 t per day in 2021 to 0.14 t in 2022 (Figure 19c).

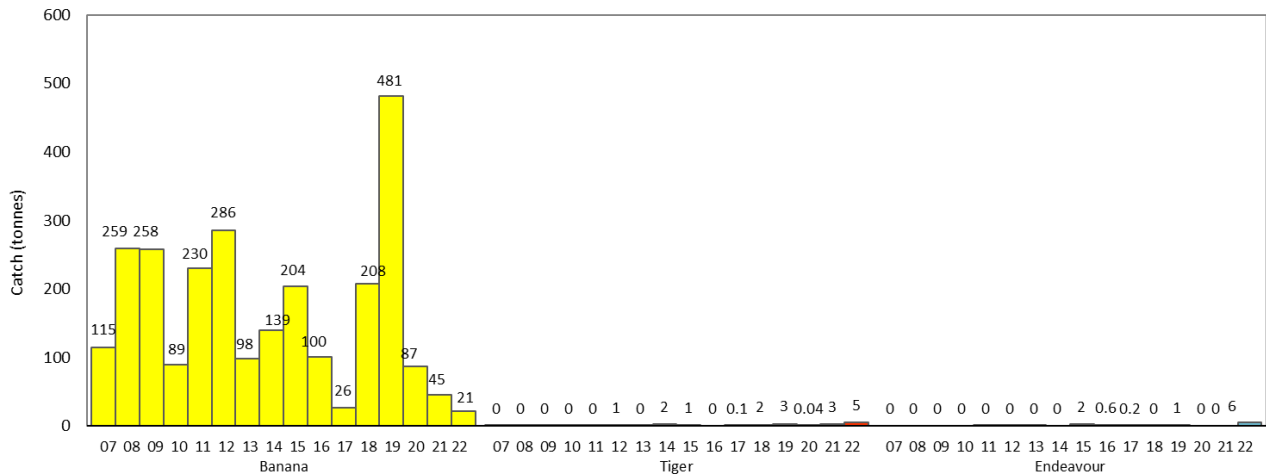


Figure 17: Catch by species in the Keerweer area - 2007 to 2022.

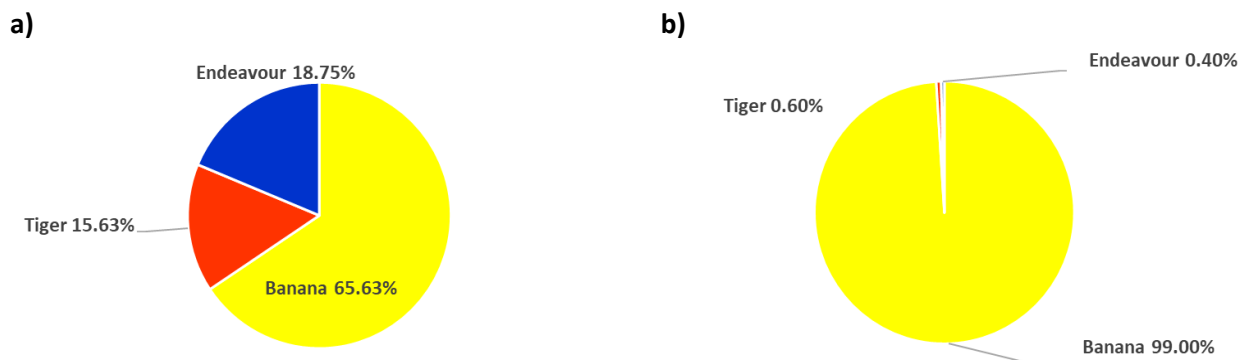


Figure 18: (a) Percentage catch of prawn species in the Keerweer area during 2022 and (b) percentage catch of prawn species in the Keerweer area - 2007 to 2022.

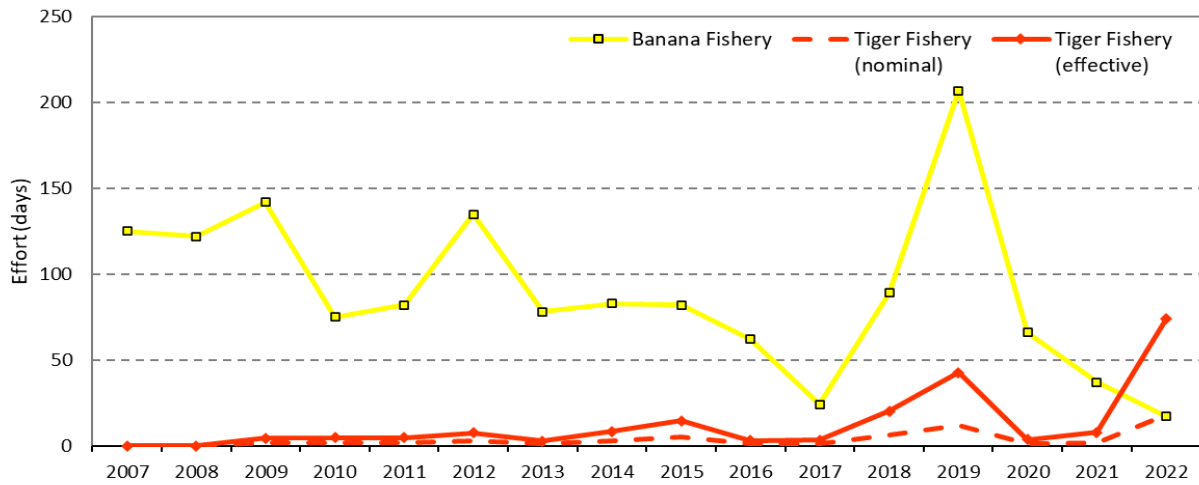


Figure 19a: Effort for the banana and Tiger Prawn fisheries in the Keerweer area – 2007 to 2022.

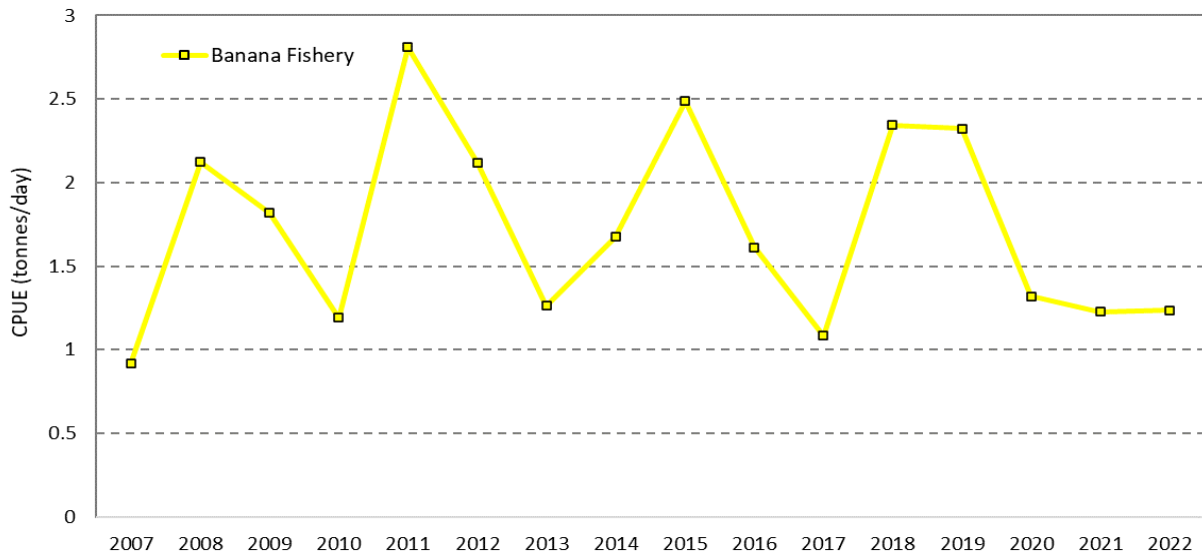


Figure 19b: Catch rate for the Banana Prawn fishery in the Keerweer area - 2007 to 2022.

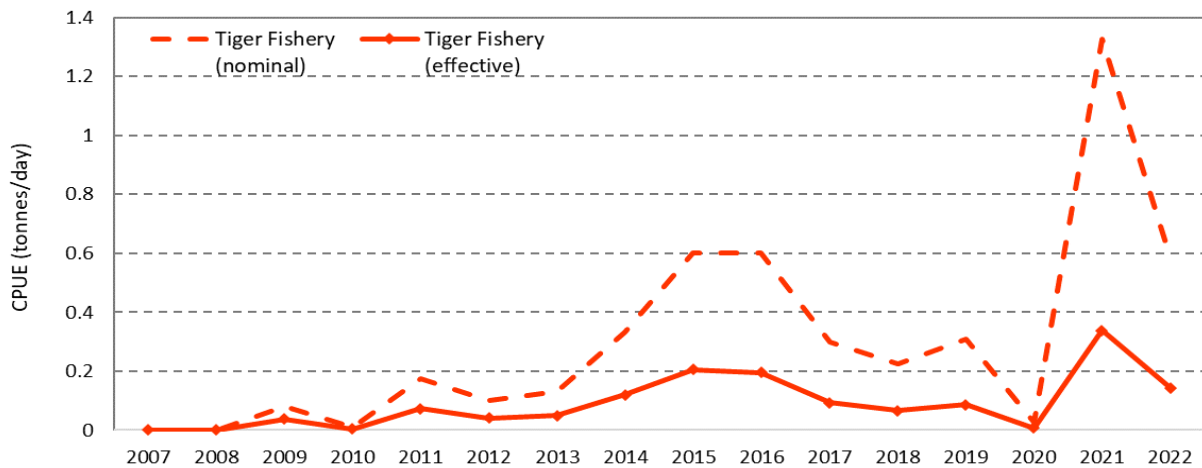


Figure 19c: Nominal and effective catch rate for the Tiger Prawn fishery in the Keerweer area - 2007 to 2022.

Edward

Banana Prawn catches in the Edward area increased from 318.6t in 2021 to 519 t in 2022 (Figure 20). Catches of tiger and Endeavour Prawns were again less than 1 t in 2022. Banana Prawns comprised 99.9% of the catch in 2022 (Figure 21).

Effort in the Banana Prawn fishery increased from 139 days in 2021 to 176 days in 2022 (Figure 22a). CPUE of Banana Prawns increased from 2.29 t per day in 2021 to 2.95 t in 2022 (Figure 22b). Nominal CPUE of Tiger Prawns increased from 0 in 2021 to 0.16 t per day in 2022, effective CPUE increased from 0 in 2021 to 0.04 t per day in 2022 (Figures 22a & c).

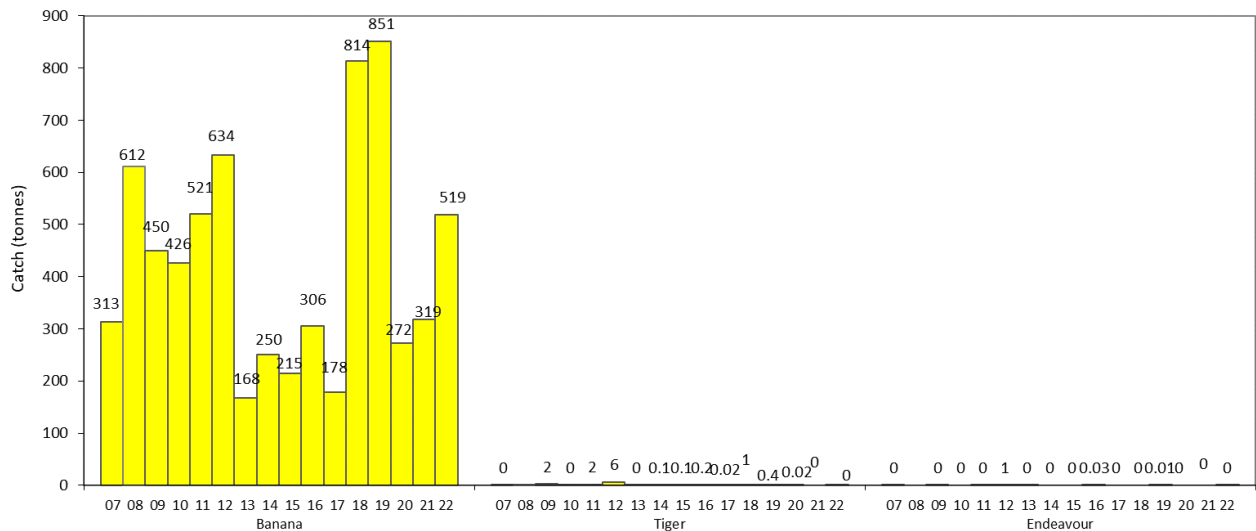


Figure 20: Catch by species in the Edward area - 2007 to 2022.

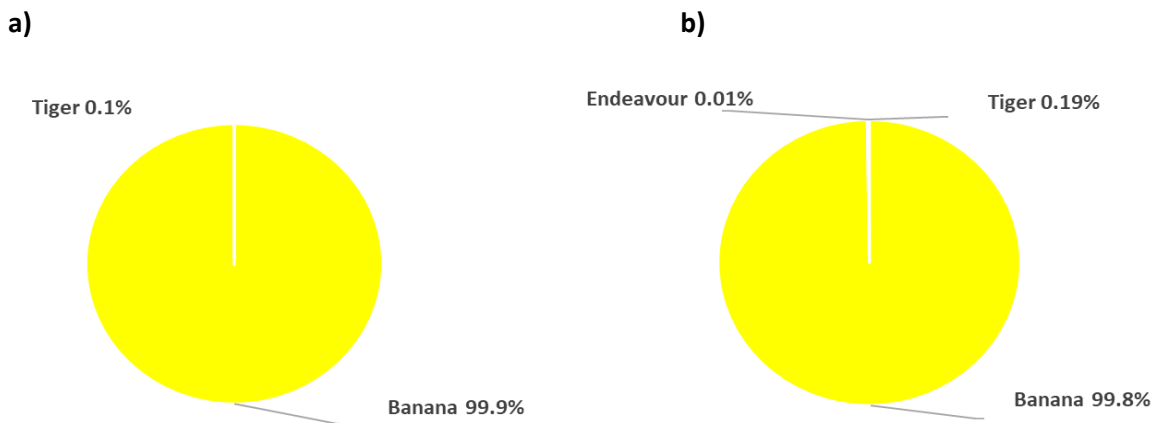


Figure 21: (a) Percentage catch of prawn species in the Edward area during 2022 and (b) percentage catch of prawn species in the Edward area - 2007 to 2022.

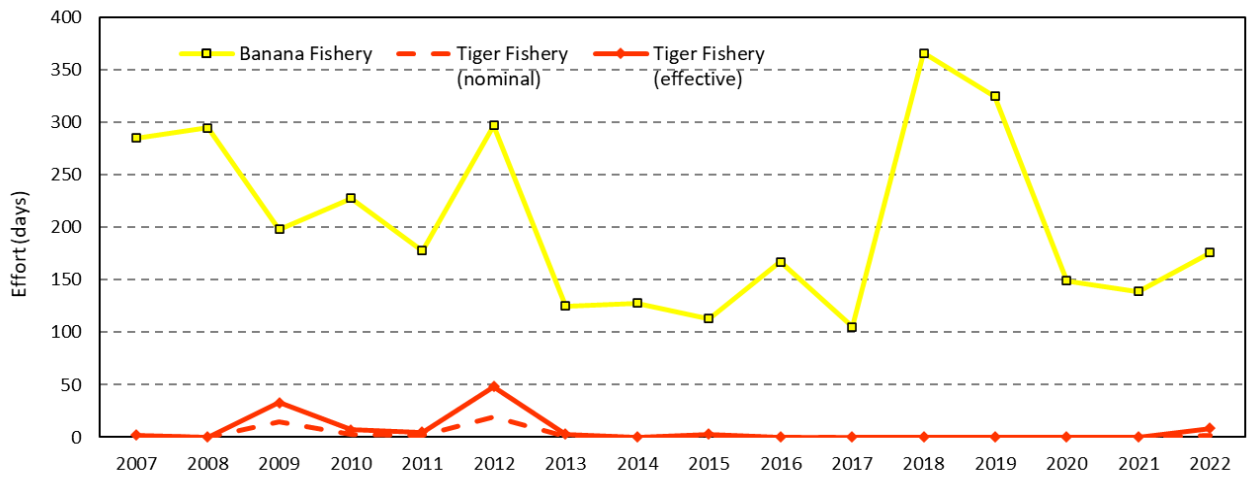


Figure 22a: Effort for the banana and Tiger Prawn fisheries in the Edward area - 2007 to 2022.

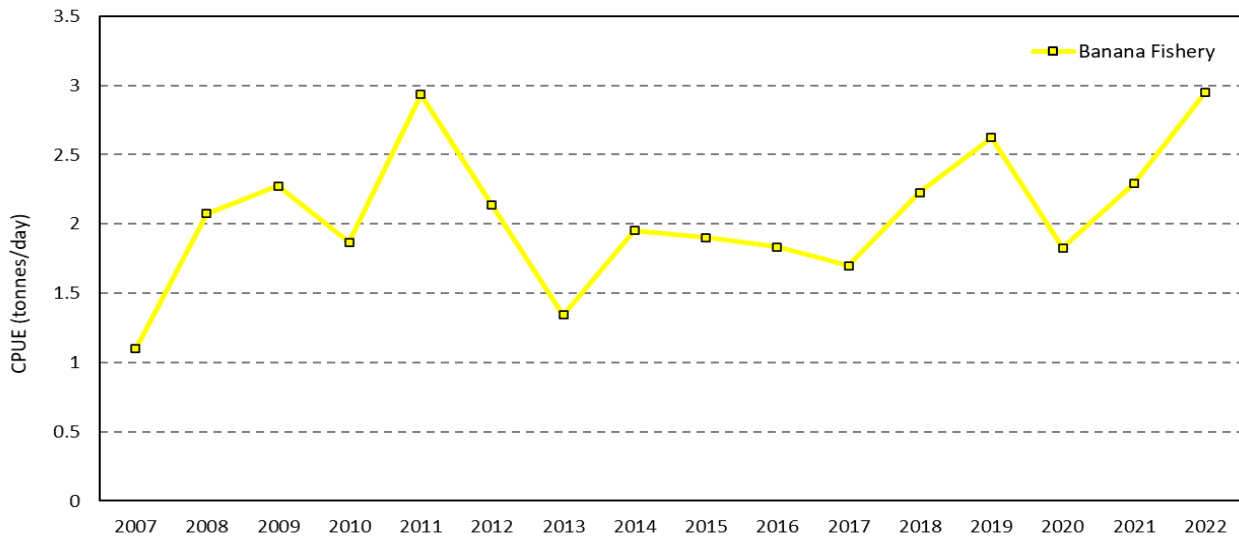


Figure 22b: Catch rate for the Banana Prawn fishery in the Edward area - 2007 to 2022.

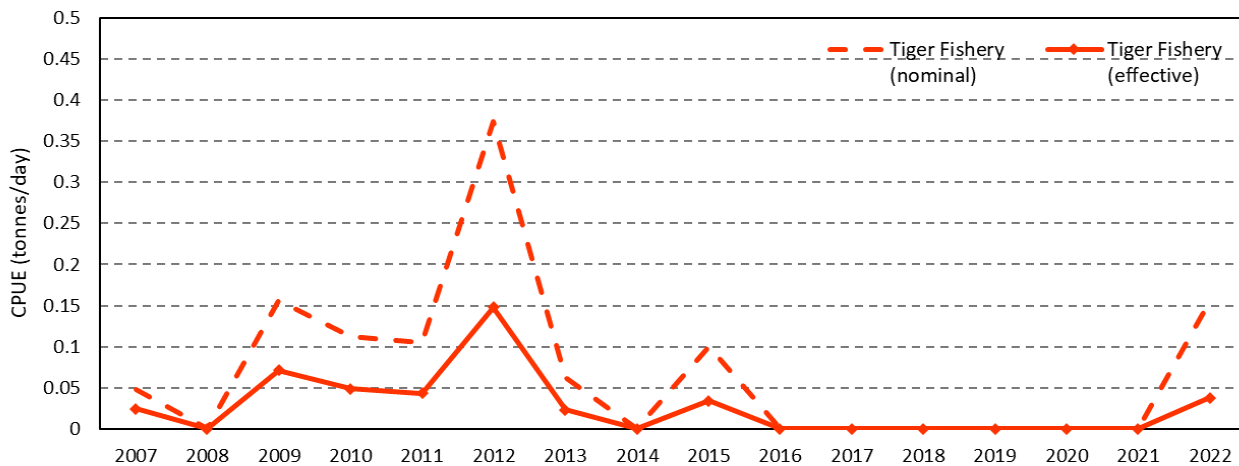


Figure 22c: Nominal and effective catch rate for the Tiger Prawn fishery in the Edward area – 2007 to 2022.

Mitchell

Banana Prawn catches in the Mitchell area decreased 210.9 t in 2021 to 166 t in 2022 (Figure 23). There was no Tiger Prawns or Endeavour Prawns were caught in the area in 2021. Banana Prawns comprised 100% of the catch 2022 (Figure 24).

Effort in the Banana Prawn fishery decreased from 116 days in 2021 to 59 days in 2022 (Figure 25a). CPUE of Banana Prawns increased from 1.81 t per day in 2021 to 2.82 t in 2022 (Figure 25b). Nominal and effective CPUE of Tiger Prawns remained at zero in 2022 (Figures 25a & c).

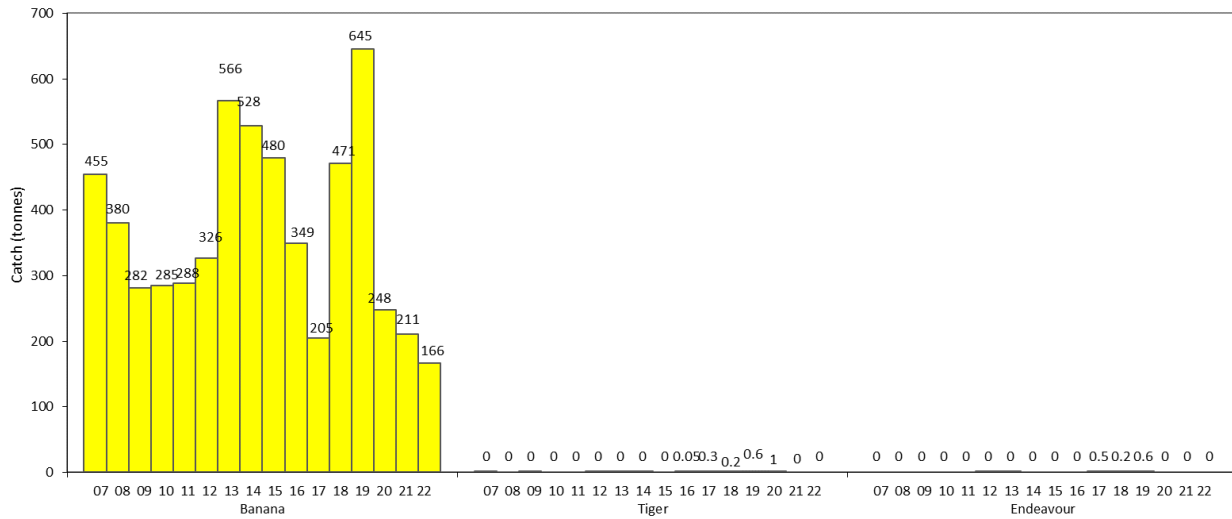


Figure 23: Catch by species in the Mitchell area - 2007 to 2022.

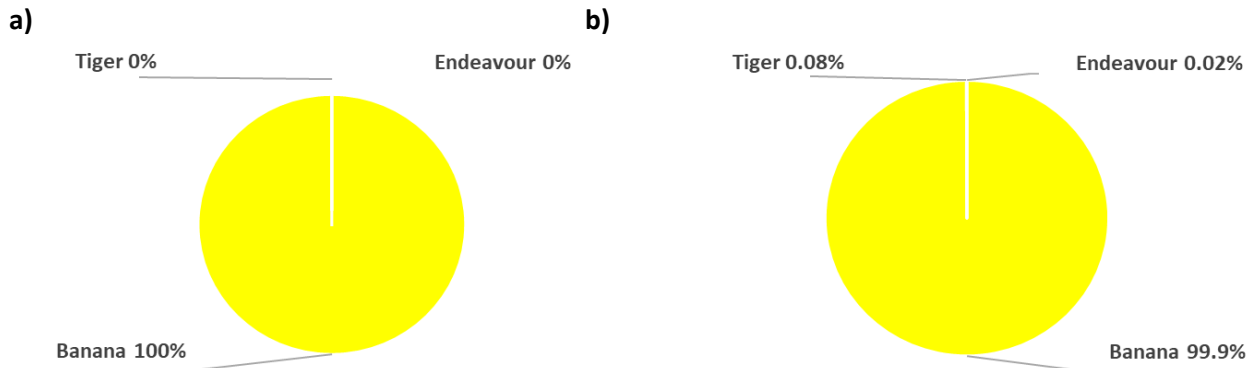


Figure 24: (a) Percentage catch of prawn species in the Mitchell area during 2022 and (b) percentage catch of prawn species in the Mitchell area - 2007 to 2022.

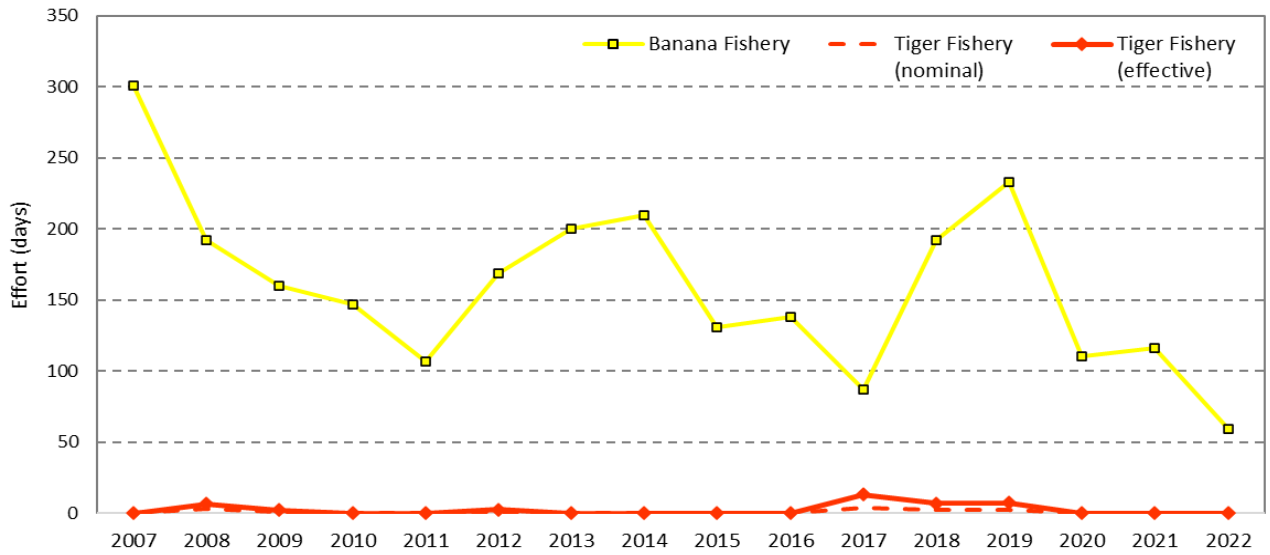


Figure 25a: Effort for the banana and Tiger Prawn fisheries in the Mitchell area - 2007 to 2022.

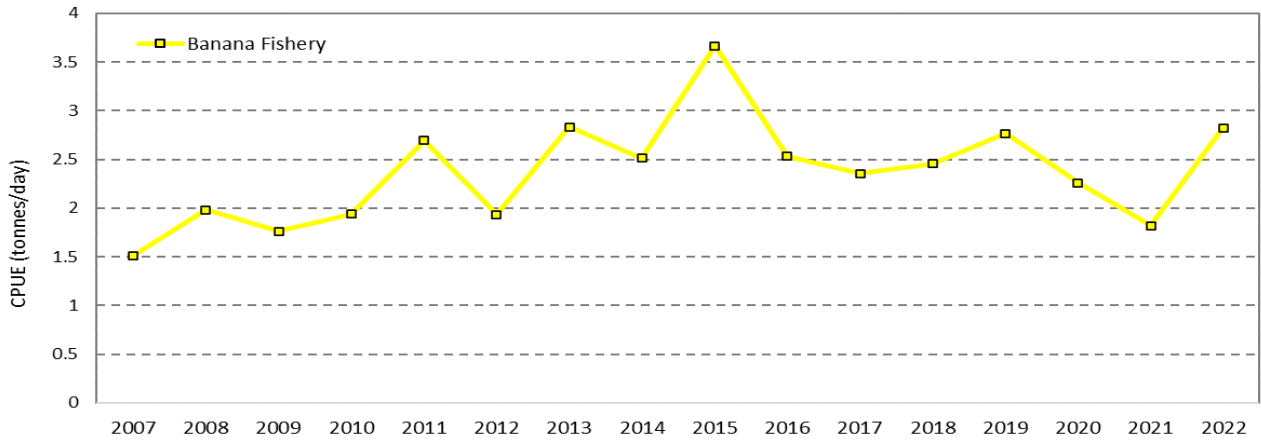


Figure 25b: Catch rate for the Banana Prawn fishery in the Mitchell area - 2007 to 2022.

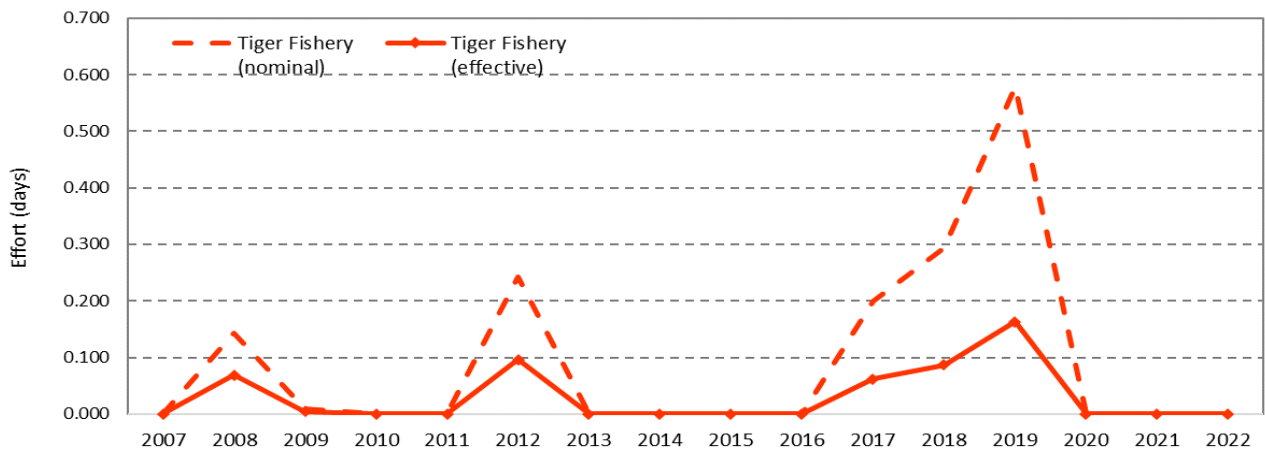


Figure 25c: Nominal and effective catch rate for the Tiger Prawn fishery in the Mitchell area - 2007 to 2022.

Bold

Banana Prawn catches in the Bold area decreased from 760 t in 2021 to 332 t in 2022 (Figure 26). Catches of Tiger Prawns increased from 12 t in 2021 to 23 t in 2022. Endeavour Prawn catches also increased from 6 t in 2021 to 12 t in 2022. Banana Prawns were the predominant catch in this area in 2022, comprising 90.46% of the catch, with Tiger Prawns (6.3%) and Endeavour Prawns (3.3%) making up the remainder (Figure 27a).

Effort in the Banana Prawn fishery decreased from 279 days in 2021 to 142 days in 2022 (Figure 28a). CPUE of Banana Prawns decreased from 2.72 t in 2021 to 2.34 t in 2022 (Figure 28b). Effort in the Tiger Prawn fishery increased from 76 days in 2021 to 79 days in 2022 (Figure 28a). Nominal and effective CPUE of Tiger Prawns increased from 0.24 and 0.06 t per day in 2021 to 0.44 and 0.11 t per day in 2022 (Figure 28c).

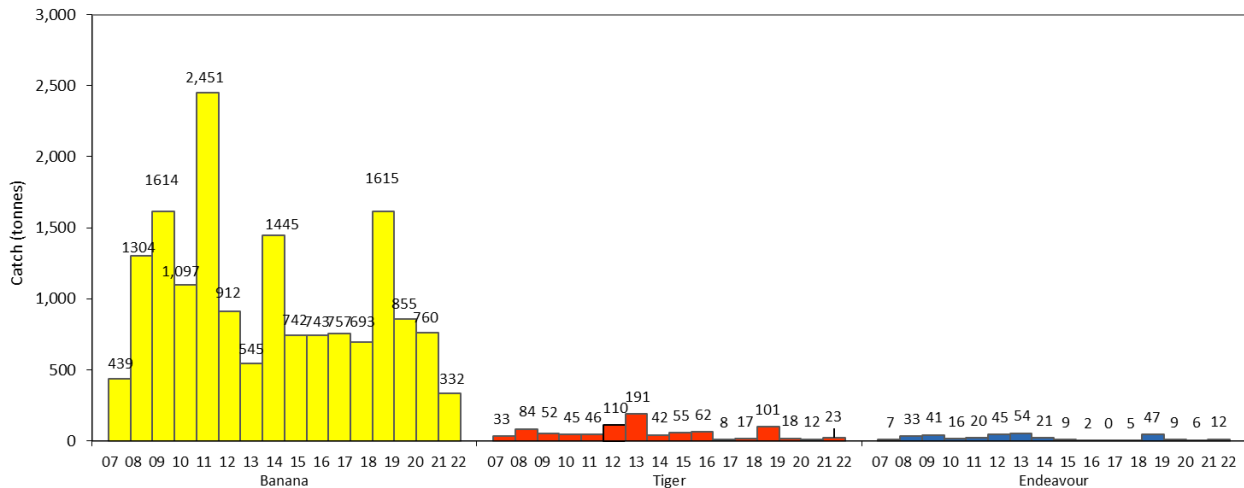


Figure 26: Catch by species in the Bold area – 2007 to 2022.

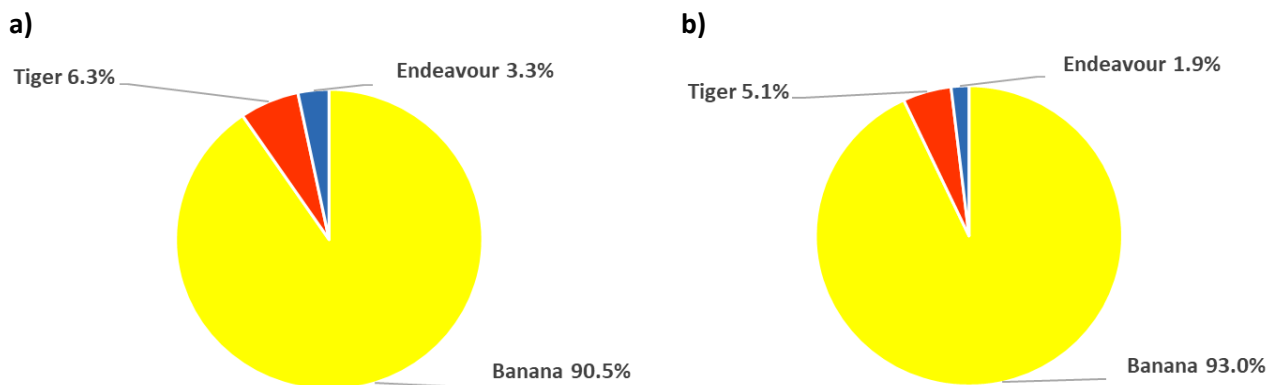


Figure 27: (a) Percentage catch of prawn species in the Bold area during 2022 and (b) catch of prawn species in the Bold area - 2007 to 2022.

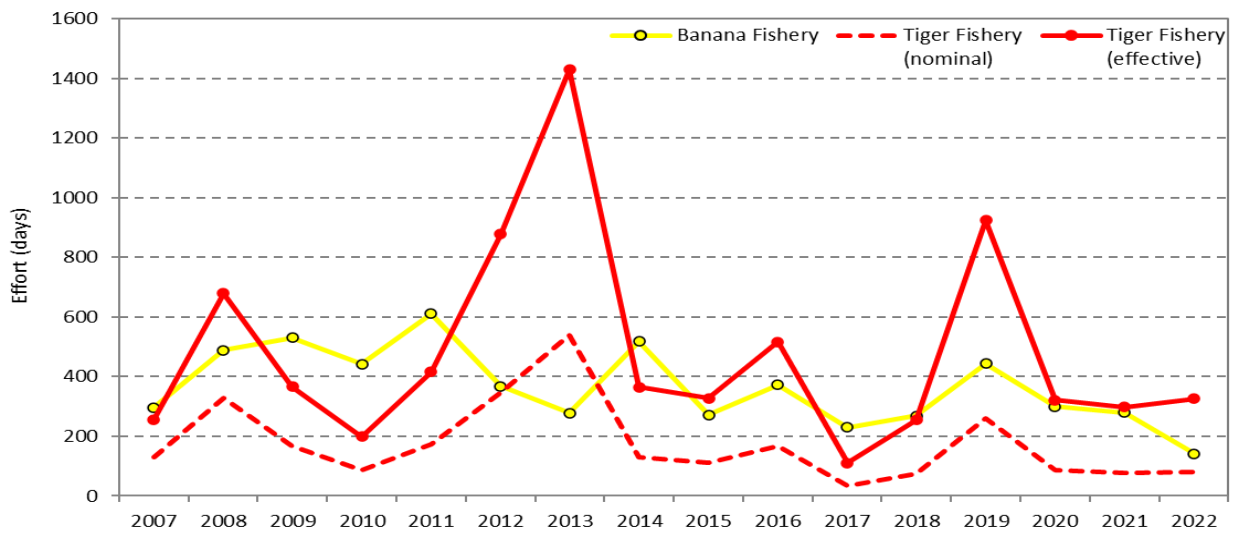


Figure 28a: Effort for the banana and Tiger Prawn fisheries in the Bold area - 2007 to 2022.

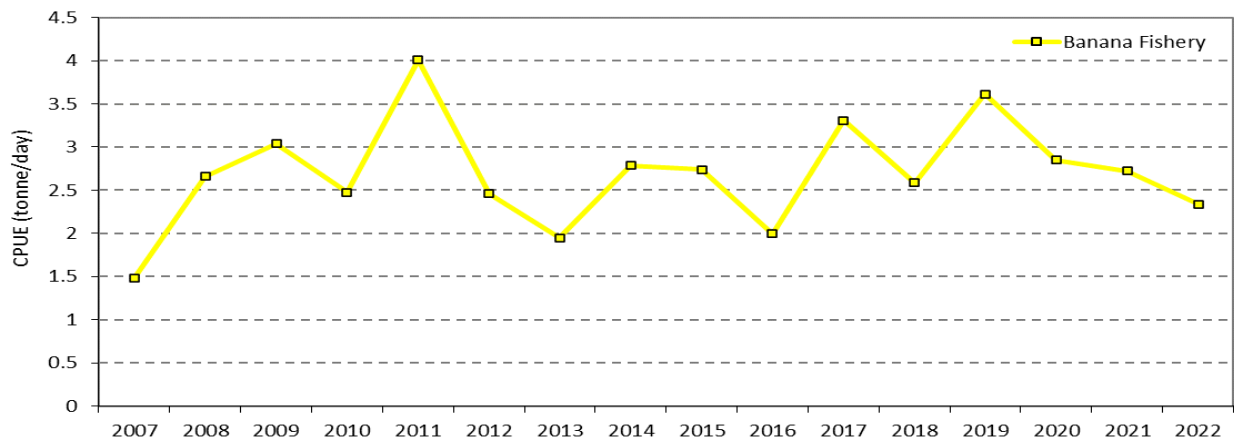


Figure 28b: Catch rate for the Banana Prawn fishery in the Bold area - 2007 to 2022.

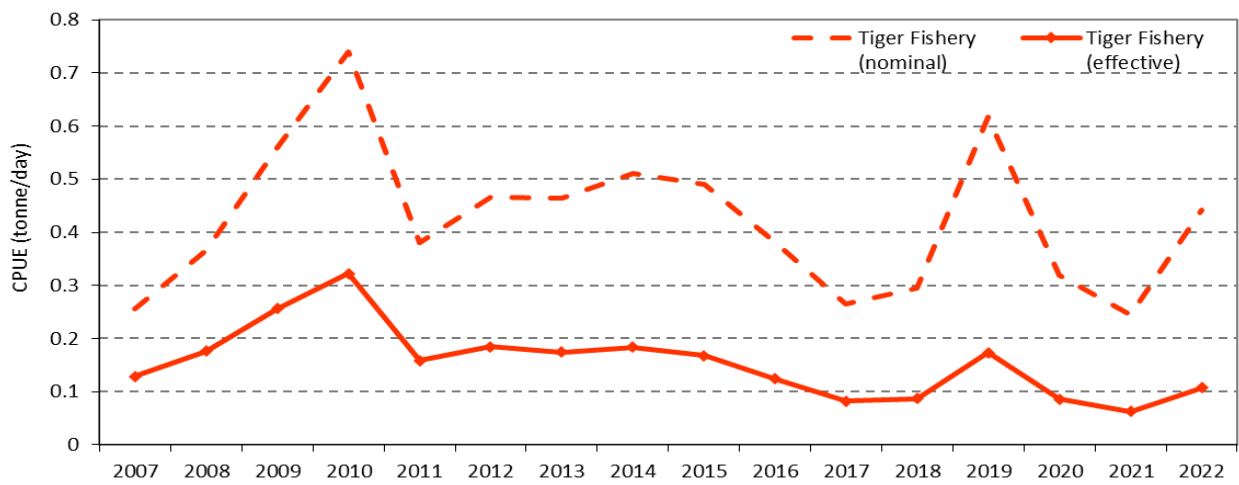


Figure 28c: Nominal and effective catch rate for the Tiger Prawn fishery in the Bold area - 2007 to 2022.

Sweers

Banana Prawn catches in the Sweers area decreased from 229 t in 2021 to 119 t in 2022 (Figure 29). Catches of Tiger Prawns decreased from 31 t in 2021 to 19 t in 2022. Endeavour Prawns also decreased from 27 t in 2021 to 13 t in 2022. Banana Prawns comprised 78.8% of the catch in 2022. Tiger and Endeavour Prawns comprised 12.6% and 8.6% of the catch, respectively, in 2022 (Figure 30a).

Effort in the Banana Prawn fishery decreased from 79 days in 2021 to 39 days in 2022 (Figure 31a). CPUE of Banana Prawns increased from 2.89 t per day in 2021 to 3.03 in 2022 (Figure 31b). Effort in the Tiger Prawn fishery decreased from 127 days in 2021 to 65 days in 2022 (Figure 31a). Nominal CPUE of Tiger Prawns increased from 0.47 t per day in 2021 to 0.51 t per day in 2022, effective CPUE remained the same across 2021 and 2022 at 0.12 t per day (Figure 31c).

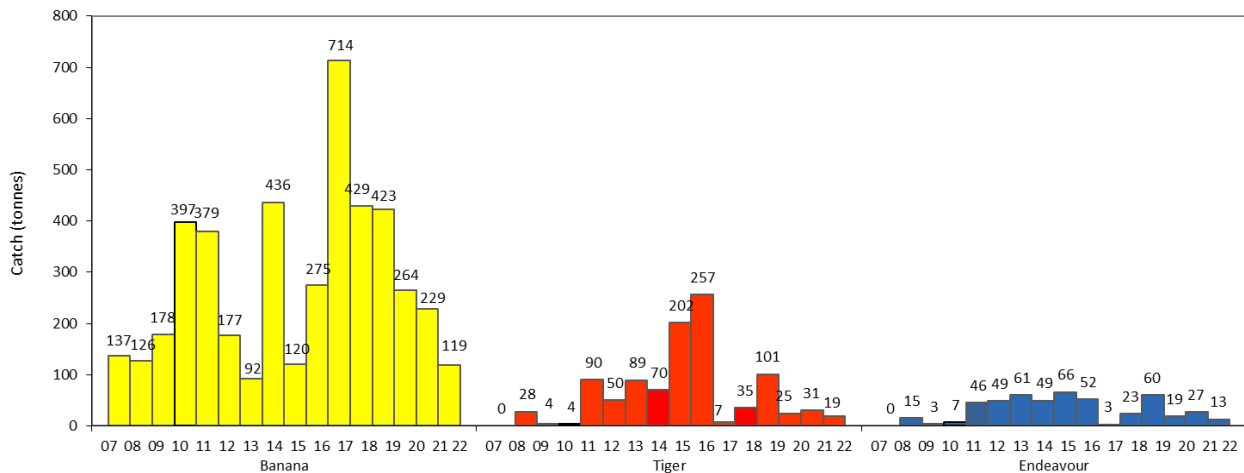


Figure 29: Catch by species in the Sweers area - 2007 to 2022.

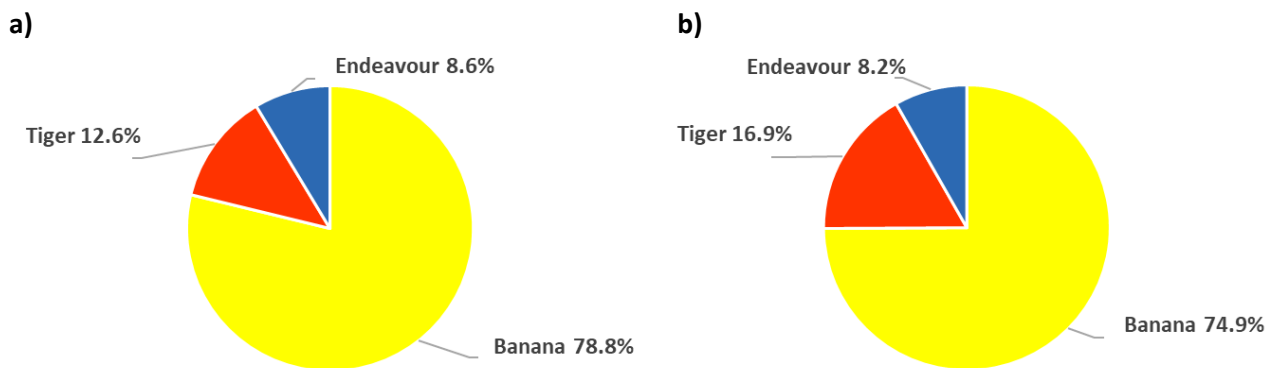


Figure 30: (a) Percentage catch of prawn species in the Sweers area during 2022, and (b) percentage catch of prawn species in the Sweers area - 2007 to 2022.

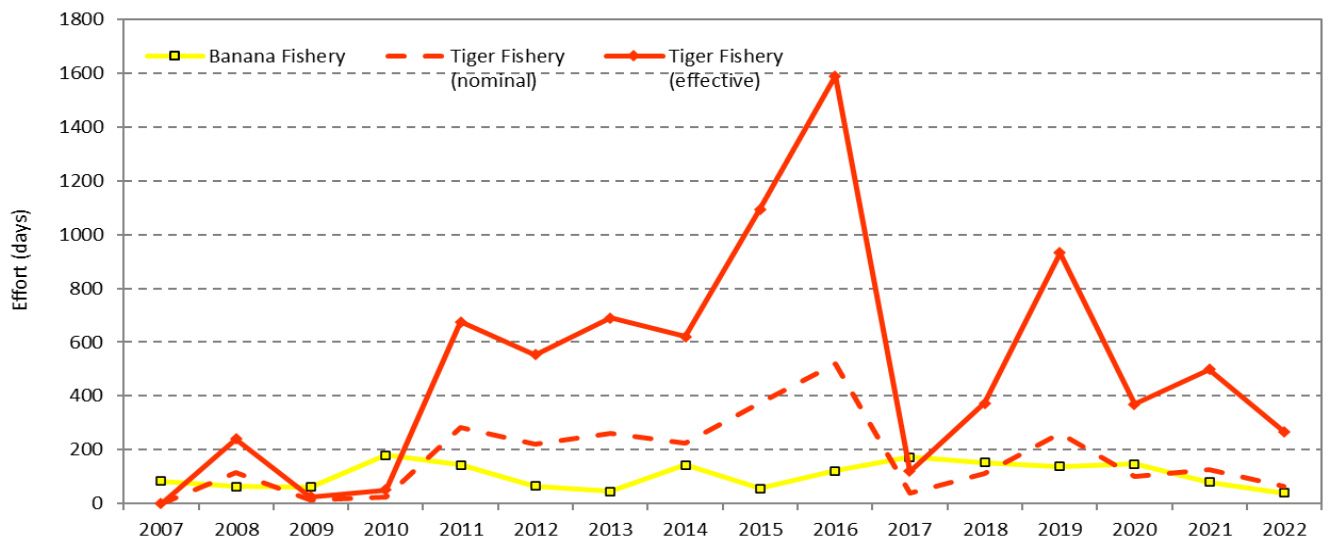


Figure 31a: Effort for the banana and Tiger Prawn fisheries in the Sweers area - 2007 to 2022.

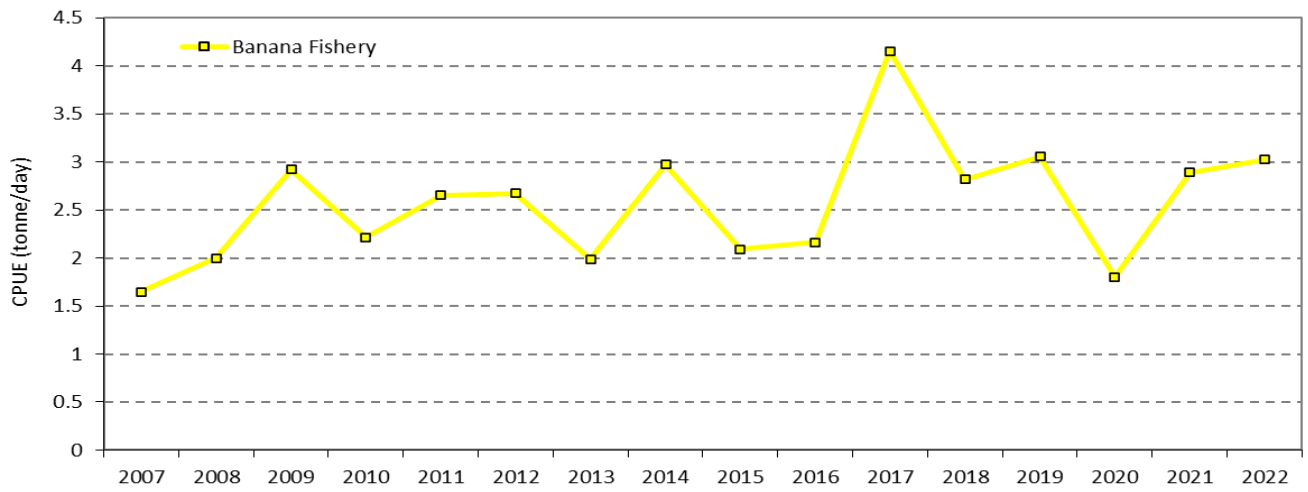


Figure 31b: Catch rate for the Banana Prawn fishery in the Sweers area - 2007 to 2022.

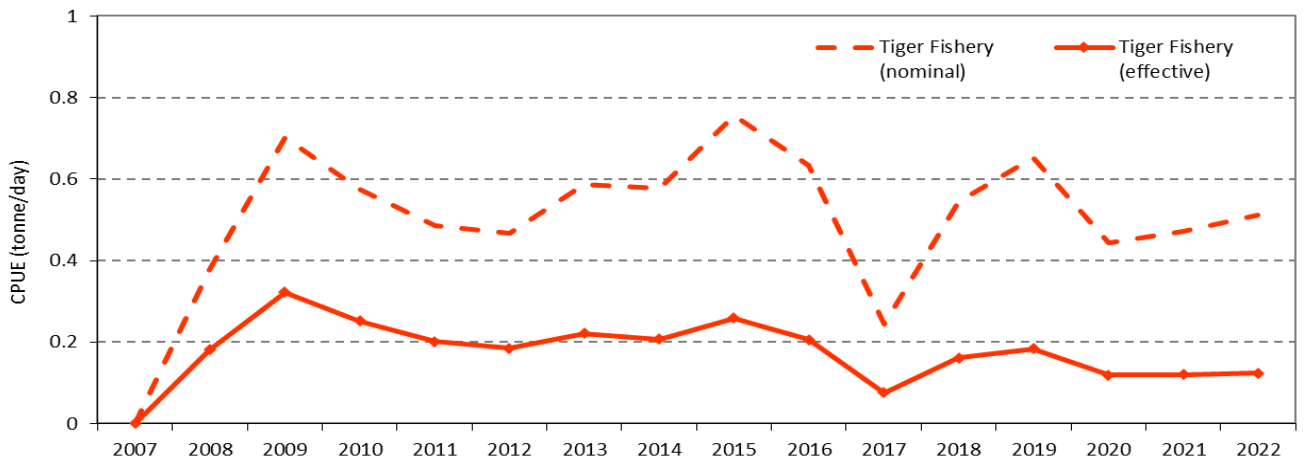


Figure 31c: Nominal and effective catch rate for the Tiger Prawn fishery in the Sweers area - 2007 to 2022.

Mornington

Banana Prawn catches in the Mornington area decreased from 180 t in 2021 to 29 t in 2022 (Figure 32). Catches of Tiger Prawns increased from 123 t in 2021 to 219 t in 2022. Endeavour Prawn catches increased from 24t in 2021 to 71 t in 2022. In 2022 Banana Prawns comprised 9.1% of the catch. Tiger and Endeavour Prawns contributed 68.7% and 22.3% to the total catch, respectively, in 2022 (Figure 33a).

Effort in the Banana Prawn fishery decreased from 91 days in 2021 to 24 days in 2022 (Figure 34a). CPUE of Banana Prawns decreased from 1.96 t per day in 2021 to 1.14 t per day in 2022 (Figure 34b). Effort in the Tiger Prawn fishery increased from 565 days in 2021 to 808 days in 2022 (Figure 34a). Nominal and effective CPUE of Tiger Prawns increased from 0.26 and 0.06 t per day, respectively in 2021 to 0.37 and 0.09 t per day in 2022 (Figure 34c).

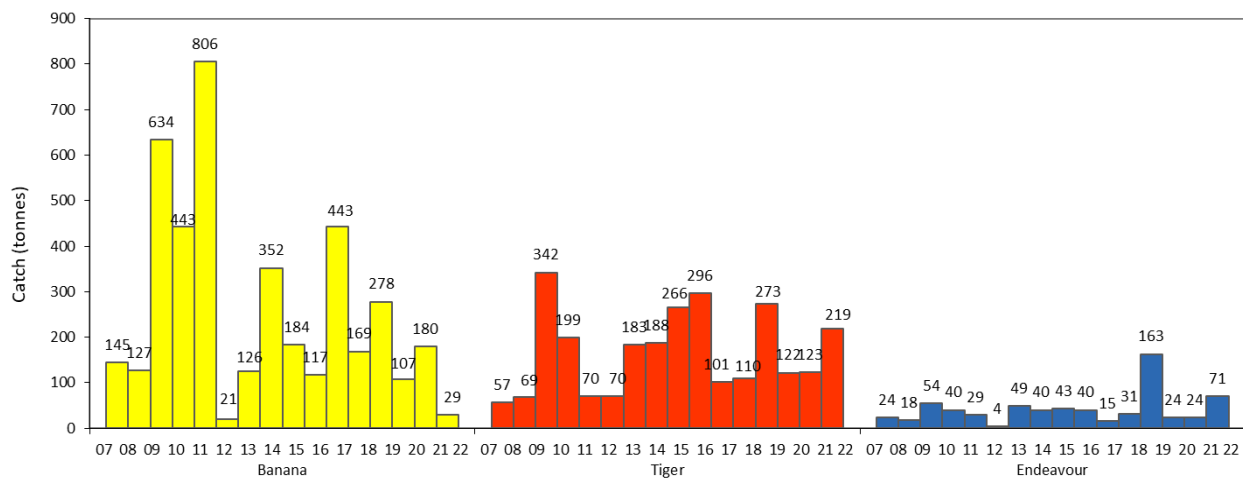


Figure 32: Catch by species in the Mornington area - 2007 to 2022.

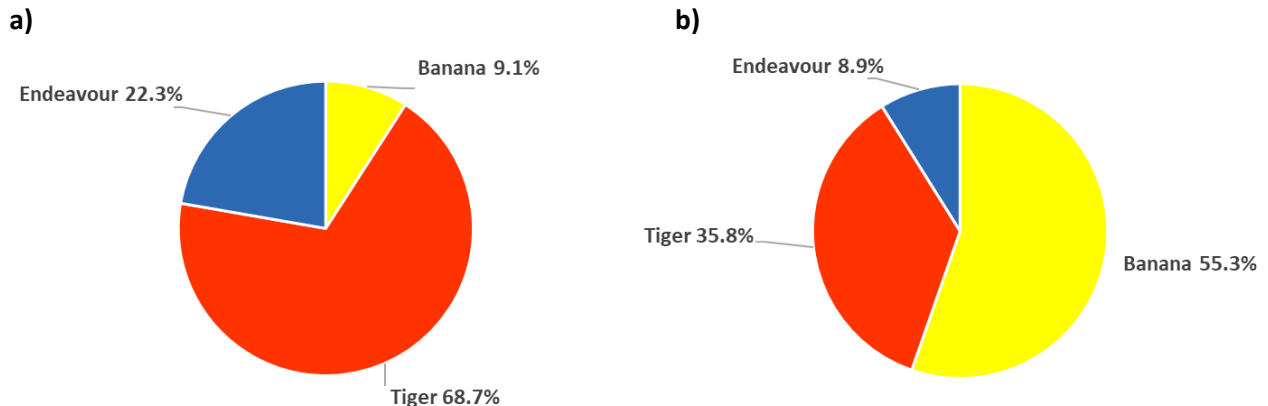


Figure 33: (a) Percentage catch of prawn species in the Mornington area during 2022 and (b) percentage catch of prawn species in the Mornington area – 2007 to 2022.

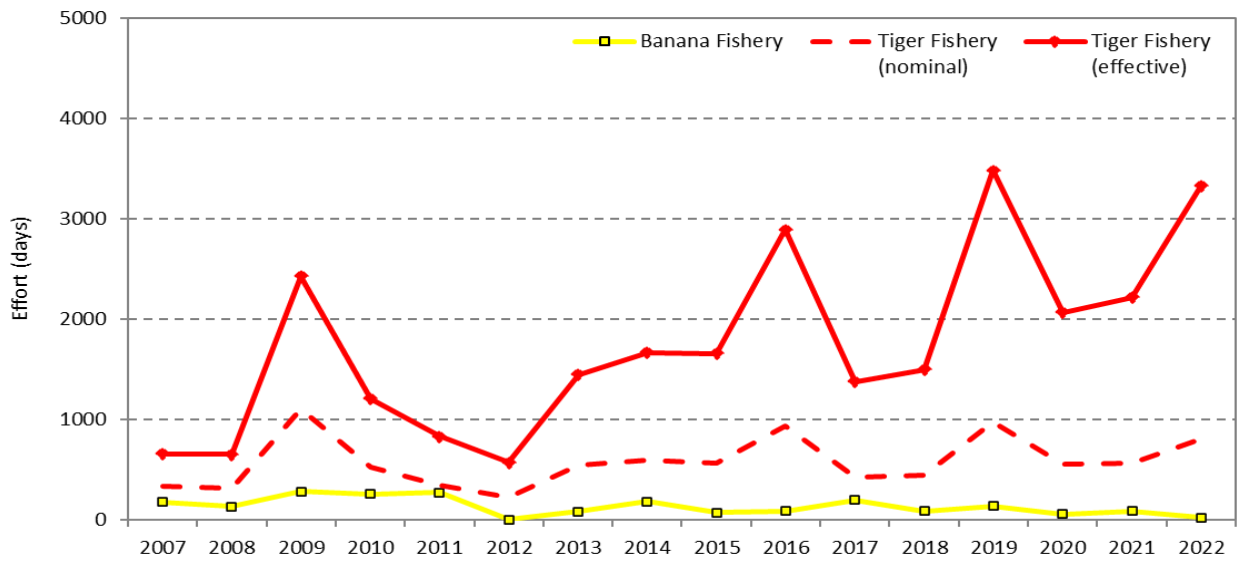


Figure 34a: Effort for the banana and Tiger Prawn fisheries in the Mornington area - 2007 to 2022.

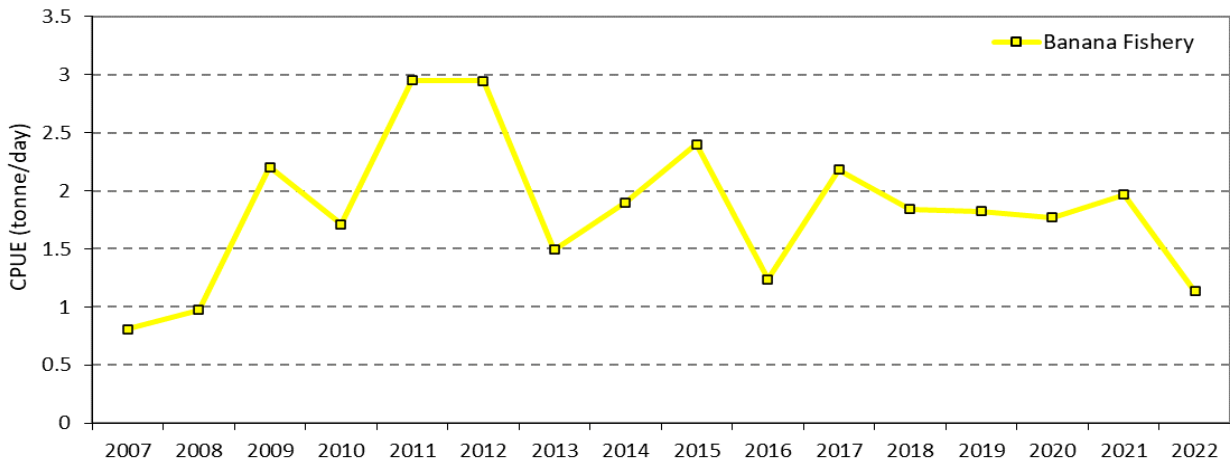


Figure 34b: Catch rate for the Banana Prawn fishery in the Mornington area - 2007 to 2022.

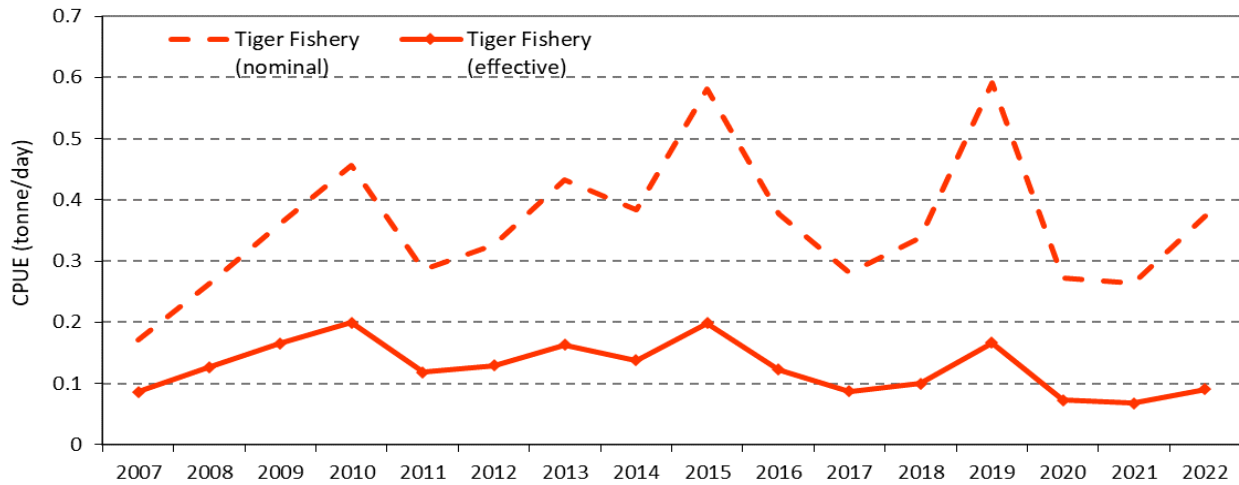


Figure 34c: Nominal and effective catch rate for the Tiger Prawn fishery in the Mornington area - 2007 to 2022.

Limmen Bight

Banana Prawn catches in the Limmen Bight area decreased from 59 t in 2021 to 25 t in 2022 (Figure 35). Catches of Tiger Prawns decreased from 420 t in 2021 to 300 t in 2022. Endeavour Prawn catches decreased from 99 t in 2021 to 46 t in 2022. Tiger Prawns were the predominant catch in this area in 2022, comprising 80.86% of the total catch. Banana and Endeavour Prawns contributed 6.74% and 12.4%, respectively in 2022 (Figure 36).

Effort in the Banana Prawn fishery decreased from 47 days in 2021 to 18 days in 2022 (Figure 37a). CPUE of Banana Prawns increased from 1.26 t in 2021 to 1.35 t in 2022 (Figure 37b). Effort in the Tiger Prawn fishery decreased from 1736 days in 2021 to 1079 days in 2022 (Figure 37a). Nominal and effective CPUE of Tiger Prawns remained similar with 0.30 and 0.08 t per day in 2021 compared to 0.33 and 0.08 t per day in 2022 (Figure 37c).

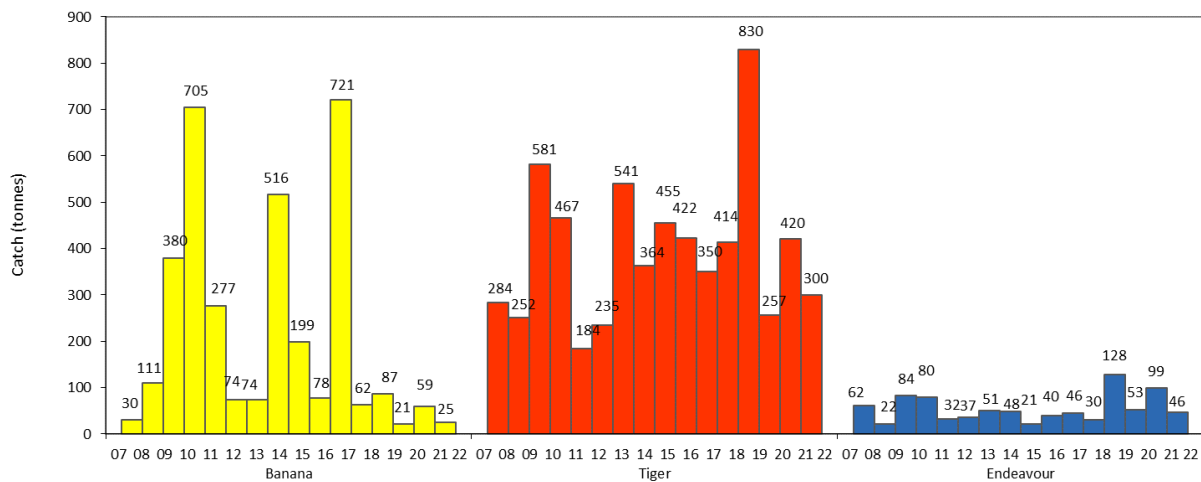


Figure 35: Catch by species in the Limmen Bight area – 2007 to 2022.

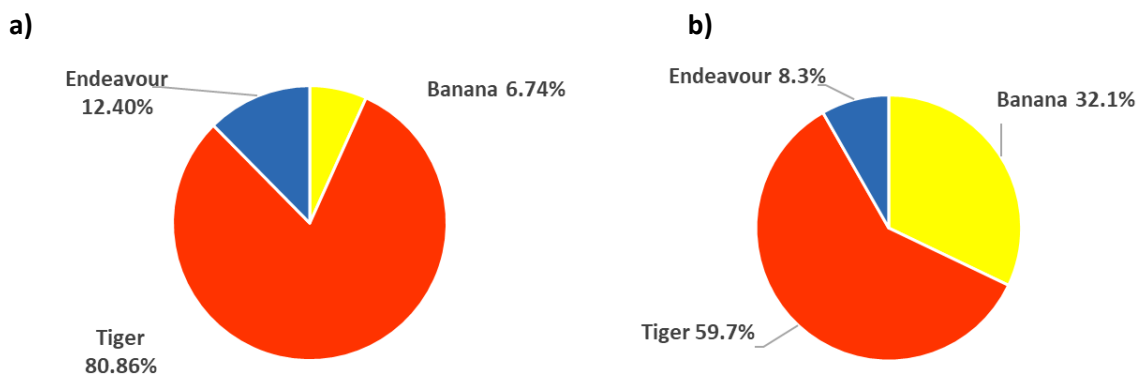


Figure 36: (a) Percentage catch of prawn species in the Limmen Bight area during 2022 and (b) percentage catch of prawn species in the Limmen Bight area – 2007 to 2022.

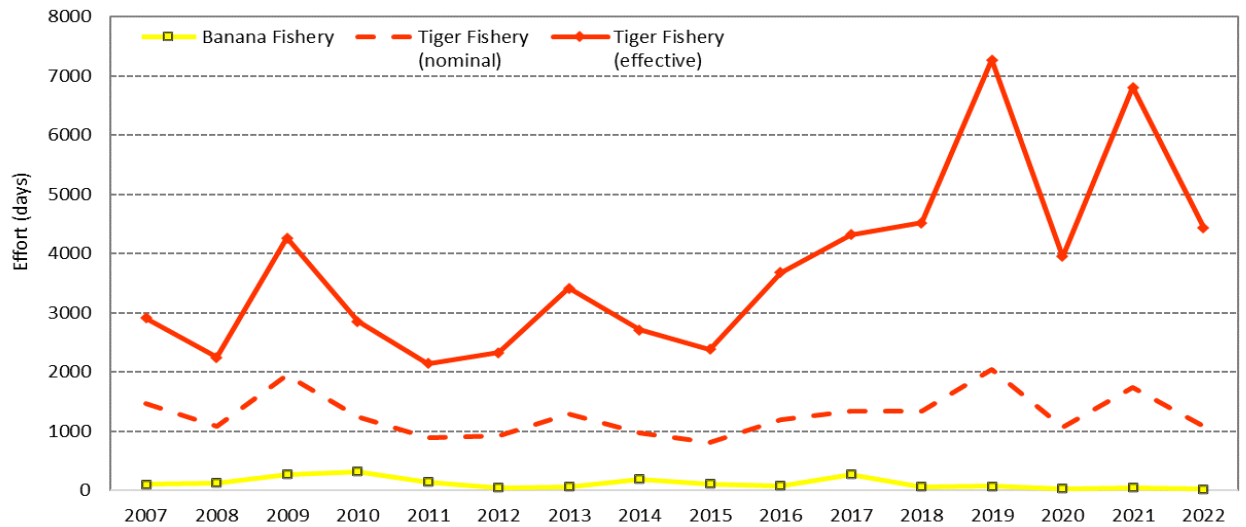


Figure 37a: Effort for the banana and Tiger Prawn fisheries in the Limmen Bight area - 2007 to 2022.

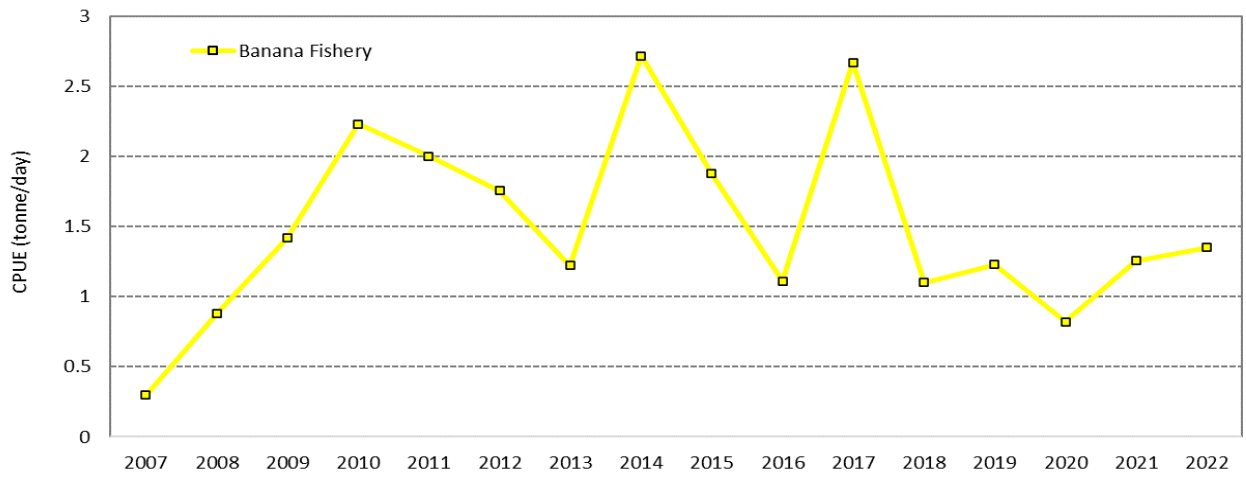


Figure 37b: Catch rate for the Banana Prawn fishery in the Limmen Bight area – 2007 to 2022.

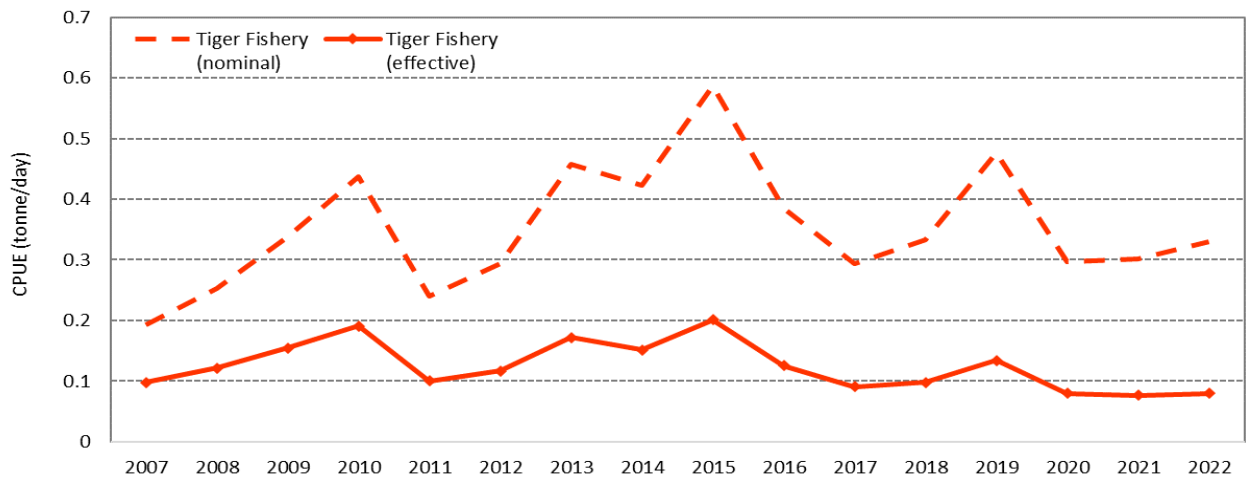


Figure 37c: Nominal and effective catch rate for the Tiger Prawn fishery in the Limmen Bight area - 2007 to 2022.

Groote

Banana Prawn catches in the Groote area decreased from 54 t in 2021 to 0.19 t in 2022 (Figure 38). Catches of Tiger Prawns decreased from 138 t in 2021 to 75 t in 2022. Endeavour Prawn catches decreased from 74 t in 2021 to 21 t in 2022. Tiger Prawns were the predominant catch in this, comprising 77.9%. Banana and Endeavour Prawns contributed 0.2% and 21.9%, respectively, in 2022 (Figure 39).

Effort in the Banana Prawn fishery decreased from 48 days in 2021 to 7 days in 2022 (Figure 40a). CPUE of Banana Prawns decreased 1.09 t per day in 2021 to 0.01 t per day in 2022 (Figure 40b). Effort in the Tiger Prawn fishery decreased from 667 days in 2021 to 303 days in 2022 (Figure 40a). Nominal and effective CPUE of Tiger Prawns remained the same 0.30 and 0.08 t, respectively per day in 2021/22 (Figure 40c).

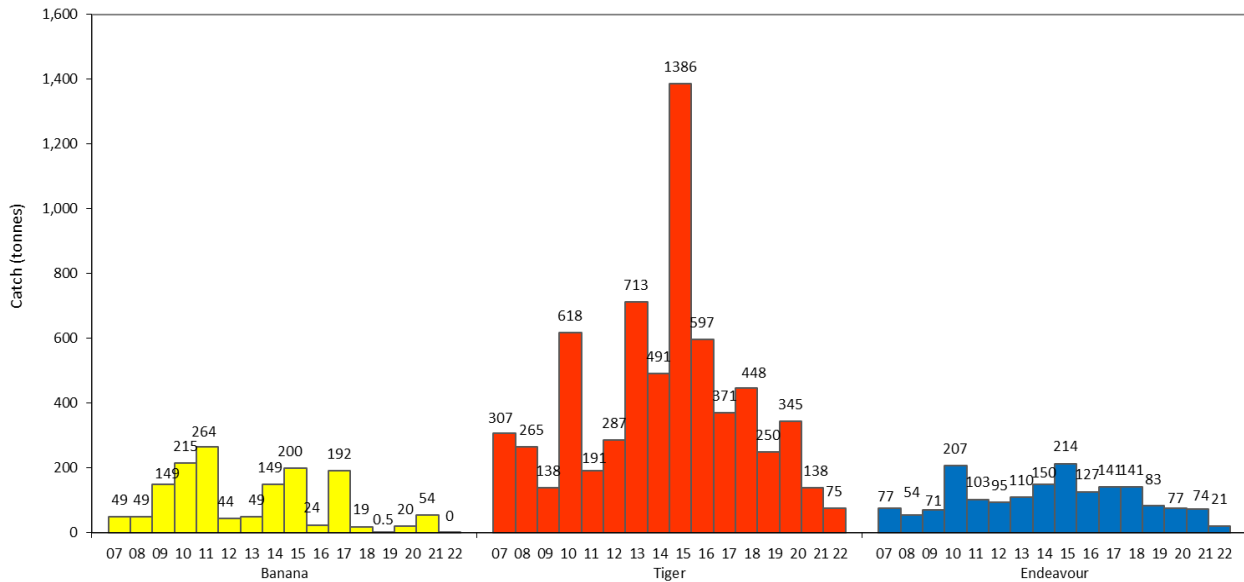


Figure 38: Catch by species in the Groote area - 2007 to 2022.

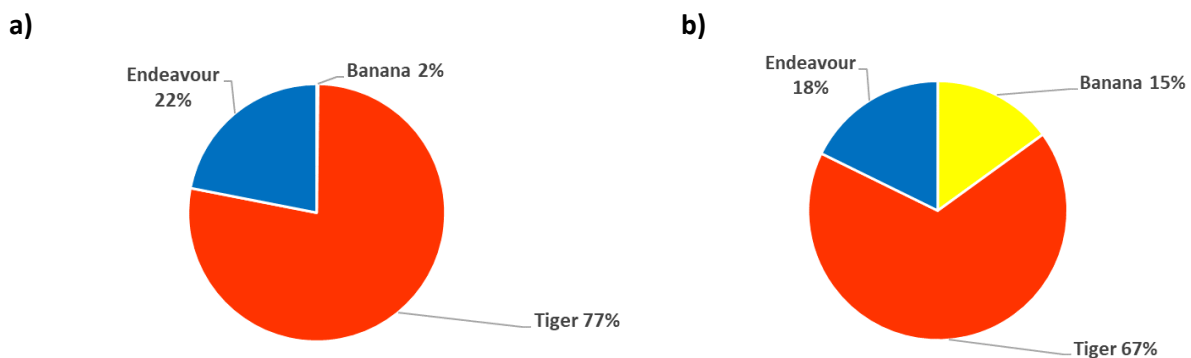


Figure 39: (a) Percentage catch of prawn species in the Groote area during 2022 and (b) percentage catch of prawn species in the Groote area - 2007 to 2022.

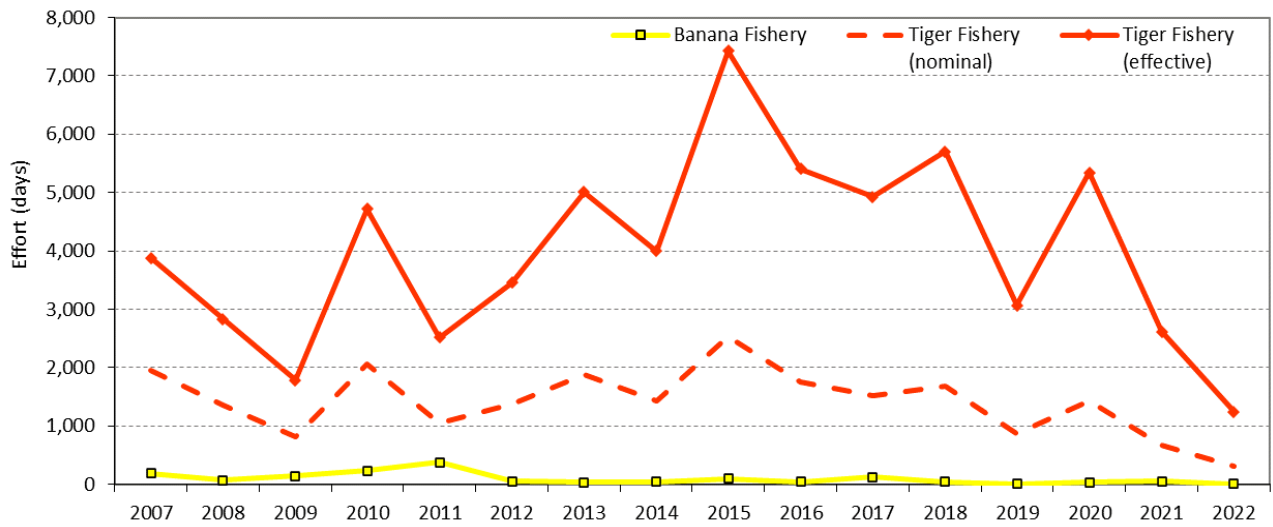


Figure 40a: Effort for the banana and Tiger Prawn fisheries in the Groote area - 2007 to 2022.

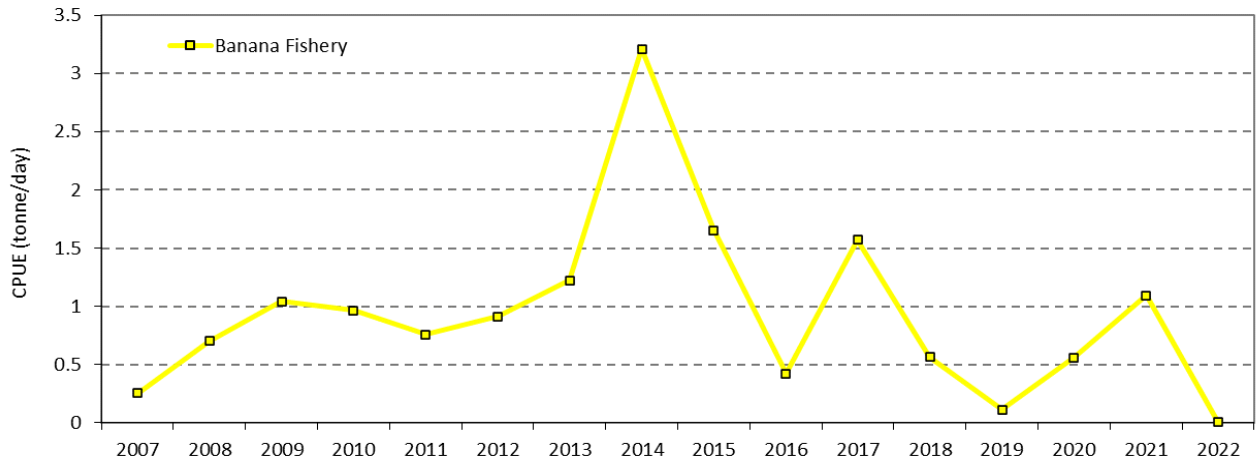


Figure 40b: Catch rate for the Banana Prawn fishery in the Groote area – 2007 to 2022.

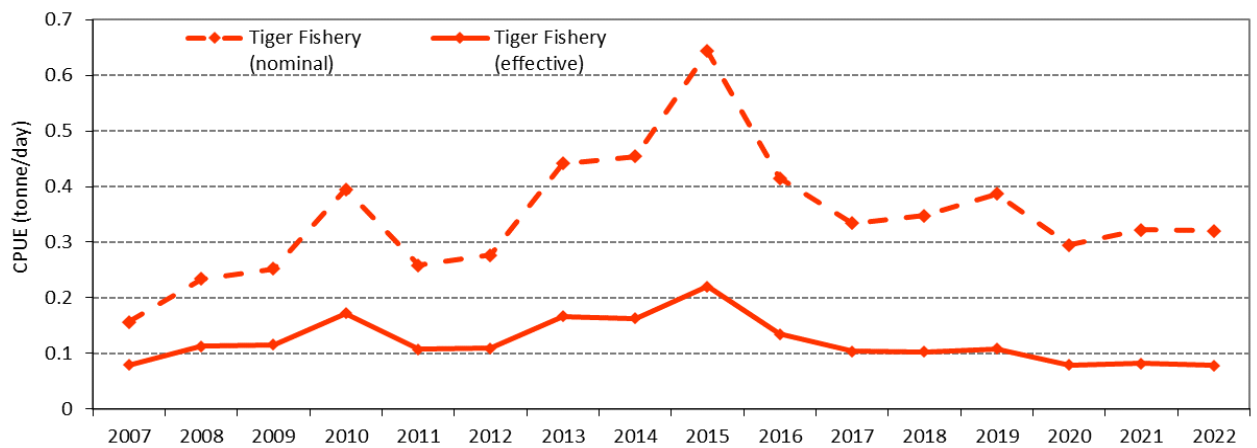


Figure 40c: Nominal and effective catch rate for the Tiger Prawn fishery in the Groote area - 2007 to 2022.

Gove

Banana Prawn catches in the Gove area increased from 88 t in 2021 to 108 t in 2022 (Figure 41). Catches of Tiger Prawns decreased from 86 t in 2021 to 53 t in 2022. Endeavour Prawn catches decreased from 15 t in 2021 to 7 t in 2022. Banana Prawns comprised 64% of the catch for this area followed by 32% Tiger Prawns and 4% Endeavour Prawns (Figure 42).

Effort in the Banana Prawn fishery was 96 days in 2021 and 2022 (Figure 43a). CPUE of Banana Prawns increased from 0.9 t per day in 2021 to 1.12 t per day in 2022 (Figure 43b). Effort in the Tiger Prawn fishery decreased from 362 days in 2021 to 234 days in 2022 (Figure 43a). Nominal and effective CPUE for Tiger Prawns decreased slightly from 0.28 and 0.07 t per day in 2021 to 0.26 and 0.06 t per day in 2022 (Figure 43c).

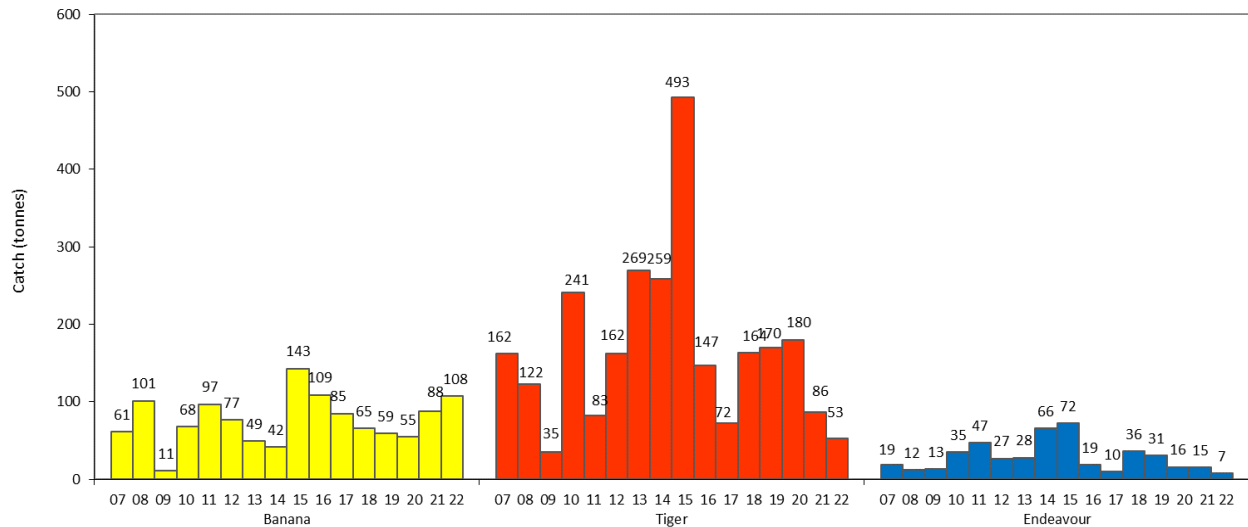


Figure 41: Catch by species in the Gove area - 2007 to 2022.

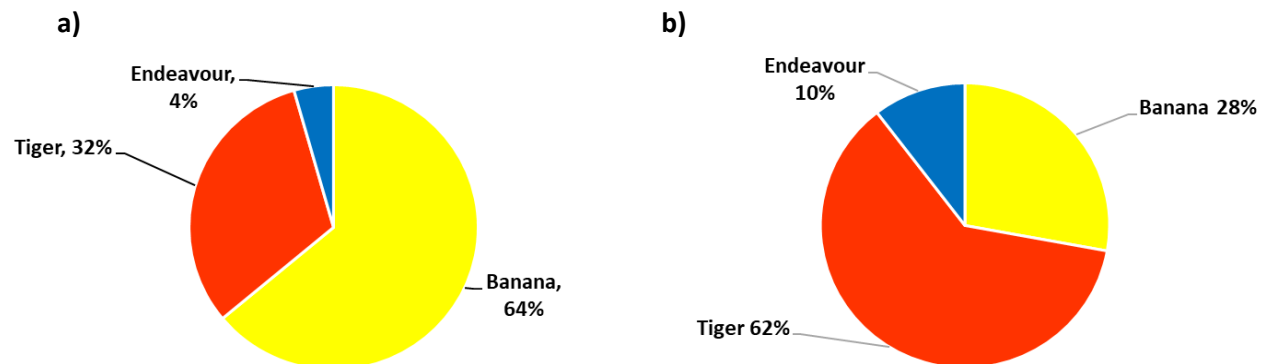


Figure 42: (a) Percentage catch of prawn species in the Gove area during 2022 and (b) percentage catch of prawn species in the Gove area - 2007 to 2022.

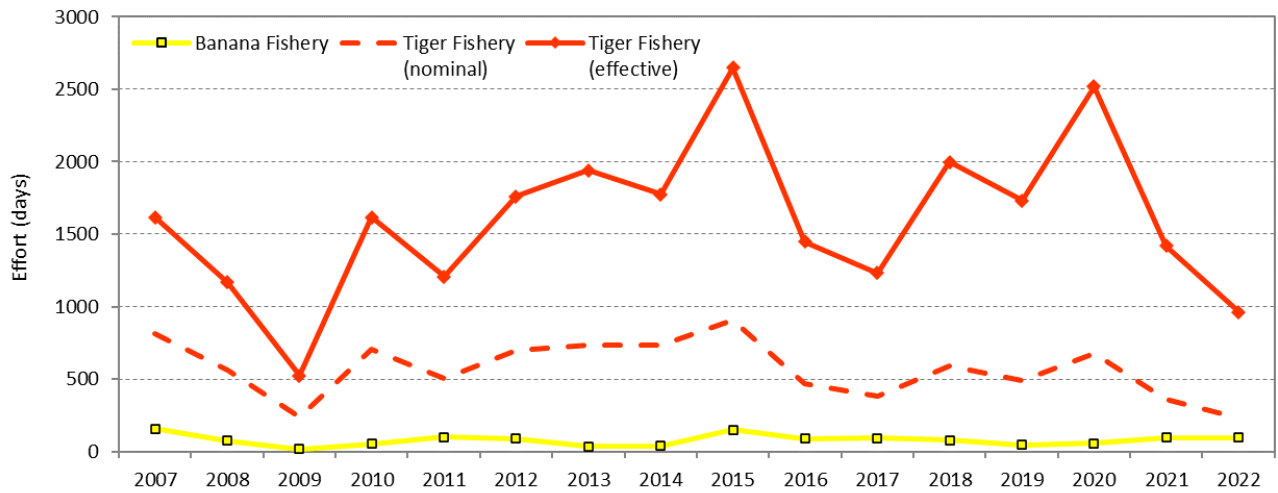


Figure 43a: Effort for the banana and Tiger Prawn fisheries in the Gove area - 2007 to 2022.

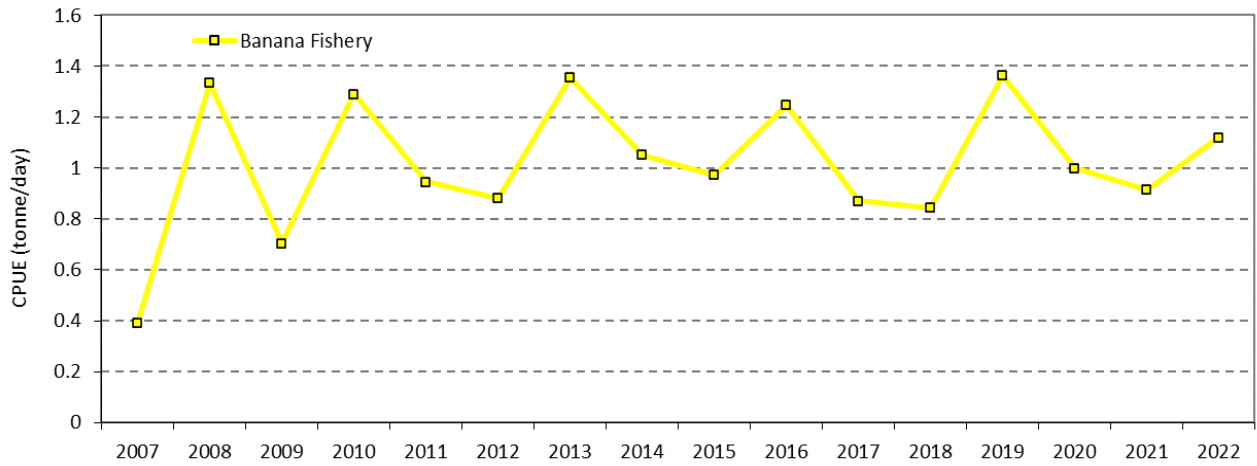


Figure 43b: Catch rate for the Banana Prawn fishery in the Gove area - 2007 to 2022.

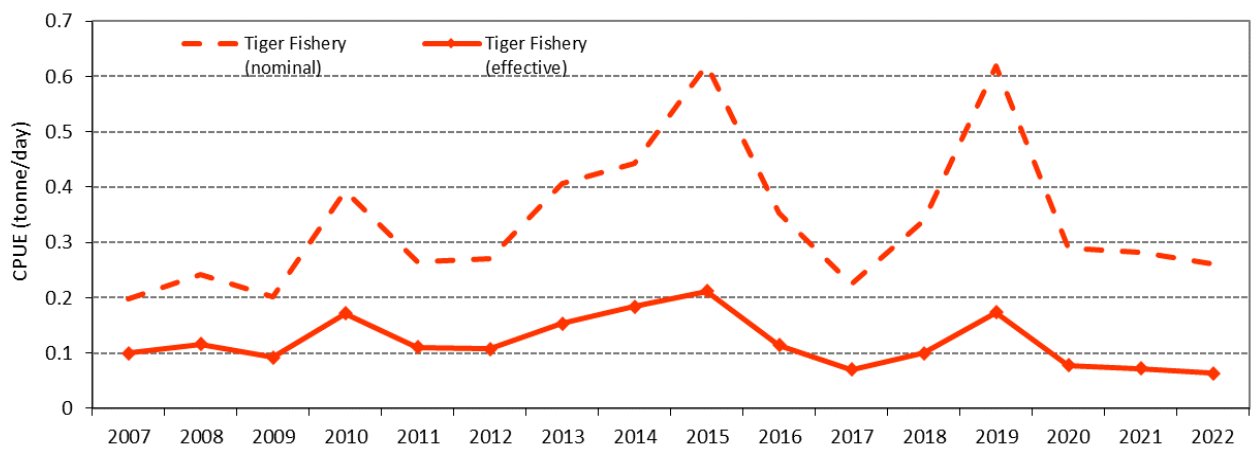


Figure 43c: Nominal and effective catch rate for the Tiger Prawn fishery in the Gove area - 2007 to 2022.

Arnhem

Banana Prawn catches in the Arnhem area increased from 134 t in 2021 to 382 t in 2022. Catches of Tiger Prawns decreased from 28 t in 2021 to 11 t in 2022. Catch of Endeavour Prawns decreased from 8 t in 2021 to 2 t in 2022 (Figure 44). Banana Prawns were the predominant catch in 2021, comprising 96.9% (Figure 45). The remaining catch comprised 2.7% Tiger Prawns and 1.5% Endeavour Prawns.

Effort in the Banana Prawn fishery increased from 111 days in 2021 to 158 days in 2022 (Figure 46a). CPUE of Banana Prawns also increased from 1.21 t per day in 2021 to 2.41 t per day in 2022 (Figure 46b). Effort in the Tiger Prawn fishery decreased from 121 days in 2021 to 54 days in 2022 (Figure 46a). Nominal and effective CPUE of Tiger Prawns decreased from 0.29 and 0.07 t per day for 2021 to 0.23 and 0.06 t per day for 2022 (Figure 46c).

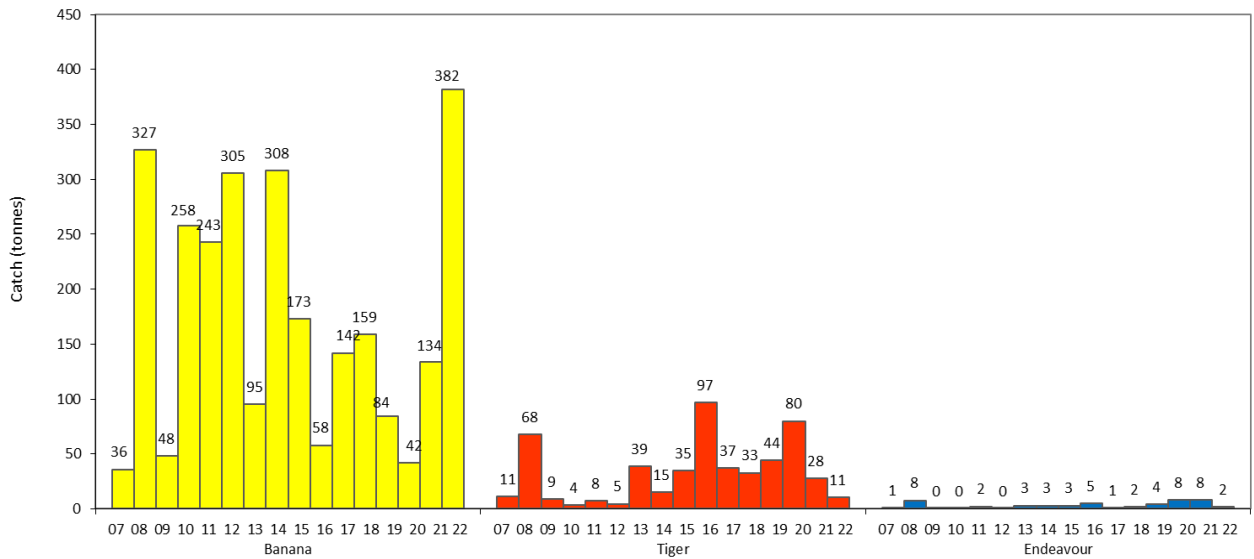


Figure 44: Catch by species in the Arnhem area - 2007 to 2022.

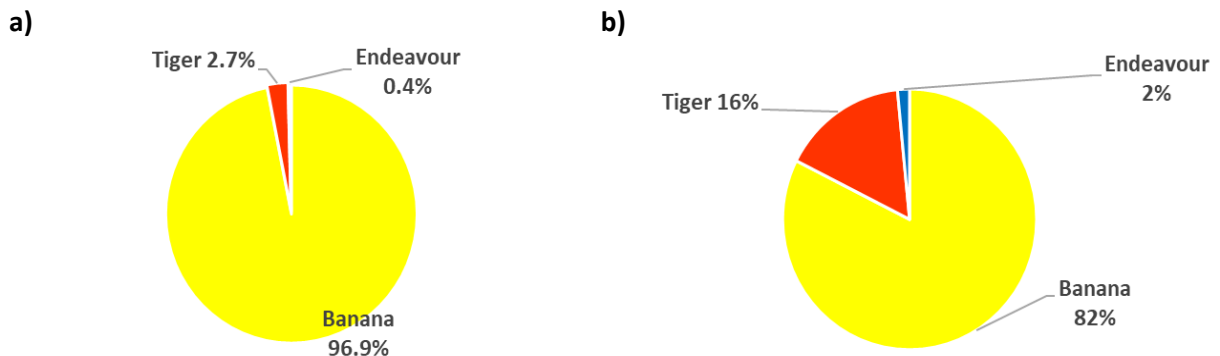


Figure 45: (a) Percentage catch of prawn species in the Arnhem area during 2022 and (b) percentage catch of prawn species in the Arnhem area - 2007 to 2022.

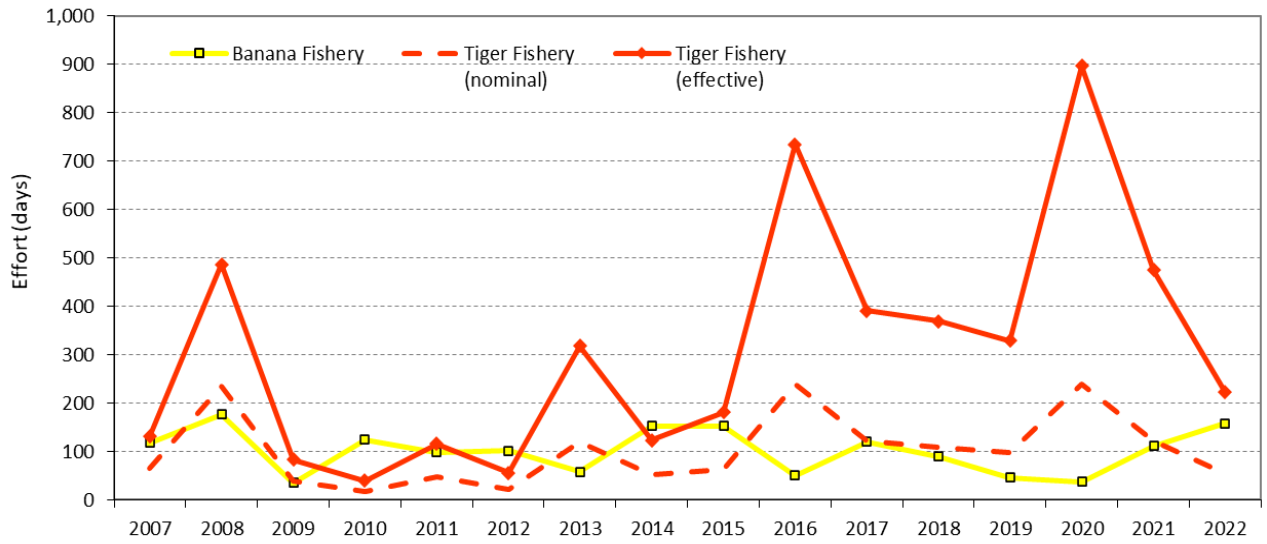


Figure 46a: Effort for the banana and Tiger Prawn fisheries in the Arnhem area - 2007 to 2022.

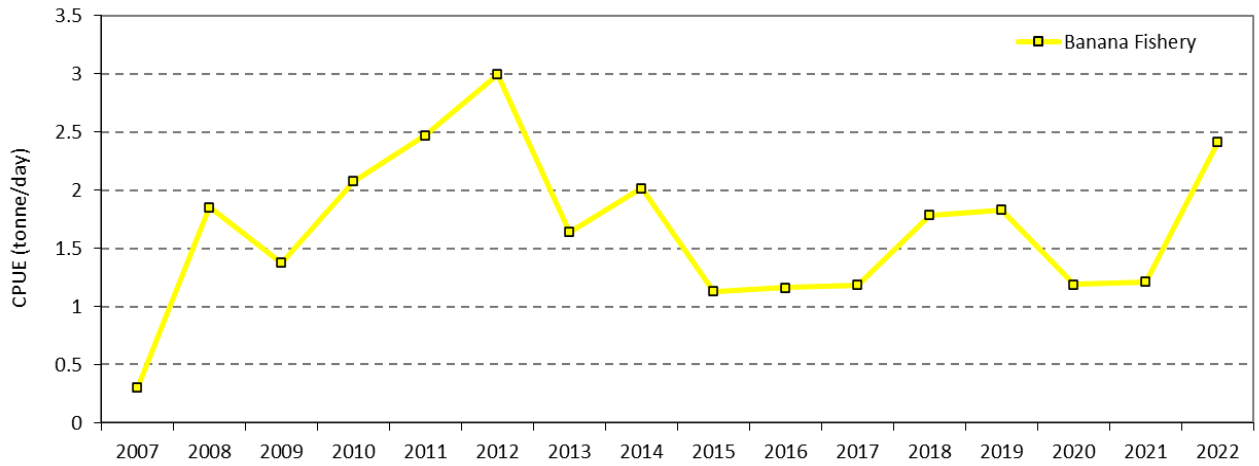


Figure 46b: Catch rate for the Banana Prawn fishery in the Arnhem area - 2007 to 2022.

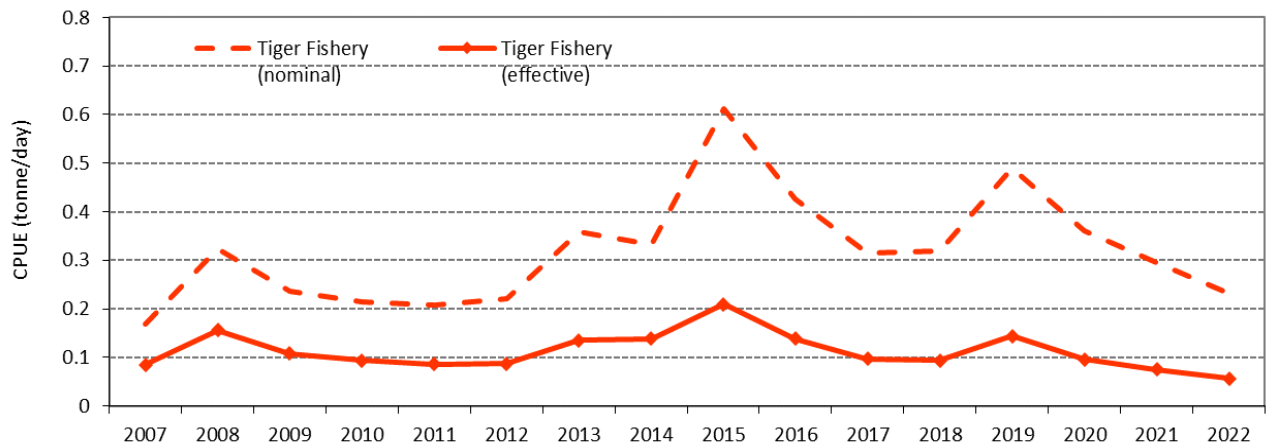


Figure 46c: Nominal and effective catch rate for the Tiger Prawn fishery in the Arnhem area - 2007 to 2022.

Port Essington

Banana Prawn catches in the Port Essington area increased from 242 t in 2021 to 411 t in 2022 (Figure 47). Tiger Prawn catches decreased from 29 t in 2021 to 24 t in 2022. Endeavour Prawn catches also decreased from 32 t in 2021 to 17 t in 2022. Banana Prawns comprised 90.9% of the catch in 2022. Tiger Prawns accounted for 5.3% and Endeavour Prawns 3.8% (Figure 48).

Effort in the Banana Prawn fishery increased from 291 in 2021 to 353 days in 2022 (Figure 49a). CPUE of Banana Prawns increased from 0.83 t per day in 2021 to 1.17 in 2022 (Figure 49b). Effort in the Tiger Prawn fishery decreased from 168 days in 2021 to 107 days in 2022 (Figure 49a). Nominal CPUE of Tiger Prawns decreased slightly from 0.36 t per day in 2021 to 0.35 in 2022. Effective CPUE of Tiger Prawns was 0.09 t per day in 2021 and 2022 (Figure 49c).

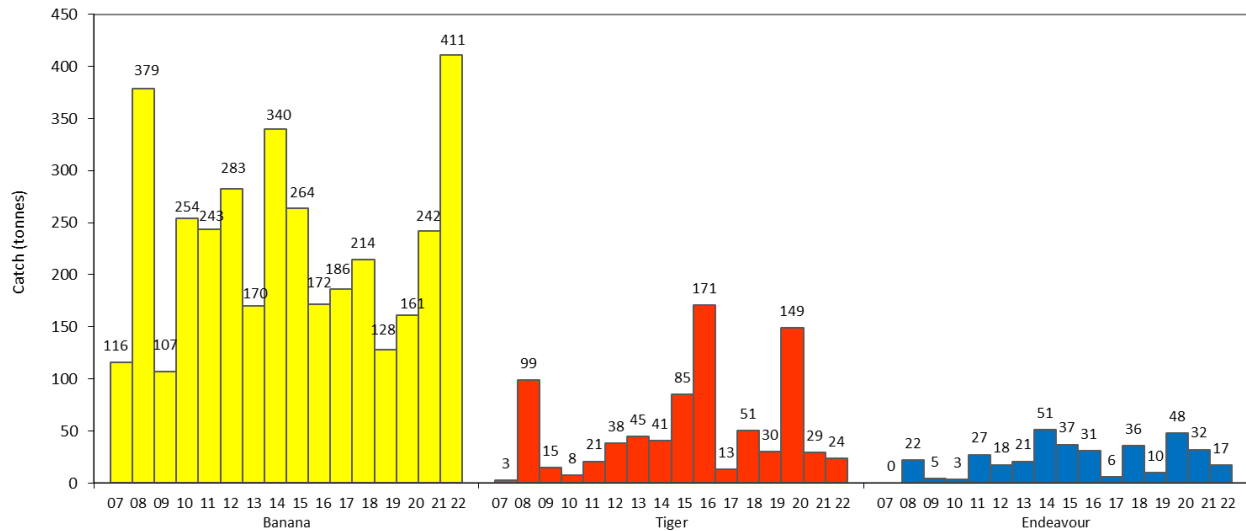


Figure 47: Catch by species in the Port Essington area - 2007 to 2022.

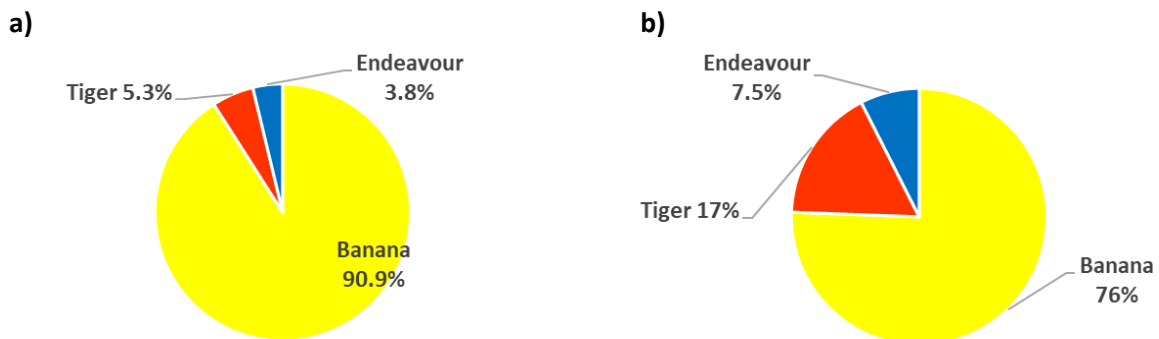


Figure 48: (a) Percentage catch of prawn species in the Port Essington area during 2022, and (b) percentage catch of prawn species in the Port Essington area - 2007 to 2022.

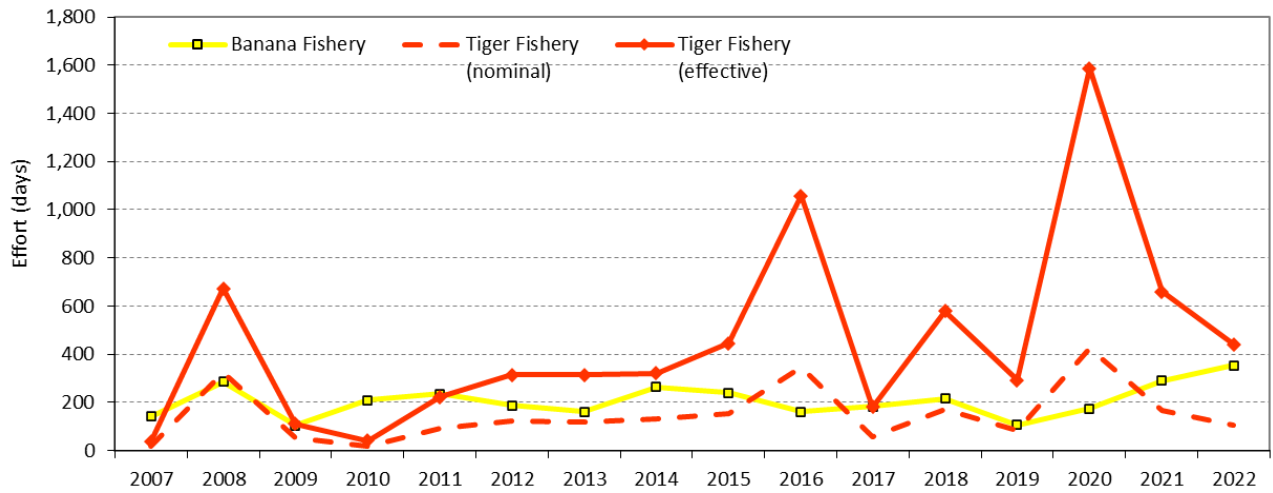


Figure 49a: Effort for the banana and Tiger Prawn fisheries in the Port Essington area - 2007 to 2022.

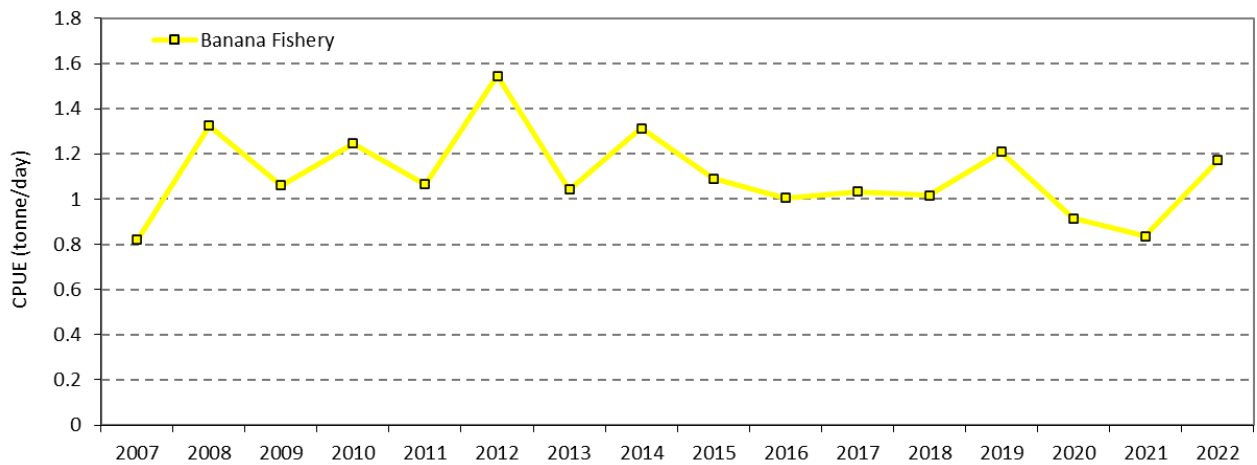


Figure 49b: Catch rate for the Banana Prawn fishery in the Port Essington area - 2007 to 2022.

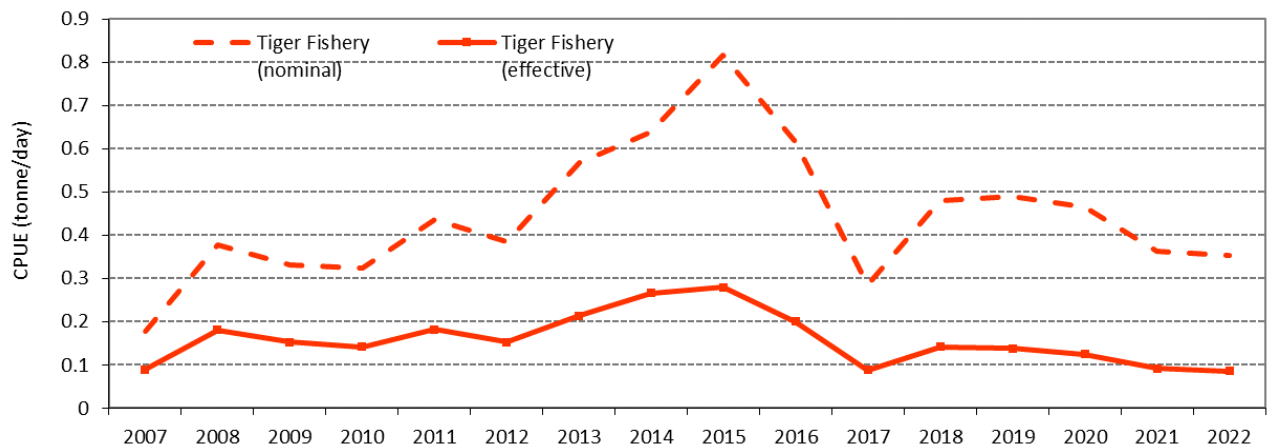


Figure 49c: Nominal and effective catch rate for the Tiger Prawn fishery in the Port Essington area - 2007 to 2022.

Melville

Banana Prawn catches in the Melville area increased from 353 t in 2021 to 374 t in 2022 (Figure 50). Catches of Tiger Prawns decreased from 79 t in 2021 to 47 t in 2022. Endeavour Prawn catches decreased from 99 t in 2021 to 67 t in 2022. Banana Prawns comprised 76.5% of the catch in 2022, with Tiger Prawns comprising 9.6% of the catch and Endeavour Prawns 13.8% (Figure 51).

Effort in the Banana Prawn fishery decreased from 353 days in 2021 to 330 days in 2022 (Figure 52a). CPUE for Banana Prawns increased from 1.02 t per day in 2021 to 1.14 t in 2022 (Figure 52b). Effort in the Tiger Prawn fishery decreased from 358 days in 2021 to 273 days in 2022 (Figure 52a). Nominal and effective CPUE for Tiger Prawns decreased slightly 0.47 t and 0.12 t, respectively per day in 2021 to 0.41 t and 0.1 in 2022 (Figure 52c).

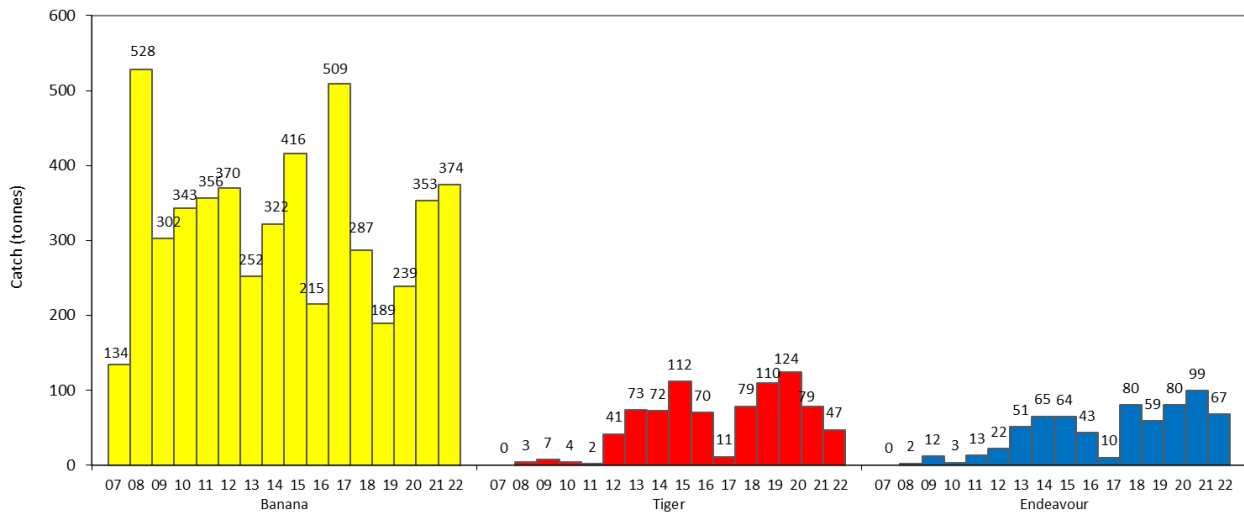


Figure 50: Catch by species in the Melville area - 2007 to 2022.

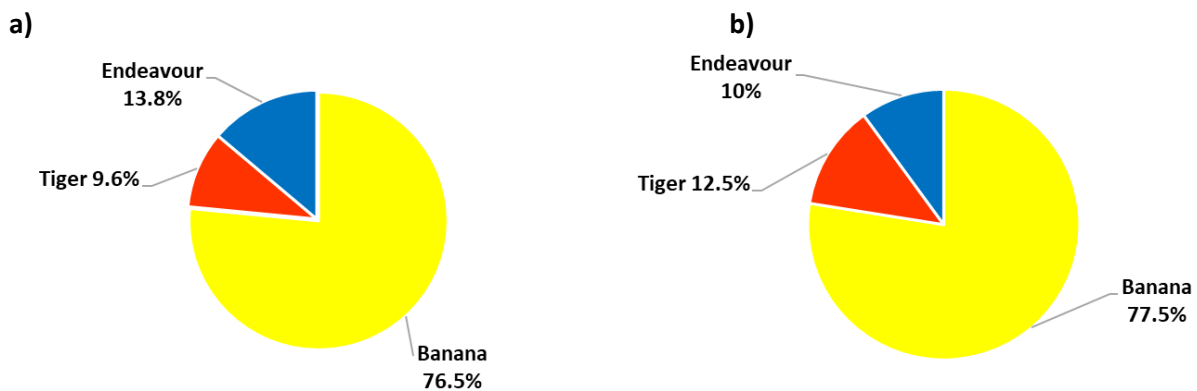


Figure 51: (a) Percentage catch of prawn species in the Melville area during 2022 and (b) percentage catch of prawn species in the Melville area - 2007 to 2022.

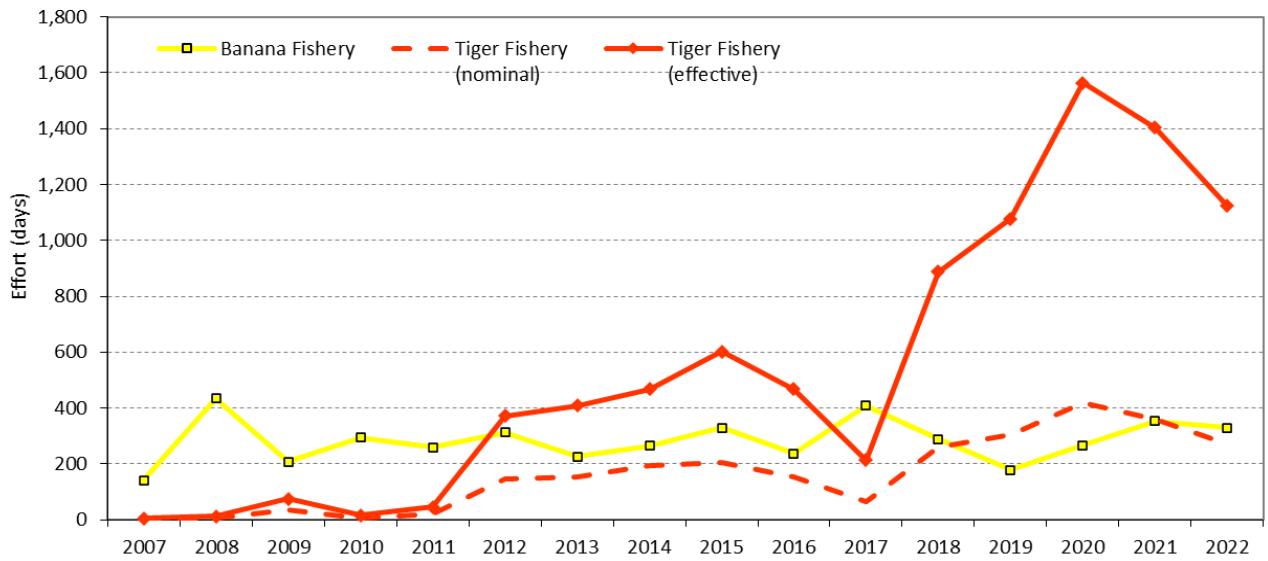


Figure 52a: Effort for the banana and Tiger Prawn fisheries in the Melville area - 2007 to 2022.

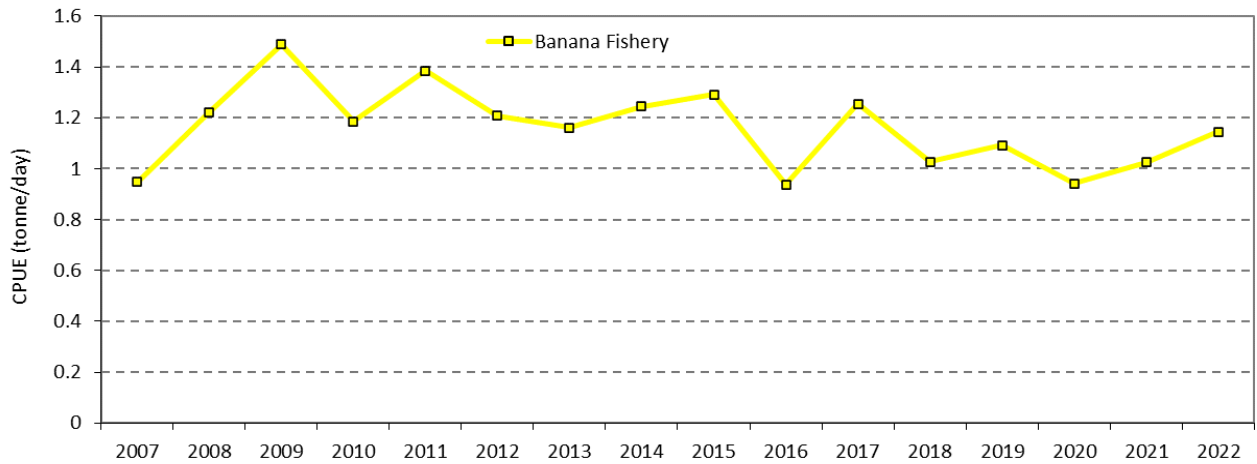


Figure 52b: Catch rate for the Banana Prawn fishery in the Melville area - 2007 to 2022.

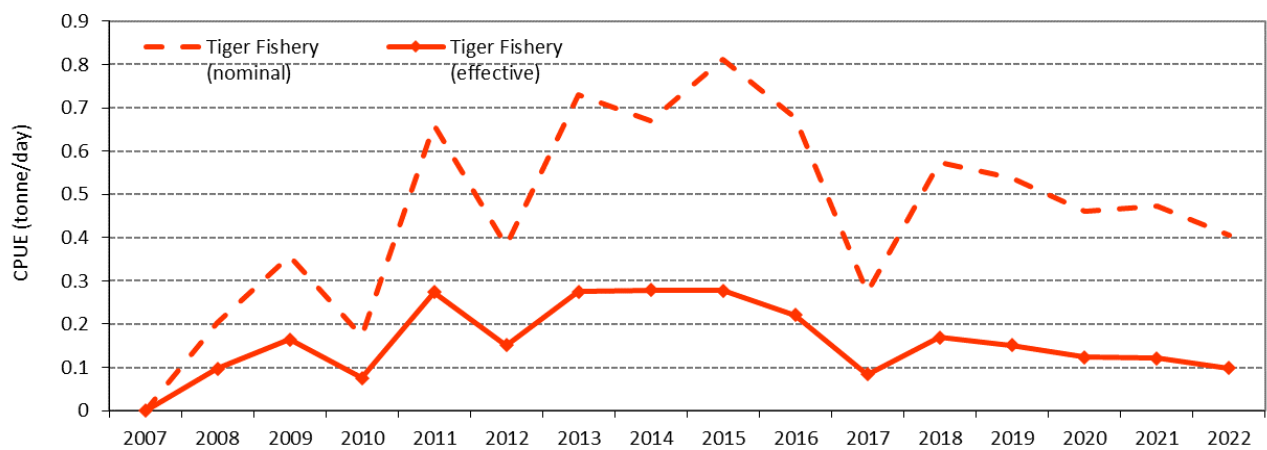


Figure 52c: Nominal and effective catch rate for the Tiger Prawn fishery in the Melville area - 2007 to 2022.

Fog Bay

Banana Prawn catches in the Fog Bay area decreased from 191 t in 2021 to 142 t in 2022 (Figure 53). Catches of Tiger Prawns decreased from 8 t in 2021 to 0.1 t in 2022, and Endeavour Prawn catch decreased from 5 t in 2021 to 0.2 t in 2022. Banana Prawns comprised 99.8% and Endeavour Prawns 0.2% of the catch taken during 2022 in this area (Figure 54).

Effort in the Banana Prawn fishery decreased from 157 days in 2021 to 101 days in 2022 (Figure 55a). CPUE for Banana Prawns increased from 1.20 t per day in 2021 to 1.41 t per day in 2022 (Figure 55b). Effort in the Tiger Prawn fishery decreased from 68 days in 2021 to 2 days in 2022 (Figure 55a). Nominal and effective CPUE for Tiger Prawns decreased from 0.21 and 0.05 t per day in 2021 to 0.14 and 0.03 t in 2022 (Figure 55c).

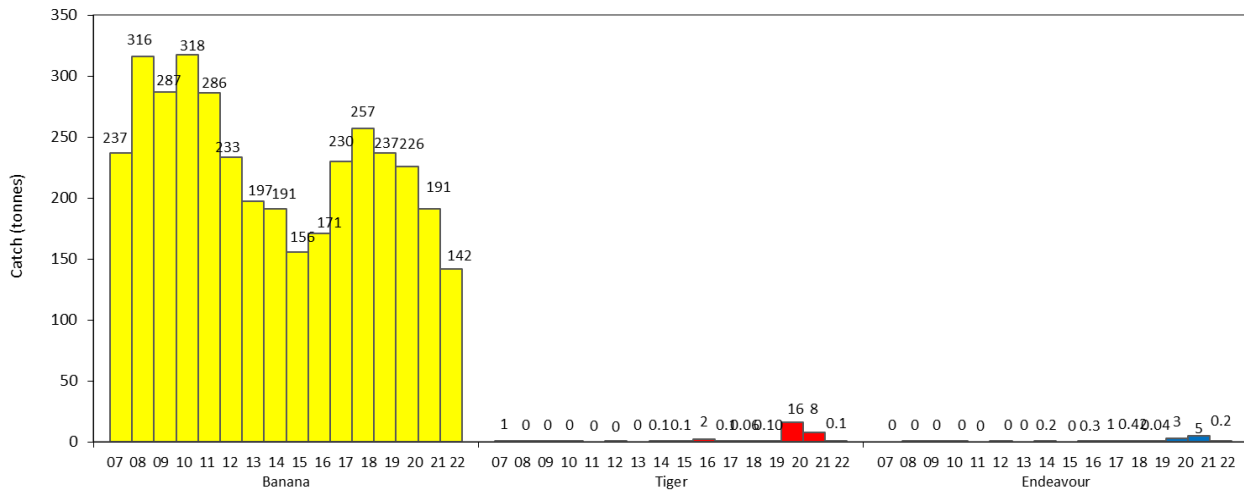


Figure 53: Catch by species in the Fog Bay area - 2007 to 2022.

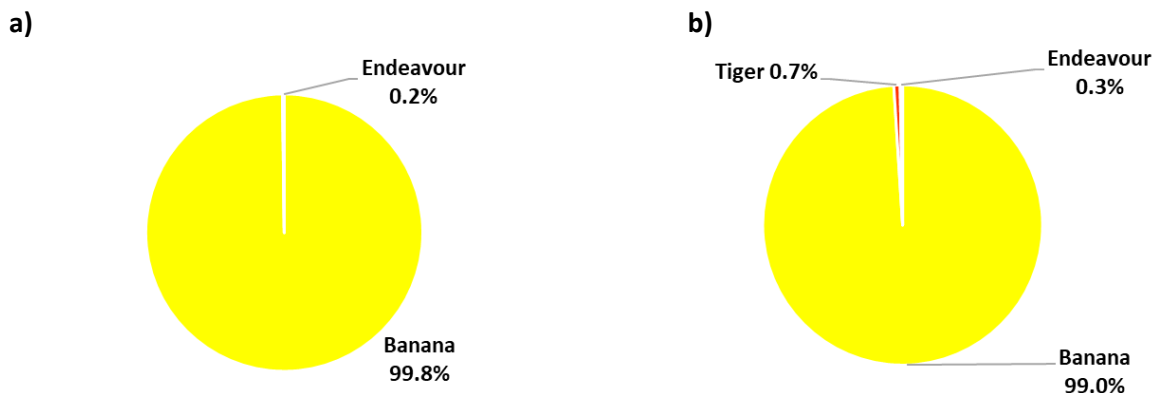


Figure 54: (a) Percentage catch of prawn species in the Fog Bay area during 2022 and (b) percentage catch of prawn species in the Fog Bay area - 2007 to 2022.

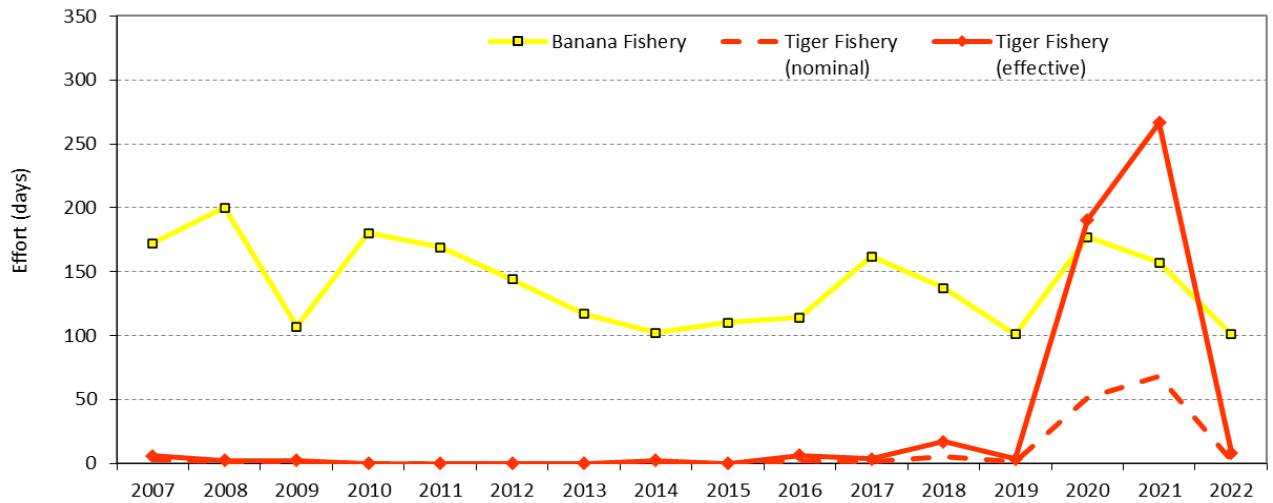


Figure 55a: Effort for the banana and Tiger Prawn fisheries in the Fog Bay area - 2007 to 2022.

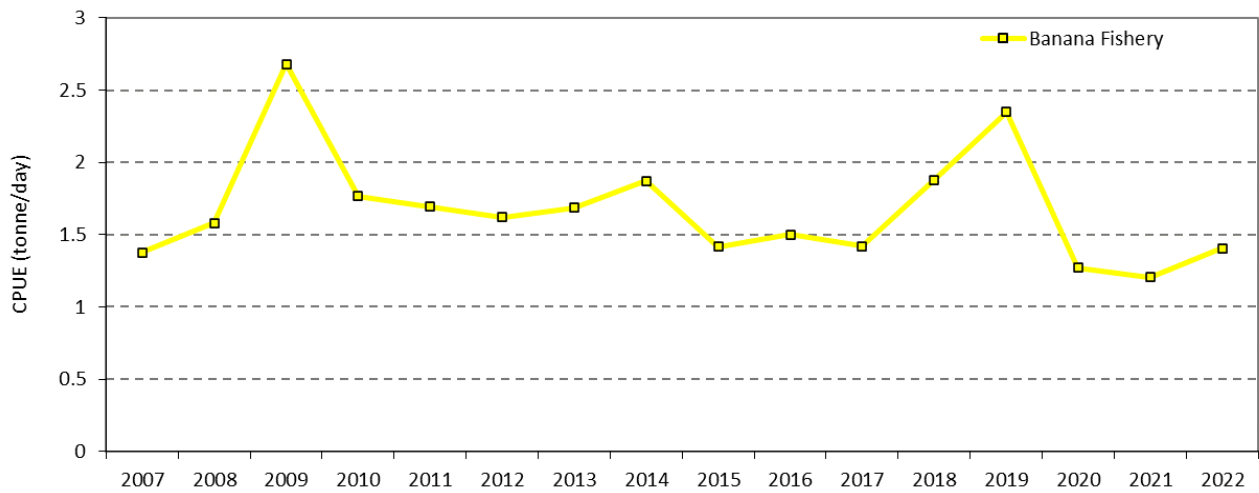


Figure 55b: Catch rate for the Banana Prawn fishery in the Fog Bay area - 2007 to 2022.

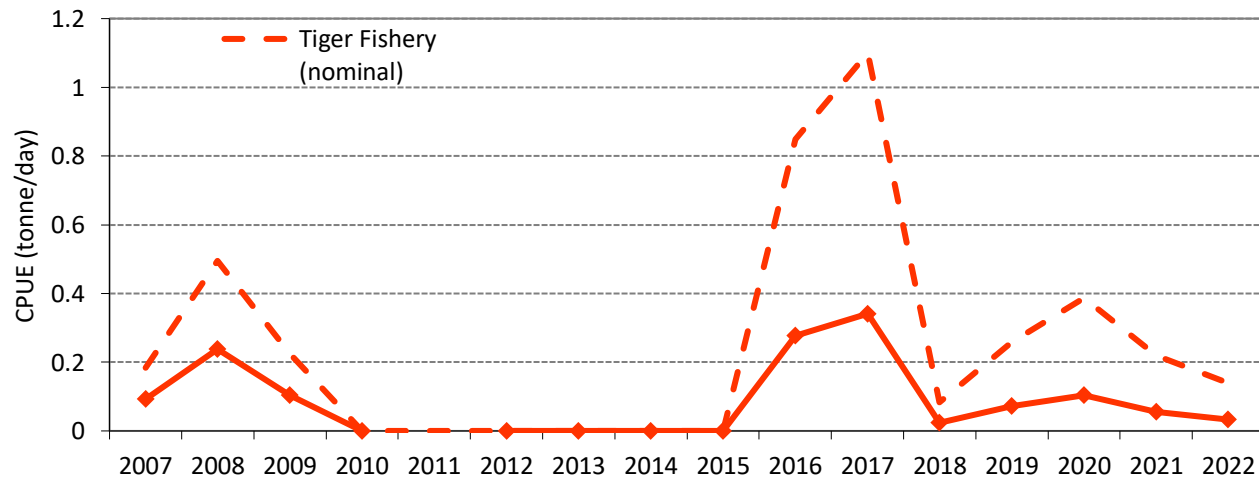


Figure 55c: Nominal and effective catch rate for the Tiger Prawn fishery in the Fog Bay area - 2007 to 2022.

Bonaparte

Banana Prawn catches in the Bonaparte area increased 565 t in 2021 to 682 t in 2022 (Figure 56). Tiger Prawn catches increased from 1 t in 2021 to 19 t in 2022. Endeavour Prawn catches increased from 17 t in 2021 to 23 t in 2022. Banana Prawns made up 94.3% of the catch for 2022 with Tiger Prawns equalling 2.6% and Endeavour Prawns 3.2% (Figure 57).

Effort in the Banana Prawn fishery increased from 457 days in 2021 to 497 days in 2022 (Figure 58a). CPUE of Banana Prawns increased from 1.27 t per day in 2021 to 1.42 t in 2022 (Figure 58b). Effort in the Tiger Prawn fishery increased from 27 days in 2021 to 33 days in 2022 (Figure 58a). Nominal and effective CPUE of Tiger Prawns increased from 0.06 and 0.02 t per day in 2021 to 0.63 and 0.15 t in 2022 (Figure 58c).

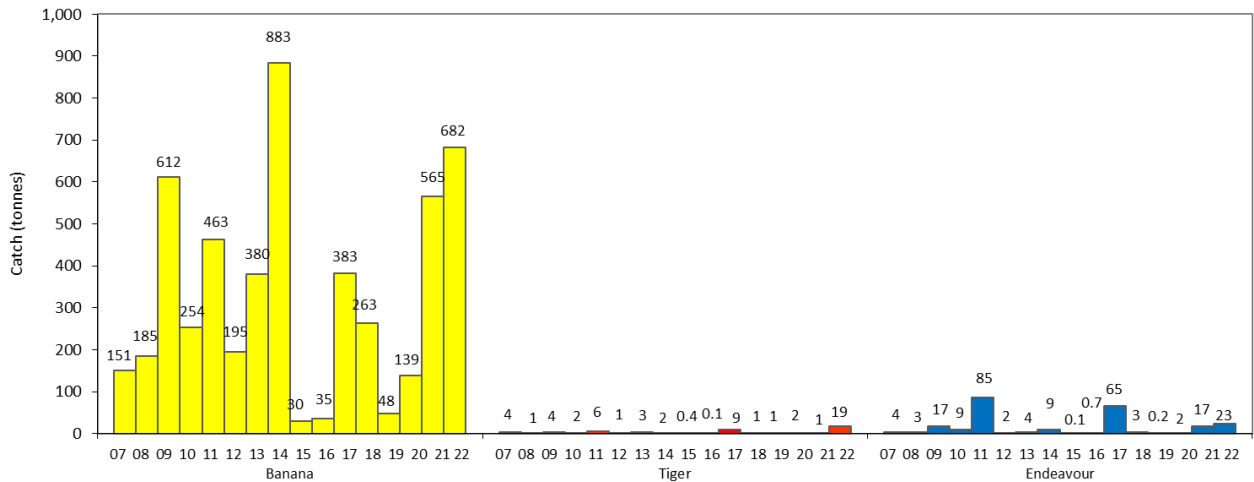


Figure 56: Catch by species in the Bonaparte area - 2007 to 2022.

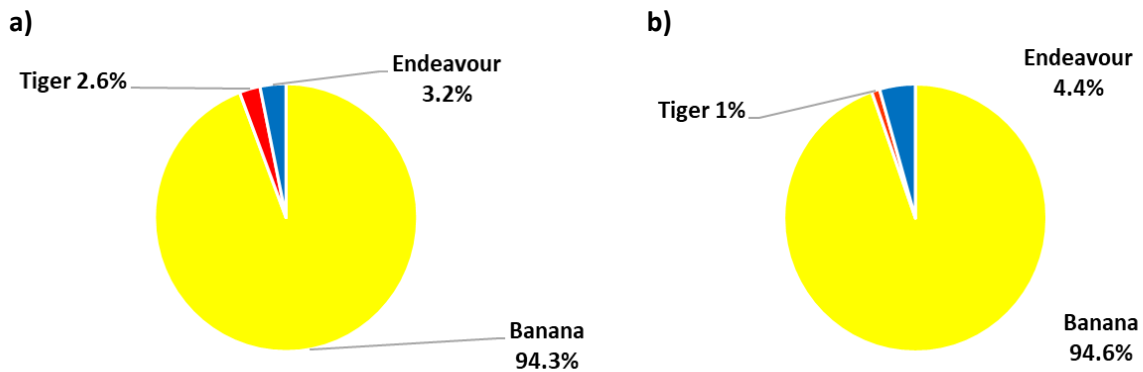


Figure 57: (a) Percentage catch of prawn species in the Bonaparte area during 2022, and (b) percentage catch of prawn species in the Bonaparte area - 2007 to 2022.

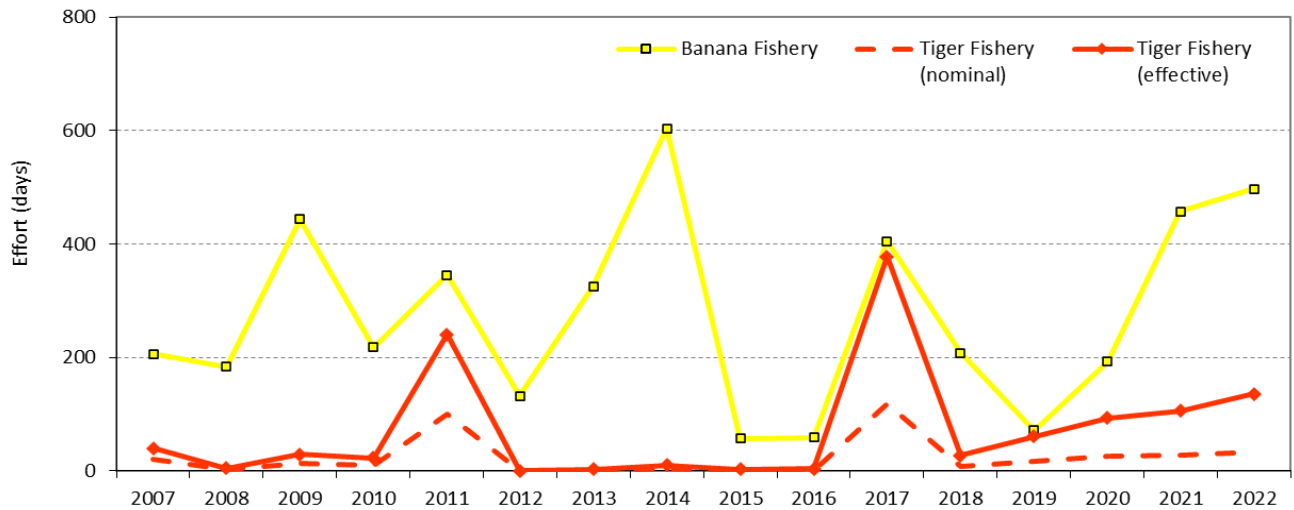


Figure 58a: Effort for the banana and Tiger Prawn fisheries in the Bonaparte area - 2007 to 2022.

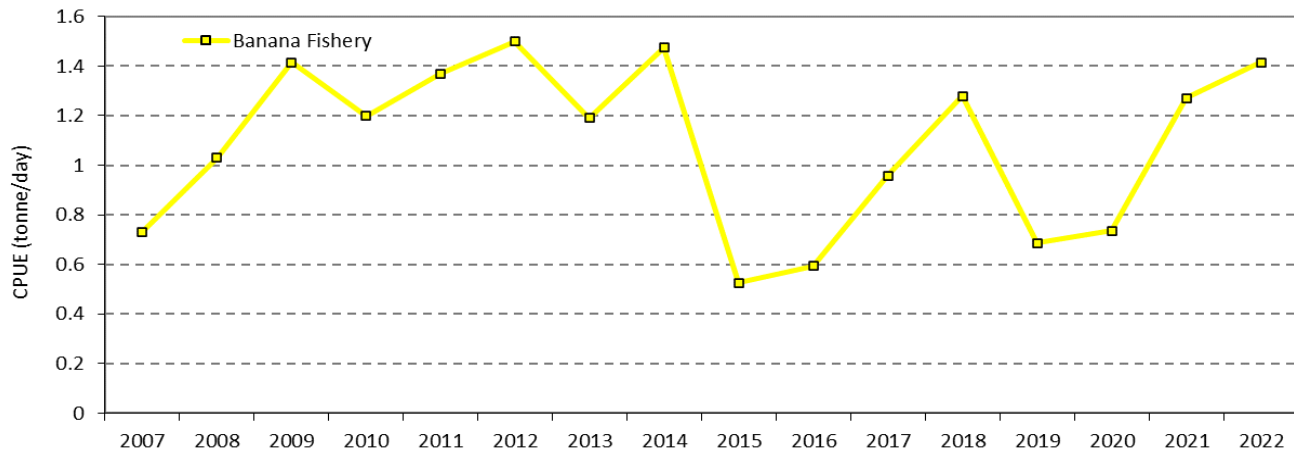


Figure 58b: Catch rate for the Banana Prawn fishery in the Bonaparte area - 2007 to 2022.

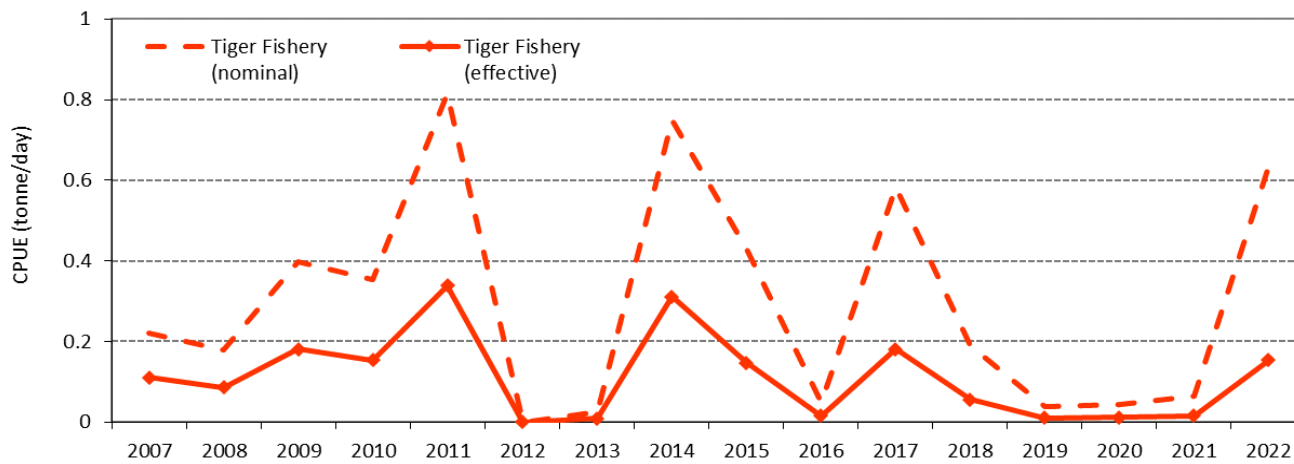


Figure 58c: Nominal and effective catch rate for the Tiger Prawn fishery in the Bonaparte area - 2007 to 2022.

Interactions with TEP species in the Northern Prawn Fishery

Turtle interactions

A total of 126 turtle interactions were reported in the NPF during 2022 (Table 5), a decrease from 176 interactions in 2021. Green Turtles were the most numerous with 55 reported in 2022. The remaining interactions were with Turtles of unidentified species (47), Flatback Turtles (11), Loggerhead (1), Hawksbill (8), Olive Ridley (3) and Leatherback (1) (Figure 59). Of these, 126 turtles, 120 (95%) were released alive, 5 Unidentified turtles perished and 1 was released injured. Turtle interactions were highest in the Weipa region (26) followed by the Mornington and Limmen Bight which had 24 and 15 interactions recorded. Limmen Bight and Weipa regions experienced the most fishing effort during 2022 (Figure 60).

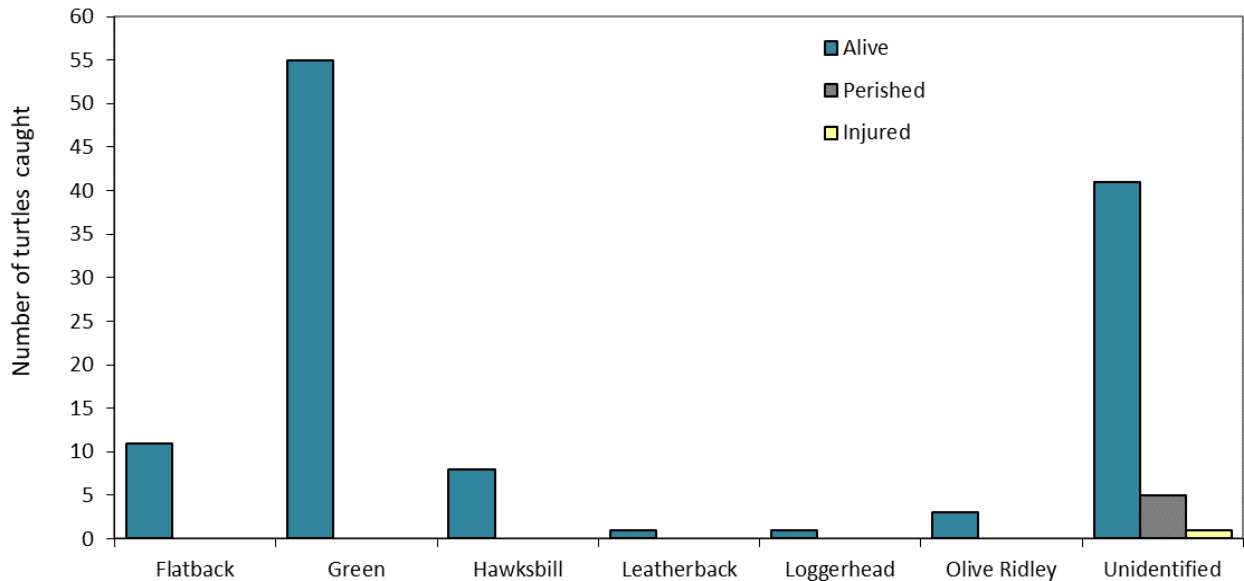


Figure 59: Turtle interactions by species and life status on release in the NPF in 2022.

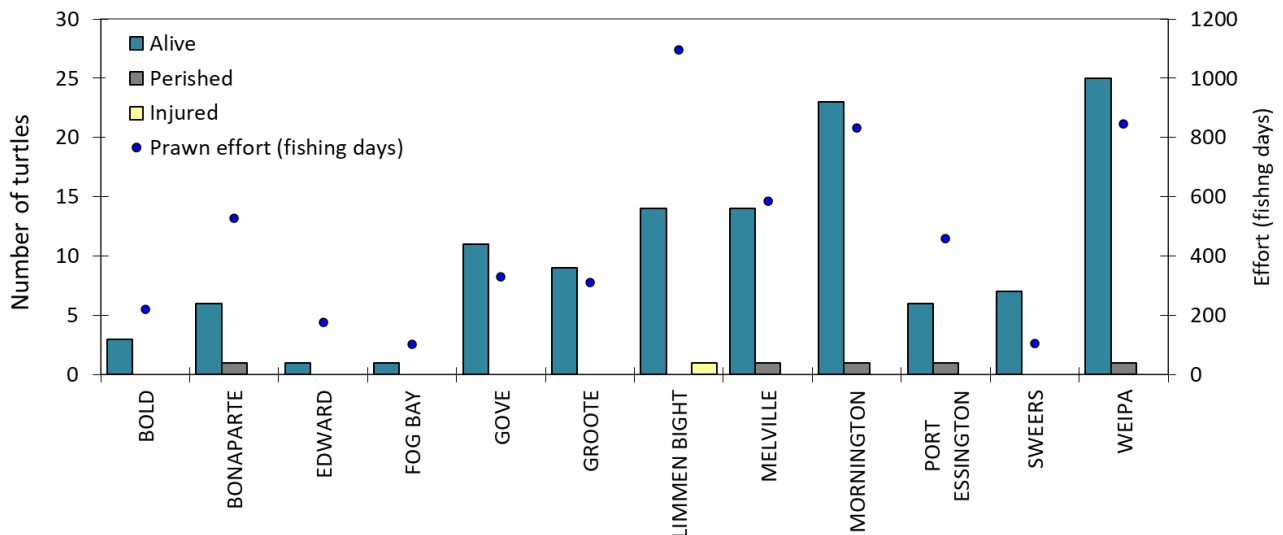


Figure 60: Turtle interactions by species, life status on release and total fishing effort by area in the NPF in 2022.

Table 5: Turtle interactions by species, for each area between 2018 and 2022.

| Statistical Area | Turtle Species | Released Alive | | | | | Perished | | | | | Condition Unknown | | | | |
|---------------------|------------------|----------------|----|----|----|----|----------|----|----|----|----|-------------------|----|----|----|----|
| | | 18 | 19 | 20 | 21 | 22 | 18 | 19 | 20 | 21 | 22 | 18 | 19 | 20 | 21 | 22 |
| ARNHEM | Flatback | | | | 2 | | | 1 | | | | | | | | |
| | Green | | 3 | 2 | 3 | | | | | | | | | | | |
| | Hawksbill | | | | | | | | | | | | | | | |
| | Leatherback | | | | | | | | | | | | | | | |
| | Loggerhead | | | | 1 | 1 | | | | | | | | | | |
| | Pacific Ridley | | | | | | | | | | | | | | | |
| BOLD | Unidentified sp. | 1 | | 7 | 1 | | | | | | | | | | | |
| | Flatback | | | | | | | | | | | | | | | |
| | Green | | 1 | | 1 | 3 | | | | | | | | | | |
| | Hawksbill | | | | | | | | | | | | | | | |
| | Leatherback | | | | | | | | | | | | | | | |
| | Loggerhead | | | | | | | | | | | | | | | |
| BONAPARTE | Pacific Ridley | | | | | | | | | | | | | | | |
| | Unidentified sp. | 1 | 2 | 2 | 2 | | | | | | | | | 2 | | |
| | Flatback | | | | | | | | | | | | | | | |
| | Green | | | | 3 | 4 | | | | | | | | | | |
| | Hawksbill | | | | | 1 | | | | | | | | | | |
| | Leatherback | | | | | | | | | | | | | | | |
| EDWARD | Loggerhead | | | | | | | | | | | | | | | |
| | Pacific Ridley | | | | | 1 | | | | | | | | | | |
| | Unidentified sp. | 2 | | 1 | | | 1 | | | | | | | | | |
| | Flatback | | | | | | | | | | | | | | | |
| | Green | 1 | | | | | | | | | | | | | | |
| | Hawksbill | | | | | | | | | | | | | | | |
| FOG BAY | Leatherback | | | | | | | | | | | | | | | |
| | Loggerhead | | | | | | | | | | | | | | | |
| | Pacific Ridley | | | | | | | | | | | | | | | |
| | Unidentified sp. | | 1 | 4 | | | | | | | | | | | | |
| | Flatback | | | | 1 | | | | | | | | | | | |
| | Green | | | | 1 | 1 | | | | | | | | | | |
| GOVE | Hawksbill | | | | 1 | | | | | | | | | | | |
| | Leatherback | | | | | | | | | | | | | | | |
| | Loggerhead | | | | | | | | | | | | | | | |
| | Pacific Ridley | | | | 3 | | | | | | | | | | | |
| | Unidentified sp. | | 1 | 14 | 5 | 8 | | | | | | | | | | |
| | Flatback | | | | 1 | 2 | | | | | | | | | | |
| GROOTE | Green | 3 | 1 | | 9 | 7 | | | | | | | | | | |
| | Hawksbill | | | | 2 | | | | | | | | | | | |
| | Leatherback | | | | | | | | | | | | | | | |
| | Loggerhead | | | | 1 | | | | | | | | | | | |
| | Pacific Ridley | | | | 1 | | | | | | | | | | | |
| | Unidentified sp. | 17 | 8 | 16 | 6 | 1 | 2 | | | 1 | | | | | | |
| LIMMEN BIGHT | Flatback | 2 | | | 5 | | | | 1 | | 2 | | | | | |
| | Green | | 6 | 3 | 24 | 4 | | | | | | | | | | |
| | Hawksbill | | | | | 2 | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | |
|------------------------|----------------------|-----------|-----------|------------|------------|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | Leatherback | | | | | 1 | | | | | | | | | | | | | |
| | Loggerhead | | | | | 4 | | | | | | | | | | | | | |
| | Pacific Ridley | 1 | 3 | 3 | 4 | 1 | | | | | | | | | | | | | |
| | Unidentified sp | 11 | 11 | 15 | 7 | 6 | | | | | | | | | | | | | 1 |
| MELVILLE | Flatback | | | | | 2 | | | | | | | | | | | | | |
| | Green | | | 2 | 2 | 7 | | | | | | | | | | | | | |
| | Hawksbill | | | | | | | | | | | | | | | | | | |
| | Leatherback | | | | | | | | | | | | | | | | | | |
| | Loggerhead | | | | | | | | | | | | | | | | | | |
| | Pacific Ridley | | | | | | | | | | | | | | | | | | |
| | Unidentified sp | 3 | 1 | 3 | 3 | 7 | | | | 1 | | | | | | | | | |
| MITCHELL | Flatback | | | | | | | | | | | | | | | | | | |
| | Green | 1 | | | | 1 | | | | | | | | | | | | | 1 |
| | Hawksbill | | | | | | | | | | | | | | | | | | |
| | Leatherback | | | | | | | | | | | | | | | | | | |
| | Loggerhead | 1 | | | | | | | | | | | | | | | | | |
| | Pacific Ridley | | | | | | | | | | | | | | | | | | |
| | Unidentified sp | | 1 | | | | | | | 1 | | | | | | | | | |
| MORNINGTON | Flatback | 1 | | | | 2 | 1 | | | | | | | | | | | | |
| | Green | 2 | 6 | | | 4 | 9 | | | | | | | | | | | | |
| | Hawksbill | | | | | 1 | 5 | | | | | | | | | | | | |
| | Leatherback | | | | | | | | | | | | | | | | | | |
| | Loggerhead | 1 | | | | | | | | | | | | | | | | | |
| | Pacific Ridley | | | | 1 | 2 | 2 | | | | | | | | | | | | |
| | Unidentified sp | 5 | 6 | 5 | 7 | 6 | | 1 | | 1 | | | | | | | | | 2 |
| PORT ESSINGTON | Flatback | | | | | 1 | 3 | | | | | | | | | | | | |
| | Green | | | 2 | | 6 | | | | | | | | | | | | | |
| | Hawksbill | | 1 | | | | | | | | | | | | | | | | |
| | Leatherback | | | | | 2 | | | | | | | | | | | | | |
| | Loggerhead | | | | | 2 | | | | | | | | | | | | | |
| | Pacific Ridley | | | | | | | | | | | | | | | | | | |
| | Unidentified sp | 1 | | 1 | 3 | 3 | | | | 1 | | | | | | | | | |
| SWEERS | Flatback | | | | 1 | 8 | 3 | | | | | | | | | | | | |
| | Green | | 1 | | 5 | 6 | 4 | | | | | | | | | | | | |
| | Hawksbill | | | | | 3 | | | | | | | | | | | | | |
| | Leatherback | | | | | | | | | | | | | | | | | | |
| | Loggerhead | | | | | | | | | | | | | | | | | | |
| | Pacific Ridley | | | | | | | | | | | | | | | | | | |
| | Unidentified sp | 6 | 4 | 5 | 4 | | | | | | | | | | | | | | |
| WEIPA | Flatback | 4 | 1 | | | 8 | 6 | | | | | | | | | | | | |
| | Green | | | | | 4 | 10 | | | | | | | | | | | | |
| | Hawksbill | | | | | | | | | | | | | | | | | | |
| | Leatherback | | | | | | | | | | | | | | | | | | |
| | Loggerhead | | | | | 1 | | | | | | | | | | | | | |
| | Pacific Ridley | | 3 | | | | | | | | | | | | | | | | |
| | Unidentified sp | 10 | 9 | | 5 | 9 | | 1 | | 1 | 1 | | | | | | | | |
| TOTAL ALL AREAS | Flatback | 7 | 1 | 5 | 33 | 11 | | | | 1 | 1 | | | | | | | | |
| | Green | 7 | 18 | 16 | 67 | 55 | | | | | | | | | | | | | 1 |
| | Hawksbill | | 1 | | 8 | 8 | | | | | | | | | | | | | |
| | Leatherback | | | | 2 | 1 | | | | | | | | | | | | | |
| | Loggerhead | 2 | 1 | 1 | 9 | 1 | | | | | | | | | | | | | |
| | Pacific Ridley | 1 | 6 | 8 | 6 | 3 | | | | | | | | | | | | | |
| | Unidentified species | 57 | 44 | 76 | 43 | 41 | | 4 | 2 | | 2 | 5 | | | | | | | 4 |
| GRAND TOTAL | ALL SPECIES | 74 | 71 | 106 | 168 | 120 | 4 | 2 | 1 | 3 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 1 |

Sea snake interactions

A total of 10,722 sea snake interactions were recorded during 2022, a decrease from 13,862 in 2021. Most sea snakes (8,259 individuals, representing 77% of the total) were released alive. 1,993 (19%) perished, and 328 were released injured (3%). Five snakes were caught but couldn't be assigned an area (Table 6). Sea snake interactions were highest in the Limmen Bight (1,958 individuals), and lowest in the Keerweer area (17 individuals).

Table 6: Sea snake interactions and life status on release by area in the NPF in 2022.

| Statistical area | Released alive | Perished | Released injured | Condition unknown | Total |
|------------------|----------------|-------------|------------------|-------------------|--------------|
| ARNHEM | 228 | 31 | | | 259 |
| BOLD | 264 | 39 | | | 303 |
| BONAPARTE | 953 | 366 | 7 | | 1,326 |
| EDWARD | 339 | 100 | 15 | 63 | 517 |
| FOG BAY | 80 | 25 | | | 105 |
| GOVE | 306 | 41 | | | 347 |
| GROOTE | 917 | 171 | 1 | | 1,089 |
| KEERWEER | 17 | | | | 17 |
| LIMMEN BIGHT | 1,461 | 282 | 187 | 28 | 1,958 |
| MELVILLE | 1,090 | 377 | 11 | 12 | 1,490 |
| MITCHELL | 64 | 12 | 1 | 16 | 93 |
| MORNINGTON | 888 | 246 | 87 | 2 | 1,223 |
| PORT ESSINGTON | 565 | 131 | 1 | 10 | 707 |
| SWEERS | 143 | 8 | | 7 | 158 |
| WEIPA | 939 | 164 | 18 | 4 | 1,125 |
| UNKNOWN | 5 | | | | 5 |
| Total | 8259 | 1993 | 328 | 142 | 10722 |

Sawfish Interactions

Reporting by NPF skippers of any interactions with sawfish has been steadily increasing over the past eight years (Figure 61). However, in 2022 reporting by NPF skippers slightly decreased with 75% of skippers reporting interactions during Banana Prawn Season, and 83% of skippers reporting interactions during Tiger Prawn season.

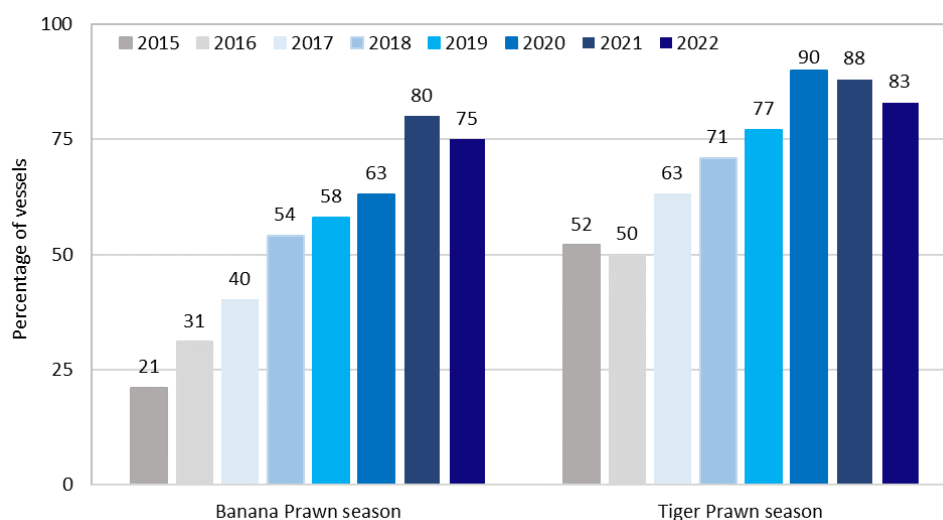


Figure 61: Percentage of NPF skippers reporting sawfish interactions from 2015 to 2022.

In 2022, a total of 983 sawfish interactions were recorded, a decrease from 1,336 interactions in 2021 (Figure 62). This decrease was expected due to the Tiger Prawn season ending one month earlier in 2022. Among the total interactions, 760 were Narrow Sawfish, accounting for 77% of the total. Unidentified interactions decreased from 185 in 2021 to 117 (12% of total catch) in 2022. There were also 57 Green Sawfish interactions (6%), 23 Freshwater Sawfish interactions (2%), and 26 Green Sawfish interactions (3%). Out of the 983 animals caught in 2022, 574 individuals (58%) were released alive.

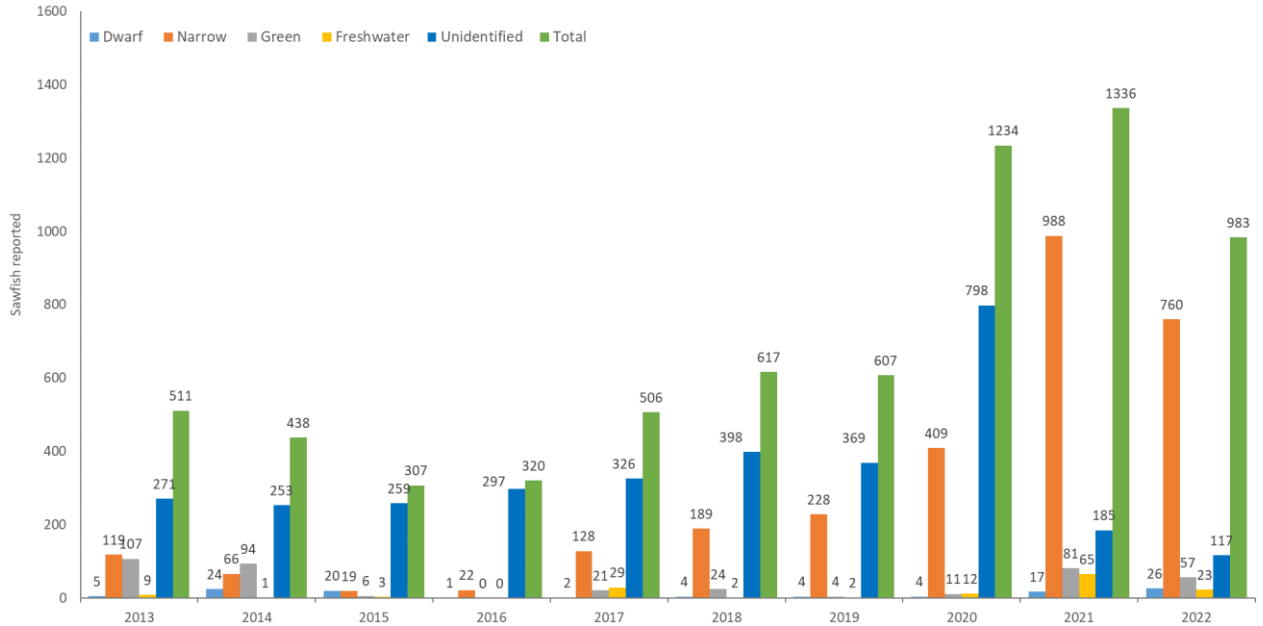


Figure 62: Sawfish interactions in the NPF by species from 2013 to 2022.

Sawfish interactions were highest in the Bonaparte area (260 individuals) (Figure 63). The Keerweer area had the lowest number of interactions, with 2.

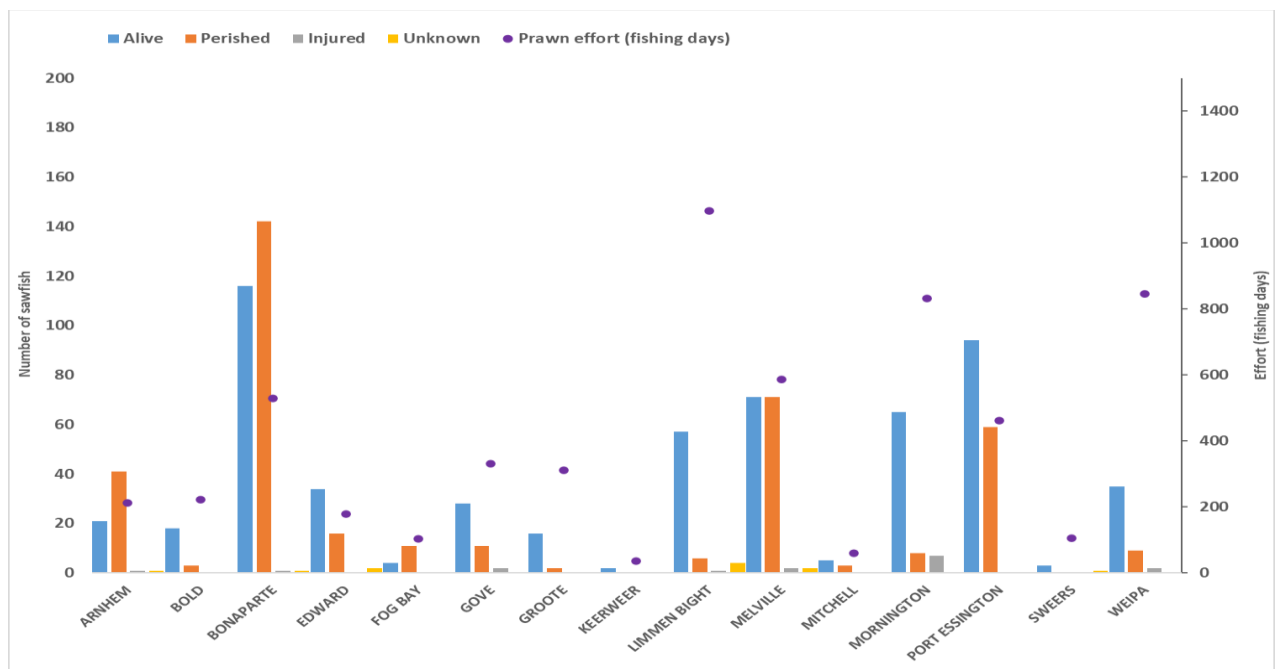


Figure 63: Sawfish interactions, life status on release and total fishing effort in the NPF by area in 2022.

Syngnathid Interactions

No Syngnathid interactions were reported in the logbooks for 2022.

Crew Member Observer and Scientific Observer coverage

Threatened, Endangered and Protected (TEP) species interaction data is collected through three main sources in the Northern Prawn Fishery, those being: 1) Fishery Logbooks TEP Interaction sheets; 2) Crew Member Observer records; and 3) AFMA Scientific Observer programs. These programs form an integrated approach to understanding the fishery interactions with TEP species. Fishery Logbook reporting is mandatory and data is collected from every boat throughout the whole season, i.e. wide spatial and temporal coverage. In comparison, the Crew Member Observer reporting has a coverage of 15-20% and AFMA scientific observer has coverage of < 3%. The time and position of the coverage of these methods can differ considerably. However, they have an advantage in identifying species and capturing interaction details that may not be recorded in logbook data. The fishing regions, time within fishing seasons, and trip durations for Crew Member Observer and AFMA Scientific Observer trips can vary significantly subject to operational deployment issues. As a result, the lack of standardisation in evaluating TEP interactions may hinder comparability among the three monitoring methods.

Tables 8 and 9 and Figure 63 provide a comparison of recorded interactions with TEP species within the Crew Member Observer (CMO), Scientific Observer (SO) and logbook datasets and the level of monitoring between the CMO and SO programs.

The number of fishing days from logbook returns decreased from 7,108 in 2021 to 5,949 in 2022 (Table 8). The number of days observed by CMOs decreased from 1,099 in 2021 to 862 in 2022 because of the early closure during Tiger season, which was 14% of the fishing days in 2022 (Figure 64). The number of days observed by Scientific Observers decreased from 179 days in 2021 to 98 days in 2022 (Figures 63 and 64).

Table 8: Comparison of TEP species interactions reported by Scientific Observers, CMOs and in logbooks in the NPF in 2022.

| | Vessel Returns | Fishing Days* | Total Sawfish | Total Turtles | Total Sea Snakes | Total Syngnathids | Dolphins | Birds |
|------------------------|----------------|---------------|---------------|---------------|------------------|-------------------|----------|-------|
| Logbook Returns | 52 | 5,949 | 983 | 129 | 10,722 | 0 | 1 | 0 |
| Crew Member Observers | 12 | 862 | 91 | 25 | 1,713 | 117 | 0 | 0 |
| Scientific Observers** | 6 | 98 | 17 | 1 | 100 | 1 | 0 | 0 |

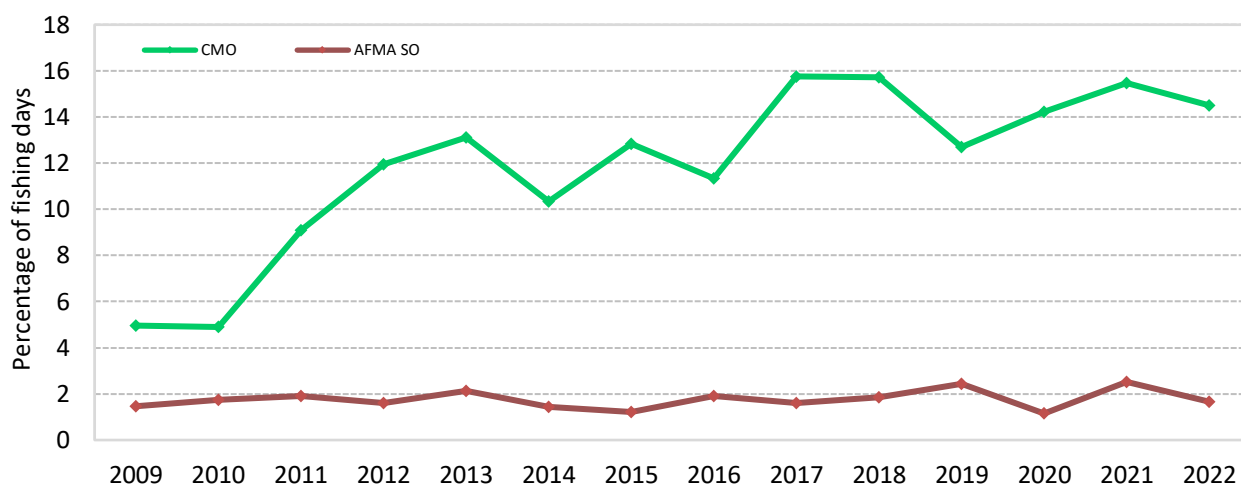


Figure 64: Percentage of fishing days monitored by Scientific Observers and Crew Member Observers in the NPF – 2009 to 2022.

The frequency of sawfish interactions in 2022 was slightly higher in the Scientific Observer dataset (0.173) than the logbook dataset (0.165) followed by the CMO dataset (0.106) (Table 9). Turtles were reported slightly more in the CMO dataset (0.029) followed by the logbook dataset (0.022) then Scientific Observers (0.010). The frequency of sea snake interactions per fishing day was highest in the CMO dataset (1.987) compared to the logbook dataset (1.802) and the Scientific Observer dataset (1.020). Also, the frequency of syngnathid interactions was highest in the CMO dataset (0.136) compared to the Scientific Observer dataset (0.010) and logbook dataset (0.00) (Table 9).

Table 9: Comparison of TEP species interactions reported by Scientific Observers, CMOs and in logbooks per boat day during 2022 in the NPF.

| | Sawfish per Fishing Day | Turtles per Fishing Day | Sea Snakes per Fishing Day | Syngnathids per Fishing Day |
|------------------------------|-------------------------|-------------------------|----------------------------|-----------------------------|
| Logbook Returns | 0.165 | 0.022 | 1.802 | 0.000 |
| Crew Member Observers | 0.106 | 0.029 | 1.987 | 0.136 |
| Scientific Observers* | 0.173 | 0.010 | 1.020 | 0.010 |

State or Territory specific data

Total prawn catch in Queensland (QLD) waters of the NPF increased from 2,095 t in 2020/21 to 2,203 t in 2021/22 (Table 10a). In the Northern Territory (NT), prawn catches increased from 2,557 t in 2020/21 to 2,576 in 2021/22 (Table 10b). Total prawn catch in Western Australia (WA) increased from 39 t in 2020/21 to 591 t in 2021/22 (Table 10c).

Banana Prawn catch increased in QLD from 1,825 t in 2020/21 to 1,889 t in 2021/22. Banana Prawn catch increased in the NT from 1,119 t in 2020/21 to 1,464 t in 2021/22 (Table 10). Banana Prawn catch increased in WA from 37 t in 2020/21 to 573 t in 2021/22.

Tiger Prawn catches increased in QLD from 196 t in 2020/21 to 216 t in 2021/22. Tiger Prawn catches in the NT decreased from 1,146 t in 2020/21 to 781 in 2021/22. There was 1 t of Tiger Prawns caught in WA for both 2020/21 and 2021/22.

Catches of Endeavour Prawns increased in QLD from 69 t in 2020/21 to 96 t in 2021/22 also increasing in NT from 288 t in 2020/21 325 t in 2021/22 and WA from 1 t in 2020/2021 to 17 t in 2021/22 .

King Prawn catches decreased in QLD from 4t in 2020/21 to 3 t in 2021/22. In the NT catches increased from 4 t in 2020/21 to 6 t in 2021/22. No King Prawn was caught in WA.

Table 10: Prawn catch for a) Queensland, b) Northern Territory and c) Western Australia for the 2007/08 to 2021/22 financial years.

a) Queensland

| <i>Financial Year</i> | <i>Banana (t)</i> | <i>Tiger (t)</i> | <i>Endeavour (t)</i> | <i>King (t)</i> | <i>Total Catch (t)</i> |
|-----------------------|-------------------|------------------|----------------------|-----------------|------------------------|
| 2007/08 | 3,587 | 126 | 32 | 8 | 3,753 |
| 2008/09 | 3,917 | 202 | 88 | 0 | 4,207 |
| 2009/10 | 2,968 | 473 | 143 | 0 | 3,584 |
| 2010/11 | 5,454 | 279 | 88 | 1 | 5,822 |
| 2011/12 | 3,198 | 368 | 179 | 1 | 3,746 |
| 2012/13 | 1,867 | 575 | 299 | 3 | 2,744 |
| 2013/14 | 3,454 | 347 | 216 | 0 | 4,017 |
| 2014/15 | 2,372 | 495 | 258 | 6 | 3,131 |
| 2015/16 | 2,010 | 696 | 143 | 30 | 2,878 |
| 2016/17 | 2,604 | 503 | 105 | 22 | 3,234 |
| 2017/18 | 3,386 | 220 | 103 | 4 | 3,712 |
| 2018/19 | 4,765 | 293 | 163 | 6 | 5,227 |
| 2019/20 | 2,051 | 621 | 341 | 30 | 3,043 |
| 2020/21 | 1,825 | 196 | 69 | 4 | 2,095 |
| 2021/22 | 1,889 | 216 | 96 | 3 | 2,203 |

b) Northern Territory

| <i>Financial Year</i> | <i>Banana (t)</i> | <i>Tiger (t)</i> | <i>Endeavour (t)</i> | <i>King (t)</i> | <i>Total Catch (t)</i> |
|-----------------------|-------------------|------------------|----------------------|-----------------|------------------------|
| 2007/08 | 1,550 | 1,100 | 164 | 12 | 2,826 |
| 2008/09 | 1,288 | 809 | 121 | 0 | 2,218 |
| 2009/10 | 2,229 | 788 | 189 | 0 | 3,207 |
| 2010/11 | 1,738 | 1,337 | 325 | 0 | 3,401 |
| 2011/12 | 1,544 | 490 | 228 | 0 | 1,230 |
| 2012/13 | 867 | 775 | 199 | 0 | 1,841 |
| 2013/14 | 1,792 | 1,676 | 266 | 0 | 3,734 |
| 2014/15 | 1,664 | 1,204 | 384 | 3 | 3,255 |
| 2015/16 | 839 | 2,556 | 398 | 3 | 3,796 |
| 2016/17 | 2,070 | 1,496 | 263 | 3 | 3,832 |
| 2017/18 | 1,107 | 858 | 220 | 2 | 2,187 |
| 2018/19 | 782 | 1,185 | 322 | 3 | 2,292 |
| 2019/20 | 730 | 1,442 | 315 | 15 | 2,501 |
| 2020/21 | 1,119 | 1,146 | 288 | 4 | 2,557 |
| 2021/22 | 1,464 | 781 | 325 | 6 | 2,576 |

c) Western Australia

| <i>Financial Year</i> | <i>Banana (t)</i> | <i>Tiger (t)</i> | <i>Endeavour (t)</i> | <i>King (t)</i> | <i>Total Catch (t)</i> |
|-----------------------|-------------------|------------------|----------------------|-----------------|------------------------|
| 2007/08 | 151 | 5 | 4 | 0 | 160 |
| 2008/09 | 287 | 1 | 3 | 0 | 291 |
| 2009/10 | 616 | 10 | 19 | 0 | 645 |
| 2010/11 | 371 | 2 | 9 | 0 | 383 |
| 2011/12 | 4,426 | 52 | 5 | 0 | 4,484 |
| 2012/13 | 420 | 3 | 3 | 0 | 426 |
| 2013/14 | 526 | 1 | 4 | 0 | 531 |
| 2014/15 | 519 | 1 | 8 | 0 | 528 |
| 2015/16 | 23 | 1 | 1 | 0 | 25 |
| 2016/17 | 83 | 0 | 1 | 0 | 84 |
| 2017/18 | 461 | 9 | 65 | 0 | 535 |
| 2018/19 | 163 | 1 | 3 | 0 | 167 |
| 2019/20 | 108 | 1 | 1 | 0 | 110 |
| 2020/21 | 37 | 1 | 1 | 0 | 39 |
| 2021/22 | 573 | 1 | 17 | 0 | 591 |

Retained Byproduct in the Northern Prawn Fishery by State or Territory waters

Total byproduct retained in the NPF by State or Territory in 2022 was 112,476 kg (Table 11). The highest retained byproduct total was observed in NT waters (64,799 kg) and the lowest in WA waters (1,124 kg). Moreton Bay Bug was the largest component of byproduct catches, with 49,327 kg retained. (Table 11). The reported Scampi catch is for calendar year. A 30t catch limit applies from 1 December to 30 November each year.

Table 11: Retained byproduct in the NPF by State/Territory in 2022 (kilograms).

| Species | NT | QLD | WA | Total |
|--|--------------|--------------|-------------|---------------|
| Australian scampi | 22277 | | | 22277 |
| Bugs - Shovel nosed and slipper lobsters | 1178 | 1889 | | 3067 |
| Champagne lobster - Spear lobster | 1932 | | | 1932 |
| Cuttlefishes | 5339 | 2333 | 550 | 8222 |
| Golden snappers | | 30 | | 30 |
| Moreton Bay bugs | 18612 | 30539 | 176 | 49327 |
| Mud scallop | 96 | | | 96 |
| Octopuses | | 5 | | 5 |
| Pomfret | 75 | 103 | | 178 |
| Spiny lobsters - Mixed crayfish | 6 | | 178 | 184 |
| Squids | 15284 | 11544 | 220 | 27048 |
| Whitings | | 110 | | 110 |
| Grand Total | 64799 | 46553 | 1124 | 112476 |

References

Ma, K. Y., Chan, T. -Y & Chu, K. H. (2011). *Refuting the six-genus classification of Penaeus s.l. (Dendrobranchiata, Penaeidae): a combined analysis of mitochondrial and nuclear genes.* — Zoologica Scripta, 40, 498–508.

Appendix 1 Historical Catch and Effort by Area

Table 12: Weipa

| Year | Catch (tonnes) | | | | | Effort (days) | | | CPUE (tonnes/day) | | |
|------|----------------|-------|-----------|----------------|---------------|----------------|-------------------------|---------------------------|-------------------|-------------------------|---------------------------|
| | Banana | Tiger | Endeavour | Banana Fishery | Tiger Fishery | Banana Fishery | Tiger Fishery (nominal) | Tiger Fishery (effective) | Banana Fishery | Tiger Fishery (nominal) | Tiger Fishery (effective) |
| 1994 | 208 | 201 | 49 | 230 | 228 | 455 | 1164 | 1222 | 0.504 | 0.196 | 0.187 |
| 1995 | 596 | 198 | 174 | 591 | 377 | 443 | 1396 | 1539 | 1.335 | 0.270 | 0.245 |
| 1996 | 1073 | 137 | 207 | 1072 | 345 | 676 | 1830 | 2118 | 1.585 | 0.188 | 0.163 |
| 1997 | 696 | 252 | 273 | 699 | 523 | 519 | 1844 | 2241 | 1.346 | 0.284 | 0.233 |
| 1998 | 165 | 46 | 13 | 165 | 59 | 233 | 388 | 495 | 0.709 | 0.151 | 0.119 |
| 1999 | 359 | 25 | 5 | 359 | 30 | 268 | 237 | 318 | 1.341 | 0.126 | 0.094 |
| 2000 | 36 | 154 | 147 | 37 | 301 | 170 | 1134 | 1596 | 0.218 | 0.265 | 0.188 |
| 2001 | 63 | 48 | 61 | 64 | 111 | 105 | 475 | 702 | 0.606 | 0.234 | 0.158 |
| 2002 | 42 | 12 | 12 | 42 | 24 | 64 | 127 | 197 | 0.661 | 0.186 | 0.120 |
| 2003 | 3 | 0 | 0 | 3 | 0 | 28 | 6 | 10 | 0.100 | 0.081 | 0.050 |
| 2004 | 138 | 0 | 0 | 138 | 0 | 120 | 3 | 5 | 1.147 | 0.024 | 0.014 |
| 2005 | 29 | 1 | 0 | 30 | 0 | 75 | 5 | 9 | 0.395 | 0.025 | 0.014 |
| 2006 | 391 | 6 | 2 | 391 | 6 | 342 | 53 | 100 | 1.143 | 0.113 | 0.060 |
| 2007 | 230 | 1 | 0 | 230 | 1 | 201 | 12 | 24 | 1.144 | 0.083 | 0.042 |
| 2008 | 833 | 28 | 22 | 833 | 51 | 374 | 208 | 432 | 2.226 | 0.244 | 0.117 |
| 2009 | 455 | 62 | 43 | 455 | 106 | 245 | 350 | 764 | 1.859 | 0.302 | 0.138 |
| 2010 | 280 | 44 | 25 | 280 | 69 | 173 | 194 | 445 | 1.619 | 0.355 | 0.155 |
| 2011 | 730 | 114 | 82 | 729 | 197 | 262 | 642 | 1545 | 2.784 | 0.306 | 0.127 |
| 2012 | 486 | 94 | 166 | 485 | 261 | 200 | 708 | 1789 | 2.426 | 0.369 | 0.146 |
| 2013 | 226 | 57 | 60 | 226 | 117 | 108 | 258 | 685 | 2.096 | 0.452 | 0.170 |
| 2014 | 338 | 138 | 160 | 338 | 298 | 136 | 559 | 1557 | 2.485 | 0.533 | 0.201 |
| 2015 | 394 | 92 | 28 | 394 | 120 | 178 | 298 | 872 | 2.213 | 0.403 | 0.138 |
| 2016 | 131 | 18 | 12 | 131 | 30 | 122 | 101 | 310 | 1.077 | 0.297 | 0.097 |
| 2017 | 274 | 101 | 82 | 273 | 185 | 110 | 603 | 1945 | 2.480 | 0.306 | 0.095 |
| 2018 | 594 | 107 | 102 | 592 | 211 | 275 | 621 | 2103 | 2.154 | 0.340 | 0.100 |
| 2019 | 513 | 74 | 70 | 514 | 144 | 240 | 340 | 1209 | 2.140 | 0.423 | 0.119 |
| 2020 | 170 | 49 | 21 | 170 | 70 | 89 | 280 | 1045 | 1.910 | 0.250 | 0.067 |
| 2021 | 199 | 57 | 37 | 199 | 95 | 123 | 379 | 1486 | 1.615 | 0.250 | 0.064 |
| 2022 | 705 | 130 | 90 | 705 | 221 | 271 | 575 | 2367 | 2.600 | 0.380 | 0.090 |

Table 13: Keerweer

| Year | Catch (tonnes) | | | | | Effort (days) | | | CPUE (tonnes/day) | | |
|------|----------------|-------|-----------|----------------|---------------|----------------|-------------------------|---------------------------|-------------------|-------------------------|---------------------------|
| | Banana | Tiger | Endeavour | Banana Fishery | Tiger Fishery | Banana Fishery | Tiger Fishery (nominal) | Tiger Fishery (effective) | Banana Fishery | Tiger Fishery (nominal) | Tiger Fishery (effective) |
| 1994 | 76 | 3 | 0 | 76 | 3 | 202 | 23 | 24 | 0.376 | 0.134 | 0.127 |
| 1995 | 107 | 2 | 0 | 108 | 1 | 123 | 8 | 9 | 0.874 | 0.100 | 0.090 |
| 1996 | 184 | 162 | 115 | 177 | 285 | 297 | 1097 | 1270 | 0.595 | 0.260 | 0.225 |
| 1997 | 123 | 88 | 18 | 119 | 113 | 164 | 463 | 563 | 0.726 | 0.244 | 0.201 |
| 1998 | 107 | 1 | 0 | 107 | 2 | 145 | 15 | 19 | 0.740 | 0.103 | 0.081 |
| 1999 | 114 | 6 | 1 | 114 | 7 | 150 | 40 | 54 | 0.761 | 0.176 | 0.131 |
| 2000 | 18 | 0 | 0 | 18 | 0 | 65 | 2 | 3 | 0.281 | 0.146 | 0.103 |
| 2001 | 77 | 0 | 0 | 77 | 0 | 88 | 2 | 3 | 0.878 | 0.075 | 0.050 |
| 2002 | 311 | 0 | 0 | 311 | 0 | 229 | 5 | 8 | 1.356 | 0.067 | 0.043 |
| 2003 | 6 | 0 | 0 | 6 | 0 | 35 | 3 | 5 | 0.168 | 0.042 | 0.026 |
| 2004 | 77 | 0 | 0 | 77 | 0 | 125 | 0 | 0 | 0.616 | 0.000 | 0.000 |
| 2005 | 78 | 0 | 0 | 78 | 0 | 85 | 1 | 2 | 0.917 | 0.010 | 0.006 |
| 2006 | 53 | 1 | 0 | 53 | 1 | 61 | 9 | 17 | 0.862 | 0.072 | 0.038 |
| 2007 | 115 | 0 | 0 | 115 | 0 | 125 | 0 | 0 | 0.916 | 0.000 | 0.000 |
| 2008 | 259 | 0 | 0 | 259 | 0 | 122 | 0 | 0 | 2.124 | 0.000 | 0.000 |
| 2009 | 258 | 0 | 0 | 258 | 0 | 142 | 2 | 4 | 1.818 | 0.082 | 0.038 |
| 2010 | 89 | 0 | 0 | 89 | 0 | 75 | 2 | 5 | 1.190 | 0.010 | 0.004 |
| 2011 | 230 | 0 | 0 | 230 | 0 | 82 | 2 | 5 | 2.811 | 0.175 | 0.073 |
| 2012 | 286 | 1 | 0 | 286 | 0 | 135 | 3 | 8 | 2.119 | 0.102 | 0.040 |
| 2013 | 98 | 0 | 0 | 99 | 0 | 78 | 1 | 3 | 1.263 | 0.130 | 0.049 |
| 2014 | 139 | 2 | 0 | 139 | 1 | 83 | 3 | 8 | 1.675 | 0.333 | 0.126 |
| 2015 | 204 | 1 | 2 | 204 | 3 | 82 | 5 | 15 | 2.488 | 0.600 | 0.226 |
| 2016 | 100 | 0 | 1 | 100 | 1 | 62 | 1 | 3 | 1.612 | 0.590 | 0.192 |
| 2017 | 26 | 0.1 | 0.2 | 26 | 0.3 | 24 | 1 | 3 | 1.085 | 0.300 | 0.093 |
| 2018 | 208 | 2 | 0 | 209 | 1 | 89 | 6 | 20 | 2.343 | 0.225 | 0.067 |
| 2019 | 481 | 3 | 1 | 481 | 4 | 207 | 12 | 43 | 2.323 | 0.310 | 0.087 |
| 2020 | 87 | 0 | 0 | 87 | 0 | 66 | 1 | 4 | 1.318 | 0.027 | 0.007 |
| 2021 | 45 | 3 | 0 | 45 | 3 | 37 | 2 | 8 | 1.228 | 1.326 | 0.338 |
| 2022 | 21 | 5 | 6 | 21 | 11 | 17 | 18 | 74 | 1.234 | 0.589 | 0.143 |

Table 14: Edward

| Year | Catch (tonnes) | | | | | Effort (days) | | | CPUE (tonnes/day) | | |
|------|----------------|-------|-----------|----------------|---------------|----------------|-------------------------|---------------------------|-------------------|-------------------------|---------------------------|
| | Banana | Tiger | Endeavour | Banana Fishery | Tiger Fishery | Banana Fishery | Tiger Fishery (nominal) | Tiger Fishery (effective) | Banana Fishery | Tiger Fishery (nominal) | Tiger Fishery (effective) |
| 1994 | 161 | 1 | 0 | 161 | 1 | 335 | 6 | 6 | 0.481 | 0.134 | 0.127 |
| 1995 | 245 | 0 | 0 | 245 | 0 | 179 | 3 | 3 | 1.369 | 0.070 | 0.063 |
| 1996 | 248 | 1 | 0 | 248 | 1 | 253 | 4 | 5 | 0.979 | 0.179 | 0.154 |
| 1997 | 148 | 0 | 0 | 148 | 0 | 178 | 0 | 0 | 0.833 | 0.000 | 0.000 |
| 1998 | 317 | 0 | 0 | 317 | 0 | 276 | 4 | 5 | 1.148 | 0.032 | 0.025 |
| 1999 | 412 | 0 | 0 | 412 | 0 | 403 | 0 | 0 | 1.022 | 0.000 | 0.000 |
| 2000 | 27 | 0 | 0 | 27 | 0 | 117 | 0 | 0 | 0.233 | 0.000 | 0.000 |
| 2001 | 120 | 0 | 0 | 121 | 0 | 129 | 1 | 1 | 0.936 | 0.066 | 0.045 |
| 2002 | 399 | 0 | 0 | 399 | 0 | 244 | 0 | 0 | 1.635 | 0.000 | 0.000 |
| 2003 | 142 | 0 | 0 | 142 | 0 | 182 | 0 | 0 | 0.779 | 0.000 | 0.000 |
| 2004 | 151 | 0 | 0 | 151 | 0 | 162 | 0 | 0 | 0.932 | 0.000 | 0.000 |
| 2005 | 411 | 0 | 0 | 411 | 0 | 330 | 0 | 0 | 1.244 | 0.000 | 0.000 |
| 2006 | 134 | 0 | 0 | 134 | 0 | 186 | 0 | 0 | 0.721 | 0.000 | 0.000 |
| 2007 | 313 | 0 | 0 | 313 | 0 | 285 | 1 | 2 | 1.098 | 0.048 | 0.024 |
| 2008 | 612 | 0 | 0 | 612 | 0 | 295 | 0 | 0 | 2.074 | 0.000 | 0.000 |
| 2009 | 450 | 2 | 0 | 450 | 2 | 198 | 15 | 33 | 2.274 | 0.156 | 0.071 |
| 2010 | 426 | 0 | 0 | 426 | 0 | 228 | 3 | 7 | 1.869 | 0.112 | 0.049 |
| 2011 | 521 | 2 | 0 | 523 | 0 | 178 | 2 | 5 | 2.935 | 0.105 | 0.044 |
| 2012 | 634 | 6 | 1 | 634 | 7 | 297 | 19 | 48 | 2.135 | 0.374 | 0.148 |
| 2013 | 168 | 0 | 0 | 168 | 0 | 125 | 1 | 3 | 1.344 | 0.062 | 0.023 |
| 2014 | 250 | 0 | 0 | 250 | 0 | 128 | 0 | 0 | 1.953 | 0.000 | 0.000 |
| 2015 | 215 | 0 | 0 | 215 | 0 | 113 | 1 | 3 | 1.903 | 0.100 | 0.034 |
| 2016 | 306 | 0 | 0 | 306 | 0 | 167 | 0 | 0 | 1.833 | 0 | 0 |
| 2017 | 178 | 0.02 | 0 | 178 | 0.02 | 105 | 0 | 0 | 1.698 | 0 | 0 |
| 2018 | 814 | 1 | 0 | 815 | 0 | 366 | 0 | 0 | 2.227 | 0 | 0 |
| 2019 | 851 | 0.36 | 0 | 852 | 0 | 325 | 0 | 0 | 2.623 | 0 | 0 |
| 2020 | 272 | 0.02 | 0 | 272 | 0 | 149 | 0 | 0 | 1.826 | 0 | 0 |
| 2021 | 319 | 0.00 | 0 | 319 | 0 | 139 | 0 | 0 | 2.292 | 0 | 0 |
| 2022 | 519 | 0.30 | 0 | 519 | 0 | 176 | 2 | 8 | 2.950 | 0.155 | 0.038 |

Table 15: Mitchell

| Year | Catch (tonnes) | | | | | Effort (days) | | | CPUE (tonnes/day) | | |
|------|----------------|-------|-----------|----------------|---------------|----------------|-------------------------|---------------------------|-------------------|-------------------------|---------------------------|
| | Banana | Tiger | Endeavour | Banana Fishery | Tiger Fishery | Banana Fishery | Tiger Fishery (nominal) | Tiger Fishery (effective) | Banana Fishery | Tiger Fishery (nominal) | Tiger Fishery (effective) |
| 1994 | 180 | 2 | 0 | 180 | 2 | 406 | 3 | 3 | 0.442 | 0.708 | 0.675 |
| 1995 | 433 | 0 | 0 | 433 | 0 | 308 | 0 | 0 | 1.406 | 0.000 | 0.000 |
| 1996 | 433 | 0 | 0 | 433 | 0 | 468 | 1 | 1 | 0.926 | 0.135 | 0.117 |
| 1997 | 274 | 0 | 0 | 274 | 0 | 289 | 0 | 0 | 0.949 | 0.000 | 0.000 |
| 1998 | 188 | 2 | 0 | 188 | 2 | 244 | 7 | 9 | 0.772 | 0.305 | 0.239 |
| 1999 | 246 | 0 | 0 | 246 | 0 | 268 | 0 | 0 | 0.918 | 0.000 | 0.000 |
| 2000 | 100 | 0 | 0 | 100 | 0 | 178 | 1 | 1 | 0.563 | 0.090 | 0.064 |
| 2001 | 256 | 0 | 0 | 257 | 0 | 300 | 0 | 0 | 0.856 | 0.000 | 0.000 |
| 2002 | 601 | 1 | 0 | 601 | 1 | 363 | 7 | 11 | 1.657 | 0.131 | 0.084 |
| 2003 | 325 | 0 | 0 | 325 | 0 | 377 | 0 | 0 | 0.862 | 0.000 | 0.000 |
| 2004 | 455 | 0 | 0 | 455 | 0 | 500 | 1 | 2 | 0.911 | 0.077 | 0.045 |
| 2005 | 306 | 0 | 0 | 306 | 0 | 296 | 0 | 0 | 1.034 | 0.000 | 0.000 |
| 2006 | 71 | 0 | 0 | 71 | 0 | 147 | 0 | 0 | 0.483 | 0.000 | 0.000 |
| 2007 | 455 | 0 | 0 | 455 | 0 | 301 | 0 | 0 | 1.512 | 0.000 | 0.000 |
| 2008 | 380 | 0 | 0 | 380 | 0 | 192 | 3 | 6 | 1.980 | 0.142 | 0.068 |
| 2009 | 282 | 0 | 0 | 282 | 0 | 160 | 1 | 2 | 1.761 | 0.010 | 0.005 |
| 2010 | 285 | 0 | 0 | 285 | 0 | 147 | 0 | 0 | 1.940 | 0.000 | 0.000 |
| 2011 | 288 | 0 | 0 | 288 | 0 | 107 | 0 | 0 | 2.695 | 0.000 | 0.000 |
| 2012 | 326 | 0 | 0 | 326 | 0 | 169 | 1 | 3 | 1.932 | 0.243 | 0.096 |
| 2013 | 566 | 0 | 0 | 567 | 0 | 200 | 0 | 0 | 2.833 | 0.000 | 0.000 |
| 2014 | 528 | 0 | 0 | 528 | 0 | 210 | 0 | 0 | 2.514 | 0.000 | 0.000 |
| 2015 | 480 | 0 | 0 | 480 | 0 | 131 | 0 | 0 | 3.664 | 0.000 | 0.000 |
| 2016 | 349 | 0 | 0 | 349 | 0 | 138 | 0 | 0 | 2.532 | 0 | 0 |
| 2017 | 205 | 0.3 | 0.5 | 205 | 1 | 87 | 4 | 13 | 2.353 | 199 | 0.062 |
| 2018 | 471 | 0 | 0 | 471 | 0.589 | 192 | 2 | 6.77270988 | 2.454 | 0 | 0 |
| 2019 | 645 | 0.57 | 1 | 645 | 1 | 233 | 2 | 7 | 2.768 | 0 | 0 |
| 2020 | 248 | 0.56 | 0 | 248 | 0 | 110 | 0 | 0 | 2.258 | 0 | 0 |
| 2021 | 211 | 0.00 | 0 | 211 | 0 | 116 | 0 | 0 | 1.818 | 0 | 0 |
| 2022 | 166 | 0.00 | 0 | 166 | 0 | 59 | 0 | 0 | 2.822 | 0 | 0 |

Table 16: Bold

| Year | Catch (tonnes) | | | | | Effort (days) | | | CPUE (tonnes/day) | | |
|------|----------------|-------|-----------|----------------|---------------|----------------|-------------------------|---------------------------|-------------------|-------------------------|---------------------------|
| | Banana | Tiger | Endeavour | Banana Fishery | Tiger Fishery | Banana Fishery | Tiger Fishery (nominal) | Tiger Fishery (effective) | Banana Fishery | Tiger Fishery (nominal) | Tiger Fishery (effective) |
| | | | | | | | | | | | |
| 1994 | 244 | 115 | 22 | 241 | 143 | 542 | 553 | 581 | 0.444 | 0.258 | 0.246 |
| 1995 | 646 | 416 | 89 | 643 | 516 | 571 | 1187 | 1309 | 1.127 | 0.435 | 0.394 |
| 1996 | 393 | 86 | 24 | 393 | 112 | 429 | 457 | 529 | 0.917 | 0.246 | 0.212 |
| 1997 | 570 | 53 | 49 | 570 | 102 | 332 | 274 | 333 | 1.716 | 0.373 | 0.307 |
| 1998 | 574 | 104 | 22 | 579 | 125 | 628 | 460 | 587 | 0.922 | 0.271 | 0.213 |
| 1999 | 325 | 35 | 12 | 324 | 48 | 413 | 227 | 304 | 0.786 | 0.213 | 0.159 |
| 2000 | 289 | 20 | 1 | 287 | 23 | 349 | 161 | 227 | 0.823 | 0.145 | 0.103 |
| 2001 | 1736 | 11 | 16 | 1739 | 26 | 912 | 91 | 134 | 1.907 | 0.286 | 0.193 |
| 2002 | 1612 | 32 | 2 | 1614 | 32 | 788 | 172 | 267 | 2.048 | 0.183 | 0.118 |
| 2003 | 609 | 5 | 0 | 610 | 5 | 480 | 37 | 60 | 1.271 | 0.141 | 0.087 |
| 2004 | 649 | 2 | 0 | 649 | 3 | 392 | 15 | 26 | 1.654 | 0.183 | 0.107 |
| 2005 | 643 | 15 | 2 | 643 | 15 | 417 | 79 | 142 | 1.542 | 0.186 | 0.104 |
| 2006 | 479 | 4 | 0 | 479 | 4 | 378 | 22 | 41 | 1.268 | 0.202 | 0.107 |
| 2007 | 439 | 33 | 7 | 439 | 33 | 297 | 129 | 255 | 1.477 | 0.256 | 0.129 |
| 2008 | 1304 | 84 | 33 | 1302 | 120 | 489 | 327 | 680 | 2.662 | 0.366 | 0.176 |
| 2009 | 1614 | 52 | 41 | 1614 | 94 | 531 | 168 | 367 | 3.040 | 0.559 | 0.256 |
| 2010 | 1097 | 45 | 16 | 1094 | 64 | 442 | 87 | 199 | 2.475 | 0.739 | 0.323 |
| 2011 | 2451 | 46 | 20 | 2451 | 66 | 611 | 173 | 416 | 4.011 | 0.381 | 0.158 |
| 2012 | 912 | 110 | 45 | 905 | 162 | 368 | 347 | 877 | 2.459 | 0.466 | 0.185 |
| 2013 | 545 | 191 | 54 | 541 | 250 | 278 | 539 | 1430 | 1.946 | 0.464 | 0.175 |
| 2014 | 1445 | 42 | 21 | 1442 | 67 | 518 | 131 | 365 | 2.784 | 0.511 | 0.184 |
| 2015 | 742 | 55 | 9 | 742 | 55 | 271 | 112 | 328 | 2.738 | 0.491 | 0.168 |
| 2016 | 743 | 62 | 2 | 744 | 64 | 373 | 168 | 516 | 1.994 | 0.384 | 0.125 |
| 2017 | 757 | 8 | 0.4 | 757 | 9 | 229 | 34 | 110 | 3.306 | 0.265 | 0.082 |
| 2018 | 693 | 17 | 5 | 693 | 22 | 268 | 75 | 254 | 2.587 | 0.295 | 0.087 |
| 2019 | 1615 | 101 | 47 | 1606 | 160 | 444 | 260 | 924 | 3.616 | 0.616 | 0.173 |
| 2020 | 855 | 18 | 9 | 855 | 27 | 300 | 86 | 321 | 2.849 | 0.320 | 0.086 |
| 2021 | 760 | 12 | 6 | 760 | 19 | 279 | 76 | 298 | 2.724 | 0.245 | 0.062 |
| 2022 | 332 | 23 | 12 | 332 | 35 | 142 | 79 | 325 | 2.340 | 0.442 | 0.107 |

Table 17: Sweers

| Year | Catch (tonnes) | | | | | Effort (days) | | | CPUE (tonnes/day) | | |
|------|----------------|-------|-----------|----------------|---------------|----------------|-------------------------|---------------------------|-------------------|-------------------------|---------------------------|
| | Banana | Tiger | Endeavour | Banana Fishery | Tiger Fishery | Banana Fishery | Tiger Fishery (nominal) | Tiger Fishery (effective) | Banana Fishery | Tiger Fishery (nominal) | Tiger Fishery (effective) |
| | | | | | | | | | | | |
| 1994 | 16 | 49 | 33 | 17 | 82 | 95 | 288 | 302 | 0.178 | 0.286 | 0.272 |
| 1995 | 336 | 357 | 126 | 331 | 498 | 213 | 1249 | 1377 | 1.553 | 0.398 | 0.361 |
| 1996 | 162 | 167 | 146 | 161 | 316 | 147 | 980 | 1134 | 1.097 | 0.323 | 0.279 |
| 1997 | 127 | 145 | 104 | 127 | 251 | 101 | 713 | 867 | 1.257 | 0.352 | 0.290 |
| 1998 | 473 | 41 | 60 | 486 | 88 | 532 | 305 | 389 | 0.914 | 0.290 | 0.227 |
| 1999 | 0 | 1 | 0 | 0 | 1 | 56 | 10 | 13 | 0.004 | 0.147 | 0.110 |
| 2000 | 61 | 3 | 2 | 60 | 5 | 98 | 22 | 31 | 0.612 | 0.221 | 0.157 |
| 2001 | 494 | 4 | 3 | 494 | 9 | 330 | 34 | 50 | 1.498 | 0.258 | 0.174 |
| 2002 | 225 | 2 | 1 | 225 | 3 | 204 | 19 | 29 | 1.105 | 0.146 | 0.094 |
| 2003 | 125 | 0 | 0 | 125 | 0 | 150 | 2 | 3 | 0.836 | 0.096 | 0.059 |
| 2004 | 127 | 0 | 0 | 127 | 0 | 106 | 1 | 2 | 1.198 | 0.230 | 0.134 |
| 2005 | 146 | 4 | 7 | 146 | 4 | 87 | 65 | 117 | 1.678 | 0.062 | 0.034 |
| 2006 | 70 | 0 | 0 | 70 | 0 | 48 | 1 | 2 | 1.454 | 0.130 | 0.069 |
| 2007 | 137 | 0 | 0 | 137 | 0 | 83 | 0 | 0 | 1.649 | 0.000 | 0.000 |
| 2008 | 126 | 28 | 15 | 126 | 43 | 63 | 115 | 239 | 2.001 | 0.378 | 0.182 |
| 2009 | 178 | 4 | 3 | 178 | 8 | 61 | 11 | 24 | 2.924 | 0.702 | 0.322 |
| 2010 | 397 | 4 | 7 | 396 | 13 | 179 | 22 | 50 | 2.213 | 0.576 | 0.251 |
| 2011 | 379 | 90 | 46 | 379 | 136 | 143 | 281 | 676 | 2.653 | 0.485 | 0.201 |
| 2012 | 177 | 50 | 49 | 174 | 103 | 65 | 219 | 553 | 2.673 | 0.468 | 0.185 |
| 2013 | 92 | 89 | 61 | 90 | 153 | 45 | 260 | 690 | 1.990 | 0.587 | 0.221 |
| 2014 | 436 | 70 | 49 | 428 | 129 | 144 | 223 | 621 | 2.972 | 0.578 | 0.208 |
| 2015 | 120 | 202 | 66 | 117 | 283 | 56 | 374 | 1094 | 2.089 | 0.757 | 0.259 |
| 2016 | 275 | 257 | 52 | 264 | 328 | 122 | 518 | 1591 | 2.166 | 0.633 | 0.206 |
| 2017 | 714 | 7 | 3 | 715 | 9 | 172 | 37 | 119 | 4.157 | 0.243 | 0.075 |
| 2018 | 429 | 35 | 23 | 429 | 60 | 152 | 110 | 372 | 2.821 | 0.545 | 0.161 |
| 2019 | 423 | 101 | 60 | 419 | 171 | 137 | 262 | 932 | 3.060 | 0.651 | 0.183 |
| 2020 | 264 | 25 | 19 | 265 | 44 | 147 | 99 | 370 | 1.803 | 0.444 | 0.119 |
| 2021 | 229 | 31 | 27 | 228 | 60 | 79 | 127 | 498 | 2.891 | 0.472 | 0.120 |
| 2022 | 119 | 19 | 13 | 118 | 33 | 39 | 65 | 268 | 3.026 | 0.512 | 0.124 |

Table 18: Morningson

| Year | Catch (tonnes) | | | | | Effort (days) | | | CPUE (tonnes/day) | | |
|------|----------------|-------|-----------|----------------|---------------|----------------|-------------------------|---------------------------|-------------------|-------------------------|---------------------------|
| | Banana | Tiger | Endeavour | Banana Fishery | Tiger Fishery | Banana Fishery | Tiger Fishery (nominal) | Tiger Fishery (effective) | Banana Fishery | Tiger Fishery (nominal) | Tiger Fishery (effective) |
| 1994 | 4 | 760 | 306 | 2 | 1085 | 50 | 4813 | 5054 | 0.036 | 0.225 | 0.215 |
| 1995 | 126 | 1531 | 283 | 110 | 1840 | 141 | 5243 | 5780 | 0.779 | 0.351 | 0.318 |
| 1996 | 105 | 640 | 405 | 104 | 1052 | 148 | 4571 | 5292 | 0.702 | 0.230 | 0.199 |
| 1997 | 62 | 690 | 347 | 62 | 1046 | 72 | 3867 | 4700 | 0.857 | 0.271 | 0.223 |
| 1998 | 233 | 919 | 464 | 226 | 1394 | 323 | 4795 | 6120 | 0.699 | 0.291 | 0.228 |
| 1999 | 9 | 445 | 219 | 9 | 665 | 72 | 2474 | 3315 | 0.123 | 0.269 | 0.201 |
| 2000 | 110 | 473 | 306 | 110 | 780 | 147 | 3445 | 4847 | 0.752 | 0.226 | 0.161 |
| 2001 | 928 | 392 | 184 | 926 | 578 | 827 | 2157 | 3187 | 1.120 | 0.268 | 0.182 |
| 2002 | 65 | 85 | 53 | 65 | 139 | 177 | 680 | 1055 | 0.365 | 0.204 | 0.132 |
| 2003 | 102 | 163 | 32 | 101 | 197 | 127 | 645 | 1051 | 0.798 | 0.305 | 0.187 |
| 2004 | 37 | 47 | 7 | 37 | 54 | 82 | 205 | 351 | 0.446 | 0.265 | 0.155 |
| 2005 | 91 | 280 | 64 | 91 | 280 | 113 | 1281 | 2300 | 0.807 | 0.219 | 0.122 |
| 2006 | 187 | 206 | 44 | 187 | 206 | 204 | 780 | 1471 | 0.915 | 0.264 | 0.140 |
| 2007 | 145 | 57 | 24 | 145 | 57 | 179 | 333 | 659 | 0.810 | 0.171 | 0.086 |
| 2008 | 127 | 69 | 18 | 131 | 83 | 134 | 315 | 655 | 0.975 | 0.264 | 0.127 |
| 2009 | 634 | 342 | 54 | 630 | 401 | 286 | 1111 | 2425 | 2.202 | 0.361 | 0.165 |
| 2010 | 443 | 199 | 40 | 441 | 241 | 258 | 528 | 1210 | 1.711 | 0.456 | 0.199 |
| 2011 | 806 | 70 | 29 | 806 | 99 | 273 | 347 | 835 | 2.952 | 0.285 | 0.119 |
| 2012 | 21 | 70 | 4 | 21 | 74 | 7 | 227 | 574 | 2.945 | 0.326 | 0.129 |
| 2013 | 126 | 183 | 49 | 124 | 236 | 83 | 546 | 1449 | 1.492 | 0.432 | 0.163 |
| 2014 | 352 | 188 | 40 | 353 | 230 | 186 | 599 | 1669 | 1.898 | 0.384 | 0.138 |
| 2015 | 184 | 266 | 43 | 180 | 329 | 75 | 567 | 1659 | 2.400 | 0.580 | 0.198 |
| 2016 | 117 | 296 | 40 | 114 | 355 | 92 | 941 | 2890 | 1.235 | 0.377 | 0.123 |
| 2017 | 443 | 101 | 15 | 441 | 120 | 202 | 427 | 1377 | 2.183 | 0.281 | 0.087 |
| 2018 | 169 | 110 | 31 | 166 | 150 | 90 | 443 | 1500 | 1.841 | 0.338 | 0.100 |
| 2019 | 278 | 373 | 163 | 257 | 578 | 141 | 979 | 3481 | 1.824 | 0.591 | 0.166 |
| 2020 | 107 | 122 | 24 | 104 | 151 | 59 | 554 | 2068 | 1.769 | 0.272 | 0.073 |
| 2021 | 180 | 123 | 24 | 179 | 149 | 91 | 565 | 2215 | 1.968 | 0.264 | 0.067 |
| 2022 | 29 | 219 | 71 | 27 | 301 | 24 | 808 | 3326 | 1.136 | 0.373 | 0.091 |

Table 19: Limmen Bight

| Year | Catch (tonnes) | | | | | Effort (days) | | | CPUE (tonnes/day) | | |
|------|----------------|-------|-----------|----------------|---------------|----------------|-------------------------|---------------------------|-------------------|-------------------------|---------------------------|
| | Banana | Tiger | Endeavour | Banana Fishery | Tiger Fishery | Banana Fishery | Tiger Fishery (nominal) | Tiger Fishery (effective) | Banana Fishery | Tiger Fishery (nominal) | Tiger Fishery (effective) |
| 1994 | 9 | 716 | 107 | 5 | 842 | 68 | 3515 | 3691 | 0.073 | 0.240 | 0.228 |
| 1995 | 326 | 448 | 68 | 330 | 515 | 327 | 1856 | 2046 | 1.009 | 0.277 | 0.252 |
| 1996 | 201 | 555 | 174 | 201 | 737 | 252 | 3175 | 3675 | 0.797 | 0.232 | 0.200 |
| 1997 | 28 | 472 | 115 | 28 | 593 | 91 | 2100 | 2553 | 0.311 | 0.282 | 0.232 |
| 1998 | 273 | 748 | 122 | 274 | 870 | 307 | 3003 | 3833 | 0.891 | 0.290 | 0.227 |
| 1999 | 78 | 610 | 155 | 79 | 773 | 183 | 2933 | 3931 | 0.429 | 0.264 | 0.197 |
| 2000 | 229 | 558 | 179 | 232 | 737 | 348 | 2725 | 3834 | 0.666 | 0.270 | 0.192 |
| 2001 | 1732 | 584 | 250 | 1744 | 825 | 1440 | 2594 | 3833 | 1.211 | 0.318 | 0.215 |
| 2002 | 17 | 306 | 73 | 14 | 381 | 37 | 1373 | 2130 | 0.381 | 0.278 | 0.179 |
| 2003 | 420 | 848 | 132 | 420 | 981 | 449 | 2749 | 4478 | 0.935 | 0.357 | 0.219 |
| 2004 | 55 | 670 | 113 | 55 | 784 | 173 | 2607 | 4459 | 0.319 | 0.301 | 0.176 |
| 2005 | 3 | 509 | 47 | 3 | 509 | 25 | 2103 | 3777 | 0.120 | 0.242 | 0.135 |
| 2006 | 429 | 719 | 121 | 429 | 719 | 303 | 2516 | 4744 | 1.416 | 0.286 | 0.152 |
| 2007 | 30 | 284 | 62 | 30 | 284 | 101 | 1470 | 2910 | 0.299 | 0.193 | 0.098 |
| 2008 | 111 | 252 | 22 | 112 | 273 | 128 | 1079 | 2243 | 0.878 | 0.253 | 0.121 |
| 2009 | 380 | 581 | 85 | 386 | 659 | 272 | 1951 | 4259 | 1.419 | 0.338 | 0.155 |
| 2010 | 705 | 467 | 80 | 708 | 544 | 317 | 1245 | 2854 | 2.232 | 0.437 | 0.191 |
| 2011 | 277 | 184 | 32 | 278 | 215 | 139 | 891 | 2144 | 2.003 | 0.241 | 0.100 |
| 2012 | 74 | 235 | 37 | 75 | 271 | 43 | 919 | 2322 | 1.756 | 0.294 | 0.117 |
| 2013 | 74 | 541 | 51 | 77 | 589 | 63 | 1288 | 3417 | 1.222 | 0.457 | 0.172 |
| 2014 | 516 | 364 | 48 | 519 | 411 | 191 | 972 | 2708 | 2.717 | 0.423 | 0.152 |
| 2015 | 199 | 455 | 21 | 199 | 478 | 106 | 814 | 2381 | 1.877 | 0.587 | 0.201 |
| 2016 | 78 | 422 | 40 | 80 | 461 | 72 | 1197 | 3677 | 1.112 | 0.385 | 0.125 |
| 2017 | 721 | 350 | 46 | 724 | 393 | 271 | 1340 | 4322 | 2.672 | 0.293 | 0.091 |
| 2018 | 62 | 414 | 30 | 64 | 444 | 58 | 1334 | 4517 | 1.101 | 0.333 | 0.098 |
| 2019 | 87 | 830 | 128 | 84 | 974 | 68 | 2045 | 7271 | 1.231 | 0.476 | 0.134 |
| 2020 | 21 | 257 | 53 | 20 | 314 | 24 | 1058 | 3950 | 0.820 | 0.297 | 0.080 |
| 2021 | 59 | 420 | 99 | 59 | 523 | 47 | 1736 | 6805 | 1.256 | 0.301 | 0.077 |
| 2022 | 25 | 300 | 46 | 24 | 356 | 18 | 1079 | 4441 | 1.352 | 0.330 | 0.080 |

Table 20: Groote

| Year | Catch (tonnes) | | | | | Effort (days) | | | CPUE (tonnes/day) | | |
|------|----------------|-------|-----------|----------------|---------------|----------------|-------------------------|---------------------------|-------------------|-------------------------|---------------------------|
| | Banana | Tiger | Endeavour | Banana Fishery | Tiger Fishery | Banana Fishery | Tiger Fishery (nominal) | Tiger Fishery (effective) | Banana Fishery | Tiger Fishery (nominal) | Tiger Fishery (effective) |
| 1994 | 26 | 930 | 243 | 25 | 1176 | 49 | 5669 | 5952 | 0.503 | 0.207 | 0.198 |
| 1995 | 60 | 722 | 202 | 56 | 930 | 81 | 3554 | 3918 | 0.686 | 0.262 | 0.237 |
| 1996 | 62 | 418 | 131 | 61 | 550 | 109 | 3134 | 3628 | 0.560 | 0.175 | 0.152 |
| 1997 | 74 | 662 | 186 | 72 | 849 | 129 | 3279 | 3986 | 0.559 | 0.259 | 0.213 |
| 1998 | 75 | 951 | 449 | 73 | 1404 | 147 | 6051 | 7723 | 0.494 | 0.232 | 0.182 |
| 1999 | 471 | 803 | 313 | 509 | 1079 | 795 | 4810 | 6446 | 0.640 | 0.224 | 0.167 |
| 2000 | 217 | 780 | 233 | 222 | 1008 | 412 | 3870 | 5445 | 0.539 | 0.260 | 0.185 |
| 2001 | 358 | 662 | 371 | 363 | 1030 | 469 | 3387 | 5004 | 0.774 | 0.304 | 0.206 |
| 2002 | 30 | 1035 | 180 | 29 | 1216 | 63 | 4152 | 6441 | 0.457 | 0.293 | 0.189 |
| 2003 | 126 | 900 | 194 | 119 | 1100 | 121 | 3459 | 5634 | 0.984 | 0.318 | 0.195 |
| 2004 | 111 | 699 | 191 | 112 | 889 | 214 | 3363 | 5752 | 0.522 | 0.264 | 0.155 |
| 2005 | 3 | 576 | 95 | 3 | 576 | 25 | 2811 | 5048 | 0.120 | 0.205 | 0.114 |
| 2006 | 97 | 594 | 137 | 97 | 594 | 171 | 2516 | 4744 | 0.566 | 0.236 | 0.125 |
| 2007 | 49 | 307 | 77 | 49 | 307 | 190 | 1958 | 3877 | 0.257 | 0.157 | 0.079 |
| 2008 | 49 | 265 | 54 | 50 | 318 | 71 | 1361 | 2829 | 0.702 | 0.234 | 0.112 |
| 2009 | 149 | 138 | 71 | 152 | 206 | 146 | 818 | 1786 | 1.044 | 0.252 | 0.116 |
| 2010 | 215 | 618 | 207 | 227 | 813 | 235 | 2059 | 4719 | 0.965 | 0.395 | 0.172 |
| 2011 | 264 | 191 | 103 | 288 | 270 | 380 | 1045 | 2515 | 0.759 | 0.259 | 0.108 |
| 2012 | 44 | 287 | 95 | 47 | 379 | 51 | 1369 | 3459 | 0.915 | 0.277 | 0.110 |
| 2013 | 49 | 713 | 110 | 38 | 834 | 31 | 1888 | 5009 | 1.221 | 0.442 | 0.167 |
| 2014 | 149 | 491 | 150 | 138 | 652 | 43 | 1435 | 3807 | 3.209 | 0.454 | 0.171 |
| 2015 | 200 | 1386 | 214 | 167 | 1634 | 101 | 2538 | 7424 | 1.653 | 0.644 | 0.220 |
| 2016 | 24 | 597 | 127 | 19 | 730 | 45 | 1759 | 5401 | 0.422 | 0.415 | 0.135 |
| 2017 | 192 | 371 | 141 | 195 | 510 | 124 | 1527 | 4925 | 1.573 | 0.334 | 0.104 |
| 2018 | 19 | 448 | 141 | 22 | 586 | 39 | 1685 | 5706 | 0.566 | 0.348 | 0.103 |
| 2019 | 1 | 250 | 83 | 0 | 333 | 3 | 863 | 3069 | 0.113 | 0.386 | 0.109 |
| 2020 | 20 | 345 | 77 | 19 | 422 | 34 | 1430 | 5339 | 0.559 | 0.295 | 0.079 |
| 2021 | 54 | 138 | 74 | 53 | 215 | 48 | 667 | 2615 | 1.095 | 0.322 | 0.082 |
| 2022 | 0 | 75 | 21 | 0 | 97 | 7 | 303 | 1247 | 0.009 | 0.320 | 0.078 |

Table 21: Gove

| Year | Catch (tonnes) | | | | | Effort (days) | | | CPUE (tonnes/day) | | |
|------|----------------|-------|-----------|----------------|---------------|----------------|-------------------------|---------------------------|-------------------|-------------------------|---------------------------|
| | Banana | Tiger | Endeavour | Banana Fishery | Tiger Fishery | Banana Fishery | Tiger Fishery (nominal) | Tiger Fishery (effective) | Banana Fishery | Tiger Fishery (nominal) | Tiger Fishery (effective) |
| 1994 | 42 | 225 | 71 | 43 | 296 | 116 | 1439 | 1511 | 0.370 | 0.206 | 0.196 |
| 1995 | 47 | 345 | 53 | 48 | 398 | 125 | 1522 | 1678 | 0.383 | 0.261 | 0.237 |
| 1996 | 18 | 111 | 21 | 18 | 133 | 131 | 775 | 897 | 0.140 | 0.171 | 0.148 |
| 1997 | 45 | 228 | 54 | 47 | 281 | 136 | 1032 | 1254 | 0.346 | 0.272 | 0.224 |
| 1998 | 39 | 266 | 113 | 37 | 383 | 98 | 1769 | 2258 | 0.374 | 0.216 | 0.170 |
| 1999 | 80 | 203 | 95 | 83 | 296 | 216 | 1423 | 1907 | 0.384 | 0.208 | 0.155 |
| 2000 | 23 | 164 | 47 | 23 | 212 | 122 | 939 | 1321 | 0.188 | 0.226 | 0.161 |
| 2001 | 37 | 179 | 101 | 37 | 281 | 99 | 911 | 1346 | 0.374 | 0.309 | 0.209 |
| 2002 | 77 | 322 | 47 | 74 | 374 | 119 | 1426 | 2212 | 0.624 | 0.262 | 0.169 |
| 2003 | 84 | 205 | 46 | 85 | 251 | 127 | 893 | 1455 | 0.669 | 0.281 | 0.172 |
| 2004 | 71 | 282 | 42 | 72 | 324 | 161 | 1234 | 2111 | 0.446 | 0.262 | 0.153 |
| 2005 | 72 | 288 | 39 | 72 | 288 | 145 | 1370 | 2460 | 0.497 | 0.210 | 0.117 |
| 2006 | 143 | 262 | 54 | 143 | 262 | 243 | 1099 | 2072 | 0.588 | 0.238 | 0.126 |
| 2007 | 61 | 162 | 19 | 61 | 162 | 156 | 816 | 1616 | 0.393 | 0.199 | 0.100 |
| 2008 | 101 | 122 | 12 | 100 | 136 | 75 | 562 | 1168 | 1.335 | 0.242 | 0.116 |
| 2009 | 11 | 35 | 13 | 11 | 48 | 15 | 240 | 524 | 0.706 | 0.201 | 0.092 |
| 2010 | 68 | 241 | 35 | 66 | 278 | 51 | 706 | 1618 | 1.292 | 0.393 | 0.172 |
| 2011 | 97 | 83 | 47 | 95 | 133 | 100 | 501 | 1206 | 0.947 | 0.265 | 0.110 |
| 2012 | 77 | 162 | 27 | 77 | 189 | 87 | 697 | 1761 | 0.881 | 0.271 | 0.107 |
| 2013 | 49 | 269 | 28 | 49 | 297 | 36 | 732 | 1942 | 1.356 | 0.406 | 0.153 |
| 2014 | 42 | 259 | 66 | 41 | 327 | 39 | 737 | 1774 | 1.051 | 0.444 | 0.184 |
| 2015 | 143 | 493 | 72 | 146 | 562 | 150 | 905 | 2647 | 0.973 | 0.621 | 0.212 |
| 2016 | 109 | 147 | 19 | 111 | 166 | 89 | 471 | 1447 | 1.247 | 0.352 | 0.115 |
| 2017 | 85 | 72 | 10 | 81 | 86 | 93 | 382 | 1232 | 0.871 | 0.225 | 0.070 |
| 2018 | 65 | 164 | 36 | 66 | 200 | 78 | 590 | 1998 | 0.844 | 0.340 | 0.100 |
| 2019 | 59 | 170 | 31 | 60 | 201 | 44 | 487 | 1732 | 1.356 | 0.412 | 0.116 |
| 2020 | 55 | 180 | 16 | 55 | 196 | 55 | 675 | 2520 | 1.000 | 0.290 | 0.078 |
| 2021 | 88 | 86 | 15 | 88 | 102 | 96 | 362 | 1419 | 0.915 | 0.282 | 0.072 |
| 2022 | 108 | 53 | 7 | 107 | 61 | 96 | 234 | 963 | 1.119 | 0.261 | 0.063 |

Table 22: Arnhem

| Year | Catch (tonnes) | | | | | Effort (days) | | | CPUE (tonnes/day) | | |
|------|----------------|-------|-----------|----------------|---------------|----------------|-------------------------|---------------------------|-------------------|-------------------------|---------------------------|
| | Banana | Tiger | Endeavour | Banana Fishery | Tiger Fishery | Banana Fishery | Tiger Fishery (nominal) | Tiger Fishery (effective) | Banana Fishery | Tiger Fishery (nominal) | Tiger Fishery (effective) |
| 1994 | 42 | 90 | 11 | 44 | 100 | 178 | 526 | 552 | 0.245 | 0.190 | 0.181 |
| 1995 | 160 | 19 | 1 | 160 | 21 | 132 | 109 | 120 | 1.211 | 0.188 | 0.171 |
| 1996 | 90 | 37 | 3 | 90 | 40 | 210 | 252 | 292 | 0.430 | 0.158 | 0.137 |
| 1997 | 87 | 17 | 2 | 87 | 18 | 178 | 105 | 128 | 0.490 | 0.174 | 0.143 |
| 1998 | 94 | 49 | 2 | 95 | 52 | 225 | 231 | 295 | 0.422 | 0.223 | 0.175 |
| 1999 | 176 | 8 | 1 | 176 | 8 | 253 | 74 | 99 | 0.695 | 0.113 | 0.085 |
| 2000 | 50 | 21 | 2 | 50 | 22 | 181 | 148 | 208 | 0.278 | 0.149 | 0.106 |
| 2001 | 127 | 32 | 2 | 128 | 35 | 135 | 142 | 210 | 0.950 | 0.245 | 0.166 |
| 2002 | 64 | 57 | 1 | 63 | 59 | 147 | 193 | 299 | 0.432 | 0.304 | 0.196 |
| 2003 | 165 | 11 | 0 | 166 | 10 | 183 | 43 | 70 | 0.908 | 0.237 | 0.145 |
| 2004 | 264 | 6 | 0 | 265 | 5 | 303 | 39 | 67 | 0.873 | 0.129 | 0.076 |
| 2005 | 112 | 15 | 0 | 112 | 15 | 186 | 70 | 126 | 0.603 | 0.217 | 0.121 |
| 2006 | 213 | 7 | 1 | 213 | 7 | 227 | 44 | 83 | 0.938 | 0.159 | 0.084 |
| 2007 | 36 | 11 | 1 | 36 | 11 | 118 | 66 | 131 | 0.302 | 0.168 | 0.085 |
| 2008 | 327 | 68 | 8 | 326 | 76 | 176 | 234 | 486 | 1.854 | 0.324 | 0.156 |
| 2009 | 48 | 9 | 0 | 48 | 9 | 35 | 38 | 83 | 1.374 | 0.236 | 0.108 |
| 2010 | 258 | 4 | 0 | 258 | 4 | 124 | 17 | 39 | 2.079 | 0.215 | 0.094 |
| 2011 | 243 | 8 | 2 | 242 | 10 | 98 | 48 | 116 | 2.473 | 0.207 | 0.086 |
| 2012 | 305 | 5 | 0 | 305 | 5 | 102 | 22 | 56 | 2.994 | 0.221 | 0.087 |
| 2013 | 95 | 39 | 3 | 95 | 43 | 58 | 120 | 318 | 1.641 | 0.358 | 0.135 |
| 2014 | 308 | 15 | 3 | 309 | 17 | 153 | 51 | 123 | 2.020 | 0.333 | 0.139 |
| 2015 | 173 | 35 | 3 | 173 | 38 | 153 | 62 | 181 | 1.131 | 0.613 | 0.210 |
| 2016 | 58 | 97 | 5 | 58 | 102 | 50 | 239 | 734 | 1.160 | 0.427 | 0.139 |
| 2017 | 142 | 37 | 1 | 142 | 38 | 120 | 121 | 390 | 1.183 | 0.314 | 0.097 |
| 2018 | 159 | 33 | 2 | 159 | 35 | 89 | 109 | 369 | 1.785 | 0.319 | 0.094 |
| 2019 | 84 | 44 | 3 | 84 | 47 | 46 | 97 | 328 | 1.832 | 0.489 | 0.144 |
| 2020 | 42 | 80 | 8 | 44 | 86 | 37 | 240 | 896 | 1.187 | 0.360 | 0.096 |
| 2021 | 134 | 28 | 8 | 135 | 36 | 111 | 121 | 474 | 1.212 | 0.295 | 0.075 |
| 2022 | 382 | 11 | 2 | 381 | 12 | 158 | 54 | 222 | 2.413 | 0.231 | 0.056 |

Table 23: Port Essington

| Year | Catch (tonnes) | | | | | Effort (days) | | | CPUE (tonnes/day) | | |
|------|----------------|-------|-----------|----------------|---------------|----------------|-------------------------|---------------------------|-------------------|-------------------------|---------------------------|
| | Banana | Tiger | Endeavour | Banana Fishery | Tiger Fishery | Banana Fishery | Tiger Fishery (nominal) | Tiger Fishery (effective) | Banana Fishery | Tiger Fishery (nominal) | Tiger Fishery (effective) |
| 1994 | 132 | 26 | 9 | 136 | 31 | 378 | 176 | 185 | 0.361 | 0.176 | 0.167 |
| 1995 | 257 | 63 | 57 | 253 | 124 | 363 | 359 | 396 | 0.697 | 0.344 | 0.312 |
| 1996 | 177 | 14 | 4 | 180 | 15 | 332 | 96 | 111 | 0.543 | 0.154 | 0.133 |
| 1997 | 302 | 16 | 54 | 302 | 69 | 478 | 186 | 226 | 0.632 | 0.372 | 0.306 |
| 1998 | 175 | 74 | 34 | 173 | 109 | 358 | 415 | 530 | 0.485 | 0.262 | 0.205 |
| 1999 | 195 | 8 | 18 | 196 | 25 | 343 | 98 | 131 | 0.570 | 0.259 | 0.193 |
| 2000 | 180 | 39 | 25 | 180 | 65 | 288 | 216 | 304 | 0.624 | 0.301 | 0.214 |
| 2001 | 280 | 63 | 142 | 258 | 227 | 345 | 395 | 584 | 0.749 | 0.576 | 0.390 |
| 2002 | 213 | 86 | 25 | 212 | 113 | 339 | 273 | 424 | 0.624 | 0.414 | 0.267 |
| 2003 | 212 | 12 | 6 | 219 | 11 | 367 | 47 | 77 | 0.595 | 0.236 | 0.145 |
| 2004 | 193 | 17 | 7 | 195 | 22 | 241 | 92 | 157 | 0.810 | 0.235 | 0.137 |
| 2005 | 236 | 15 | 6 | 236 | 15 | 403 | 47 | 84 | 0.586 | 0.327 | 0.182 |
| 2006 | 193 | 2 | 2 | 193 | 2 | 197 | 6 | 11 | 0.980 | 0.333 | 0.177 |
| 2007 | 116 | 3 | 0 | 116 | 3 | 141 | 18 | 36 | 0.820 | 0.178 | 0.090 |
| 2008 | 379 | 99 | 22 | 378 | 122 | 285 | 324 | 674 | 1.326 | 0.377 | 0.181 |
| 2009 | 107 | 15 | 5 | 109 | 17 | 103 | 51 | 111 | 1.062 | 0.332 | 0.152 |
| 2010 | 254 | 8 | 3 | 259 | 6 | 208 | 18 | 41 | 1.246 | 0.323 | 0.141 |
| 2011 | 243 | 21 | 27 | 252 | 40 | 236 | 92 | 221 | 1.066 | 0.437 | 0.182 |
| 2012 | 283 | 38 | 18 | 291 | 48 | 188 | 124 | 313 | 1.546 | 0.385 | 0.152 |
| 2013 | 170 | 45 | 21 | 169 | 67 | 162 | 118 | 313 | 1.042 | 0.568 | 0.214 |
| 2014 | 340 | 41 | 51 | 347 | 85 | 264 | 133 | 320 | 1.314 | 0.639 | 0.266 |
| 2015 | 264 | 85 | 37 | 262 | 124 | 240 | 152 | 445 | 1.092 | 0.816 | 0.279 |
| 2016 | 171 | 171 | 31 | 162 | 212 | 161 | 344 | 1057 | 1.006 | 0.617 | 0.201 |
| 2017 | 186 | 13 | 6 | 188 | 16 | 182 | 56 | 181 | 1.033 | 0.286 | 0.089 |
| 2018 | 214 | 51 | 36 | 219 | 82 | 215 | 171 | 579 | 1.018 | 0.481 | 0.142 |
| 2019 | 128 | 30 | 10 | 128 | 40 | 106 | 82 | 292 | 1.210 | 0.489 | 0.137 |
| 2020 | 161 | 149 | 48 | 160 | 198 | 175 | 425 | 1587 | 0.914 | 0.466 | 0.125 |
| 2021 | 242 | 29 | 32 | 243 | 61 | 291 | 168 | 659 | 0.836 | 0.362 | 0.092 |
| 2022 | 411 | 24 | 17 | 414 | 38 | 353 | 107 | 440 | 1.172 | 0.352 | 0.086 |

Table 24: Melville

| Year | Catch (tonnes) | | | | | Effort (days) | | | CPUE (tonnes/day) | | |
|------|----------------|-------|-----------|----------------|---------------|----------------|-------------------------|---------------------------|-------------------|-------------------------|---------------------------|
| | Banana | Tiger | Endeavour | Banana Fishery | Tiger Fishery | Banana Fishery | Tiger Fishery (nominal) | Tiger Fishery (effective) | Banana Fishery | Tiger Fishery (nominal) | Tiger Fishery (effective) |
| 1994 | 168 | 14 | 12 | 169 | 26 | 453 | 131 | 138 | 0.373 | 0.196 | 0.187 |
| 1995 | 493 | 20 | 56 | 502 | 67 | 628 | 186 | 205 | 0.799 | 0.361 | 0.327 |
| 1996 | 289 | 7 | 27 | 294 | 29 | 557 | 126 | 146 | 0.529 | 0.228 | 0.197 |
| 1997 | 554 | 41 | 111 | 574 | 132 | 842 | 312 | 379 | 0.682 | 0.424 | 0.349 |
| 1998 | 235 | 46 | 49 | 237 | 93 | 519 | 312 | 398 | 0.457 | 0.298 | 0.233 |
| 1999 | 527 | 8 | 14 | 531 | 17 | 667 | 76 | 102 | 0.796 | 0.229 | 0.171 |
| 2000 | 189 | 2 | 2 | 191 | 2 | 380 | 13 | 18 | 0.502 | 0.126 | 0.089 |
| 2001 | 351 | 5 | 18 | 358 | 17 | 439 | 63 | 93 | 0.816 | 0.273 | 0.185 |
| 2002 | 286 | 29 | 18 | 295 | 38 | 468 | 118 | 183 | 0.630 | 0.321 | 0.207 |
| 2003 | 253 | 14 | 13 | 267 | 13 | 432 | 51 | 83 | 0.618 | 0.249 | 0.153 |
| 2004 | 455 | 0 | 0 | 455 | 0 | 500 | 1 | 2 | 0.911 | 0.077 | 0.045 |
| 2005 | 306 | 0 | 0 | 306 | 0 | 530 | 44 | 79 | 0.577 | 0.000 | 0.000 |
| 2006 | 160 | 1 | 1 | 160 | 0 | 230 | 1 | 2 | 0.696 | 0.000 | 0.000 |
| 2007 | 134 | 0 | 0 | 134 | 0 | 141 | 3 | 6 | 0.947 | 0.000 | 0.000 |
| 2008 | 528 | 3 | 2 | 532 | 1 | 435 | 6 | 12 | 1.223 | 0.203 | 0.097 |
| 2009 | 302 | 7 | 12 | 309 | 12 | 208 | 34 | 74 | 1.488 | 0.358 | 0.164 |
| 2010 | 343 | 4 | 3 | 349 | 1 | 294 | 7 | 16 | 1.186 | 0.173 | 0.075 |
| 2011 | 356 | 2 | 13 | 359 | 13 | 259 | 19 | 46 | 1.384 | 0.660 | 0.274 |
| 2012 | 370 | 41 | 22 | 377 | 56 | 312 | 147 | 371 | 1.209 | 0.381 | 0.151 |
| 2013 | 252 | 73 | 51 | 263 | 113 | 227 | 154 | 409 | 1.160 | 0.731 | 0.275 |
| 2014 | 322 | 72 | 65 | 330 | 130 | 265 | 194 | 467 | 1.245 | 0.670 | 0.278 |
| 2015 | 416 | 112 | 64 | 425 | 167 | 329 | 206 | 603 | 1.292 | 0.811 | 0.277 |
| 2016 | 215 | 67 | 43 | 222 | 103 | 237 | 152 | 467 | 0.937 | 0.675 | 0.220 |
| 2017 | 509 | 11 | 10 | 512 | 18 | 408 | 66 | 213 | 1.255 | 0.273 | 0.085 |
| 2018 | 287 | 79 | 80 | 296 | 150 | 288 | 262 | 887 | 1.027 | 0.574 | 0.170 |
| 2019 | 189 | 110 | 59 | 194 | 163 | 178 | 303 | 1077 | 1.092 | 0.538 | 0.151 |
| 2020 | 239 | 124 | 80 | 250 | 193 | 266 | 419 | 1564 | 0.941 | 0.460 | 0.123 |
| 2021 | 353 | 79 | 99 | 362 | 169 | 353 | 358 | 1403 | 1.025 | 0.473 | 0.121 |
| 2022 | 374 | 47 | 67 | 377 | 111 | 330 | 273 | 1124 | 1.144 | 0.406 | 0.099 |

Table 25: Fog Bay

| Year | Catch (tonnes) | | | | | Effort (days) | | | CPUE (tonnes/day) | | |
|------|----------------|-------|-----------|----------------|---------------|----------------|-------------------------|---------------------------|-------------------|-------------------------|---------------------------|
| | Banana | Tiger | Endeavour | Banana Fishery | Tiger Fishery | Banana Fishery | Tiger Fishery (nominal) | Tiger Fishery (effective) | Banana Fishery | Tiger Fishery (nominal) | Tiger Fishery (effective) |
| 1994 | 210 | 6 | 2 | 211 | 8 | 393 | 76 | 80 | 0.536 | 0.101 | 0.096 |
| 1995 | 251 | 5 | 1 | 251 | 6 | 346 | 40 | 44 | 0.726 | 0.144 | 0.130 |
| 1996 | 147 | 4 | 0 | 147 | 4 | 227 | 43 | 50 | 0.648 | 0.096 | 0.083 |
| 1997 | 448 | 10 | 3 | 452 | 10 | 464 | 61 | 74 | 0.974 | 0.158 | 0.130 |
| 1998 | 307 | 11 | 10 | 308 | 22 | 420 | 118 | 151 | 0.733 | 0.184 | 0.144 |
| 1999 | 254 | 1 | 1 | 254 | 2 | 308 | 17 | 23 | 0.824 | 0.137 | 0.103 |
| 2000 | 221 | 1 | 0 | 221 | 1 | 271 | 15 | 21 | 0.817 | 0.074 | 0.053 |
| 2001 | 307 | 0 | 0 | 308 | 0 | 271 | 1 | 1 | 1.136 | 0.202 | 0.137 |
| 2002 | 208 | 0 | 0 | 208 | 1 | 295 | 9 | 14 | 0.704 | 0.135 | 0.087 |
| 2003 | 259 | 0 | 0 | 259 | 1 | 324 | 2 | 3 | 0.798 | 0.255 | 0.157 |
| 2004 | 332 | 0 | 0 | 332 | 0 | 261 | 1 | 2 | 1.271 | 0.270 | 0.158 |
| 2005 | 123 | 0 | 0 | 123 | 0 | 181 | 1 | 2 | 0.679 | 0.110 | 0.061 |
| 2006 | 258 | 1 | 0 | 258 | 1 | 270 | 2 | 4 | 0.956 | 0.250 | 0.133 |
| 2007 | 237 | 1 | 0 | 237 | 1 | 172 | 3 | 6 | 1.375 | 0.183 | 0.093 |
| 2008 | 316 | 0 | 0 | 316 | 0 | 200 | 1 | 2 | 1.580 | 0.494 | 0.238 |
| 2009 | 287 | 0 | 0 | 287 | 0 | 107 | 1 | 2 | 2.682 | 0.225 | 0.103 |
| 2010 | 318 | 0 | 0 | 318 | 0 | 180 | 0 | 0 | 1.765 | 0.000 | 0.000 |
| 2011 | 286 | 0 | 0 | 286 | 0 | 169 | 0 | 0 | 1.692 | 0.000 | 0.000 |
| 2012 | 233 | 0 | 0 | 233 | 0 | 144 | 0 | 0 | 1.621 | 0.000 | 0.000 |
| 2013 | 197 | 0 | 0 | 197 | 0 | 117 | 0 | 0 | 1.685 | 0.000 | 0.000 |
| 2014 | 191 | 0 | 0 | 191 | 0 | 102 | 1 | 2 | 1.873 | 0.000 | 0.000 |
| 2015 | 156 | 0 | 0 | 156 | 0 | 110 | 0 | 0 | 1.418 | 0.000 | 0.000 |
| 2016 | 171 | 2 | 0 | 171 | 2 | 114 | 2 | 6 | 1.500 | 0.848 | 0.276 |
| 2017 | 230 | 0.1 | 1 | 230 | 1.1 | 162 | 1 | 3 | 1.420 | 1.100 | 0.341 |
| 2018 | 257 | 0 | 0 | 257 | 0 | 137 | 5 | 17 | 1.879 | 0.083 | 0.025 |
| 2019 | 237 | 0 | 0 | 237 | 0 | 101 | 1 | 4 | 2.349 | 0.259 | 0.073 |
| 2020 | 226 | 16 | 3 | 225 | 20 | 177 | 51 | 181 | 1.272 | 0.387 | 0.109 |
| 2021 | 191 | 8 | 5 | 189 | 15 | 157 | 68 | 267 | 1.206 | 0.219 | 0.056 |
| 2022 | 142 | 0 | 0 | 142 | 0 | 101 | 2 | 8 | 1.406 | 0.140 | 0.034 |

Table 26: Bonaparte

| Year | Catch (tonnes) | | | | | Effort (days) | | | CPUE (tonnes/day) | | |
|------|----------------|-------|-----------|----------------|---------------|----------------|-------------------------|---------------------------|-------------------|-------------------------|---------------------------|
| | Banana | Tiger | Endeavour | Banana Fishery | Tiger Fishery | Banana Fishery | Tiger Fishery (nominal) | Tiger Fishery (effective) | Banana Fishery | Tiger Fishery (nominal) | Tiger Fishery (effective) |
| 1994 | 590 | 4 | 21 | 610 | 5 | 1125 | 28 | 29 | 0.542 | 0.182 | 0.173 |
| 1995 | 736 | 11 | 64 | 763 | 49 | 900 | 129 | 142 | 0.848 | 0.380 | 0.345 |
| 1996 | 546 | 10 | 36 | 569 | 23 | 1284 | 93 | 108 | 0.443 | 0.242 | 0.209 |
| 1997 | 1000 | 30 | 623 | 1010 | 643 | 1502 | 1147 | 1394 | 0.673 | 0.561 | 0.461 |
| 1998 | 262 | 25 | 7 | 265 | 29 | 846 | 125 | 160 | 0.313 | 0.230 | 0.180 |
| 1999 | 619 | 16 | 50 | 630 | 54 | 1235 | 246 | 330 | 0.511 | 0.221 | 0.165 |
| 2000 | 397 | 1 | 19 | 404 | 14 | 554 | 32 | 45 | 0.729 | 0.423 | 0.300 |
| 2001 | 292 | 25 | 29 | 303 | 49 | 358 | 187 | 276 | 0.847 | 0.259 | 0.176 |
| 2002 | 435 | 28 | 10 | 441 | 32 | 610 | 164 | 254 | 0.723 | 0.196 | 0.126 |
| 2003 | 411 | 103 | 12 | 422 | 105 | 732 | 566 | 922 | 0.576 | 0.185 | 0.113 |
| 2004 | 477 | 33 | 38 | 495 | 53 | 720 | 198 | 339 | 0.688 | 0.266 | 0.155 |
| 2005 | 318 | 15 | 5 | 318 | 15 | 445 | 64 | 115 | 0.715 | 0.230 | 0.128 |
| 2006 | 231 | 0 | 1 | 231 | 0 | 254 | 0 | 0 | 0.909 | 0.000 | 0.000 |
| 2007 | 151 | 4 | 4 | 151 | 4 | 206 | 20 | 40 | 0.732 | 0.220 | 0.111 |
| 2008 | 185 | 1 | 3 | 189 | 0 | 183 | 2 | 4 | 1.031 | 0.179 | 0.086 |
| 2009 | 612 | 4 | 17 | 628 | 5 | 444 | 13 | 28 | 1.415 | 0.397 | 0.182 |
| 2010 | 254 | 2 | 9 | 261 | 4 | 218 | 10 | 23 | 1.199 | 0.353 | 0.154 |
| 2011 | 463 | 6 | 85 | 472 | 81 | 345 | 100 | 241 | 1.369 | 0.815 | 0.338 |
| 2012 | 195 | 1 | 2 | 198 | | 132 | 0 | 0 | 1.499 | 0.000 | 0.000 |
| 2013 | 380 | 3 | 4 | 387 | 0 | 325 | 1 | 3 | 1.191 | 0.025 | 0.009 |
| 2014 | 883 | 2 | 9 | 891 | 3 | 604 | 4 | 10 | 1.475 | 0.750 | 0.312 |
| 2015 | 30 | 0 | 0 | 30 | 0 | 57 | 1 | 3 | 0.526 | 0.429 | 0.147 |
| 2016 | 35 | 0 | 1 | 35 | 0 | 59 | 1 | 3 | 0.600 | 0.045 | 0.015 |
| 2017 | 383 | 9 | 65 | 388 | 68 | 405 | 117 | 377 | 0.959 | 0.583 | 0.181 |
| 2018 | 263 | 1 | 3 | 266 | 2 | 208 | 8 | 27 | 1.279 | 0.190 | 0.056 |
| 2019 | 48 | 1 | 0 | 49 | 1 | 71 | 17 | 60 | 0.686 | 0.039 | 0.011 |
| 2020 | 139 | 2 | 2 | 141 | 1 | 192 | 25 | 93 | 0.735 | 0.044 | 0.012 |
| 2021 | 565 | 1 | 17 | 581 | 2 | 457 | 27 | 106 | 1.272 | 0.064 | 0.016 |
| 2022 | 682 | 19 | 23 | 703 | 21 | 497 | 33 | 136 | 1.145 | 0.633 | 0.154 |