



هيئة أبحاث البيئة والحياة الفطرية وتنميتها  
Environmental Research and Wildlife  
Development Agency

**Annual Fisheries Statistics**  
**for**  
**Abu Dhabi Emirate 2003**

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## 1. Executive Summary

This report presents the fisheries statistics for Abu Dhabi during 2003 and provides a brief description of the fisheries of the Emirate and the survey design and methodology employed in their monitoring. The data presented contribute to ERWDA's strategic goal of developing a management regime for the fisheries of Abu Dhabi and are produced through the 'Fish Landings and Population Dynamics Project' of the Marine Environmental Research Center.

An estimated total of 9,042 tonnes of fish was landed in the Emirate during 2003, 70 % of which consisted of demersal species. The total catch represented an increase of 10.5 % from the previous year. The most important species categories by weight were: Emperors (32.2 %), Groupers (17.7 %), Jacks (14.4 %), Kingfish (9.8 %) and Sweetlips (8.0 %). The majority of the catch (7,035 tonnes) was landed in Eastern Abu Dhabi, where the Free Port accounted for 78.9 % of the total. Traditional wooden dhows or launch landed 6,689 tonnes, equivalent to 74 % of the total catch.

Fishing effort during 2003 was estimated at 16,405 tarad trips and 8,106 launch trips. The increase in catch by 10.5 % was associated with an increase in the number of landings made by tarads (29 %) and launch (5 %) compared to the previous year. Furthermore, the mean catch rates (kg per trip) increased during 2003 for each boat category, the increase in catch per unit effort was particularly pronounced for the family Lethrinidae (Emperors or Sheri) and Kingfish, two of the primary target species groups.

The total ex-vessel value of the landed catch was 74.4 million AED, representing an increase of 26.8 million AED from 2002. By value the most important species categories were: Groupers (26.9 %), Jacks (24.1 %), Emperors (22.2 %) and Kingfish (14.9 %). Eastern Abu Dhabi accounted for 77 % of the value of the total landings, the most important site being the Free Port. By boat type, dhows accounted for 71 % of the value of the total landed catch.

During 2003 the sale of catches in Abu Dhabi (Mina Zayed) was transferred to a dock side auction, whereas previously catches were sold directly to the Abu Dhabi Fishermen's Co-operative Society. As a result, the average ex-vessel price of fish per kilo for all categories combined, subsequently increased by 43 % compared to 2002.

## 2. Introduction

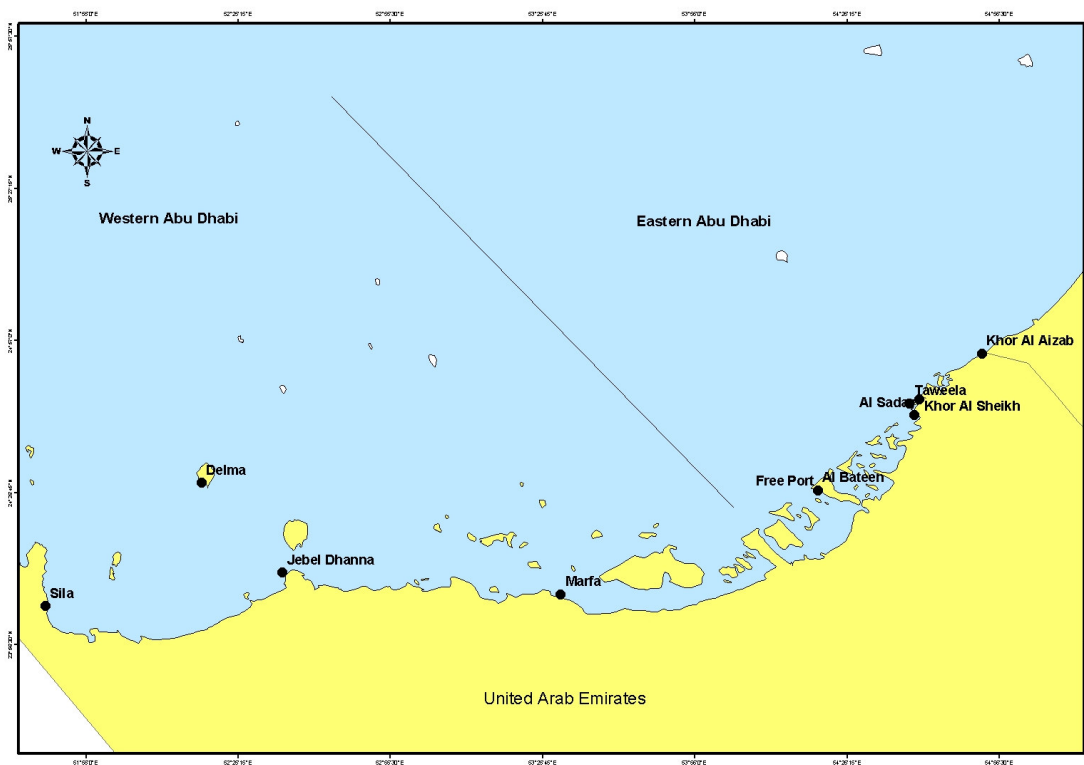
Fisheries provide a source of income, employment and recreation to inhabitants while contributing to the cultural heritage of the Emirate of Abu Dhabi. Fishing is primarily conducted from open fiberglass dories and wooden dhows, dome shaped traps are the most commonly used gear type although a variety of other methods exist. Catches are typically diverse and characteristic of multi-species tropical fisheries, target species primarily being composed of representatives of the families: Carangidae, Lethrinidae, Haemulidae, Serranidae and Scombridae. Whilst the industry is well established, there is a need to develop and maintain historic time series data of empirically derived estimates of yields, fishing effort and economic data. The paucity of knowledge on the resources, their carrying capacity and the extent to which they are exploited emphasizes the need to provide information on catch and effort for fisheries management purposes.

Catch and effort data recording surveys form the foundation of fisheries management information systems. The outputs enable resource status to be monitored and evaluations of fisheries performance to be made, aspects crucial for informed management planning and decision making. In this context, the Marine Environmental Research Center of ERWDA is implementing the 'Fish Landings and Population Dynamics Project' the principal objectives of which include the collection of catch, effort and economic data and the production of fisheries statistics for the Emirate of Abu Dhabi. The survey is intended to fill the existing technical information gap and provide monitoring data on the fishing fleet and exploited resources. The project responds directly to the Environmental Research and Wildlife Development Agency's goal of developing a management regime for the fisheries of Abu Dhabi.

Since the inception of the Fish Landings and Population Dynamics Project, activities have focused on the development of a stratified catch and effort data recording system. This has included data collection from landing sites, establishing collaborative links with other key stakeholder organizations and the development of database applications. This report presents the fisheries statistics for Abu Dhabi for 2003 and provides a brief description of the fisheries of the Emirate and the survey design and methodology employed in their monitoring.

### 3. Methodology and Survey Design

**Landing site stratification:** For estimation purposes, the super strata (Emirate of Abu Dhabi) is divided into 2 strata namely: Eastern Abu Dhabi and Western Abu Dhabi. There are a total of 10 fish landing locations in the Emirate: Sila, Jebel Dhana, Delma Island, Mirfa, Al Bateen, Free Port Abu Dhabi, Khor Al Sheik, Al Sadr, Khor Al Aizab and Taweela (see Figure 1). Landing sites are further stratified into primary and secondary sites on the basis of the number of active fishing vessels. In the tables and figures presented here, data for Delma Is. and Jebel Dhanna are grouped as are Al Sadr, Taweela and Khor Al Sheikh.



**Figure 1** Landing sites and sampling strata in the Emirate of Abu Dhabi.

**Fishing vessel stratification:** There are two principal fishing vessel types in the Emirate of Abu Dhabi, the tarad and launch. The tarad is an open dory usually of fiberglass construction powered by an outboard motor/s, fishing trips may be conducted during the day time and at night depending on the gear type being used and target species. Due to the small size of the vessels, trip duration does not usually exceed 1 day. There are currently about 600 tarads licensed in Abu Dhabi.

The Launch is a decked vessel usually constructed of wood and powered by an in-board engine/s, the average trip length is between 3 and 5 days. There are currently about 400 Launch licensed in Abu Dhabi.

**Fishing gears:** Whilst there is a wide variety of fishing gear, the fish trap or gargoor is the most commonly used method. In this report, data are presented by boat type only. A brief description of fishing gears in use is given below.

- Fish Traps (Gargoor)* - Dome shaped wire traps, usually baited with dried sardines and/or bread and used to target demersal species.
- Pelagic Gill Nets (Leikh)* - Gill nets up to 200 m in length and 6m deep, set at the surface and used to target large pelagic species.
- Set Gillnets* - Small gillnets set in shallow water near the shore.
- Encircling Gill Nets* - Small gillnets set around schools of small pelagic species.
- Barrier Nets (Sakkar)* - Large nets set at high tide and used to shut off a portion of the sea bed, fish are trapped behind the net as the tide drops.
- Static Inter Tidal Traps (Al Hadhra)* - Fixed static traps set perpendicular to the coastline.
- Handlines (Hadaq)* - Mono-filament line with one or more baited hooks.
- Trolling Lines* - Mono-filament or braided line trolled behind a vessel with a lure attached to the end, used to target large pelagic species.

**Table 1. Species category composition for the Fish Landings and Population Dynamics Project.**

| <b>Category</b>              | <b>Species / Category composition</b>  |
|------------------------------|--|
| <b><i>A. bifasciatus</i></b> | <i>Acanthopagrus bifasciatus</i>   |
| <b><i>A. spinifer</i></b>    | <i>Argyrops spinifer</i>   |
| <b>Sphyraenidae</b>          | All Sphyraenidae species   |
| <b>Carangidae</b>            | Gnathanodon, Carangoides, Caranx, Elagatis, Seriola & Seriolina species  |
| <b>Clupeidae</b>             | Sardinella, Nematalosa & all other Clupeidae species   |
| <b>Gerridae</b>              | All Gerridae species   |
| <b>Haemulidae</b>            | Plectorhinchus, Diagramma, Pomadasys & all other Haemulidae species  |
| <b>Lethrinidae</b>           | All Lethrinidae species  |
| <b>Lutjanidae</b>            | All Lutjanidae species   |
| <b>Mixed</b>                 | Mixed basket (assorted species)  |
| <b>Mugilidae</b>             | Valamugil & all other Mugilidae species  |
| <b>Nemipteridae</b>          | Scolopsis, Nemipterus & all other Nemipteridae species   |
| <b>Other demersals</b>       | All other demersal species including: Balistidae, Ehippidae, Labridae, Mullidae, Tetraodontidae, Platycephalidae, Pomacanthidae, Psettodidae, Soleidae, Stromateidae, Synodontidae, Teraponidae & Ariidae. |
| <b>Other pelagics</b>        | All other pelagic species including: Belonidae, Chanidae, Coryphaenidae, Scombridae, Xiphiidae & Rachycentridae  |
| <b>Others</b>                | Non fish species including: crustaceans, molluscs, cephalopods etc.  |
| <b>Scomberoides</b>          | All Parastromateus, Trachinotus & Scomberoides species   |
| <b>Shark &amp; Ray</b>       | All shark & ray species including: Carcharhinidae, Sphyrnidae, Dasyatidae, Myliobatidae, Rhinobatidae & Pristidae  |
| <b>Scads</b>                 | All Alepes, Atule, Decapterus, Selaroides, Megalaspis species  |
| <b><i>S. commerson</i></b>   | <i>Scomberomorus commerson</i>   |
| <b>Scaridae</b>              | All Scaridae species   |
| <b>Serranidae</b>            | All Serranidae species including: Epinephelus and Cephalopholis  |
| <b>Siganidae</b>             | All Siganidae species  |
| <b>Other Sparidae</b>        | Other Sparidae (ex. <i>A. bifasciatus</i> and <i>A. spinifer</i> )   |

**Species classification:** Over 100 species from more than 35 families are caught by the gears operated in the different fisheries of the Emirate of Abu Dhabi. Catch records and samples are classified by species for key stock assessment species where possible, otherwise family categories or guilds are used. The clustering of species is necessary especially where local generic names may refer to more than 1 species. A brief description of the composition of individual categories is given in Table 1., whilst Annex 1 gives a detailed list of species commonly caught and their respective categories.

**Data sources:** Catch data was obtained from receipts issued by the Abu Dhabi Fishermen's Cooperative Society during 2003 for the purchase of entire landed catches. A minimum sample target size for complete catch records was 30 per boat type each month from each landing site where purchases were made. Fishing effort data was derived from the vessel activity records kept by the UAE Coastguard during 2003. Target samples sizes for effort records were a minimum of 15 days per landing site per month. Fish price per category, was obtained from the Abu Dhabi Fishermen's Cooperative Society receipts for 2003.

**Explanation of tables and figures:** Total catch for each boat type is estimated by species category, site and sampling strata on a monthly basis for 2003. Total monthly and mean daily effort are estimated by site and sampling strata. The data analyses involve a standard raising procedure described in another technical report (Grandcourt, 2002).

Catch, effort and species composition data are presented by strata, boat type and site. Catch value and abundance indices (catch per unit effort) are presented by strata and boat type. Tables and figures are self explanatory though it should be noted that any discrepancy between totals and the sum of components is due to rounding. Any reference to Delma Island alone includes Jebel Dhana and reference to Al Sadar includes Taweela and Khor Al Sheikh. All data on the value of landings relates to whole sale ex-vessel value as opposed to retail value.

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Grandcourt, E. 2002. The catch and effort data recording system for the fisheries of Abu Dhabi: Survey design and implementation. Marine Environmental Research Center. ERWDA. Abu Dhabi (*unpub*). 26 p.

**Table 1 (a) Total catch (tonnes) and species composition for the Emirate of Abu Dhabi.**

|                        | JAN        | FEB        | MAR        | APR        | MAY        | JUN        | JUL        | AUG        | SEP        | OCT        | NOV        | DEC        | Tot. (mt)   | Tot. (%)   |
|------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|------------|
| <i>A. bifasciatus</i>  | 13.1       | 17.8       | 8.9        | 1.4        | 0.8        | 3.1        | 5.8        | 5.5        | 6.4        | 1.2        | 2.4        | 8.5        | 75          | 0.8        |
| <i>A. Spinifer</i>     | 24.5       | 27.9       | 41.5       | 29.4       | 6.8        | 3.6        | 8.4        | 6.1        | 16.5       | 3.7        | 5.6        | 24.9       | 199         | 2.2        |
| <b>Sphyraenidae</b>    | 4.1        | 5.5        | 2.9        | 9.1        | 8.0        | 2.7        | 3.0        | 0.4        | 1.1        | 3.3        | 2.5        | 4.1        | 46          | 0.5        |
| <b>Carangidae</b>      | 48.9       | 51.7       | 29.1       | 82.1       | 93.8       | 145.4      | 199.8      | 199.1      | 153.0      | 108.7      | 116.5      | 73.3       | 1301        | 14.4       |
| <b>Clupeidae</b>       | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0           | 0.0        |
| <b>Gerridae</b>        | 6.6        | 5.4        | 3.2        | 0.0        | 2.6        | 4.4        | 8.0        | 10.3       | 9.4        | 6.4        | 7.4        | 7.2        | 71          | 0.8        |
| <b>Haemulidae</b>      | 69.4       | 58.0       | 53.2       | 79.9       | 54.6       | 38.6       | 67.8       | 90.3       | 72.2       | 47.0       | 51.3       | 36.5       | 719         | 8.0        |
| <b>Lethrinidae</b>     | 224.6      | 155.8      | 216.8      | 246.6      | 298.0      | 367.5      | 267.2      | 354.4      | 198.9      | 207.5      | 170.0      | 203.8      | 2911        | 32.2       |
| <b>Lutjanidae</b>      | 4.4        | 0.8        | 25.2       | 13.3       | 7.3        | 5.6        | 13.9       | 15.7       | 21.8       | 6.9        | 5.6        | 0.6        | 121         | 1.3        |
| <b>Mixed</b>           | 19.1       | 24.4       | 27.4       | 7.8        | 9.7        | 5.1        | 4.3        | 3.4        | 0.1        | 2.6        | 7.8        | 11.5       | 123         | 1.4        |
| <b>Mugilidae</b>       | 0.2        | 0.0        | 0.1        | 0.3        | 0.9        | 3.5        | 1.1        | 0.7        | 1.2        | 7.5        | 26.3       | 0.0        | 42          | 0.5        |
| <b>Nemipteridae</b>    | 0.4        | 5.7        | 3.2        | 0.6        | 0.0        | 0.0        | 1.1        | 2.5        | 0.8        | 0.8        | 0.8        | 1.0        | 17          | 0.2        |
| <b>Other demersals</b> | 0.6        | 5.4        | 6.1        | 13.6       | 11.0       | 1.1        | 2.8        | 13.6       | 4.1        | 5.6        | 13.5       | 10.7       | 88          | 1.0        |
| <b>Other pelagics</b>  | 9.3        | 22.1       | 9.8        | 13.2       | 11.0       | 16.6       | 18.7       | 10.6       | 5.7        | 12.6       | 15.7       | 9.5        | 155         | 1.7        |
| <b>Others</b>          | 0.7        | 2.0        | 1.2        | 0.0        | 1.9        | 4.3        | 2.9        | 0.6        | 0.8        | 10.1       | 12.4       | 7.0        | 44          | 0.5        |
| <b>Scomberoides</b>    | 0.3        | 0.5        | 1.8        | 8.8        | 7.6        | 15.8       | 2.7        | 6.5        | 6.5        | 1.6        | 1.9        | 3.9        | 58          | 0.6        |
| <b>Shark and Ray</b>   | 10.0       | 27.7       | 17.8       | 52.8       | 7.6        | 28.3       | 3.5        | 0.4        | 0.3        | 0.4        | 5.2        | 33.8       | 188         | 2.1        |
| <b>Scads</b>           | 1.0        | 5.1        | 3.1        | 23.0       | 82.4       | 46.5       | 10.6       | 5.2        | 21.2       | 10.6       | 17.8       | 6.7        | 233         | 2.6        |
| <i>S. commerson</i>    | 208.4      | 84.0       | 51.2       | 37.2       | 39.2       | 43.9       | 22.1       | 0.3        | 10.0       | 23.0       | 44.8       | 320.5      | 885         | 9.8        |
| <b>Scaridae</b>        | 4.5        | 3.5        | 0.4        | 3.6        | 0.4        | 5.3        | 7.2        | 3.6        | 6.3        | 2.9        | 5.7        | 8.0        | 51          | 0.6        |
| <b>Serranidae</b>      | 152.1      | 170.1      | 257.1      | 161.8      | 108.4      | 101.4      | 112.3      | 122.2      | 104.8      | 79.4       | 125.6      | 105.0      | 1600        | 17.7       |
| <b>Siganidae</b>       | 10.2       | 1.6        | 1.8        | 3.1        | 1.1        | 5.6        | 2.2        | 3.1        | 5.6        | 2.2        | 4.2        | 4.6        | 45          | 0.5        |
| <b>Other Sparidae</b>  | 6.1        | 10.2       | 8.8        | 3.0        | 2.0        | 9.4        | 3.4        | 9.8        | 2.6        | 1.7        | 5.9        | 6.2        | 69          | 0.8        |
| <b>Total (mt)</b>      | <b>818</b> | <b>685</b> | <b>771</b> | <b>790</b> | <b>755</b> | <b>858</b> | <b>769</b> | <b>864</b> | <b>649</b> | <b>546</b> | <b>649</b> | <b>887</b> | <b>9042</b> | <b>100</b> |
| <b>Total (%)</b>       | <b>9.0</b> | <b>7.6</b> | <b>8.5</b> | <b>8.7</b> | <b>8.4</b> | <b>9.5</b> | <b>8.5</b> | <b>9.6</b> | <b>7.2</b> | <b>6.0</b> | <b>7.2</b> | <b>9.8</b> | <b>100</b>  |            |

**Table 1 (b) Total catch (tonnes) and species composition for Eastern Abu Dhabi.**

|                       | JAN        | FEB        | MAR        | APR        | MAY        | JUN         | JUL        | AUG         | SEP        | OCT        | NOV        | DEC        | Tot. (mt)   | Tot. (%)   |
|-----------------------|------------|------------|------------|------------|------------|-------------|------------|-------------|------------|------------|------------|------------|-------------|------------|
| <i>A. bifasciatus</i> | 11.6       | 2.9        | 7.1        | 0.1        | 0.0        | 3.0         | 5.5        | 5.1         | 6.3        | 1.2        | 2.3        | 8.2        | 53          | 0.8        |
| <i>A. Spinifer</i>    | 24.5       | 27.4       | 41.2       | 29.3       | 6.2        | 3.6         | 8.4        | 6.1         | 12.7       | 3.7        | 5.6        | 24.8       | 193         | 2.7        |
| Sphyraenidae          | 1.1        | 4.7        | 1.7        | 2.3        | 7.7        | 2.6         | 2.5        | 0.1         | 1.1        | 2.0        | 2.3        | 3.0        | 31          | 0.4        |
| Carangidae            | 41.1       | 43.7       | 22.2       | 74.0       | 73.8       | 125.2       | 173.8      | 179.8       | 140.2      | 105.2      | 110.3      | 72.9       | 1162        | 16.5       |
| Clupeidae             | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0         | 0.0        | 0.0         | 0.0        | 0.0        | 0.0        | 0.0        | 0           | 0.0        |
| Gerridae              | 6.6        | 5.4        | 3.2        | 0.0        | 2.5        | 4.4         | 8.0        | 10.3        | 9.4        | 6.4        | 7.4        | 7.1        | 71          | 1.0        |
| Haemulidae            | 35.6       | 27.3       | 28.7       | 22.0       | 14.7       | 28.4        | 25.5       | 49.5        | 43.2       | 27.3       | 26.2       | 22.3       | 351         | 5.0        |
| Lethrinidae           | 138.4      | 129.8      | 195.8      | 216.9      | 249.2      | 317.2       | 231.1      | 334.8       | 196.1      | 140.5      | 142.7      | 173.1      | 2466        | 35.0       |
| Lutjanidae            | 4.4        | 0.8        | 0.2        | 13.3       | 7.3        | 5.6         | 13.8       | 15.7        | 21.8       | 6.9        | 5.6        | 0.6        | 96          | 1.4        |
| Mixed                 | 18.8       | 23.5       | 27.2       | 5.7        | 8.4        | 4.4         | 4.2        | 3.3         | 0.1        | 2.6        | 7.6        | 11.5       | 117         | 1.7        |
| Mugilidae             | 0.2        | 0.0        | 0.1        | 0.3        | 0.9        | 3.5         | 1.1        | 0.7         | 1.2        | 7.5        | 26.3       | 0.0        | 42          | 0.6        |
| Nemipteridae          | 0.4        | 5.7        | 3.2        | 0.6        | 0.0        | 0.0         | 1.1        | 2.5         | 0.8        | 0.8        | 0.8        | 1.0        | 17          | 0.2        |
| Other demersals       | 0.6        | 5.0        | 4.0        | 11.4       | 9.5        | 1.1         | 2.8        | 13.5        | 4.1        | 5.6        | 13.5       | 10.7       | 82          | 1.2        |
| Other pelagics        | 8.3        | 21.5       | 8.6        | 12.1       | 10.2       | 16.5        | 18.7       | 10.5        | 5.7        | 12.6       | 15.6       | 9.3        | 150         | 2.1        |
| Others                | 0.7        | 1.9        | 0.9        | 0.0        | 1.9        | 4.3         | 2.9        | 0.6         | 0.8        | 10.1       | 12.4       | 7.0        | 43          | 0.6        |
| Scomberoides          | 0.3        | 0.5        | 1.8        | 1.3        | 6.1        | 15.8        | 2.7        | 6.5         | 6.5        | 1.6        | 1.9        | 3.7        | 49          | 0.7        |
| Shark and Ray         | 8.0        | 25.0       | 16.7       | 46.0       | 7.1        | 2.4         | 3.5        | 0.4         | 0.3        | 0.4        | 5.2        | 33.8       | 149         | 2.1        |
| Scads                 | 0.9        | 5.0        | 3.1        | 21.1       | 77.5       | 41.3        | 7.7        | 5.1         | 21.2       | 10.6       | 17.7       | 6.7        | 218         | 3.1        |
| <i>S. commerson</i>   | 24.0       | 24.1       | 23.8       | 19.4       | 38.6       | 43.9        | 21.5       | 0.3         | 10.0       | 20.4       | 32.3       | 82.0       | 340         | 4.8        |
| Scaridae              | 4.4        | 3.5        | 0.4        | 3.6        | 0.4        | 5.3         | 7.2        | 3.4         | 6.3        | 2.9        | 5.7        | 8.0        | 51          | 0.7        |
| Serranidae            | 100.8      | 139.1      | 236.8      | 134.0      | 75.8       | 72.6        | 73.8       | 77.9        | 83.1       | 58.7       | 100.9      | 93.6       | 1247        | 17.7       |
| Siganidae             | 10.2       | 1.6        | 1.8        | 3.1        | 1.1        | 5.6         | 2.2        | 3.1         | 5.6        | 2.2        | 4.2        | 4.4        | 45          | 0.6        |
| Other Sparidae        | 6.0        | 9.5        | 8.5        | 2.9        | 1.9        | 4.2         | 3.3        | 9.8         | 2.2        | 1.7        | 5.9        | 6.0        | 62          | 0.9        |
| <b>Total (mt)</b>     | <b>447</b> | <b>508</b> | <b>637</b> | <b>619</b> | <b>601</b> | <b>711</b>  | <b>621</b> | <b>739</b>  | <b>579</b> | <b>431</b> | <b>552</b> | <b>590</b> | <b>7035</b> | <b>100</b> |
| <b>Total (%)</b>      | <b>6.3</b> | <b>7.2</b> | <b>9.1</b> | <b>8.8</b> | <b>8.5</b> | <b>10.1</b> | <b>8.8</b> | <b>10.5</b> | <b>8.2</b> | <b>6.1</b> | <b>7.9</b> | <b>8.4</b> | <b>100</b>  |            |

**Table 1 (c) Total catch (tonnes) and species composition for Western Abu Dhabi.**

|                       | JAN         | FEB        | MAR        | APR        | MAY        | JUN        | JUL        | AUG        | SEP        | OCT        | NOV        | DEC         | Tot. (mt)   | Tot. (%)   |
|-----------------------|-------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|-------------|------------|
| <i>A. bifasciatus</i> | 1.5         | 15.0       | 1.8        | 1.2        | 0.8        | 0.1        | 0.4        | 0.4        | 0.1        | 0.0        | 0.0        | 0.3         | 22          | 1.1        |
| <i>A. Spinifer</i>    | 0.0         | 0.5        | 0.2        | 0.1        | 0.7        | 0.0        | 0.0        | 0.0        | 3.8        | 0.0        | 0.0        | 0.0         | 5           | 0.3        |
| Sphyraenidae          | 3.0         | 0.8        | 1.2        | 6.7        | 0.3        | 0.1        | 0.4        | 0.2        | 0.0        | 1.3        | 0.2        | 1.1         | 15          | 0.8        |
| Carangidae            | 7.8         | 8.0        | 6.9        | 8.1        | 20.0       | 20.2       | 26.0       | 19.2       | 12.9       | 3.5        | 6.2        | 0.3         | 139         | 6.9        |
| Clupeidae             | 0.0         | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0         | 0           | 0.0        |
| Gerridae              | 0.0         | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0         | 0           | 0.0        |
| Haemulidae            | 33.8        | 30.7       | 24.5       | 57.9       | 40.0       | 10.2       | 42.3       | 40.8       | 29.0       | 19.7       | 25.1       | 14.2        | 368         | 18.4       |
| Lethrinidae           | 86.2        | 26.0       | 21.0       | 29.7       | 48.8       | 50.3       | 36.1       | 19.6       | 2.8        | 67.0       | 27.3       | 30.6        | 445         | 22.2       |
| Lutjanidae            | 0.0         | 0.0        | 25.0       | 0.0        | 0.0        | 0.0        | 0.1        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0         | 25          | 1.3        |
| Mixed                 | 0.3         | 0.9        | 0.2        | 2.1        | 1.3        | 0.7        | 0.1        | 0.1        | 0.0        | 0.0        | 0.2        | 0.0         | 6           | 0.3        |
| Mugilidae             | 0.0         | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0         | 0           | 0.0        |
| Nemipteridae          | 0.0         | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0         | 0           | 0.0        |
| Other demersals       | 0.0         | 0.5        | 2.1        | 2.2        | 1.5        | 0.0        | 0.0        | 0.1        | 0.0        | 0.0        | 0.0        | 0.0         | 6           | 0.3        |
| Other pelagics        | 1.0         | 0.6        | 1.2        | 1.1        | 0.8        | 0.1        | 0.0        | 0.1        | 0.0        | 0.0        | 0.1        | 0.2         | 5           | 0.3        |
| Others                | 0.0         | 0.1        | 0.3        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0         | 0           | 0.0        |
| Scomberoides          | 0.0         | 0.0        | 0.0        | 7.5        | 1.5        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.2         | 9           | 0.5        |
| Shark and Ray         | 2.1         | 2.7        | 1.1        | 6.8        | 0.6        | 25.9       | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0         | 39          | 1.9        |
| Scads                 | 0.2         | 0.0        | 0.0        | 1.9        | 4.9        | 5.2        | 2.9        | 0.1        | 0.0        | 0.0        | 0.0        | 0.0         | 15          | 0.8        |
| <i>S. commerson</i>   | 184.4       | 59.8       | 27.5       | 17.7       | 0.6        | 0.0        | 0.6        | 0.0        | 0.0        | 2.6        | 12.5       | 238.5       | 544         | 27.1       |
| Scaridae              | 0.1         | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.1        | 0.0        | 0.0        | 0.0        | 0.0         | 0           | 0.0        |
| Serranidae            | 51.2        | 31.0       | 20.3       | 27.8       | 32.6       | 28.8       | 38.5       | 44.3       | 21.7       | 20.7       | 24.6       | 11.4        | 353         | 17.6       |
| Siganidae             | 0.0         | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.2         | 0           | 0.0        |
| Other Sparidae        | 0.1         | 0.7        | 0.3        | 0.1        | 0.1        | 5.1        | 0.1        | 0.0        | 0.4        | 0.0        | 0.1        | 0.1         | 7           | 0.4        |
| <b>Total (mt)</b>     | <b>372</b>  | <b>177</b> | <b>134</b> | <b>171</b> | <b>154</b> | <b>147</b> | <b>147</b> | <b>125</b> | <b>71</b>  | <b>115</b> | <b>96</b>  | <b>297</b>  | <b>2006</b> | <b>100</b> |
| <b>Total (%)</b>      | <b>18.5</b> | <b>8.8</b> | <b>6.7</b> | <b>8.5</b> | <b>7.7</b> | <b>7.3</b> | <b>7.4</b> | <b>6.2</b> | <b>3.5</b> | <b>5.7</b> | <b>4.8</b> | <b>14.8</b> | <b>100</b>  |            |

**Table 2 (a) Total catch (tonnes) by landing site in the Emirate of Abu Dhabi.**

|                        | Free Port     | Bateen       | Khor Al Azab | Sadar        | Delma & Jebel<br>Dhana | Sila         | Mirfa        | Total (mt)    | Total (%)   |
|------------------------|---------------|--------------|--------------|--------------|------------------------|--------------|--------------|---------------|-------------|
| <i>A. bifasciatus</i>  | 44.8          | 2.1          | 0.6          | 5.9          | 8.6                    | 7.1          | 5.9          | <b>75.1</b>   | <b>0.8</b>  |
| <i>A. Spinifer</i>     | 178.1         | 0.1          | 0.0          | 15.2         | 3.9                    | 0.8          | 0.6          | <b>198.8</b>  | <b>2.2</b>  |
| <b>Sphyraenidae</b>    | 12.1          | 9.3          | 3.1          | 6.6          | 3.9                    | 4.2          | 7.3          | <b>46.5</b>   | <b>0.5</b>  |
| <b>Carangidae</b>      | 856.8         | 100.3        | 30.1         | 175.1        | 75.1                   | 24.8         | 39.2         | <b>1301.5</b> | <b>14.4</b> |
| <b>Clupeidae</b>       | 0.0           | 0.0          | 0.0          | 0.0          | 0.0                    | 0.0          | 0.0          | <b>0.0</b>    | <b>0.0</b>  |
| <b>Gerridae</b>        | 22.3          | 23.4         | 7.5          | 17.4         | 0.1                    | 0.0          | 0.0          | <b>70.7</b>   | <b>0.8</b>  |
| <b>Haemulidae</b>      | 304.7         | 6.2          | 1.5          | 38.1         | 271.0                  | 46.2         | 51.2         | <b>719.0</b>  | <b>8.0</b>  |
| <b>Lethrinidae</b>     | 2081.7        | 74.6         | 23.6         | 285.8        | 362.3                  | 34.9         | 48.1         | <b>2911.0</b> | <b>32.2</b> |
| <b>Lutjanidae</b>      | 54.9          | 18.9         | 5.2          | 17.0         | 0.0                    | 11.9         | 13.1         | <b>121.1</b>  | <b>1.3</b>  |
| <b>Mixed</b>           | 103.9         | 2.8          | 0.9          | 9.6          | 4.6                    | 0.3          | 0.9          | <b>123.1</b>  | <b>1.4</b>  |
| <b>Mugilidae</b>       | 28.1          | 4.8          | 1.9          | 6.9          | 0.0                    | 0.0          | 0.0          | <b>41.7</b>   | <b>0.5</b>  |
| <b>Nemipteridae</b>    | 15.6          | 0.0          | 0.0          | 1.3          | 0.0                    | 0.0          | 0.0          | <b>17.0</b>   | <b>0.2</b>  |
| <b>Other demersals</b> | 65.4          | 4.7          | 1.4          | 10.2         | 0.9                    | 2.1          | 3.4          | <b>88.0</b>   | <b>1.0</b>  |
| <b>Other pelagics</b>  | 95.4          | 23.2         | 7.7          | 23.6         | 3.0                    | 1.1          | 1.1          | <b>155.1</b>  | <b>1.7</b>  |
| <b>Others</b>          | 29.5          | 4.2          | 2.0          | 7.7          | 0.1                    | 0.2          | 0.2          | <b>43.9</b>   | <b>0.5</b>  |
| <b>Scomberoides</b>    | 29.4          | 7.7          | 2.6          | 9.1          | 2.0                    | 2.4          | 4.7          | <b>57.9</b>   | <b>0.6</b>  |
| <b>Shark and Ray</b>   | 111.6         | 14.3         | 5.0          | 17.9         | 27.0                   | 5.3          | 6.8          | <b>187.9</b>  | <b>2.1</b>  |
| <b>Scads</b>           | 182.9         | 6.7          | 1.9          | 26.3         | 14.8                   | 0.1          | 0.3          | <b>233.1</b>  | <b>2.6</b>  |
| <i>S. commerson</i>    | 115.5         | 110.7        | 36.2         | 77.9         | 294.9                  | 124.1        | 125.4        | <b>884.6</b>  | <b>9.8</b>  |
| <b>Scaridae</b>        | 42.6          | 1.5          | 0.5          | 6.6          | 0.3                    | 0.0          | 0.0          | <b>51.3</b>   | <b>0.6</b>  |
| <b>Serranidae</b>      | 1114.1        | 14.3         | 4.2          | 114.6        | 212.3                  | 61.8         | 78.9         | <b>1600.1</b> | <b>17.7</b> |
| <b>Siganidae</b>       | 21.4          | 11.8         | 3.4          | 8.5          | 0.2                    | 0.0          | 0.0          | <b>45.3</b>   | <b>0.5</b>  |
| <b>Other Sparidae</b>  | 36.4          | 10.8         | 3.8          | 11.0         | 7.1                    | 0.0          | 0.0          | <b>69.1</b>   | <b>0.8</b>  |
| <b>Total (mt)</b>      | <b>5547.5</b> | <b>452.5</b> | <b>143.0</b> | <b>892.4</b> | <b>1292.1</b>          | <b>327.3</b> | <b>387.1</b> | <b>9041.7</b> |             |
| <b>Total (%)</b>       | <b>61.4</b>   | <b>5.0</b>   | <b>1.6</b>   | <b>9.9</b>   | <b>14.3</b>            | <b>3.6</b>   | <b>4.3</b>   |               |             |

**Table 2 (b) Total catch (tonnes) by landing site in Eastern Abu Dhabi.**

|                              | <b>Free Port</b> | <b>Bateen</b> | <b>Khor Al Azab</b> | <b>Sadar</b> | <b>Total (mt)</b> | <b>Total (%)</b> |
|------------------------------|------------------|---------------|---------------------|--------------|-------------------|------------------|
| <b><i>A. bifasciatus</i></b> | 44.8             | 2.1           | 0.6                 | 5.9          | <b>53.4</b>       | <b>0.8</b>       |
| <b><i>A. Spinifer</i></b>    | 178.1            | 0.1           | 0.0                 | 15.2         | <b>193.4</b>      | <b>2.7</b>       |
| <b>Sphyraenidae</b>          | 12.1             | 9.3           | 3.1                 | 6.6          | <b>31.1</b>       | <b>0.4</b>       |
| <b>Carangidae</b>            | 856.8            | 100.3         | 30.1                | 175.1        | <b>1162.4</b>     | <b>16.5</b>      |
| <b>Clupeidae</b>             | 0.0              | 0.0           | 0.0                 | 0.0          | <b>0.0</b>        | <b>0.0</b>       |
| <b>Gerridae</b>              | 22.3             | 23.4          | 7.5                 | 17.4         | <b>70.7</b>       | <b>1.0</b>       |
| <b>Haemulidae</b>            | 304.7            | 6.2           | 1.5                 | 38.1         | <b>350.6</b>      | <b>5.0</b>       |
| <b>Lethrinidae</b>           | 2081.7           | 74.6          | 23.6                | 285.8        | <b>2465.8</b>     | <b>35.0</b>      |
| <b>Lutjanidae</b>            | 54.9             | 18.9          | 5.2                 | 17.0         | <b>96.0</b>       | <b>1.4</b>       |
| <b>Mixed</b>                 | 103.9            | 2.8           | 0.9                 | 9.6          | <b>117.3</b>      | <b>1.7</b>       |
| <b>Mugilidae</b>             | 28.1             | 4.8           | 1.9                 | 6.9          | <b>41.7</b>       | <b>0.6</b>       |
| <b>Nemipteridae</b>          | 15.6             | 0.0           | 0.0                 | 1.3          | <b>16.9</b>       | <b>0.2</b>       |
| <b>Other demersals</b>       | 65.4             | 4.7           | 1.4                 | 10.2         | <b>81.7</b>       | <b>1.2</b>       |
| <b>Other pelagics</b>        | 95.4             | 23.2          | 7.7                 | 23.6         | <b>149.9</b>      | <b>2.1</b>       |
| <b>Others</b>                | 29.5             | 4.2           | 2.0                 | 7.7          | <b>43.4</b>       | <b>0.6</b>       |
| <b>Scomberoides</b>          | 29.4             | 7.7           | 2.6                 | 9.1          | <b>48.8</b>       | <b>0.7</b>       |
| <b>Shark and Ray</b>         | 111.6            | 14.3          | 5.0                 | 17.9         | <b>148.9</b>      | <b>2.1</b>       |
| <b>Scads</b>                 | 182.9            | 6.7           | 1.9                 | 26.3         | <b>217.8</b>      | <b>3.1</b>       |
| <b><i>S. commerson</i></b>   | 115.5            | 110.7         | 36.2                | 77.9         | <b>340.2</b>      | <b>4.8</b>       |
| <b>Scaridae</b>              | 42.6             | 1.5           | 0.5                 | 6.6          | <b>51.1</b>       | <b>0.7</b>       |
| <b>Serranidae</b>            | 1114.1           | 14.3          | 4.2                 | 114.6        | <b>1247.2</b>     | <b>17.7</b>      |
| <b>Siganidae</b>             | 21.4             | 11.8          | 3.4                 | 8.5          | <b>45.2</b>       | <b>0.6</b>       |
| <b>Other Sparidae</b>        | 36.4             | 10.8          | 3.8                 | 11.0         | <b>62.0</b>       | <b>0.9</b>       |
| <b>Total (mt)</b>            | <b>5547.5</b>    | <b>452.5</b>  | <b>143.0</b>        | <b>892.4</b> | <b>7035.3</b>     |                  |
| <b>Total (%)</b>             | <b>78.9</b>      | <b>6.4</b>    | <b>2.0</b>          | <b>12.7</b>  |                   |                  |

**Table 2 (c) Total catch (tonnes) by landing site in Western Abu Dhabi.**

|                        | <b>Delma &amp; Jebel<br/>Dhana</b> | <b>Sila</b>  | <b>Mirfa</b> | <b>Total (mt)</b> | <b>Total<br/>(%)</b> |
|------------------------|------------------------------------|--------------|--------------|-------------------|----------------------|
| <i>A. bifasciatus</i>  | 8.6                                | 7.1          | 5.9          | <b>21.6</b>       | <b>1.1</b>           |
| <i>A. Spinifer</i>     | 3.9                                | 0.8          | 0.6          | <b>5.3</b>        | <b>0.3</b>           |
| <b>Sphyraenidae</b>    | 3.9                                | 4.2          | 7.3          | <b>15.4</b>       | <b>0.8</b>           |
| <b>Carangidae</b>      | 75.1                               | 24.8         | 39.2         | <b>139.1</b>      | <b>6.9</b>           |
| <b>Clupeidae</b>       | 0.0                                | 0.0          | 0.0          | <b>0.0</b>        | <b>0.0</b>           |
| <b>Gerridae</b>        | 0.1                                | 0.0          | 0.0          | <b>0.1</b>        | <b>0.0</b>           |
| <b>Haemulidae</b>      | 271.0                              | 46.2         | 51.2         | <b>368.4</b>      | <b>18.4</b>          |
| <b>Lethrinidae</b>     | 362.3                              | 34.9         | 48.1         | <b>445.2</b>      | <b>22.2</b>          |
| <b>Lutjanidae</b>      | 0.0                                | 11.9         | 13.1         | <b>25.1</b>       | <b>1.3</b>           |
| <b>Mixed</b>           | 4.6                                | 0.3          | 0.9          | <b>5.8</b>        | <b>0.3</b>           |
| <b>Mugilidae</b>       | 0.0                                | 0.0          | 0.0          | <b>0.0</b>        | <b>0.0</b>           |
| <b>Nemipteridae</b>    | 0.0                                | 0.0          | 0.0          | <b>0.0</b>        | <b>0.0</b>           |
| <b>Other demersals</b> | 0.9                                | 2.1          | 3.4          | <b>6.4</b>        | <b>0.3</b>           |
| <b>Other pelagics</b>  | 3.0                                | 1.1          | 1.1          | <b>5.2</b>        | <b>0.3</b>           |
| <b>Others</b>          | 0.1                                | 0.2          | 0.2          | <b>0.5</b>        | <b>0.0</b>           |
| <b>Scomberoides</b>    | 2.0                                | 2.4          | 4.7          | <b>9.2</b>        | <b>0.5</b>           |
| <b>Shark and Ray</b>   | 27.0                               | 5.3          | 6.8          | <b>39.1</b>       | <b>1.9</b>           |
| <b>Scads</b>           | 14.8                               | 0.1          | 0.3          | <b>15.3</b>       | <b>0.8</b>           |
| <i>S. commerson</i>    | 294.9                              | 124.1        | 125.4        | <b>544.4</b>      | <b>27.1</b>          |
| <b>Scaridae</b>        | 0.3                                | 0.0          | 0.0          | <b>0.3</b>        | <b>0.0</b>           |
| <b>Serranidae</b>      | 212.3                              | 61.8         | 78.9         | <b>352.9</b>      | <b>17.6</b>          |
| <b>Siganidae</b>       | 0.2                                | 0.0          | 0.0          | <b>0.2</b>        | <b>0.0</b>           |
| <b>Other Sparidae</b>  | 7.1                                | 0.0          | 0.0          | <b>7.1</b>        | <b>0.4</b>           |
| <b>Total (mt)</b>      | <b>1292.1</b>                      | <b>327.3</b> | <b>387.1</b> | <b>2006.5</b>     |                      |
| <b>Total (%)</b>       | <b>64.4</b>                        | <b>16.3</b>  | <b>19.3</b>  |                   |                      |

**Table 3 (a) Total catch (tonnes) by month for launch in the Emirate of Abu Dhabi.**

|                       | JAN          | FEB          | MAR          | APR          | MAY          | JUN          | JUL          | AUG          | SEP          | OCT          | NOV          | DEC          | Tot. (mt)     | Tot. (%)     |
|-----------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|--------------|
| <i>A. bifasciatus</i> | 11.5         | 5.0          | 8.0          | 1.1          | 0.7          | 2.9          | 5.5          | 4.6          | 5.1          | 1.2          | 1.9          | 8.0          | 55.6          | 0.8          |
| <i>A. Spinifer</i>    | 24.5         | 27.8         | 41.5         | 29.2         | 6.1          | 3.6          | 8.4          | 6.1          | 16.5         | 3.7          | 5.6          | 24.8         | 197.8         | 3.0          |
| Sphyraenidae          | 1.0          | 3.7          | 0.0          | 1.4          | 0.6          | 0.1          | 0.0          | 0.2          | 0.0          | 1.3          | 0.1          | 0.2          | 8.7           | 0.1          |
| Carangidae            | 21.7         | 35.4         | 18.0         | 68.9         | 67.1         | 124.0        | 134.9        | 129.8        | 118.4        | 81.1         | 87.8         | 67.7         | 954.8         | 14.3         |
| Clupeidae             | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0           | 0.0          |
| Gerridae              | 0.0          | 0.0          | 0.1          | 0.0          | 0.0          | 0.0          | 0.0          | 1.2          | 0.0          | 0.0          | 0.0          | 0.0          | 1.4           | 0.0          |
| Haemulidae            | 56.3         | 55.2         | 50.0         | 58.6         | 34.4         | 32.5         | 49.6         | 71.4         | 59.5         | 40.0         | 42.0         | 28.1         | 577.5         | 8.6          |
| Lethrinidae           | 147.1        | 136.8        | 192.0        | 234.9        | 278.2        | 303.5        | 222.9        | 320.5        | 172.9        | 130.6        | 137.9        | 157.8        | 2435.2        | 36.4         |
| Lutjanidae            | 4.4          | 0.8          | 0.2          | 2.7          | 1.1          | 2.1          | 4.8          | 10.4         | 10.2         | 6.8          | 5.4          | 0.6          | 49.5          | 0.7          |
| Mixed                 | 18.6         | 24.2         | 26.9         | 5.1          | 9.2          | 4.7          | 4.1          | 3.1          | 0.0          | 1.7          | 6.5          | 9.5          | 113.5         | 1.7          |
| Mugilidae             | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 26.1         | 0.0          | 26.1          | 0.4          |
| Nemipteridae          | 0.4          | 5.7          | 3.2          | 0.6          | 0.0          | 0.0          | 1.1          | 2.5          | 0.8          | 0.8          | 0.8          | 1.0          | 17.0          | 0.3          |
| Other demersals       | 0.0          | 3.0          | 3.0          | 10.0         | 7.3          | 0.9          | 2.3          | 13.6         | 3.9          | 4.1          | 12.3         | 9.2          | 69.5          | 1.0          |
| Other pelagics        | 7.9          | 20.5         | 1.6          | 12.0         | 7.7          | 5.4          | 6.8          | 2.2          | 2.1          | 0.2          | 14.4         | 5.3          | 86.0          | 1.3          |
| Others                | 0.6          | 1.3          | 0.9          | 0.0          | 1.5          | 3.8          | 1.8          | 0.6          | 0.6          | 0.4          | 10.6         | 4.3          | 26.4          | 0.4          |
| Scomberoides          | 0.0          | 0.0          | 0.0          | 0.5          | 3.5          | 13.8         | 1.3          | 3.6          | 3.6          | 0.4          | 0.0          | 0.9          | 27.6          | 0.4          |
| Shark and Ray         | 8.0          | 21.5         | 12.7         | 42.0         | 6.5          | 22.0         | 3.5          | 0.0          | 0.0          | 0.0          | 0.0          | 12.3         | 128.5         | 1.9          |
| Scads                 | 0.8          | 2.2          | 0.0          | 19.6         | 77.2         | 45.6         | 10.3         | 5.0          | 19.9         | 8.8          | 17.4         | 6.4          | 213.1         | 3.2          |
| <i>S. commerson</i>   | 88.6         | 5.0          | 2.4          | 4.0          | 1.4          | 0.0          | 0.2          | 0.0          | 0.0          | 4.7          | 7.5          | 96.9         | 210.6         | 3.1          |
| Scaridae              | 4.4          | 3.5          | 0.4          | 1.9          | 0.4          | 5.2          | 7.2          | 3.5          | 6.3          | 2.9          | 3.3          | 7.8          | 46.7          | 0.7          |
| Serranidae            | 123.6        | 162.6        | 252.2        | 150.4        | 84.5         | 86.0         | 89.7         | 92.0         | 88.1         | 64.1         | 104.2        | 96.5         | 1394.0        | 20.8         |
| Siganidae             | 1.0          | 0.0          | 1.3          | 1.4          | 0.5          | 2.1          | 1.4          | 2.7          | 1.2          | 1.1          | 0.4          | 0.8          | 13.9          | 0.2          |
| Other Sparidae        | 5.3          | 10.2         | 8.0          | 2.7          | 0.5          | 5.4          | 0.8          | 0.0          | 0.4          | 0.0          | 0.1          | 2.4          | 35.7          | 0.5          |
| <b>Total (mt)</b>     | <b>525.8</b> | <b>524.3</b> | <b>622.4</b> | <b>647.0</b> | <b>588.4</b> | <b>663.7</b> | <b>556.6</b> | <b>673.0</b> | <b>509.6</b> | <b>353.8</b> | <b>484.1</b> | <b>540.7</b> | <b>6689.4</b> | <b>100.0</b> |
| <b>Total (%)</b>      | <b>7.9</b>   | <b>7.8</b>   | <b>9.3</b>   | <b>9.7</b>   | <b>8.8</b>   | <b>9.9</b>   | <b>8.3</b>   | <b>10.1</b>  | <b>7.6</b>   | <b>5.3</b>   | <b>7.2</b>   | <b>8.1</b>   | <b>100.0</b>  |              |

**Table 3 (b) Total catch (tonnes) by month for launch in Eastern Abu Dhabi.**

|                        | JAN          | FEB          | MAR          | APR          | MAY          | JUN          | JUL          | AUG          | SEP          | OCT          | NOV          | DEC          | Tot. (mt)     | Tot. (%)     |
|------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|--------------|
| <i>A. bifasciatus</i>  | 10.0         | 2.9          | 7.1          | 0.0          | 0.0          | 2.8          | 5.1          | 4.2          | 5.1          | 1.2          | 1.9          | 7.7          | <b>47.9</b>   | <b>0.8</b>   |
| <i>A. Spinifer</i>     | 24.5         | 27.4         | 41.2         | 29.2         | 6.1          | 3.6          | 8.4          | 6.1          | 12.7         | 3.7          | 5.6          | 24.8         | <b>193.3</b>  | <b>3.4</b>   |
| <b>Sphyraenidae</b>    | 0.0          | 3.7          | 0.0          | 1.4          | 0.4          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | <b>5.5</b>    | <b>0.1</b>   |
| <b>Carangidae</b>      | 16.5         | 29.4         | 16.3         | 65.3         | 58.8         | 114.7        | 125.1        | 119.7        | 106.7        | 79.5         | 84.1         | 67.5         | <b>883.5</b>  | <b>15.3</b>  |
| <b>Clupeidae</b>       | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | <b>0.0</b>    | <b>0.0</b>   |
| <b>Gerridae</b>        | 0.0          | 0.0          | 0.1          | 0.0          | 0.0          | 0.0          | 0.0          | 1.2          | 0.0          | 0.0          | 0.0          | 0.0          | <b>1.4</b>    | <b>0.0</b>   |
| <b>Haemulidae</b>      | 28.5         | 26.9         | 28.6         | 21.6         | 14.4         | 28.3         | 24.6         | 48.6         | 39.0         | 27.2         | 26.0         | 21.9         | <b>335.5</b>  | <b>5.8</b>   |
| <b>Lethrinidae</b>     | 124.2        | 122.5        | 186.9        | 213.4        | 244.1        | 277.2        | 201.0        | 309.6        | 170.2        | 128.3        | 135.1        | 151.5        | <b>2264.0</b> | <b>39.3</b>  |
| <b>Lutjanidae</b>      | 4.4          | 0.8          | 0.2          | 2.7          | 1.1          | 2.1          | 4.8          | 10.4         | 10.2         | 6.8          | 5.4          | 0.6          | <b>49.5</b>   | <b>0.9</b>   |
| <b>Mixed</b>           | 18.3         | 23.3         | 26.7         | 4.1          | 7.9          | 4.0          | 4.0          | 3.0          | 0.0          | 1.7          | 6.3          | 9.5          | <b>108.9</b>  | <b>1.9</b>   |
| <b>Mugilidae</b>       | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 26.1         | 0.0          | <b>26.1</b>   | <b>0.5</b>   |
| <b>Nemipteridae</b>    | 0.4          | 5.7          | 3.2          | 0.6          | 0.0          | 0.0          | 1.1          | 2.5          | 0.8          | 0.8          | 0.8          | 1.0          | <b>16.9</b>   | <b>0.3</b>   |
| <b>Other demersals</b> | 0.0          | 3.0          | 2.9          | 9.9          | 6.7          | 0.9          | 2.3          | 13.4         | 3.9          | 4.1          | 12.3         | 9.2          | <b>68.5</b>   | <b>1.2</b>   |
| <b>Other pelagics</b>  | 7.4          | 20.3         | 1.5          | 11.4         | 7.4          | 5.3          | 6.8          | 2.1          | 2.1          | 0.2          | 14.4         | 5.3          | <b>84.3</b>   | <b>1.5</b>   |
| <b>Others</b>          | 0.6          | 1.3          | 0.7          | 0.0          | 1.5          | 3.8          | 1.8          | 0.6          | 0.6          | 0.4          | 10.6         | 4.3          | <b>26.3</b>   | <b>0.5</b>   |
| <b>Scomberoides</b>    | 0.0          | 0.0          | 0.0          | 0.0          | 2.7          | 13.8         | 1.3          | 3.6          | 3.6          | 0.4          | 0.0          | 0.9          | <b>26.4</b>   | <b>0.5</b>   |
| <b>Shark and Ray</b>   | 6.9          | 21.4         | 12.7         | 41.3         | 6.0          | 0.0          | 3.5          | 0.0          | 0.0          | 0.0          | 0.0          | 12.3         | <b>103.9</b>  | <b>1.8</b>   |
| <b>Scads</b>           | 0.8          | 2.2          | 0.0          | 17.9         | 73.0         | 41.2         | 7.4          | 4.9          | 19.9         | 8.8          | 17.3         | 6.4          | <b>199.7</b>  | <b>3.5</b>   |
| <i>S. commerson</i>    | 6.2          | 0.0          | 0.2          | 3.4          | 0.7          | 0.0          | 0.2          | 0.0          | 0.0          | 2.8          | 3.3          | 10.3         | <b>27.0</b>   | <b>0.5</b>   |
| <b>Scaridae</b>        | 4.3          | 3.5          | 0.4          | 1.9          | 0.4          | 5.2          | 7.2          | 3.4          | 6.3          | 2.9          | 3.3          | 7.8          | <b>46.4</b>   | <b>0.8</b>   |
| <b>Serranidae</b>      | 89.6         | 135.9        | 235.8        | 133.1        | 72.8         | 70.8         | 73.0         | 77.1         | 78.0         | 55.2         | 95.4         | 91.1         | <b>1207.7</b> | <b>20.9</b>  |
| <b>Siganidae</b>       | 1.0          | 0.0          | 1.3          | 1.4          | 0.5          | 2.1          | 1.4          | 2.7          | 1.2          | 1.1          | 0.4          | 0.7          | <b>13.7</b>   | <b>0.2</b>   |
| <b>Other Sparidae</b>  | 5.2          | 9.4          | 7.7          | 2.6          | 0.4          | 0.7          | 0.7          | 0.0          | 0.0          | 0.0          | 0.0          | 2.3          | <b>29.0</b>   | <b>0.5</b>   |
| <b>Total (mt)</b>      | <b>348.7</b> | <b>439.5</b> | <b>573.5</b> | <b>561.0</b> | <b>504.9</b> | <b>576.6</b> | <b>479.7</b> | <b>613.1</b> | <b>460.3</b> | <b>325.0</b> | <b>448.1</b> | <b>435.0</b> | <b>5765.3</b> | <b>100.0</b> |
| <b>Total (%)</b>       | <b>6.0</b>   | <b>7.6</b>   | <b>9.9</b>   | <b>9.7</b>   | <b>8.8</b>   | <b>10.0</b>  | <b>8.3</b>   | <b>10.6</b>  | <b>8.0</b>   | <b>5.6</b>   | <b>7.8</b>   | <b>7.5</b>   | <b>100.0</b>  |              |

**Table 3 (c) Total catch (tonnes) by month for launch in Western Abu Dhabi.**

|                       | JAN          | FEB         | MAR         | APR         | MAY         | JUN         | JUL         | AUG         | SEP         | OCT         | NOV         | DEC          | Tot. (mt)    | Tot. (%)     |
|-----------------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|
| <i>A. bifasciatus</i> | 1.5          | 2.1         | 1.0         | 1.1         | 0.7         | 0.1         | 0.4         | 0.4         | 0.1         | 0.0         | 0.0         | 0.3          | 7.7          | 0.8          |
| <i>A. Spinifer</i>    | 0.0          | 0.4         | 0.2         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 3.8         | 0.0         | 0.0         | 0.0          | 4.5          | 0.5          |
| Sphyraenidae          | 1.0          | 0.0         | 0.0         | 0.1         | 0.2         | 0.1         | 0.0         | 0.2         | 0.0         | 1.3         | 0.1         | 0.2          | 3.3          | 0.4          |
| Carangidae            | 5.2          | 6.0         | 1.8         | 3.6         | 8.3         | 9.3         | 9.8         | 10.2        | 11.7        | 1.7         | 3.7         | 0.1          | 71.4         | 7.7          |
| Clupeidae             | 0.0          | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0          | 0.0          | 0.0          |
| Gerridae              | 0.0          | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0          | 0.1          | 0.0          |
| Haemulidae            | 27.8         | 28.3        | 21.4        | 37.0        | 20.0        | 4.1         | 24.9        | 22.8        | 20.5        | 12.8        | 16.0        | 6.2          | 242.0        | 26.2         |
| Lethrinidae           | 22.9         | 14.3        | 5.1         | 21.5        | 34.1        | 26.3        | 21.9        | 10.8        | 2.7         | 2.3         | 2.8         | 6.4          | 171.2        | 18.5         |
| Lutjanidae            | 0.0          | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0          | 0.0          | 0.0          |
| Mixed                 | 0.3          | 0.9         | 0.2         | 1.0         | 1.3         | 0.7         | 0.1         | 0.1         | 0.0         | 0.0         | 0.2         | 0.0          | 4.6          | 0.5          |
| Mugilidae             | 0.0          | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0          | 0.0          | 0.0          |
| Nemipteridae          | 0.0          | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0          | 0.0          | 0.0          |
| Other demersals       | 0.0          | 0.1         | 0.1         | 0.1         | 0.6         | 0.0         | 0.0         | 0.1         | 0.0         | 0.0         | 0.0         | 0.0          | 1.0          | 0.1          |
| Other pelagics        | 0.5          | 0.1         | 0.1         | 0.6         | 0.3         | 0.1         | 0.0         | 0.1         | 0.0         | 0.0         | 0.0         | 0.0          | 1.8          | 0.2          |
| Others                | 0.0          | 0.0         | 0.1         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0          | 0.1          | 0.0          |
| Scomberoides          | 0.0          | 0.0         | 0.0         | 0.5         | 0.8         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0          | 1.3          | 0.1          |
| Shark and Ray         | 1.2          | 0.1         | 0.0         | 0.7         | 0.6         | 22.0        | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0          | 24.6         | 2.7          |
| Scads                 | 0.0          | 0.0         | 0.0         | 1.7         | 4.2         | 4.4         | 2.9         | 0.1         | 0.0         | 0.0         | 0.0         | 0.0          | 13.4         | 1.4          |
| <i>S. commerson</i>   | 82.4         | 5.0         | 2.2         | 0.6         | 0.6         | 0.0         | 0.0         | 0.0         | 0.0         | 1.9         | 4.2         | 86.6         | 183.6        | 19.9         |
| Scaridae              | 0.1          | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.1         | 0.0         | 0.0         | 0.0         | 0.0          | 0.3          | 0.0          |
| Serranidae            | 34.0         | 26.7        | 16.4        | 17.3        | 11.7        | 15.3        | 16.7        | 14.9        | 10.1        | 8.9         | 8.8         | 5.5          | 186.3        | 20.2         |
| Siganidae             | 0.0          | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.2          | 0.2          | 0.0          |
| Other Sparidae        | 0.1          | 0.7         | 0.3         | 0.1         | 0.1         | 4.8         | 0.1         | 0.0         | 0.4         | 0.0         | 0.1         | 0.1          | 6.7          | 0.7          |
| <b>Total (mt)</b>     | <b>177.1</b> | <b>84.8</b> | <b>48.9</b> | <b>86.0</b> | <b>83.5</b> | <b>87.1</b> | <b>76.9</b> | <b>59.9</b> | <b>49.3</b> | <b>28.8</b> | <b>36.0</b> | <b>105.7</b> | <b>924.1</b> | <b>100.0</b> |
| <b>Total (%)</b>      | <b>19.2</b>  | <b>9.2</b>  | <b>5.3</b>  | <b>9.3</b>  | <b>9.0</b>  | <b>9.4</b>  | <b>8.3</b>  | <b>6.5</b>  | <b>5.3</b>  | <b>3.1</b>  | <b>3.9</b>  | <b>11.4</b>  | <b>100.0</b> |              |

**Table 4 (a) Total catch (tonnes) by month for tarad in the Emirate of Abu Dhabi.**

|                        | JAN          | FEB          | MAR          | APR          | MAY          | JUN          | JUL          | AUG          | SEP          | OCT          | NOV          | DEC          | Tot.<br>(mt)  | Tot.<br>(%)  |
|------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|--------------|
| <i>A. bifasciatus</i>  | 1.6          | 12.9         | 0.9          | 0.2          | 0.2          | 0.2          | 0.4          | 0.9          | 1.3          | 0.0          | 0.5          | 0.5          | 19.5          | 0.8          |
| <i>A. Spinifer</i>     | 0.0          | 0.1          | 0.0          | 0.2          | 0.7          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 1.0           | 0.0          |
| <b>Sphyraenidae</b>    | 3.1          | 1.7          | 2.9          | 7.6          | 7.3          | 2.6          | 3.0          | 0.1          | 1.1          | 2.0          | 2.4          | 3.9          | 37.7          | 1.6          |
| <b>Carangidae</b>      | 27.2         | 16.3         | 11.1         | 13.3         | 26.6         | 21.5         | 65.0         | 69.2         | 34.6         | 27.6         | 28.7         | 5.6          | 346.6         | 14.7         |
| <b>Clupeidae</b>       | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0           | 0.0          |
| <b>Gerridae</b>        | 6.6          | 5.4          | 3.1          | 0.0          | 2.5          | 4.4          | 8.0          | 9.1          | 9.4          | 6.4          | 7.4          | 7.1          | 69.3          | 2.9          |
| <b>Haemulidae</b>      | 13.1         | 2.9          | 3.2          | 21.3         | 20.3         | 6.1          | 18.2         | 18.9         | 12.7         | 7.0          | 9.4          | 8.4          | 141.5         | 6.0          |
| <b>Lethrinidae</b>     | 77.5         | 19.0         | 24.8         | 11.7         | 19.8         | 64.0         | 44.3         | 34.0         | 26.0         | 76.8         | 32.1         | 45.9         | 475.8         | 20.2         |
| <b>Lutjanidae</b>      | 0.0          | 0.0          | 25.0         | 10.6         | 6.2          | 3.5          | 9.1          | 5.3          | 11.6         | 0.1          | 0.2          | 0.0          | 71.6          | 3.0          |
| <b>Mixed</b>           | 0.5          | 0.2          | 0.5          | 2.7          | 0.5          | 0.4          | 0.2          | 0.3          | 0.1          | 0.8          | 1.3          | 2.0          | 9.6           | 0.4          |
| <b>Mugilidae</b>       | 0.2          | 0.0          | 0.1          | 0.3          | 0.9          | 3.5          | 1.1          | 0.7          | 1.2          | 7.5          | 0.2          | 0.0          | 15.5          | 0.7          |
| <b>Nemipteridae</b>    | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0           | 0.0          |
| <b>Other demersals</b> | 0.6          | 2.4          | 3.2          | 3.6          | 3.7          | 0.2          | 0.5          | 0.0          | 0.2          | 1.4          | 1.2          | 1.5          | 18.5          | 0.8          |
| <b>Other pelagics</b>  | 1.4          | 1.7          | 8.2          | 1.2          | 3.3          | 11.3         | 12.0         | 8.4          | 3.6          | 12.4         | 1.3          | 4.1          | 69.0          | 2.9          |
| <b>Others</b>          | 0.0          | 0.7          | 0.4          | 0.0          | 0.3          | 0.5          | 1.1          | 0.0          | 0.1          | 9.7          | 1.8          | 2.7          | 17.5          | 0.7          |
| <b>Scomberoides</b>    | 0.3          | 0.5          | 1.8          | 8.2          | 4.1          | 2.0          | 1.4          | 2.9          | 2.9          | 1.2          | 1.9          | 2.9          | 30.3          | 1.3          |
| <b>Shark and Ray</b>   | 2.0          | 6.2          | 5.1          | 10.8         | 1.1          | 6.3          | 0.0          | 0.4          | 0.3          | 0.4          | 5.2          | 21.6         | 59.4          | 2.5          |
| <b>Scads</b>           | 0.3          | 2.9          | 3.1          | 3.4          | 5.2          | 0.9          | 0.3          | 0.2          | 1.3          | 1.7          | 0.4          | 0.3          | 20.1          | 0.9          |
| <i>S. commerson</i>    | 119.8        | 78.9         | 48.8         | 33.2         | 37.9         | 43.9         | 21.9         | 0.3          | 10.0         | 18.3         | 37.3         | 223.6        | 674.0         | 28.7         |
| <b>Scaridae</b>        | 0.0          | 0.0          | 0.1          | 1.7          | 0.1          | 0.1          | 0.0          | 0.1          | 0.0          | 0.0          | 2.4          | 0.2          | 4.6           | 0.2          |
| <b>Serranidae</b>      | 28.5         | 7.5          | 4.8          | 11.4         | 23.9         | 15.4         | 22.5         | 30.2         | 16.6         | 15.4         | 21.4         | 8.5          | 206.1         | 8.8          |
| <b>Siganidae</b>       | 9.2          | 1.6          | 0.5          | 1.7          | 0.7          | 3.5          | 0.8          | 0.4          | 4.4          | 1.2          | 3.8          | 3.7          | 31.5          | 1.3          |
| <b>Other Sparidae</b>  | 0.8          | 0.1          | 0.8          | 0.3          | 1.5          | 3.9          | 2.6          | 9.8          | 2.2          | 1.7          | 5.9          | 3.7          | 33.4          | 1.4          |
| <b>Total (mt)</b>      | <b>292.4</b> | <b>160.8</b> | <b>148.3</b> | <b>143.4</b> | <b>166.9</b> | <b>194.0</b> | <b>212.4</b> | <b>191.3</b> | <b>139.7</b> | <b>191.9</b> | <b>164.8</b> | <b>346.3</b> | <b>2352.3</b> | <b>100.0</b> |
| <b>Total (%)</b>       | <b>12.4</b>  | <b>6.8</b>   | <b>6.3</b>   | <b>6.1</b>   | <b>7.1</b>   | <b>8.2</b>   | <b>9.0</b>   | <b>8.1</b>   | <b>5.9</b>   | <b>8.2</b>   | <b>7.0</b>   | <b>14.7</b>  | <b>100.0</b>  |              |

**Table 4 (b) Total catch (tonnes) by month for tarad in Eastern Abu Dhabi.**

|                        | JAN         | FEB         | MAR         | APR         | MAY         | JUN          | JUL          | AUG          | SEP          | OCT          | NOV          | DEC          | Tot. (mt)     | Tot. (%)     |
|------------------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|--------------|
| <i>A. bifasciatus</i>  | 1.6         | 0.0         | 0.0         | 0.1         | 0.0         | 0.2          | 0.4          | 0.9          | 1.3          | 0.0          | 0.5          | 0.5          | 5.6           | 0.4          |
| <i>A. Spinifer</i>     | 0.0         | 0.0         | 0.0         | 0.1         | 0.0         | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.1           | 0.0          |
| <b>Sphyraenidae</b>    | 1.1         | 0.9         | 1.7         | 1.0         | 7.3         | 2.6          | 2.5          | 0.1          | 1.1          | 2.0          | 2.3          | 3.0          | 25.6          | 2.0          |
| <b>Carangidae</b>      | 24.6        | 14.4        | 6.0         | 8.7         | 15.0        | 10.5         | 48.7         | 60.2         | 33.4         | 25.8         | 26.2         | 5.4          | 278.9         | 22.0         |
| <b>Clupeidae</b>       | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0           | 0.0          |
| <b>Gerridae</b>        | 6.6         | 5.4         | 3.1         | 0.0         | 2.5         | 4.4          | 8.0          | 9.1          | 9.4          | 6.4          | 7.4          | 7.1          | 69.3          | 5.5          |
| <b>Haemulidae</b>      | 7.1         | 0.4         | 0.1         | 0.3         | 0.3         | 0.0          | 0.9          | 0.9          | 4.2          | 0.1          | 0.2          | 0.4          | 15.1          | 1.2          |
| <b>Lethrinidae</b>     | 14.2        | 7.3         | 8.9         | 3.5         | 5.1         | 40.0         | 30.1         | 25.2         | 25.9         | 12.1         | 7.6          | 21.7         | 201.8         | 15.9         |
| <b>Lutjanidae</b>      | 0.0         | 0.0         | 0.0         | 10.6        | 6.2         | 3.5          | 9.0          | 5.3          | 11.6         | 0.1          | 0.2          | 0.0          | 46.5          | 3.7          |
| <b>Mixed</b>           | 0.5         | 0.2         | 0.5         | 1.5         | 0.5         | 0.4          | 0.2          | 0.3          | 0.1          | 0.8          | 1.3          | 2.0          | 8.4           | 0.7          |
| <b>Mugilidae</b>       | 0.2         | 0.0         | 0.1         | 0.3         | 0.9         | 3.5          | 1.1          | 0.7          | 1.2          | 7.5          | 0.2          | 0.0          | 15.5          | 1.2          |
| <b>Nemipteridae</b>    | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0           | 0.0          |
| <b>Other demersals</b> | 0.6         | 2.0         | 1.1         | 1.6         | 2.8         | 0.2          | 0.5          | 0.0          | 0.2          | 1.4          | 1.2          | 1.5          | 13.2          | 1.0          |
| <b>Other pelagics</b>  | 0.9         | 1.2         | 7.1         | 0.7         | 2.8         | 11.2         | 12.0         | 8.4          | 3.6          | 12.4         | 1.2          | 4.0          | 65.6          | 5.2          |
| <b>Others</b>          | 0.0         | 0.6         | 0.2         | 0.0         | 0.3         | 0.5          | 1.1          | 0.0          | 0.1          | 9.7          | 1.8          | 2.7          | 17.1          | 1.3          |
| <b>Scomberoides</b>    | 0.3         | 0.5         | 1.8         | 1.3         | 3.4         | 2.0          | 1.4          | 2.9          | 2.9          | 1.2          | 1.9          | 2.8          | 22.4          | 1.8          |
| <b>Shark and Ray</b>   | 1.1         | 3.6         | 4.0         | 4.7         | 1.1         | 2.4          | 0.0          | 0.4          | 0.3          | 0.4          | 5.2          | 21.6         | 44.9          | 3.5          |
| <b>Scads</b>           | 0.1         | 2.9         | 3.1         | 3.2         | 4.5         | 0.1          | 0.3          | 0.2          | 1.3          | 1.7          | 0.4          | 0.3          | 18.1          | 1.4          |
| <i>S. commerson</i>    | 17.8        | 24.1        | 23.6        | 16.0        | 37.9        | 43.9         | 21.3         | 0.3          | 10.0         | 17.6         | 29.0         | 71.7         | 313.2         | 24.7         |
| <b>Scaridae</b>        | 0.0         | 0.0         | 0.1         | 1.7         | 0.1         | 0.1          | 0.0          | 0.1          | 0.0          | 0.0          | 2.4          | 0.2          | 4.6           | 0.4          |
| <b>Serranidae</b>      | 11.3        | 3.2         | 1.0         | 1.0         | 3.1         | 1.8          | 0.7          | 0.8          | 5.1          | 3.5          | 5.5          | 2.6          | 39.4          | 3.1          |
| <b>Siganidae</b>       | 9.2         | 1.6         | 0.5         | 1.7         | 0.7         | 3.5          | 0.8          | 0.4          | 4.4          | 1.2          | 3.8          | 3.7          | 31.5          | 2.5          |
| <b>Other Sparidae</b>  | 0.8         | 0.1         | 0.8         | 0.3         | 1.5         | 3.6          | 2.6          | 9.8          | 2.2          | 1.7          | 5.9          | 3.7          | 33.0          | 2.6          |
| <b>Total (mt)</b>      | <b>98.0</b> | <b>68.3</b> | <b>63.6</b> | <b>58.3</b> | <b>96.1</b> | <b>134.4</b> | <b>141.8</b> | <b>126.1</b> | <b>118.3</b> | <b>106.0</b> | <b>104.3</b> | <b>154.8</b> | <b>1269.9</b> | <b>100.0</b> |
| <b>Total (%)</b>       | <b>7.7</b>  | <b>5.4</b>  | <b>5.0</b>  | <b>4.6</b>  | <b>7.6</b>  | <b>10.6</b>  | <b>11.2</b>  | <b>9.9</b>   | <b>9.3</b>   | <b>8.3</b>   | <b>8.2</b>   | <b>12.2</b>  | <b>100.0</b>  |              |

**Table 4 (c) Total catch (tonnes) by month for tarad in Western Abu Dhabi.**

|                       | JAN          | FEB         | MAR         | APR         | MAY         | JUN         | JUL         | AUG         | SEP         | OCT         | NOV         | DEC          | Tot. (mt)     | Tot. (%)     |
|-----------------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|---------------|--------------|
| <i>A. bifasciatus</i> | 0.0          | 12.8        | 0.9         | 0.1         | 0.1         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0          | 13.9          | 1.3          |
| <i>A. Spinifer</i>    | 0.0          | 0.1         | 0.0         | 0.1         | 0.7         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0          | 0.9           | 0.1          |
| Sphyraenidae          | 2.0          | 0.8         | 1.2         | 6.7         | 0.1         | 0.0         | 0.4         | 0.0         | 0.0         | 0.0         | 0.1         | 0.9          | 12.1          | 1.1          |
| Carangidae            | 2.5          | 1.9         | 5.1         | 4.5         | 11.6        | 11.0        | 16.3        | 9.1         | 1.2         | 1.8         | 2.5         | 0.2          | 67.7          | 6.3          |
| Clupeidae             | 0.0          | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0          | 0.0           | 0.0          |
| Gerridae              | 0.0          | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0          | 0.0           | 0.0          |
| Haemulidae            | 6.0          | 2.4         | 3.1         | 21.0        | 20.0        | 6.1         | 17.4        | 18.0        | 8.5         | 6.9         | 9.1         | 8.0          | 126.3         | 11.7         |
| Lethrinidae           | 63.3         | 11.7        | 15.9        | 8.1         | 14.6        | 24.0        | 14.1        | 8.8         | 0.1         | 64.7        | 24.5        | 24.3         | 274.0         | 25.3         |
| Lutjanidae            | 0.0          | 0.0         | 25.0        | 0.0         | 0.0         | 0.0         | 0.1         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0          | 25.1          | 2.3          |
| Mixed                 | 0.0          | 0.0         | 0.0         | 1.2         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0          | 1.2           | 0.1          |
| Mugilidae             | 0.0          | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0          | 0.0           | 0.0          |
| Nemipteridae          | 0.0          | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0          | 0.0           | 0.0          |
| Other demersals       | 0.0          | 0.4         | 2.0         | 2.1         | 0.9         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0          | 5.4           | 0.5          |
| Other pelagics        | 0.4          | 0.5         | 1.1         | 0.6         | 0.5         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.1         | 0.2          | 3.4           | 0.3          |
| Others                | 0.0          | 0.1         | 0.2         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0          | 0.3           | 0.0          |
| Scomberoides          | 0.0          | 0.0         | 0.0         | 7.0         | 0.7         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.2          | 7.9           | 0.7          |
| Shark and Ray         | 0.9          | 2.6         | 1.1         | 6.1         | 0.0         | 3.8         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0          | 14.5          | 1.3          |
| Scads                 | 0.2          | 0.0         | 0.0         | 0.2         | 0.7         | 0.8         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0          | 1.9           | 0.2          |
| <i>S. commerson</i>   | 102.0        | 54.8        | 25.3        | 17.1        | 0.0         | 0.0         | 0.6         | 0.0         | 0.0         | 0.7         | 8.3         | 152.0        | 360.8         | 33.3         |
| Scaridae              | 0.0          | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0          | 0.0           | 0.0          |
| Serranidae            | 17.2         | 4.3         | 3.9         | 10.4        | 20.8        | 13.6        | 21.8        | 29.4        | 11.6        | 11.8        | 15.9        | 5.9          | 166.6         | 15.4         |
| Siganidae             | 0.0          | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0          | 0.0           | 0.0          |
| Other Sparidae        | 0.0          | 0.0         | 0.0         | 0.0         | 0.0         | 0.4         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0          | 0.4           | 0.0          |
| <b>Total (mt)</b>     | <b>194.4</b> | <b>92.5</b> | <b>84.8</b> | <b>85.1</b> | <b>70.8</b> | <b>59.6</b> | <b>70.6</b> | <b>65.3</b> | <b>21.4</b> | <b>85.9</b> | <b>60.5</b> | <b>191.5</b> | <b>1082.4</b> | <b>100.0</b> |
| <b>Total (%)</b>      | <b>18.0</b>  | <b>8.5</b>  | <b>7.8</b>  | <b>7.9</b>  | <b>6.5</b>  | <b>5.5</b>  | <b>6.5</b>  | <b>6.0</b>  | <b>2.0</b>  | <b>7.9</b>  | <b>5.6</b>  | <b>17.7</b>  | <b>100.0</b>  |              |

**Table 5 (a) Total catch (tonnes) and species composition for landings at Free Port.**

|                       | JAN          | FEB          | MAR          | APR          | MAY          | JUN          | JUL          | AUG          | SEP          | OCT          | NOV          | DEC          | Tot. (mt)     | Tot. (%)     |
|-----------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|--------------|
| <i>A. bifasciatus</i> | 9.8          | 2.8          | 6.8          | 0.0          | 0.0          | 2.5          | 4.6          | 4.0          | 4.8          | 1.0          | 1.8          | 6.8          | 44.8          | 0.8          |
| <i>A. Spinifer</i>    | 23.1         | 26.5         | 39.6         | 27.3         | 5.5          | 3.2          | 7.4          | 5.4          | 10.7         | 3.0          | 5.0          | 21.4         | 178.1         | 3.2          |
| Sphyrnidae            | 0.3          | 4.1          | 0.7          | 1.5          | 1.7          | 0.4          | 0.4          | 0.0          | 0.4          | 0.8          | 0.8          | 1.0          | 12.1          | 0.2          |
| Carangidae            | 21.4         | 35.5         | 18.2         | 63.1         | 55.5         | 101.7        | 117.9        | 120.0        | 103.5        | 75.1         | 85.0         | 59.9         | 856.8         | 15.4         |
| Clupeidae             | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0           | 0.0          |
| Gerridae              | 1.5          | 2.7          | 1.5          | 0.0          | 0.5          | 0.7          | 1.2          | 3.2          | 3.7          | 2.5          | 2.6          | 2.3          | 22.3          | 0.4          |
| Haemulidae            | 28.6         | 26.2         | 27.5         | 20.3         | 13.0         | 24.8         | 21.9         | 43.2         | 34.7         | 22.2         | 23.4         | 19.0         | 304.7         | 5.5          |
| Lethrinidae           | 120.7        | 122.2        | 183.1        | 200.2        | 219.8        | 248.1        | 182.4        | 279.6        | 154.4        | 109.6        | 124.1        | 137.5        | 2081.7        | 37.5         |
| Lutjanidae            | 4.1          | 0.8          | 0.2          | 5.1          | 2.1          | 2.4          | 5.6          | 10.5         | 13.2         | 5.6          | 4.9          | 0.5          | 54.9          | 1.0          |
| Mixed                 | 17.4         | 22.6         | 25.8         | 4.2          | 7.2          | 3.6          | 3.6          | 2.7          | 0.0          | 1.7          | 6.2          | 8.8          | 103.9         | 1.9          |
| Mugilidae             | 0.0          | 0.0          | 0.0          | 0.1          | 0.2          | 0.5          | 0.2          | 0.2          | 0.5          | 3.0          | 23.6         | 0.0          | 28.1          | 0.5          |
| Nemipteridae          | 0.4          | 5.5          | 3.0          | 0.5          | 0.0          | 0.0          | 1.0          | 2.2          | 0.7          | 0.6          | 0.7          | 0.9          | 15.6          | 0.3          |
| Other demersals       | 0.1          | 3.9          | 3.3          | 9.6          | 6.5          | 0.8          | 2.1          | 11.9         | 3.4          | 3.9          | 11.4         | 8.4          | 65.4          | 1.2          |
| Other pelagics        | 7.2          | 20.3         | 4.5          | 10.8         | 7.2          | 6.3          | 7.7          | 3.8          | 3.2          | 5.1          | 13.3         | 5.8          | 95.4          | 1.7          |
| Others                | 0.6          | 1.5          | 0.8          | 0.0          | 1.4          | 3.4          | 1.8          | 0.5          | 0.6          | 4.2          | 10.1         | 4.6          | 29.5          | 0.5          |
| Scomberoides          | 0.1          | 0.2          | 0.8          | 0.3          | 3.1          | 12.4         | 1.4          | 3.9          | 4.2          | 0.8          | 0.7          | 1.7          | 29.4          | 0.5          |
| Shark and Ray         | 6.8          | 22.5         | 13.9         | 39.7         | 5.5          | 0.4          | 3.1          | 0.1          | 0.1          | 0.2          | 1.9          | 17.5         | 111.6         | 2.0          |
| Scads                 | 0.7          | 3.5          | 1.3          | 17.5         | 66.3         | 36.0         | 6.6          | 4.4          | 17.4         | 7.9          | 15.7         | 5.6          | 182.9         | 3.3          |
| <i>S. commerson</i>   | 10.0         | 11.9         | 10.4         | 7.1          | 7.8          | 6.6          | 3.3          | 0.1          | 3.9          | 9.2          | 13.4         | 31.9         | 115.5         | 2.1          |
| Scaridae              | 4.1          | 3.4          | 0.4          | 2.2          | 0.3          | 4.6          | 6.4          | 3.0          | 5.3          | 2.4          | 3.8          | 6.8          | 42.6          | 0.8          |
| Serranidae            | 87.3         | 133.1        | 226.6        | 124.5        | 65.8         | 62.1         | 64.8         | 68.3         | 68.1         | 46.5         | 87.7         | 79.3         | 1114.1        | 20.1         |
| Siganidae             | 3.1          | 0.8          | 1.5          | 1.7          | 0.5          | 2.4          | 1.4          | 2.5          | 2.8          | 1.3          | 1.7          | 1.8          | 21.4          | 0.4          |
| Other Sparidae        | 5.1          | 9.2          | 7.7          | 2.5          | 0.6          | 1.1          | 1.0          | 2.3          | 0.9          | 0.7          | 2.1          | 3.2          | 36.4          | 0.7          |
| <b>Total (mt)</b>     | <b>352.6</b> | <b>459.1</b> | <b>577.5</b> | <b>538.3</b> | <b>470.7</b> | <b>523.8</b> | <b>445.6</b> | <b>571.7</b> | <b>436.4</b> | <b>307.2</b> | <b>440.0</b> | <b>424.5</b> | <b>5547.5</b> | <b>100.0</b> |
| <b>Total (%)</b>      | <b>6.4</b>   | <b>8.3</b>   | <b>10.4</b>  | <b>9.7</b>   | <b>8.5</b>   | <b>9.4</b>   | <b>8.0</b>   | <b>10.3</b>  | <b>7.9</b>   | <b>5.5</b>   | <b>7.9</b>   | <b>7.7</b>   | <b>100.0</b>  |              |

**Table 5 (b) Total catch (tonnes) and species composition for launch landings at Free Port.**

|                       | JAN          | FEB          | MAR          | APR          | MAY          | JUN          | JUL          | AUG          | SEP          | OCT          | NOV          | DEC          | Tot. (mt)     | Tot. (%)     |
|-----------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|--------------|
| <i>A. bifasciatus</i> | 9.4          | 2.8          | 6.8          | 0.0          | 0.0          | 2.4          | 4.5          | 3.7          | 4.3          | 1.0          | 1.7          | 6.6          | 43.3          | 0.8          |
| <i>A. Spinifer</i>    | 23.1         | 26.5         | 39.6         | 27.3         | 5.5          | 3.2          | 7.4          | 5.4          | 10.7         | 3.0          | 5.0          | 21.4         | 178.1         | 3.4          |
| Sphyraenidae          | 0.0          | 3.6          | 0.0          | 1.3          | 0.3          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 5.2           | 0.1          |
| Carangidae            | 15.6         | 28.4         | 15.6         | 61.0         | 52.7         | 100.2        | 110.8        | 105.8        | 90.5         | 64.9         | 75.6         | 58.2         | 779.1         | 15.0         |
| Clupeidae             | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0           | 0.0          |
| Gerridae              | 0.0          | 0.0          | 0.1          | 0.0          | 0.0          | 0.0          | 0.0          | 1.1          | 0.0          | 0.0          | 0.0          | 0.0          | 1.2           | 0.0          |
| Haemulidae            | 26.9         | 26.0         | 27.5         | 20.2         | 12.9         | 24.7         | 21.8         | 43.0         | 33.0         | 22.2         | 23.3         | 18.8         | 300.4         | 5.8          |
| Lethrinidae           | 117.4        | 118.6        | 179.2        | 199.3        | 218.9        | 242.1        | 178.0        | 273.7        | 144.3        | 104.8        | 121.3        | 130.5        | 2028.1        | 39.1         |
| Lutjanidae            | 4.1          | 0.8          | 0.2          | 2.5          | 1.0          | 1.8          | 4.3          | 9.2          | 8.7          | 5.5          | 4.9          | 0.5          | 43.5          | 0.8          |
| Mixed                 | 17.3         | 22.5         | 25.6         | 3.9          | 7.1          | 3.5          | 3.5          | 2.7          | 0.0          | 1.4          | 5.7          | 8.2          | 101.4         | 2.0          |
| Mugilidae             | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 23.5         | 0.0          | 23.5          | 0.5          |
| Nemipteridae          | 0.4          | 5.5          | 3.0          | 0.5          | 0.0          | 0.0          | 1.0          | 2.2          | 0.7          | 0.6          | 0.7          | 0.9          | 15.6          | 0.3          |
| Other demersals       | 0.0          | 2.9          | 2.8          | 9.2          | 6.0          | 0.8          | 2.0          | 11.9         | 3.3          | 3.4          | 11.0         | 7.9          | 61.2          | 1.2          |
| Other pelagics        | 7.0          | 19.7         | 1.5          | 10.7         | 6.6          | 4.6          | 6.0          | 1.8          | 1.8          | 0.2          | 12.9         | 4.6          | 77.4          | 1.5          |
| Others                | 0.6          | 1.2          | 0.7          | 0.0          | 1.4          | 3.3          | 1.6          | 0.5          | 0.5          | 0.3          | 9.5          | 3.7          | 23.4          | 0.5          |
| Scomberoides          | 0.0          | 0.0          | 0.0          | 0.0          | 2.4          | 12.1         | 1.2          | 3.2          | 3.0          | 0.3          | 0.0          | 0.8          | 23.0          | 0.4          |
| Shark and Ray         | 6.5          | 20.7         | 12.1         | 38.6         | 5.3          | 0.0          | 3.1          | 0.0          | 0.0          | 0.0          | 0.0          | 10.6         | 96.9          | 1.9          |
| Scads                 | 0.7          | 2.1          | 0.0          | 16.7         | 65.4         | 36.0         | 6.5          | 4.3          | 16.8         | 7.2          | 15.6         | 5.5          | 176.9         | 3.4          |
| <i>S. commerson</i>   | 5.8          | 0.0          | 0.2          | 3.2          | 0.7          | 0.0          | 0.1          | 0.0          | 0.0          | 2.3          | 3.0          | 8.9          | 24.1          | 0.5          |
| Scaridae              | 4.1          | 3.4          | 0.3          | 1.8          | 0.3          | 4.6          | 6.4          | 3.0          | 5.3          | 2.4          | 2.9          | 6.7          | 41.1          | 0.8          |
| Serranidae            | 84.6         | 131.5        | 226.2        | 124.3        | 65.2         | 61.8         | 64.7         | 68.1         | 66.1         | 45.1         | 85.7         | 78.5         | 1101.9        | 21.3         |
| Siganidae             | 1.0          | 0.0          | 1.3          | 1.3          | 0.4          | 1.8          | 1.2          | 2.4          | 1.0          | 0.9          | 0.3          | 0.6          | 12.2          | 0.2          |
| Other Sparidae        | 4.9          | 9.1          | 7.4          | 2.4          | 0.3          | 0.6          | 0.6          | 0.0          | 0.0          | 0.0          | 0.0          | 2.0          | 27.4          | 0.5          |
| <b>Total (mt)</b>     | <b>329.5</b> | <b>425.4</b> | <b>550.0</b> | <b>524.1</b> | <b>452.6</b> | <b>503.6</b> | <b>424.8</b> | <b>542.0</b> | <b>390.2</b> | <b>265.3</b> | <b>402.6</b> | <b>374.8</b> | <b>5184.9</b> | <b>100.0</b> |
| <b>Total (%)</b>      | <b>6.4</b>   | <b>8.2</b>   | <b>10.6</b>  | <b>10.1</b>  | <b>8.7</b>   | <b>9.7</b>   | <b>8.2</b>   | <b>10.5</b>  | <b>7.5</b>   | <b>5.1</b>   | <b>7.8</b>   | <b>7.2</b>   | <b>100.0</b>  |              |

**Table 5 (c) Total catch (tonnes) and species composition for tarad landings at Free Port.**

|                        | JAN         | FEB         | MAR         | APR         | MAY         | JUN         | JUL         | AUG         | SEP         | OCT         | NOV         | DEC         | Tot. (mt)    | Tot. (%)     |
|------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|
| <i>A. bifasciatus</i>  | 0.4         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.1         | 0.2         | 0.5         | 0.0         | 0.2         | 0.1         | 1.6          | 0.4          |
| <i>A. Spinifer</i>     | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0          | 0.0          |
| <b>Sphraenidae</b>     | 0.3         | 0.5         | 0.7         | 0.2         | 1.4         | 0.4         | 0.4         | 0.0         | 0.4         | 0.8         | 0.8         | 1.0         | 6.8          | 1.9          |
| <b>Carangidae</b>      | 5.8         | 7.1         | 2.6         | 2.1         | 2.8         | 1.6         | 7.1         | 14.2        | 13.1        | 10.2        | 9.4         | 1.7         | 77.7         | 21.4         |
| <b>Clupeidae</b>       | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0          | 0.0          |
| <b>Gerridae</b>        | 1.5         | 2.7         | 1.3         | 0.0         | 0.5         | 0.7         | 1.2         | 2.1         | 3.7         | 2.5         | 2.6         | 2.3         | 21.1         | 5.8          |
| <b>Haemulidae</b>      | 1.7         | 0.2         | 0.1         | 0.1         | 0.0         | 0.0         | 0.1         | 0.2         | 1.6         | 0.1         | 0.1         | 0.1         | 4.4          | 1.2          |
| <b>Lethrinidae</b>     | 3.4         | 3.6         | 3.9         | 0.9         | 1.0         | 6.0         | 4.4         | 5.9         | 10.1        | 4.8         | 2.7         | 7.0         | 53.6         | 14.8         |
| <b>Lutjanidae</b>      | 0.0         | 0.0         | 0.0         | 2.6         | 1.2         | 0.5         | 1.3         | 1.2         | 4.5         | 0.1         | 0.1         | 0.0         | 11.5         | 3.2          |
| <b>Mixed</b>           | 0.1         | 0.1         | 0.2         | 0.4         | 0.1         | 0.1         | 0.0         | 0.1         | 0.0         | 0.3         | 0.5         | 0.6         | 2.6          | 0.7          |
| <b>Mugilidae</b>       | 0.0         | 0.0         | 0.0         | 0.1         | 0.2         | 0.5         | 0.2         | 0.2         | 0.5         | 3.0         | 0.1         | 0.0         | 4.6          | 1.3          |
| <b>Nemipteridae</b>    | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0          | 0.0          |
| <b>Other demersals</b> | 0.1         | 1.0         | 0.5         | 0.4         | 0.5         | 0.0         | 0.1         | 0.0         | 0.1         | 0.6         | 0.4         | 0.5         | 4.2          | 1.2          |
| <b>Other pelagics</b>  | 0.2         | 0.6         | 3.1         | 0.2         | 0.5         | 1.7         | 1.8         | 2.0         | 1.4         | 4.9         | 0.4         | 1.3         | 18.0         | 5.0          |
| <b>Others</b>          | 0.0         | 0.3         | 0.1         | 0.0         | 0.1         | 0.1         | 0.2         | 0.0         | 0.1         | 3.8         | 0.7         | 0.9         | 6.1          | 1.7          |
| <b>Scomberoides</b>    | 0.1         | 0.2         | 0.8         | 0.3         | 0.6         | 0.3         | 0.2         | 0.7         | 1.1         | 0.5         | 0.7         | 0.9         | 6.4          | 1.8          |
| <b>Shark and Ray</b>   | 0.3         | 1.8         | 1.7         | 1.1         | 0.2         | 0.4         | 0.0         | 0.1         | 0.1         | 0.2         | 1.9         | 6.9         | 14.7         | 4.1          |
| <b>Scads</b>           | 0.0         | 1.4         | 1.3         | 0.8         | 0.8         | 0.0         | 0.0         | 0.0         | 0.5         | 0.7         | 0.1         | 0.1         | 6.0          | 1.6          |
| <i>S. commerson</i>    | 4.2         | 11.9        | 10.2        | 3.9         | 7.1         | 6.6         | 3.1         | 0.1         | 3.9         | 7.0         | 10.4        | 23.0        | 91.4         | 25.2         |
| <b>Scaridae</b>        | 0.0         | 0.0         | 0.0         | 0.4         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.9         | 0.1         | 1.4          | 0.4          |
| <b>Serranidae</b>      | 2.7         | 1.6         | 0.4         | 0.2         | 0.6         | 0.3         | 0.1         | 0.2         | 2.0         | 1.4         | 2.0         | 0.8         | 12.2         | 3.4          |
| <b>Siganidae</b>       | 2.2         | 0.8         | 0.2         | 0.4         | 0.1         | 0.5         | 0.1         | 0.1         | 1.7         | 0.5         | 1.4         | 1.2         | 9.2          | 2.5          |
| <b>Other Sparidae</b>  | 0.2         | 0.0         | 0.3         | 0.1         | 0.3         | 0.5         | 0.4         | 2.3         | 0.9         | 0.7         | 2.1         | 1.2         | 9.0          | 2.5          |
| <b>Total (mt)</b>      | <b>23.1</b> | <b>33.8</b> | <b>27.5</b> | <b>14.2</b> | <b>18.0</b> | <b>20.2</b> | <b>20.8</b> | <b>29.7</b> | <b>46.2</b> | <b>41.9</b> | <b>37.4</b> | <b>49.7</b> | <b>362.6</b> | <b>100.0</b> |
| <b>Total (%)</b>       | <b>6.4</b>  | <b>9.3</b>  | <b>7.6</b>  | <b>3.9</b>  | <b>5.0</b>  | <b>5.6</b>  | <b>5.7</b>  | <b>8.2</b>  | <b>12.7</b> | <b>11.6</b> | <b>10.3</b> | <b>13.7</b> | <b>100.0</b> |              |

**Table 6 Total catch (tonnes) and species composition for landings at Bateen.**

|                        | JAN         | FEB         | MAR         | APR         | MAY         | JUN         | JUL         | AUG         | SEP         | OCT         | NOV         | DEC         | Tot. (mt)    | Tot. (%)     |
|------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|
| <i>A. bifasciatus</i>  | 0.8         | 0.0         | 0.0         | 0.1         | 0.0         | 0.1         | 0.2         | 0.3         | 0.3         | 0.0         | 0.1         | 0.1         | 2.1          | 0.5          |
| <i>A. Spinifer</i>     | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.1          | 0.0          |
| <b>Sphyraenidae</b>    | 0.6         | 0.3         | 0.5         | 0.5         | 3.1         | 1.2         | 1.2         | 0.0         | 0.3         | 0.4         | 0.4         | 0.8         | 9.3          | 2.1          |
| <b>Carangidae</b>      | 12.9        | 5.3         | 1.8         | 4.5         | 6.4         | 4.7         | 23.5        | 21.7        | 8.5         | 5.1         | 4.3         | 1.5         | 100.3        | 22.2         |
| <b>Clupeidae</b>       | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0          | 0.0          |
| <b>Gerridae</b>        | 3.4         | 2.0         | 1.0         | 0.0         | 1.1         | 1.9         | 3.9         | 3.3         | 2.4         | 1.3         | 1.2         | 2.0         | 23.4         | 5.2          |
| <b>Haemulidae</b>      | 3.8         | 0.2         | 0.0         | 0.2         | 0.1         | 0.0         | 0.4         | 0.3         | 1.1         | 0.0         | 0.0         | 0.1         | 6.2          | 1.4          |
| <b>Lethrinidae</b>     | 7.5         | 2.7         | 2.8         | 1.8         | 2.2         | 17.8        | 14.5        | 9.1         | 6.6         | 2.4         | 1.3         | 6.0         | 74.6         | 16.5         |
| <b>Lutjanidae</b>      | 0.0         | 0.0         | 0.0         | 5.5         | 2.6         | 1.6         | 4.3         | 1.9         | 2.9         | 0.0         | 0.0         | 0.0         | 18.9         | 4.2          |
| <b>Mixed</b>           | 0.3         | 0.1         | 0.2         | 0.8         | 0.2         | 0.2         | 0.1         | 0.1         | 0.0         | 0.2         | 0.2         | 0.6         | 2.8          | 0.6          |
| <b>Mugilidae</b>       | 0.1         | 0.0         | 0.0         | 0.1         | 0.4         | 1.5         | 0.5         | 0.2         | 0.3         | 1.5         | 0.0         | 0.0         | 4.8          | 1.1          |
| <b>Nemipteridae</b>    | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0          | 0.0          |
| <b>Other demersals</b> | 0.3         | 0.7         | 0.4         | 0.8         | 1.2         | 0.1         | 0.2         | 0.0         | 0.0         | 0.3         | 0.2         | 0.4         | 4.7          | 1.0          |
| <b>Other pelagics</b>  | 0.5         | 0.4         | 2.2         | 0.4         | 1.2         | 5.0         | 5.8         | 3.0         | 0.9         | 2.5         | 0.2         | 1.1         | 23.2         | 5.1          |
| <b>Others</b>          | 0.0         | 0.2         | 0.1         | 0.0         | 0.1         | 0.2         | 0.5         | 0.0         | 0.0         | 1.9         | 0.3         | 0.7         | 4.2          | 0.9          |
| <b>Scomberoides</b>    | 0.1         | 0.2         | 0.6         | 0.7         | 1.4         | 0.9         | 0.7         | 1.1         | 0.7         | 0.2         | 0.3         | 0.8         | 7.7          | 1.7          |
| <b>Shark and Ray</b>   | 0.6         | 1.3         | 1.2         | 2.4         | 0.5         | 1.1         | 0.0         | 0.2         | 0.1         | 0.1         | 0.9         | 6.0         | 14.3         | 3.2          |
| <b>Scads</b>           | 0.0         | 1.1         | 1.0         | 1.7         | 1.9         | 0.0         | 0.1         | 0.1         | 0.3         | 0.3         | 0.1         | 0.1         | 6.7          | 1.5          |
| <i>S. commerson</i>    | 9.4         | 8.9         | 7.3         | 8.3         | 16.1        | 19.5        | 10.3        | 0.1         | 2.5         | 3.5         | 4.8         | 20.0        | 110.7        | 24.5         |
| <b>Scaridae</b>        | 0.0         | 0.0         | 0.0         | 0.9         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.4         | 0.0         | 1.5          | 0.3          |
| <b>Serranidae</b>      | 5.9         | 1.2         | 0.3         | 0.5         | 1.3         | 0.8         | 0.4         | 0.3         | 1.3         | 0.7         | 0.9         | 0.7         | 14.3         | 3.1          |
| <b>Siganidae</b>       | 4.8         | 0.6         | 0.2         | 0.9         | 0.3         | 1.6         | 0.4         | 0.1         | 1.1         | 0.2         | 0.6         | 1.0         | 11.8         | 2.6          |
| <b>Other Sparidae</b>  | 0.4         | 0.0         | 0.2         | 0.2         | 0.6         | 1.6         | 1.3         | 3.5         | 0.6         | 0.3         | 1.0         | 1.0         | 10.8         | 2.4          |
| <b>Total (mt)</b>      | <b>51.6</b> | <b>25.2</b> | <b>19.7</b> | <b>30.2</b> | <b>40.8</b> | <b>59.8</b> | <b>68.3</b> | <b>45.5</b> | <b>30.0</b> | <b>21.0</b> | <b>17.3</b> | <b>43.2</b> | <b>452.5</b> | <b>100.0</b> |
| <b>Total (%)</b>       | <b>11.4</b> | <b>5.6</b>  | <b>4.4</b>  | <b>6.7</b>  | <b>9.0</b>  | <b>13.2</b> | <b>15.1</b> | <b>10.1</b> | <b>6.6</b>  | <b>4.6</b>  | <b>3.8</b>  | <b>9.5</b>  | <b>100.0</b> |              |

**Table 7 Total catch (tonnes) and species composition for landings at Khor Al Azab.**

|                       | JAN        | FEB        | MAR        | APR        | MAY         | JUN         | JUL         | AUG         | SEP         | OCT         | NOV         | DEC         | Tot. (mt)    | Tot. (%)     |
|-----------------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|
| <i>A. bifasciatus</i> | 0.2        | 0.0        | 0.0        | 0.0        | 0.0         | 0.0         | 0.0         | 0.1         | 0.1         | 0.0         | 0.0         | 0.1         | 0.6          | 0.4          |
| <i>A. Spinifer</i>    | 0.0        | 0.0        | 0.0        | 0.0        | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0          | 0.0          |
| Sphyraenidae          | 0.1        | 0.1        | 0.2        | 0.1        | 1.0         | 0.4         | 0.3         | 0.0         | 0.1         | 0.2         | 0.2         | 0.4         | 3.1          | 2.1          |
| Carangidae            | 2.5        | 0.8        | 0.6        | 0.8        | 2.0         | 1.6         | 5.5         | 6.5         | 3.5         | 3.0         | 2.8         | 0.7         | 30.1         | 21.1         |
| Clupeidae             | 0.0        | 0.0        | 0.0        | 0.0        | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0          | 0.0          |
| Gerridae              | 0.7        | 0.3        | 0.3        | 0.0        | 0.3         | 0.7         | 0.9         | 1.0         | 1.0         | 0.7         | 0.8         | 0.9         | 7.5          | 5.3          |
| Haemulidae            | 0.7        | 0.0        | 0.0        | 0.0        | 0.0         | 0.0         | 0.1         | 0.1         | 0.4         | 0.0         | 0.0         | 0.1         | 1.5          | 1.1          |
| Lethrinidae           | 1.4        | 0.4        | 0.9        | 0.3        | 0.7         | 6.2         | 3.4         | 2.7         | 2.7         | 1.4         | 0.8         | 2.6         | 23.6         | 16.5         |
| Lutjanidae            | 0.0        | 0.0        | 0.0        | 0.9        | 0.8         | 0.5         | 1.0         | 0.6         | 1.2         | 0.0         | 0.0         | 0.0         | 5.2          | 3.6          |
| Mixed                 | 0.0        | 0.0        | 0.1        | 0.1        | 0.1         | 0.1         | 0.0         | 0.0         | 0.0         | 0.1         | 0.1         | 0.2         | 0.9          | 0.6          |
| Mugilidae             | 0.0        | 0.0        | 0.0        | 0.0        | 0.1         | 0.5         | 0.1         | 0.1         | 0.1         | 0.9         | 0.0         | 0.0         | 1.9          | 1.3          |
| Nemipteridae          | 0.0        | 0.0        | 0.0        | 0.0        | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0          | 0.0          |
| Other demersals       | 0.1        | 0.1        | 0.1        | 0.1        | 0.4         | 0.0         | 0.1         | 0.0         | 0.0         | 0.2         | 0.1         | 0.2         | 1.4          | 1.0          |
| Other pelagics        | 0.1        | 0.1        | 0.7        | 0.1        | 0.4         | 1.7         | 1.4         | 0.9         | 0.4         | 1.4         | 0.1         | 0.5         | 7.7          | 5.4          |
| Others                | 0.0        | 0.0        | 0.0        | 0.0        | 0.0         | 0.1         | 0.1         | 0.0         | 0.0         | 1.1         | 0.2         | 0.3         | 2.0          | 1.4          |
| Scomberoides          | 0.0        | 0.0        | 0.2        | 0.1        | 0.5         | 0.3         | 0.2         | 0.3         | 0.3         | 0.1         | 0.2         | 0.3         | 2.6          | 1.8          |
| Shark and Ray         | 0.1        | 0.2        | 0.4        | 0.4        | 0.2         | 0.4         | 0.0         | 0.0         | 0.0         | 0.0         | 0.6         | 2.6         | 5.0          | 3.5          |
| Scads                 | 0.0        | 0.2        | 0.3        | 0.3        | 0.6         | 0.0         | 0.0         | 0.0         | 0.1         | 0.2         | 0.0         | 0.0         | 1.9          | 1.3          |
| <i>S. commerson</i>   | 1.8        | 1.4        | 2.3        | 1.4        | 5.1         | 6.8         | 2.4         | 0.0         | 1.0         | 2.0         | 3.1         | 8.7         | 36.2         | 25.3         |
| Scaridae              | 0.0        | 0.0        | 0.0        | 0.2        | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.3         | 0.0         | 0.5          | 0.3          |
| Serranidae            | 1.1        | 0.2        | 0.1        | 0.1        | 0.4         | 0.3         | 0.1         | 0.1         | 0.5         | 0.4         | 0.6         | 0.3         | 4.2          | 2.9          |
| Siganidae             | 0.9        | 0.1        | 0.0        | 0.2        | 0.1         | 0.5         | 0.1         | 0.0         | 0.5         | 0.1         | 0.4         | 0.5         | 3.4          | 2.4          |
| Other Sparidae        | 0.1        | 0.0        | 0.1        | 0.0        | 0.2         | 0.6         | 0.3         | 1.0         | 0.2         | 0.2         | 0.6         | 0.5         | 3.8          | 2.7          |
| <b>Total (mt)</b>     | <b>9.8</b> | <b>3.9</b> | <b>6.2</b> | <b>5.2</b> | <b>13.0</b> | <b>20.9</b> | <b>16.0</b> | <b>13.5</b> | <b>12.3</b> | <b>12.1</b> | <b>11.1</b> | <b>18.8</b> | <b>143.0</b> | <b>100.0</b> |
| <b>Total (%)</b>      | <b>6.9</b> | <b>2.7</b> | <b>4.4</b> | <b>3.7</b> | <b>9.1</b>  | <b>14.6</b> | <b>11.2</b> | <b>9.5</b>  | <b>8.6</b>  | <b>8.5</b>  | <b>7.7</b>  | <b>13.2</b> | <b>100.0</b> |              |

**Table 8 (a) Total catch (tonnes) and species composition for landings at Al Sadar.**

|                       | JAN         | FEB         | MAR         | APR         | MAY         | JUN          | JUL         | AUG          | SEP         | OCT         | NOV         | DEC          | Tot.<br>(mt) | Tot.<br>(%)  |
|-----------------------|-------------|-------------|-------------|-------------|-------------|--------------|-------------|--------------|-------------|-------------|-------------|--------------|--------------|--------------|
| <i>A. bifasciatus</i> | 0.8         | 0.1         | 0.3         | 0.0         | 0.0         | 0.4          | 0.7         | 0.8          | 1.1         | 0.2         | 0.4         | 1.2          | 5.9          | 0.7          |
| <i>A. Spinifer</i>    | 1.3         | 0.9         | 1.7         | 1.9         | 0.6         | 0.5          | 1.0         | 0.7          | 1.9         | 0.7         | 0.6         | 3.4          | 15.2         | 1.7          |
| Sphyraenidae          | 0.2         | 0.2         | 0.3         | 0.2         | 1.9         | 0.6          | 0.7         | 0.0          | 0.3         | 0.6         | 0.8         | 0.8          | 6.6          | 0.7          |
| Carangidae            | 4.3         | 2.1         | 1.6         | 5.6         | 9.9         | 17.1         | 26.9        | 31.7         | 24.7        | 22.1        | 18.2        | 10.9         | 175.1        | 19.6         |
| Clupeidae             | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0          | 0.0         | 0.0          | 0.0         | 0.0         | 0.0         | 0.0          | 0.0          | 0.0          |
| Gerridae              | 0.9         | 0.4         | 0.5         | 0.0         | 0.6         | 1.1          | 2.1         | 2.8          | 2.4         | 1.9         | 2.7         | 2.0          | 17.4         | 2.0          |
| Haemulidae            | 2.6         | 0.9         | 1.2         | 1.5         | 1.6         | 3.6          | 3.0         | 5.9          | 7.0         | 5.0         | 2.7         | 3.2          | 38.1         | 4.3          |
| Lethrinidae           | 8.8         | 4.5         | 9.1         | 14.6        | 26.5        | 45.1         | 30.8        | 43.4         | 32.4        | 27.1        | 16.5        | 27.0         | 285.8        | 32.0         |
| Lutjanidae            | 0.2         | 0.0         | 0.0         | 1.8         | 1.7         | 1.1          | 2.9         | 2.8          | 4.5         | 1.3         | 0.6         | 0.1          | 17.0         | 1.9          |
| Mixed                 | 1.1         | 0.8         | 1.2         | 0.5         | 0.9         | 0.6          | 0.5         | 0.4          | 0.0         | 0.6         | 1.1         | 1.9          | 9.6          | 1.1          |
| Mugilidae             | 0.0         | 0.0         | 0.0         | 0.0         | 0.2         | 0.9          | 0.3         | 0.2          | 0.3         | 2.2         | 2.7         | 0.0          | 6.9          | 0.8          |
| Nemipteridae          | 0.0         | 0.2         | 0.1         | 0.0         | 0.0         | 0.0          | 0.1         | 0.3          | 0.1         | 0.1         | 0.1         | 0.1          | 1.3          | 0.1          |
| Other demersals       | 0.1         | 0.3         | 0.3         | 0.9         | 1.4         | 0.2          | 0.4         | 1.6          | 0.6         | 1.2         | 1.7         | 1.7          | 10.2         | 1.1          |
| Other pelagics        | 0.5         | 0.7         | 1.2         | 0.9         | 1.5         | 3.5          | 3.9         | 2.7          | 1.2         | 3.7         | 1.9         | 1.8          | 23.6         | 2.6          |
| Others                | 0.0         | 0.1         | 0.1         | 0.0         | 0.2         | 0.6          | 0.5         | 0.1          | 0.1         | 2.9         | 1.7         | 1.3          | 7.7          | 0.9          |
| Scomberoides          | 0.0         | 0.0         | 0.3         | 0.2         | 1.1         | 2.2          | 0.5         | 1.3          | 1.3         | 0.4         | 0.7         | 0.9          | 9.1          | 1.0          |
| Shark and Ray         | 0.5         | 1.0         | 1.2         | 3.4         | 0.9         | 0.6          | 0.4         | 0.1          | 0.1         | 0.1         | 1.9         | 7.7          | 17.9         | 2.0          |
| Scads                 | 0.1         | 0.3         | 0.5         | 1.7         | 8.7         | 5.2          | 0.9         | 0.6          | 3.4         | 2.1         | 1.9         | 1.0          | 26.3         | 3.0          |
| <i>S. commerson</i>   | 2.8         | 1.9         | 3.8         | 2.6         | 9.6         | 11.0         | 5.5         | 0.1          | 2.5         | 5.7         | 11.0        | 21.3         | 77.9         | 8.7          |
| Scaridae              | 0.2         | 0.1         | 0.0         | 0.4         | 0.1         | 0.7          | 0.8         | 0.4          | 1.0         | 0.5         | 1.2         | 1.1          | 6.6          | 0.7          |
| Serranidae            | 6.5         | 4.6         | 9.8         | 8.9         | 8.3         | 9.4          | 8.6         | 9.2          | 13.1        | 11.2        | 11.7        | 13.3         | 114.6        | 12.8         |
| Siganidae             | 1.3         | 0.1         | 0.1         | 0.3         | 0.2         | 1.1          | 0.4         | 0.4          | 1.3         | 0.5         | 1.4         | 1.1          | 8.5          | 1.0          |
| Other Sparidae        | 0.4         | 0.3         | 0.4         | 0.2         | 0.4         | 1.0          | 0.8         | 2.9          | 0.6         | 0.5         | 2.2         | 1.4          | 11.0         | 1.2          |
| <b>Total (mt)</b>     | <b>32.7</b> | <b>19.6</b> | <b>33.6</b> | <b>45.7</b> | <b>76.4</b> | <b>106.5</b> | <b>91.6</b> | <b>108.4</b> | <b>99.8</b> | <b>90.6</b> | <b>84.0</b> | <b>103.3</b> | <b>892.4</b> | <b>100.0</b> |
| <b>Total (%)</b>      | <b>3.7</b>  | <b>2.2</b>  | <b>3.8</b>  | <b>5.1</b>  | <b>8.6</b>  | <b>11.9</b>  | <b>10.3</b> | <b>12.2</b>  | <b>11.2</b> | <b>10.2</b> | <b>9.4</b>  | <b>11.6</b>  | <b>100.0</b> |              |

**Table 8 (b) Total catch (tonnes) and species composition for launch landings at Al Sadar.**

|                       | JAN         | FEB         | MAR         | APR         | MAY         | JUN         | JUL         | AUG         | SEP         | OCT         | NOV         | DEC         | Tot. (mt)    | Tot. (%)     |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|
| <i>A. bifasciatus</i> | 0.6         | 0.1         | 0.3         | 0.0         | 0.0         | 0.3         | 0.6         | 0.5         | 0.8         | 0.2         | 0.2         | 1.1         | 4.6          | 0.8          |
| <i>A. Spinifer</i>    | 1.3         | 0.9         | 1.7         | 1.9         | 0.6         | 0.5         | 1.0         | 0.7         | 1.9         | 0.7         | 0.6         | 3.4         | 15.2         | 2.6          |
| Sphyraenidae          | 0.0         | 0.1         | 0.0         | 0.1         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.3          | 0.0          |
| Carangidae            | 0.9         | 0.9         | 0.7         | 4.3         | 6.1         | 14.5        | 14.3        | 13.9        | 16.3        | 14.6        | 8.5         | 9.3         | 104.3        | 18.0         |
| Clupeidae             | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0          | 0.0          |
| Gerridae              | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.1         | 0.0         | 0.0         | 0.0         | 0.0         | 0.1          | 0.0          |
| Haemulidae            | 1.6         | 0.9         | 1.2         | 1.4         | 1.5         | 3.6         | 2.8         | 5.6         | 5.9         | 5.0         | 2.6         | 3.0         | 35.1         | 6.1          |
| Lethrinidae           | 6.8         | 3.9         | 7.7         | 14.0        | 25.3        | 35.1        | 23.0        | 35.9        | 25.9        | 23.6        | 13.7        | 21.0        | 235.9        | 40.6         |
| Lutjanidae            | 0.2         | 0.0         | 0.0         | 0.2         | 0.1         | 0.3         | 0.6         | 1.2         | 1.6         | 1.2         | 0.6         | 0.1         | 6.0          | 1.0          |
| Mixed                 | 1.0         | 0.7         | 1.1         | 0.3         | 0.8         | 0.5         | 0.5         | 0.4         | 0.0         | 0.3         | 0.6         | 1.3         | 7.5          | 1.3          |
| Mugilidae             | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 2.7         | 0.0         | 2.7          | 0.5          |
| Nemipteridae          | 0.0         | 0.2         | 0.1         | 0.0         | 0.0         | 0.0         | 0.1         | 0.3         | 0.1         | 0.1         | 0.1         | 0.1         | 1.3          | 0.2          |
| Other demersals       | 0.0         | 0.1         | 0.1         | 0.6         | 0.7         | 0.1         | 0.3         | 1.6         | 0.6         | 0.8         | 1.2         | 1.3         | 7.4          | 1.3          |
| Other pelagics        | 0.4         | 0.7         | 0.1         | 0.8         | 0.8         | 0.7         | 0.8         | 0.2         | 0.3         | 0.0         | 1.5         | 0.7         | 6.9          | 1.2          |
| Others                | 0.0         | 0.0         | 0.0         | 0.0         | 0.2         | 0.5         | 0.2         | 0.1         | 0.1         | 0.1         | 1.1         | 0.6         | 2.9          | 0.5          |
| Scomberoides          | 0.0         | 0.0         | 0.0         | 0.0         | 0.3         | 1.8         | 0.1         | 0.4         | 0.5         | 0.1         | 0.0         | 0.1         | 3.3          | 0.6          |
| Shark and Ray         | 0.4         | 0.7         | 0.5         | 2.7         | 0.6         | 0.0         | 0.4         | 0.0         | 0.0         | 0.0         | 0.0         | 1.7         | 7.0          | 1.2          |
| Scads                 | 0.0         | 0.1         | 0.0         | 1.2         | 7.5         | 5.2         | 0.8         | 0.6         | 3.0         | 1.6         | 1.8         | 0.9         | 22.8         | 3.9          |
| <i>S. commerson</i>   | 0.3         | 0.0         | 0.0         | 0.2         | 0.1         | 0.0         | 0.0         | 0.0         | 0.0         | 0.5         | 0.3         | 1.4         | 2.9          | 0.5          |
| Scaridae              | 0.2         | 0.1         | 0.0         | 0.1         | 0.0         | 0.7         | 0.8         | 0.4         | 1.0         | 0.5         | 0.3         | 1.1         | 5.3          | 0.9          |
| Serranidae            | 4.9         | 4.4         | 9.7         | 8.8         | 7.5         | 9.0         | 8.4         | 8.9         | 11.9        | 10.1        | 9.7         | 12.6        | 105.8        | 18.2         |
| Siganidae             | 0.1         | 0.0         | 0.1         | 0.1         | 0.0         | 0.3         | 0.2         | 0.3         | 0.2         | 0.2         | 0.0         | 0.1         | 1.5          | 0.3          |
| Other Sparidae        | 0.3         | 0.3         | 0.3         | 0.2         | 0.0         | 0.1         | 0.1         | 0.0         | 0.0         | 0.0         | 0.0         | 0.3         | 1.6          | 0.3          |
| <b>Total (mt)</b>     | <b>19.2</b> | <b>14.1</b> | <b>23.5</b> | <b>36.9</b> | <b>52.2</b> | <b>73.0</b> | <b>54.9</b> | <b>71.1</b> | <b>70.1</b> | <b>59.7</b> | <b>45.5</b> | <b>60.2</b> | <b>580.5</b> | <b>100.0</b> |
| <b>Total (%)</b>      | <b>3.3</b>  | <b>2.4</b>  | <b>4.0</b>  | <b>6.4</b>  | <b>9.0</b>  | <b>12.6</b> | <b>9.5</b>  | <b>12.3</b> | <b>12.1</b> | <b>10.3</b> | <b>7.8</b>  | <b>10.4</b> | <b>100.0</b> |              |

**Table 8 (c) Total catch (tonnes) and species composition for tarad landings at Al Sadar.**

|                       | JAN         | FEB        | MAR         | APR        | MAY         | JUN         | JUL         | AUG         | SEP         | OCT         | NOV         | DEC         | Tot. (mt)    | Tot. (%)     |
|-----------------------|-------------|------------|-------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|
| <i>A. bifasciatus</i> | 0.2         | 0.0        | 0.0         | 0.0        | 0.0         | 0.1         | 0.1         | 0.3         | 0.3         | 0.0         | 0.2         | 0.1         | 1.3          | 0.4          |
| <i>A. Spinifer</i>    | 0.0         | 0.0        | 0.0         | 0.0        | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0          | 0.0          |
| Sphyraenidae          | 0.2         | 0.1        | 0.3         | 0.1        | 1.8         | 0.6         | 0.7         | 0.0         | 0.3         | 0.6         | 0.8         | 0.8         | 6.4          | 2.0          |
| Carangidae            | 3.4         | 1.2        | 1.0         | 1.3        | 3.8         | 2.6         | 12.6        | 17.8        | 8.4         | 7.5         | 9.7         | 1.5         | 70.8         | 22.7         |
| Clupeidae             | 0.0         | 0.0        | 0.0         | 0.0        | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0          | 0.0          |
| Gerridae              | 0.9         | 0.4        | 0.5         | 0.0        | 0.6         | 1.1         | 2.1         | 2.7         | 2.4         | 1.9         | 2.7         | 2.0         | 17.3         | 5.5          |
| Haemulidae            | 1.0         | 0.0        | 0.0         | 0.0        | 0.1         | 0.0         | 0.2         | 0.3         | 1.1         | 0.0         | 0.1         | 0.1         | 3.0          | 0.9          |
| Lethrinidae           | 2.0         | 0.6        | 1.4         | 0.5        | 1.3         | 10.0        | 7.8         | 7.5         | 6.5         | 3.5         | 2.8         | 6.0         | 49.9         | 16.0         |
| Lutjanidae            | 0.0         | 0.0        | 0.0         | 1.6        | 1.6         | 0.9         | 2.3         | 1.6         | 2.9         | 0.0         | 0.1         | 0.0         | 11.0         | 3.5          |
| Mixed                 | 0.1         | 0.0        | 0.1         | 0.2        | 0.1         | 0.1         | 0.1         | 0.1         | 0.0         | 0.2         | 0.5         | 0.6         | 2.1          | 0.7          |
| Mugilidae             | 0.0         | 0.0        | 0.0         | 0.0        | 0.2         | 0.9         | 0.3         | 0.2         | 0.3         | 2.2         | 0.1         | 0.0         | 4.2          | 1.3          |
| Nemipteridae          | 0.0         | 0.0        | 0.0         | 0.0        | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0          | 0.0          |
| Other demersals       | 0.1         | 0.2        | 0.2         | 0.2        | 0.7         | 0.1         | 0.1         | 0.0         | 0.0         | 0.4         | 0.5         | 0.4         | 2.9          | 0.9          |
| Other pelagics        | 0.1         | 0.1        | 1.1         | 0.1        | 0.7         | 2.8         | 3.1         | 2.5         | 0.9         | 3.6         | 0.5         | 1.1         | 16.7         | 5.3          |
| Others                | 0.0         | 0.0        | 0.0         | 0.0        | 0.1         | 0.1         | 0.3         | 0.0         | 0.0         | 2.8         | 0.7         | 0.7         | 4.9          | 1.6          |
| Scomberoides          | 0.0         | 0.0        | 0.3         | 0.2        | 0.9         | 0.5         | 0.4         | 0.9         | 0.7         | 0.4         | 0.7         | 0.8         | 5.7          | 1.8          |
| Shark and Ray         | 0.2         | 0.3        | 0.6         | 0.7        | 0.3         | 0.6         | 0.0         | 0.1         | 0.1         | 0.1         | 1.9         | 6.0         | 10.9         | 3.5          |
| Scads                 | 0.0         | 0.2        | 0.5         | 0.5        | 1.1         | 0.0         | 0.1         | 0.1         | 0.3         | 0.5         | 0.2         | 0.1         | 3.6          | 1.2          |
| <i>S. commerson</i>   | 2.5         | 1.9        | 3.8         | 2.4        | 9.5         | 11.0        | 5.5         | 0.1         | 2.5         | 5.1         | 10.7        | 19.9        | 74.9         | 24.0         |
| Scaridae              | 0.0         | 0.0        | 0.0         | 0.3        | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.9         | 0.0         | 1.3          | 0.4          |
| Serranidae            | 1.6         | 0.3        | 0.2         | 0.1        | 0.8         | 0.4         | 0.2         | 0.2         | 1.3         | 1.0         | 2.0         | 0.7         | 8.8          | 2.8          |
| Siganidae             | 1.3         | 0.1        | 0.1         | 0.3        | 0.2         | 0.9         | 0.2         | 0.1         | 1.1         | 0.3         | 1.4         | 1.0         | 7.0          | 2.2          |
| Other Sparidae        | 0.1         | 0.0        | 0.1         | 0.0        | 0.4         | 0.9         | 0.7         | 2.9         | 0.6         | 0.5         | 2.2         | 1.0         | 9.4          | 3.0          |
| <b>Total (mt)</b>     | <b>13.5</b> | <b>5.5</b> | <b>10.1</b> | <b>8.8</b> | <b>24.2</b> | <b>33.6</b> | <b>36.7</b> | <b>37.3</b> | <b>29.8</b> | <b>30.9</b> | <b>38.5</b> | <b>43.0</b> | <b>311.9</b> | <b>100.0</b> |
| <b>Total (%)</b>      | <b>4.3</b>  | <b>1.8</b> | <b>3.3</b>  | <b>2.8</b> | <b>7.8</b>  | <b>10.8</b> | <b>11.8</b> | <b>12.0</b> | <b>9.5</b>  | <b>9.9</b>  | <b>12.3</b> | <b>13.8</b> | <b>100.0</b> |              |

**Table 9 (a) Total catch (tonnes) and species composition for landings at Sila.**

|                       | JAN         | FEB         | MAR         | APR         | MAY         | JUN         | JUL         | AUG         | SEP        | OCT         | NOV         | DEC         | Tot. (mt)    | Tot. (%)     |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|-------------|-------------|-------------|--------------|--------------|
| <i>A. bifasciatus</i> | 0.0         | 7.0         | 0.1         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0         | 0.0         | 0.0         | 7.1          | 2.2          |
| <i>A. Spinifer</i>    | 0.0         | 0.4         | 0.2         | 0.0         | 0.2         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0         | 0.0         | 0.0         | 0.8          | 0.3          |
| Sphyraenidae          | 0.7         | 0.4         | 0.6         | 1.7         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0        | 0.1         | 0.1         | 0.6         | 4.2          | 1.3          |
| Carangidae            | 1.0         | 0.6         | 2.4         | 1.0         | 3.4         | 4.8         | 6.1         | 2.2         | 0.5        | 1.2         | 1.5         | 0.1         | 24.8         | 7.6          |
| Clupeidae             | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0         | 0.0         | 0.0         | 0.0          | 0.0          |
| Gerridae              | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0         | 0.0         | 0.0         | 0.0          | 0.0          |
| Haemulidae            | 2.6         | 1.3         | 0.8         | 1.9         | 1.8         | 6.3         | 8.0         | 5.4         | 1.9        | 6.1         | 6.2         | 3.8         | 46.2         | 14.1         |
| Lethrinidae           | 8.2         | 2.3         | 0.9         | 0.6         | 2.6         | 4.8         | 4.5         | 0.3         | 0.0        | 0.6         | 2.4         | 7.6         | 34.9         | 10.7         |
| Lutjanidae            | 0.0         | 0.0         | 11.9        | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0         | 0.0         | 0.0         | 11.9         | 3.6          |
| Mixed                 | 0.0         | 0.0         | 0.0         | 0.3         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0         | 0.0         | 0.0         | 0.3          | 0.1          |
| Mugilidae             | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0         | 0.0         | 0.0         | 0.0          | 0.0          |
| Nemipteridae          | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0         | 0.0         | 0.0         | 0.0          | 0.0          |
| Other demersals       | 0.0         | 0.3         | 1.0         | 0.5         | 0.3         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0         | 0.0         | 0.0         | 2.1          | 0.6          |
| Other pelagics        | 0.1         | 0.3         | 0.6         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0         | 0.0         | 0.1         | 1.1          | 0.3          |
| Others                | 0.0         | 0.1         | 0.1         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0         | 0.0         | 0.0         | 0.2          | 0.1          |
| Scomberoides          | 0.0         | 0.0         | 0.0         | 2.0         | 0.3         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0         | 0.0         | 0.1         | 2.4          | 0.7          |
| Shark and Ray         | 0.4         | 1.5         | 0.6         | 2.3         | 0.6         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0         | 0.0         | 0.0         | 5.3          | 1.6          |
| Scads                 | 0.0         | 0.0         | 0.0         | 0.0         | 0.1         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0         | 0.0         | 0.0         | 0.1          | 0.0          |
| <i>S. commerson</i>   | 35.3        | 32.9        | 14.3        | 5.0         | 0.4         | 0.0         | 0.0         | 0.0         | 0.0        | 0.4         | 0.0         | 35.9        | 124.1        | 37.9         |
| Scaridae              | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0         | 0.0         | 0.0         | 0.0          | 0.0          |
| Serranidae            | 7.1         | 2.2         | 1.6         | 1.2         | 4.5         | 5.0         | 9.0         | 7.1         | 5.2        | 8.7         | 8.4         | 1.7         | 61.8         | 18.9         |
| Siganidae             | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0         | 0.0         | 0.0         | 0.0          | 0.0          |
| Other Sparidae        | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0         | 0.0         | 0.0         | 0.0          | 0.0          |
| <b>Total (mt)</b>     | <b>55.4</b> | <b>49.1</b> | <b>35.1</b> | <b>16.6</b> | <b>14.3</b> | <b>21.0</b> | <b>27.6</b> | <b>15.0</b> | <b>7.7</b> | <b>17.0</b> | <b>18.6</b> | <b>49.8</b> | <b>327.3</b> | <b>100.0</b> |
| <b>Total (%)</b>      | <b>16.9</b> | <b>15.0</b> | <b>10.7</b> | <b>5.1</b>  | <b>4.4</b>  | <b>6.4</b>  | <b>8.4</b>  | <b>4.6</b>  | <b>2.4</b> | <b>5.2</b>  | <b>5.7</b>  | <b>15.2</b> | <b>100.0</b> |              |

**Table 9 (b) Total catch (tonnes) and species composition for launch landings at Sila.**

|                       | JAN        | FEB        | MAR        | APR        | MAY        | JUN         | JUL         | AUG        | SEP        | OCT        | NOV         | DEC         | Tot. (mt)    | Tot. (%)     |
|-----------------------|------------|------------|------------|------------|------------|-------------|-------------|------------|------------|------------|-------------|-------------|--------------|--------------|
| <i>A. bifasciatus</i> | 0.0        | 0.1        | 0.1        | 0.0        | 0.0        | 0.0         | 0.0         | 0.0        | 0.0        | 0.0        | 0.0         | 0.0         | 0.1          | 0.3          |
| <i>A. Spinifer</i>    | 0.0        | 0.3        | 0.2        | 0.0        | 0.0        | 0.0         | 0.0         | 0.0        | 0.0        | 0.0        | 0.0         | 0.0         | 0.6          | 1.0          |
| Sphyraenidae          | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0         | 0.0         | 0.0        | 0.0        | 0.1        | 0.1         | 0.2         | 0.3          | 0.6          |
| Carangidae            | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 1.2         | 1.2         | 0.8        | 0.0        | 0.2        | 0.3         | 0.0         | 3.6          | 6.6          |
| Clupeidae             | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0         | 0.0         | 0.0        | 0.0        | 0.0        | 0.0         | 0.0         | 0.0          | 0.0          |
| Gerridae              | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0         | 0.0         | 0.0        | 0.0        | 0.0        | 0.0         | 0.0         | 0.0          | 0.0          |
| Haemulidae            | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 4.1         | 3.0         | 2.3        | 0.7        | 2.3        | 3.1         | 0.0         | 15.5         | 28.2         |
| Lethrinidae           | 0.7        | 0.2        | 0.2        | 0.0        | 0.0        | 0.1         | 0.4         | 0.0        | 0.0        | 0.0        | 0.0         | 1.1         | 2.8          | 5.1          |
| Lutjanidae            | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0         | 0.0         | 0.0        | 0.0        | 0.0        | 0.0         | 0.0         | 0.0          | 0.0          |
| Mixed                 | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0         | 0.0         | 0.0        | 0.0        | 0.0        | 0.0         | 0.0         | 0.0          | 0.0          |
| Mugilidae             | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0         | 0.0         | 0.0        | 0.0        | 0.0        | 0.0         | 0.0         | 0.0          | 0.0          |
| Nemipteridae          | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0         | 0.0         | 0.0        | 0.0        | 0.0        | 0.0         | 0.0         | 0.0          | 0.0          |
| Other demersals       | 0.0        | 0.1        | 0.0        | 0.0        | 0.0        | 0.0         | 0.0         | 0.0        | 0.0        | 0.0        | 0.0         | 0.0         | 0.1          | 0.2          |
| Other pelagics        | 0.0        | 0.1        | 0.0        | 0.0        | 0.0        | 0.0         | 0.0         | 0.0        | 0.0        | 0.0        | 0.0         | 0.0         | 0.1          | 0.2          |
| Others                | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0         | 0.0         | 0.0        | 0.0        | 0.0        | 0.0         | 0.0         | 0.0          | 0.0          |
| Scomberoides          | 0.0        | 0.0        | 0.0        | 0.4        | 0.3        | 0.0         | 0.0         | 0.0        | 0.0        | 0.0        | 0.0         | 0.0         | 0.8          | 1.4          |
| Shark and Ray         | 0.0        | 0.1        | 0.0        | 0.7        | 0.6        | 0.0         | 0.0         | 0.0        | 0.0        | 0.0        | 0.0         | 0.0         | 1.4          | 2.5          |
| Scads                 | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0         | 0.0         | 0.0        | 0.0        | 0.0        | 0.0         | 0.0         | 0.0          | 0.0          |
| <i>S. commerson</i>   | 0.8        | 3.3        | 2.2        | 0.6        | 0.4        | 0.0         | 0.0         | 0.0        | 0.0        | 0.0        | 0.0         | 9.0         | 16.4         | 29.9         |
| Scaridae              | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0         | 0.0         | 0.0        | 0.0        | 0.0        | 0.0         | 0.0         | 0.0          | 0.0          |
| Serranidae            | 0.1        | 0.0        | 0.0        | 0.0        | 0.0        | 1.7         | 2.6         | 2.1        | 0.8        | 2.5        | 3.4         | 0.0         | 13.2         | 24.1         |
| Siganidae             | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0         | 0.0         | 0.0        | 0.0        | 0.0        | 0.0         | 0.0         | 0.0          | 0.0          |
| Other Sparidae        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0         | 0.0         | 0.0        | 0.0        | 0.0        | 0.0         | 0.0         | 0.0          | 0.0          |
| <b>Total (mt)</b>     | <b>1.6</b> | <b>4.1</b> | <b>2.8</b> | <b>1.8</b> | <b>1.3</b> | <b>7.2</b>  | <b>7.2</b>  | <b>5.1</b> | <b>1.5</b> | <b>5.1</b> | <b>6.8</b>  | <b>10.3</b> | <b>54.8</b>  | <b>100.0</b> |
| <b>Total (%)</b>      | <b>3.0</b> | <b>7.6</b> | <b>5.1</b> | <b>3.2</b> | <b>2.4</b> | <b>13.1</b> | <b>13.1</b> | <b>9.4</b> | <b>2.7</b> | <b>9.2</b> | <b>12.5</b> | <b>18.8</b> | <b>100.0</b> |              |

**Table 9 (c) Total catch (tonnes) and species composition for tarad landings at Sila.**

|                       | JAN         | FEB         | MAR         | APR         | MAY         | JUN         | JUL         | AUG        | SEP        | OCT         | NOV         | DEC         | Tot. (mt)    | Tot. (%)     |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|------------|-------------|-------------|-------------|--------------|--------------|
| <i>A. bifasciatus</i> | 0.0         | 6.9         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0        | 0.0         | 0.0         | 0.0         | 6.9          | 2.5          |
| <i>A. Spinifer</i>    | 0.0         | 0.0         | 0.0         | 0.0         | 0.2         | 0.0         | 0.0         | 0.0        | 0.0        | 0.0         | 0.0         | 0.0         | 0.3          | 0.1          |
| Sphyraenidae          | 0.7         | 0.4         | 0.6         | 1.7         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0        | 0.0         | 0.0         | 0.4         | 3.9          | 1.4          |
| Carangidae            | 1.0         | 0.6         | 2.4         | 1.0         | 3.4         | 3.6         | 4.9         | 1.4        | 0.5        | 1.0         | 1.2         | 0.1         | 21.1         | 7.8          |
| Clupeidae             | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0        | 0.0         | 0.0         | 0.0         | 0.0          | 0.0          |
| Gerridae              | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0        | 0.0         | 0.0         | 0.0         | 0.0          | 0.0          |
| Haemulidae            | 2.6         | 1.3         | 0.8         | 1.9         | 1.8         | 2.2         | 5.1         | 3.1        | 1.2        | 3.8         | 3.1         | 3.8         | 30.7         | 11.3         |
| Lethrinidae           | 7.5         | 2.0         | 0.8         | 0.6         | 2.6         | 4.7         | 4.1         | 0.3        | 0.0        | 0.6         | 2.4         | 6.5         | 32.1         | 11.8         |
| Lutjanidae            | 0.0         | 0.0         | 11.9        | 0.0         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0        | 0.0         | 0.0         | 0.0         | 11.9         | 4.4          |
| Mixed                 | 0.0         | 0.0         | 0.0         | 0.3         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0        | 0.0         | 0.0         | 0.0         | 0.3          | 0.1          |
| Mugilidae             | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0        | 0.0         | 0.0         | 0.0         | 0.0          | 0.0          |
| Nemipteridae          | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0        | 0.0         | 0.0         | 0.0         | 0.0          | 0.0          |
| Other demersals       | 0.0         | 0.2         | 1.0         | 0.5         | 0.3         | 0.0         | 0.0         | 0.0        | 0.0        | 0.0         | 0.0         | 0.0         | 2.0          | 0.7          |
| Other pelagics        | 0.1         | 0.3         | 0.5         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0        | 0.0         | 0.0         | 0.1         | 1.0          | 0.4          |
| Others                | 0.0         | 0.1         | 0.1         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0        | 0.0         | 0.0         | 0.0         | 0.2          | 0.1          |
| Scomberoides          | 0.0         | 0.0         | 0.0         | 1.6         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0        | 0.0         | 0.0         | 0.1         | 1.7          | 0.6          |
| Shark and Ray         | 0.4         | 1.4         | 0.5         | 1.6         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0        | 0.0         | 0.0         | 0.0         | 3.9          | 1.4          |
| Scads                 | 0.0         | 0.0         | 0.0         | 0.0         | 0.1         | 0.0         | 0.0         | 0.0        | 0.0        | 0.0         | 0.0         | 0.0         | 0.1          | 0.1          |
| <i>S. commerson</i>   | 34.5        | 29.6        | 12.0        | 4.4         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0        | 0.4         | 0.0         | 26.8        | 107.7        | 39.5         |
| Scaridae              | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0        | 0.0         | 0.0         | 0.0         | 0.0          | 0.0          |
| Serranidae            | 7.0         | 2.2         | 1.6         | 1.2         | 4.5         | 3.3         | 6.4         | 5.1        | 4.4        | 6.2         | 5.1         | 1.7         | 48.6         | 17.8         |
| Siganidae             | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0        | 0.0         | 0.0         | 0.0         | 0.0          | 0.0          |
| Other Sparidae        | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0        | 0.0         | 0.0         | 0.0         | 0.0          | 0.0          |
| <b>Total (mt)</b>     | <b>53.8</b> | <b>45.0</b> | <b>32.3</b> | <b>14.8</b> | <b>13.0</b> | <b>13.8</b> | <b>20.5</b> | <b>9.9</b> | <b>6.3</b> | <b>11.9</b> | <b>11.8</b> | <b>39.5</b> | <b>272.5</b> | <b>100.0</b> |
| <b>Total (%)</b>      | <b>19.7</b> | <b>16.5</b> | <b>11.8</b> | <b>5.4</b>  | <b>4.8</b>  | <b>5.1</b>  | <b>7.5</b>  | <b>3.6</b> | <b>2.3</b> | <b>4.4</b>  | <b>4.3</b>  | <b>14.5</b> | <b>100.0</b> |              |

**Table 10 (a) Total catch (tonnes) and species composition at Delma Is. and Jebel Dhana.**

|                       | JAN          | FEB         | MAR         | APR          | MAY          | JUN          | JUL         | AUG         | SEP         | OCT         | NOV         | DEC          | Tot. (mt)     | Tot. (%)     |
|-----------------------|--------------|-------------|-------------|--------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|--------------|---------------|--------------|
| <i>A. bifasciatus</i> | 1.5          | 2.0         | 1.8         | 1.2          | 0.8          | 0.1          | 0.4         | 0.4         | 0.1         | 0.0         | 0.0         | 0.3          | 8.6           | 0.7          |
| <i>A. Spinifer</i>    | 0.0          | 0.1         | 0.0         | 0.0          | 0.0          | 0.0          | 0.0         | 0.0         | 3.8         | 0.0         | 0.0         | 0.0          | 3.9           | 0.3          |
| Sphyraenidae          | 1.5          | 0.0         | 0.0         | 0.1          | 0.2          | 0.1          | 0.4         | 0.2         | 0.0         | 1.2         | 0.0         | 0.0          | 3.9           | 0.3          |
| Carangidae            | 5.4          | 6.9         | 1.8         | 4.2          | 8.9          | 9.2          | 9.1         | 12.8        | 11.7        | 1.5         | 3.5         | 0.1          | 75.1          | 5.8          |
| Clupeidae             | 0.0          | 0.0         | 0.0         | 0.0          | 0.0          | 0.0          | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0          | 0.0           | 0.0          |
| Gerridae              | 0.0          | 0.0         | 0.0         | 0.0          | 0.0          | 0.0          | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0          | 0.1           | 0.0          |
| Haemulidae            | 27.8         | 28.3        | 22.8        | 50.6         | 34.1         | 0.0          | 23.1        | 26.0        | 25.6        | 10.5        | 15.8        | 6.2          | 271.0         | 21.0         |
| Lethrinidae           | 68.2         | 22.0        | 19.2        | 27.4         | 40.2         | 37.2         | 22.6        | 18.6        | 2.7         | 65.8        | 22.5        | 16.1         | 362.3         | 28.0         |
| Lutjanidae            | 0.0          | 0.0         | 0.0         | 0.0          | 0.0          | 0.0          | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0          | 0.0           | 0.0          |
| Mixed                 | 0.3          | 0.9         | 0.2         | 1.0          | 1.3          | 0.7          | 0.1         | 0.1         | 0.0         | 0.0         | 0.2         | 0.0          | 4.6           | 0.4          |
| Mugilidae             | 0.0          | 0.0         | 0.0         | 0.0          | 0.0          | 0.0          | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0          | 0.0           | 0.0          |
| Nemipteridae          | 0.0          | 0.0         | 0.0         | 0.0          | 0.0          | 0.0          | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0          | 0.0           | 0.0          |
| Other demersals       | 0.0          | 0.0         | 0.0         | 0.1          | 0.6          | 0.0          | 0.0         | 0.1         | 0.0         | 0.0         | 0.0         | 0.0          | 0.9           | 0.1          |
| Other pelagics        | 0.7          | 0.0         | 0.0         | 1.1          | 0.8          | 0.1          | 0.0         | 0.1         | 0.0         | 0.0         | 0.1         | 0.0          | 3.0           | 0.2          |
| Others                | 0.0          | 0.0         | 0.1         | 0.0          | 0.0          | 0.0          | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0          | 0.1           | 0.0          |
| Scomberoides          | 0.0          | 0.0         | 0.0         | 0.8          | 1.2          | 0.0          | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0          | 2.0           | 0.2          |
| Shark and Ray         | 1.2          | 0.0         | 0.0         | 0.0          | 0.0          | 25.9         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0          | 27.0          | 2.1          |
| Scads                 | 0.2          | 0.0         | 0.0         | 1.9          | 4.4          | 5.2          | 2.9         | 0.1         | 0.0         | 0.0         | 0.0         | 0.0          | 14.8          | 1.1          |
| <i>S. commerson</i>   | 104.3        | 1.7         | 0.0         | 0.0          | 0.2          | 0.0          | 0.6         | 0.0         | 0.0         | 1.9         | 12.5        | 173.6        | 294.9         | 22.8         |
| Scaridae              | 0.1          | 0.0         | 0.0         | 0.0          | 0.0          | 0.0          | 0.0         | 0.1         | 0.0         | 0.0         | 0.0         | 0.0          | 0.3           | 0.0          |
| Serranidae            | 35.0         | 27.0        | 16.9        | 23.2         | 17.8         | 18.0         | 15.4        | 22.0        | 11.1        | 7.0         | 11.0        | 7.8          | 212.3         | 16.4         |
| Siganidae             | 0.0          | 0.0         | 0.0         | 0.0          | 0.0          | 0.0          | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.2          | 0.2           | 0.0          |
| Other Sparidae        | 0.1          | 0.7         | 0.3         | 0.1          | 0.1          | 5.1          | 0.1         | 0.0         | 0.4         | 0.0         | 0.1         | 0.1          | 7.1           | 0.5          |
| <b>Total (mt)</b>     | <b>246.3</b> | <b>89.8</b> | <b>63.2</b> | <b>111.7</b> | <b>110.6</b> | <b>101.5</b> | <b>74.7</b> | <b>80.6</b> | <b>55.3</b> | <b>88.0</b> | <b>65.9</b> | <b>204.5</b> | <b>1292.1</b> | <b>100.0</b> |
| <b>Total (%)</b>      | <b>19.1</b>  | <b>7.0</b>  | <b>4.9</b>  | <b>8.6</b>   | <b>8.6</b>   | <b>7.9</b>   | <b>5.8</b>  | <b>6.2</b>  | <b>4.3</b>  | <b>6.8</b>  | <b>5.1</b>  | <b>15.8</b>  | <b>100.0</b>  |              |

**Table 10 (b) Total catch (tonnes) for launch at Delma Is. and Jebel Dhana.**

|                       | JAN          | FEB         | MAR         | APR         | MAY         | JUN         | JUL         | AUG         | SEP         | OCT         | NOV         | DEC         | Tot. (mt)    | Tot. (%)     |
|-----------------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|
| <i>A. bifasciatus</i> | 1.5          | 2.0         | 0.9         | 1.1         | 0.7         | 0.1         | 0.4         | 0.4         | 0.1         | 0.0         | 0.0         | 0.3         | 7.6          | 0.9          |
| <i>A. Spinifer</i>    | 0.0          | 0.1         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 3.8         | 0.0         | 0.0         | 0.0         | 3.9          | 0.4          |
| Sphyraenidae          | 1.0          | 0.0         | 0.0         | 0.1         | 0.2         | 0.1         | 0.0         | 0.2         | 0.0         | 1.2         | 0.0         | 0.0         | 2.9          | 0.3          |
| Carangidae            | 5.2          | 6.0         | 1.8         | 3.6         | 8.3         | 8.1         | 8.6         | 9.3         | 11.7        | 1.5         | 3.4         | 0.1         | 67.8         | 7.8          |
| Clupeidae             | 0.0          | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0          | 0.0          |
| Gerridae              | 0.0          | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.1          | 0.0          |
| Haemulidae            | 27.8         | 28.3        | 21.4        | 37.0        | 20.0        | 0.0         | 22.0        | 20.6        | 19.9        | 10.5        | 12.9        | 6.2         | 226.6        | 26.1         |
| Lethrinidae           | 22.2         | 14.0        | 5.0         | 21.5        | 34.1        | 26.2        | 21.6        | 10.8        | 2.7         | 2.3         | 2.8         | 5.3         | 168.4        | 19.4         |
| Lutjanidae            | 0.0          | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0          | 0.0          |
| Mixed                 | 0.3          | 0.9         | 0.2         | 1.0         | 1.3         | 0.7         | 0.1         | 0.1         | 0.0         | 0.0         | 0.2         | 0.0         | 4.6          | 0.5          |
| Mugilidae             | 0.0          | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0          | 0.0          |
| Nemipteridae          | 0.0          | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0          | 0.0          |
| Other demersals       | 0.0          | 0.0         | 0.0         | 0.1         | 0.6         | 0.0         | 0.0         | 0.1         | 0.0         | 0.0         | 0.0         | 0.0         | 0.9          | 0.1          |
| Other pelagics        | 0.5          | 0.0         | 0.0         | 0.6         | 0.3         | 0.1         | 0.0         | 0.1         | 0.0         | 0.0         | 0.0         | 0.0         | 1.7          | 0.2          |
| Others                | 0.0          | 0.0         | 0.1         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.1          | 0.0          |
| Scomberoides          | 0.0          | 0.0         | 0.0         | 0.1         | 0.4         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.5          | 0.1          |
| Shark and Ray         | 1.2          | 0.0         | 0.0         | 0.0         | 0.0         | 22.0        | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 23.2         | 2.7          |
| Scads                 | 0.0          | 0.0         | 0.0         | 1.7         | 4.2         | 4.4         | 2.9         | 0.1         | 0.0         | 0.0         | 0.0         | 0.0         | 13.4         | 1.5          |
| <i>S. commerson</i>   | 81.6         | 1.7         | 0.0         | 0.0         | 0.2         | 0.0         | 0.0         | 0.0         | 0.0         | 1.9         | 4.2         | 77.6        | 167.2        | 19.2         |
| Scaridae              | 0.1          | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.1         | 0.0         | 0.0         | 0.0         | 0.0         | 0.3          | 0.0          |
| Serranidae            | 33.9         | 26.7        | 16.4        | 17.3        | 11.7        | 13.5        | 14.1        | 12.9        | 9.3         | 6.4         | 5.4         | 5.5         | 173.1        | 19.9         |
| Siganidae             | 0.0          | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.2         | 0.2          | 0.0          |
| Other Sparidae        | 0.1          | 0.7         | 0.3         | 0.1         | 0.1         | 4.8         | 0.1         | 0.0         | 0.4         | 0.0         | 0.1         | 0.1         | 6.7          | 0.8          |
| <b>Total (mt)</b>     | <b>175.5</b> | <b>80.7</b> | <b>46.1</b> | <b>84.2</b> | <b>82.2</b> | <b>79.9</b> | <b>69.7</b> | <b>54.7</b> | <b>47.9</b> | <b>23.8</b> | <b>29.1</b> | <b>95.4</b> | <b>869.3</b> | <b>100.0</b> |
| <b>Total (%)</b>      | <b>20.2</b>  | <b>9.3</b>  | <b>5.3</b>  | <b>9.7</b>  | <b>9.5</b>  | <b>9.2</b>  | <b>8.0</b>  | <b>6.3</b>  | <b>5.5</b>  | <b>2.7</b>  | <b>3.4</b>  | <b>11.0</b> | <b>100.0</b> |              |

**Table 10 (c) Total catch (tonnes) for tarad at Delma Is. and Jebel Dhana.**

|                       | JAN         | FEB        | MAR         | APR         | MAY         | JUN         | JUL        | AUG         | SEP        | OCT         | NOV         | DEC          | Tot. (mt)    | Tot. (%)     |
|-----------------------|-------------|------------|-------------|-------------|-------------|-------------|------------|-------------|------------|-------------|-------------|--------------|--------------|--------------|
| <i>A. bifasciatus</i> | 0.0         | 0.0        | 0.9         | 0.1         | 0.1         | 0.0         | 0.0        | 0.0         | 0.0        | 0.0         | 0.0         | 0.0          | 1.1          | 0.3          |
| <i>A. Spinifer</i>    | 0.0         | 0.0        | 0.0         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0         | 0.0        | 0.0         | 0.0         | 0.0          | 0.0          | 0.0          |
| Sphyraenidae          | 0.5         | 0.0        | 0.0         | 0.0         | 0.0         | 0.0         | 0.4        | 0.0         | 0.0        | 0.0         | 0.0         | 0.0          | 0.9          | 0.2          |
| Carangidae            | 0.2         | 0.9        | 0.0         | 0.6         | 0.6         | 1.1         | 0.4        | 3.5         | 0.0        | 0.0         | 0.1         | 0.0          | 7.3          | 1.7          |
| Clupeidae             | 0.0         | 0.0        | 0.0         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0         | 0.0        | 0.0         | 0.0         | 0.0          | 0.0          | 0.0          |
| Gerridae              | 0.0         | 0.0        | 0.0         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0         | 0.0        | 0.0         | 0.0         | 0.0          | 0.0          | 0.0          |
| Haemulidae            | 0.0         | 0.0        | 1.4         | 13.7        | 14.1        | 0.0         | 1.1        | 5.5         | 5.8        | 0.0         | 2.9         | 0.0          | 44.4         | 10.5         |
| Lethrinidae           | 46.0        | 8.0        | 14.3        | 5.8         | 6.0         | 11.0        | 1.0        | 7.7         | 0.0        | 63.6        | 19.6        | 10.8         | 193.9        | 45.9         |
| Lutjanidae            | 0.0         | 0.0        | 0.0         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0         | 0.0        | 0.0         | 0.0         | 0.0          | 0.0          | 0.0          |
| Mixed                 | 0.0         | 0.0        | 0.0         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0         | 0.0        | 0.0         | 0.0         | 0.0          | 0.0          | 0.0          |
| Mugilidae             | 0.0         | 0.0        | 0.0         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0         | 0.0        | 0.0         | 0.0         | 0.0          | 0.0          | 0.0          |
| Nemipteridae          | 0.0         | 0.0        | 0.0         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0         | 0.0        | 0.0         | 0.0         | 0.0          | 0.0          | 0.0          |
| Other demersals       | 0.0         | 0.0        | 0.0         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0         | 0.0        | 0.0         | 0.0         | 0.0          | 0.0          | 0.0          |
| Other pelagics        | 0.2         | 0.0        | 0.0         | 0.5         | 0.5         | 0.0         | 0.0        | 0.0         | 0.0        | 0.0         | 0.1         | 0.0          | 1.3          | 0.3          |
| Others                | 0.0         | 0.0        | 0.0         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0         | 0.0        | 0.0         | 0.0         | 0.0          | 0.0          | 0.0          |
| Scomberoides          | 0.0         | 0.0        | 0.0         | 0.7         | 0.7         | 0.0         | 0.0        | 0.0         | 0.0        | 0.0         | 0.0         | 0.0          | 1.4          | 0.3          |
| Shark and Ray         | 0.0         | 0.0        | 0.0         | 0.0         | 0.0         | 3.8         | 0.0        | 0.0         | 0.0        | 0.0         | 0.0         | 0.0          | 3.8          | 0.9          |
| Scads                 | 0.2         | 0.0        | 0.0         | 0.2         | 0.3         | 0.8         | 0.0        | 0.0         | 0.0        | 0.0         | 0.0         | 0.0          | 1.5          | 0.3          |
| <i>S. commerson</i>   | 22.7        | 0.0        | 0.0         | 0.0         | 0.0         | 0.0         | 0.6        | 0.0         | 0.0        | 0.0         | 8.3         | 96.0         | 127.6        | 30.2         |
| Scaridae              | 0.0         | 0.0        | 0.0         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0         | 0.0        | 0.0         | 0.0         | 0.0          | 0.0          | 0.0          |
| Serranidae            | 1.1         | 0.2        | 0.5         | 5.9         | 6.1         | 4.5         | 1.4        | 9.1         | 1.7        | 0.7         | 5.6         | 2.3          | 39.2         | 9.3          |
| Siganidae             | 0.0         | 0.0        | 0.0         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0         | 0.0        | 0.0         | 0.0         | 0.0          | 0.0          | 0.0          |
| Other Sparidae        | 0.0         | 0.0        | 0.0         | 0.0         | 0.0         | 0.4         | 0.0        | 0.0         | 0.0        | 0.0         | 0.0         | 0.0          | 0.4          | 0.1          |
| <b>Total (mt)</b>     | <b>70.8</b> | <b>9.1</b> | <b>17.0</b> | <b>27.5</b> | <b>28.4</b> | <b>21.6</b> | <b>5.0</b> | <b>25.8</b> | <b>7.5</b> | <b>64.2</b> | <b>36.7</b> | <b>109.1</b> | <b>422.8</b> | <b>100.0</b> |
| <b>Total (%)</b>      | <b>16.7</b> | <b>2.2</b> | <b>4.0</b>  | <b>6.5</b>  | <b>6.7</b>  | <b>5.1</b>  | <b>1.2</b> | <b>6.1</b>  | <b>1.8</b> | <b>15.2</b> | <b>8.7</b>  | <b>25.8</b>  | <b>100.0</b> |              |

**Table 11 Total catch (tonnes) and species composition for landings at Mirfa.**

|                       | JAN         | FEB         | MAR         | APR         | MAY         | JUN         | JUL         | AUG         | SEP        | OCT        | NOV         | DEC         | Tot. (mt)    | Tot. (%)     |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|------------|-------------|-------------|--------------|--------------|
| <i>A. bifasciatus</i> | 0.0         | 5.9         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0        | 0.0         | 0.0         | 5.9          | 1.5          |
| <i>A. Spinifer</i>    | 0.0         | 0.0         | 0.0         | 0.1         | 0.5         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0        | 0.0         | 0.0         | 0.6          | 0.2          |
| Sphyraenidae          | 0.9         | 0.4         | 0.6         | 4.9         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0        | 0.0         | 0.5         | 7.3          | 1.9          |
| Carangidae            | 1.3         | 0.5         | 2.7         | 2.9         | 7.6         | 6.3         | 10.9        | 4.2         | 0.7        | 0.8        | 1.2         | 0.1         | 39.2         | 10.1         |
| Clupeidae             | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0        | 0.0         | 0.0         | 0.0          | 0.0          |
| Gerridae              | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0        | 0.0         | 0.0         | 0.0          | 0.0          |
| Haemulidae            | 3.4         | 1.1         | 0.9         | 5.4         | 4.1         | 3.9         | 11.2        | 9.4         | 1.5        | 3.1        | 3.1         | 4.1         | 51.2         | 13.2         |
| Lethrinidae           | 9.7         | 1.7         | 0.8         | 1.7         | 6.0         | 8.3         | 9.0         | 0.8         | 0.1        | 0.5        | 2.4         | 7.0         | 48.1         | 12.4         |
| Lutjanidae            | 0.0         | 0.0         | 13.1        | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0        | 0.0         | 0.0         | 13.1         | 3.4          |
| Mixed                 | 0.0         | 0.0         | 0.0         | 0.9         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0        | 0.0         | 0.0         | 0.9          | 0.2          |
| Mugilidae             | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0        | 0.0         | 0.0         | 0.0          | 0.0          |
| Nemipteridae          | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0        | 0.0         | 0.0         | 0.0          | 0.0          |
| Other demersals       | 0.0         | 0.2         | 1.1         | 1.5         | 0.6         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0        | 0.0         | 0.0         | 3.4          | 0.9          |
| Other pelagics        | 0.2         | 0.2         | 0.6         | 0.1         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0        | 0.0         | 0.1         | 1.1          | 0.3          |
| Others                | 0.0         | 0.1         | 0.1         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0        | 0.0         | 0.0         | 0.2          | 0.0          |
| Scomberoides          | 0.0         | 0.0         | 0.0         | 4.6         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0        | 0.0         | 0.1         | 4.7          | 1.2          |
| Shark and Ray         | 0.5         | 1.2         | 0.6         | 4.5         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0        | 0.0         | 0.0         | 6.8          | 1.7          |
| Scads                 | 0.0         | 0.0         | 0.0         | 0.0         | 0.3         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0        | 0.0         | 0.0         | 0.3          | 0.1          |
| <i>S. commerson</i>   | 44.8        | 25.2        | 13.2        | 12.7        | 0.0         | 0.0         | 0.0         | 0.0         | 0.0        | 0.3        | 0.0         | 29.1        | 125.4        | 32.4         |
| Scaridae              | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0        | 0.0         | 0.0         | 0.0          | 0.0          |
| Serranidae            | 9.1         | 1.9         | 1.8         | 3.4         | 10.3        | 5.8         | 14.1        | 15.2        | 5.4        | 5.0        | 5.2         | 1.9         | 78.9         | 20.4         |
| Siganidae             | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0        | 0.0         | 0.0         | 0.0          | 0.0          |
| Other Sparidae        | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0        | 0.0        | 0.0         | 0.0         | 0.0          | 0.0          |
| <b>Total (mt)</b>     | <b>69.8</b> | <b>38.4</b> | <b>35.5</b> | <b>42.7</b> | <b>29.4</b> | <b>24.2</b> | <b>45.2</b> | <b>29.6</b> | <b>7.7</b> | <b>9.7</b> | <b>12.0</b> | <b>42.9</b> | <b>387.1</b> | <b>100.0</b> |
| <b>Total (%)</b>      | <b>18.0</b> | <b>9.9</b>  | <b>9.2</b>  | <b>11.0</b> | <b>7.6</b>  | <b>6.3</b>  | <b>11.7</b> | <b>7.6</b>  | <b>2.0</b> | <b>2.5</b> | <b>3.1</b>  | <b>11.1</b> | <b>100.0</b> |              |

**Table 12 (a) Total number of trips by site in the Emirate of Abu Dhabi.**

|                  | <b>Bateen</b> | <b>Delma &amp; Jebel Dhana</b> | <b>Free Port</b> | <b>Khor Al Azab</b> | <b>Mirfa</b> | <b>Sadar</b> | <b>Sila</b> | <b>Total no.</b> | <b>Total (%)</b> |
|------------------|---------------|--------------------------------|------------------|---------------------|--------------|--------------|-------------|------------------|------------------|
| <b>JAN</b>       | 236           | 413                            | 569              | 45                  | 587          | 89           | 491         | <b>2430</b>      | <b>9.9</b>       |
| <b>FEB</b>       | 140           | 205                            | 630              | 22                  | 406          | 45           | 534         | <b>1982</b>      | <b>8.1</b>       |
| <b>MAR</b>       | 130           | 217                            | 685              | 41                  | 358          | 88           | 364         | <b>1883</b>      | <b>7.7</b>       |
| <b>APR</b>       | 226           | 308                            | 625              | 39                  | 638          | 102          | 261         | <b>2199</b>      | <b>9.0</b>       |
| <b>MAY</b>       | 252           | 318                            | 619              | 80                  | 426          | 208          | 217         | <b>2120</b>      | <b>8.6</b>       |
| <b>JUN</b>       | 254           | 308                            | 544              | 89                  | 461          | 209          | 290         | <b>2155</b>      | <b>8.8</b>       |
| <b>JUL</b>       | 276           | 318                            | 504              | 65                  | 600          | 203          | 302         | <b>2267</b>      | <b>9.2</b>       |
| <b>AUG</b>       | 171           | 380                            | 584              | 51                  | 464          | 202          | 173         | <b>2025</b>      | <b>8.3</b>       |
| <b>SEPT</b>      | 128           | 272                            | 581              | 53                  | 157          | 196          | 150         | <b>1537</b>      | <b>6.3</b>       |
| <b>OCT</b>       | 109           | 316                            | 504              | 63                  | 156          | 225          | 217         | <b>1591</b>      | <b>6.5</b>       |
| <b>NOV</b>       | 104           | 273                            | 699              | 66                  | 186          | 285          | 218         | <b>1830</b>      | <b>7.5</b>       |
| <b>DEC</b>       | 221           | 440                            | 641              | 96                  | 377          | 282          | 434         | <b>2492</b>      | <b>10.2</b>      |
| <b>Total no.</b> | <b>2248</b>   | <b>3766</b>                    | <b>7185</b>      | <b>710</b>          | <b>4816</b>  | <b>2135</b>  | <b>3651</b> | <b>24511</b>     | <b>100.0</b>     |
| <b>Total (%)</b> | <b>9.2</b>    | <b>15.4</b>                    | <b>29.3</b>      | <b>2.9</b>          | <b>19.6</b>  | <b>8.7</b>   | <b>14.9</b> | <b>100.0</b>     |                  |

**Table 12 (b) Total number trips by site in Eastern Abu Dhabi.**

|                  | <b>Bateen</b> | <b>Free Port</b> | <b>Khor Al Azab</b> | <b>Sadar</b> | <b>Total no.</b> | <b>Total (%)</b> |
|------------------|---------------|------------------|---------------------|--------------|------------------|------------------|
| <b>JAN</b>       | 236           | 569              | 45                  | 89           | <b>939</b>       | <b>7.7</b>       |
| <b>FEB</b>       | 140           | 630              | 22                  | 45           | <b>837</b>       | <b>6.8</b>       |
| <b>MAR</b>       | 130           | 685              | 41                  | 88           | <b>944</b>       | <b>7.7</b>       |
| <b>APR</b>       | 226           | 625              | 39                  | 102          | <b>992</b>       | <b>8.1</b>       |
| <b>MAY</b>       | 252           | 619              | 80                  | 208          | <b>1159</b>      | <b>9.4</b>       |
| <b>JUN</b>       | 254           | 544              | 89                  | 209          | <b>1096</b>      | <b>8.9</b>       |
| <b>JUL</b>       | 276           | 504              | 65                  | 203          | <b>1047</b>      | <b>8.5</b>       |
| <b>AUG</b>       | 171           | 584              | 51                  | 202          | <b>1008</b>      | <b>8.2</b>       |
| <b>SEPT</b>      | 128           | 581              | 53                  | 196          | <b>958</b>       | <b>7.8</b>       |
| <b>OCT</b>       | 109           | 504              | 63                  | 225          | <b>902</b>       | <b>7.3</b>       |
| <b>NOV</b>       | 104           | 699              | 66                  | 285          | <b>1154</b>      | <b>9.4</b>       |
| <b>DEC</b>       | 221           | 641              | 96                  | 282          | <b>1241</b>      | <b>10.1</b>      |
| <b>Total no.</b> | <b>2248</b>   | <b>7185</b>      | <b>710</b>          | <b>2135</b>  | <b>12278</b>     | <b>100.0</b>     |
| <b>Total (%)</b> | <b>18.3</b>   | <b>58.5</b>      | <b>5.8</b>          | <b>17.4</b>  | <b>100.0</b>     |                  |

**Table 12 (c) Total number of trips by site in Western Abu Dhabi.**

|                  | <b>Delma &amp; Jebel Dhana</b> | <b>Mirfa</b> | <b>Sila</b> | <b>Total no.</b> | <b>Total (%)</b> |
|------------------|--------------------------------|--------------|-------------|------------------|------------------|
| <b>JAN</b>       | 413                            | 587          | 491         | <b>1491</b>      | <b>12.2</b>      |
| <b>FEB</b>       | 205                            | 406          | 534         | <b>1145</b>      | <b>9.4</b>       |
| <b>MAR</b>       | 217                            | 358          | 364         | <b>939</b>       | <b>7.7</b>       |
| <b>APR</b>       | 308                            | 638          | 261         | <b>1207</b>      | <b>9.9</b>       |
| <b>MAY</b>       | 318                            | 426          | 217         | <b>960</b>       | <b>7.9</b>       |
| <b>JUN</b>       | 308                            | 461          | 290         | <b>1059</b>      | <b>8.7</b>       |
| <b>JUL</b>       | 318                            | 600          | 302         | <b>1220</b>      | <b>10.0</b>      |
| <b>AUG</b>       | 380                            | 464          | 173         | <b>1017</b>      | <b>8.3</b>       |
| <b>SEPT</b>      | 272                            | 157          | 150         | <b>579</b>       | <b>4.7</b>       |
| <b>OCT</b>       | 316                            | 156          | 217         | <b>689</b>       | <b>5.6</b>       |
| <b>NOV</b>       | 273                            | 186          | 218         | <b>676</b>       | <b>5.5</b>       |
| <b>DEC</b>       | 440                            | 377          | 434         | <b>1251</b>      | <b>10.2</b>      |
| <b>Total no.</b> | <b>3766</b>                    | <b>4816</b>  | <b>3651</b> | <b>12233</b>     | <b>100.0</b>     |
| <b>Total (%)</b> | <b>30.8</b>                    | <b>39.4</b>  | <b>29.8</b> | <b>100.0</b>     |                  |

**Table 13 (a) Total number of launch trips by site in the Emirate of Abu Dhabi.**

|                  | <b>Bateen</b> | <b>Delma &amp; Jebel Dhana</b> | <b>Free Port</b> | <b>Khor Al Azab</b> | <b>Sadar</b> | <b>Sila</b> | <b>Total no.</b> | <b>Total (%)</b> |
|------------------|---------------|--------------------------------|------------------|---------------------|--------------|-------------|------------------|------------------|
| <b>JAN</b>       | 0             | 251                            | 463              | 0                   | 27           | 39          | <b>779</b>       | <b>9.6</b>       |
| <b>FEB</b>       | 0             | 145                            | 442              | 0                   | 15           | 58          | <b>658</b>       | <b>8.1</b>       |
| <b>MAR</b>       | 0             | 101                            | 504              | 0                   | 22           | 39          | <b>665</b>       | <b>8.2</b>       |
| <b>APR</b>       | 0             | 153                            | 519              | 0                   | 37           | 39          | <b>748</b>       | <b>9.2</b>       |
| <b>MAY</b>       | 0             | 158                            | 507              | 0                   | 59           | 29          | <b>753</b>       | <b>9.3</b>       |
| <b>JUN</b>       | 0             | 180                            | 459              | 0                   | 66           | 27          | <b>732</b>       | <b>9.0</b>       |
| <b>JUL</b>       | 0             | 186                            | 420              | 0                   | 54           | 31          | <b>691</b>       | <b>8.5</b>       |
| <b>AUG</b>       | 0             | 155                            | 472              | 0                   | 62           | 18          | <b>708</b>       | <b>8.7</b>       |
| <b>SEPT</b>      | 0             | 150                            | 383              | 0                   | 69           | 21          | <b>623</b>       | <b>7.7</b>       |
| <b>OCT</b>       | 0             | 99                             | 286              | 0                   | 64           | 26          | <b>476</b>       | <b>5.9</b>       |
| <b>NOV</b>       | 0             | 65                             | 474              | 0                   | 54           | 35          | <b>627</b>       | <b>7.7</b>       |
| <b>DEC</b>       | 0             | 112                            | 386              | 0                   | 62           | 87          | <b>646</b>       | <b>8.0</b>       |
| <b>Total no.</b> | <b>0</b>      | <b>1753</b>                    | <b>5315</b>      | <b>0</b>            | <b>590</b>   | <b>448</b>  | <b>8106</b>      | <b>100.0</b>     |
| <b>Total (%)</b> | <b>0.0</b>    | <b>21.6</b>                    | <b>65.6</b>      | <b>0.0</b>          | <b>7.3</b>   | <b>5.5</b>  | <b>100.0</b>     |                  |

**Table 13 (b) Total number of launch trips by site in Eastern Abu Dhabi.**

|                  | <b>Bateen</b> | <b>Free Port</b> | <b>Khor Al Azab</b> | <b>Sadar</b> | <b>Total no.</b> | <b>Total (%)</b> |
|------------------|---------------|------------------|---------------------|--------------|------------------|------------------|
| <b>JAN</b>       | 0             | 463              | 0                   | 27           | <b>490</b>       | <b>8.3</b>       |
| <b>FEB</b>       | 0             | 442              | 0                   | 15           | <b>456</b>       | <b>7.7</b>       |
| <b>MAR</b>       | 0             | 504              | 0                   | 22           | <b>526</b>       | <b>8.9</b>       |
| <b>APR</b>       | 0             | 519              | 0                   | 37           | <b>556</b>       | <b>9.4</b>       |
| <b>MAY</b>       | 0             | 507              | 0                   | 59           | <b>566</b>       | <b>9.6</b>       |
| <b>JUN</b>       | 0             | 459              | 0                   | 66           | <b>525</b>       | <b>8.9</b>       |
| <b>JUL</b>       | 0             | 420              | 0                   | 54           | <b>474</b>       | <b>8.0</b>       |
| <b>AUG</b>       | 0             | 472              | 0                   | 62           | <b>534</b>       | <b>9.1</b>       |
| <b>SEPT</b>      | 0             | 383              | 0                   | 69           | <b>452</b>       | <b>7.6</b>       |
| <b>OCT</b>       | 0             | 286              | 0                   | 64           | <b>351</b>       | <b>5.9</b>       |
| <b>NOV</b>       | 0             | 474              | 0                   | 54           | <b>527</b>       | <b>8.9</b>       |
| <b>DEC</b>       | 0             | 386              | 0                   | 62           | <b>448</b>       | <b>7.6</b>       |
| <b>Total no.</b> | <b>0</b>      | <b>5315</b>      | <b>0</b>            | <b>590</b>   | <b>5905</b>      | <b>100.0</b>     |
| <b>Total (%)</b> | <b>0.0</b>    | <b>90.0</b>      | <b>0.0</b>          | <b>10.0</b>  | <b>100.0</b>     |                  |

**Table 13 (c) Total number of launch landings by site in Western Abu Dhabi.**

|                  | <b>Delma &amp; Jebel Dhana</b> | <b>Sila</b> | <b>Total no.</b> | <b>Total (%)</b> |
|------------------|--------------------------------|-------------|------------------|------------------|
| <b>JAN</b>       | 251                            | 39          | <b>289</b>       | <b>13.1</b>      |
| <b>FEB</b>       | 145                            | 58          | <b>202</b>       | <b>9.2</b>       |
| <b>MAR</b>       | 101                            | 39          | <b>140</b>       | <b>6.3</b>       |
| <b>APR</b>       | 153                            | 39          | <b>192</b>       | <b>8.7</b>       |
| <b>MAY</b>       | 158                            | 29          | <b>187</b>       | <b>8.5</b>       |
| <b>JUN</b>       | 180                            | 27          | <b>207</b>       | <b>9.4</b>       |
| <b>JUL</b>       | 186                            | 31          | <b>217</b>       | <b>9.9</b>       |
| <b>AUG</b>       | 155                            | 18          | <b>173</b>       | <b>7.9</b>       |
| <b>SEPT</b>      | 150                            | 21          | <b>171</b>       | <b>7.8</b>       |
| <b>OCT</b>       | 99                             | 26          | <b>125</b>       | <b>5.7</b>       |
| <b>NOV</b>       | 65                             | 35          | <b>100</b>       | <b>4.5</b>       |
| <b>DEC</b>       | 112                            | 87          | <b>198</b>       | <b>9.0</b>       |
| <b>Total no.</b> | <b>1753</b>                    | <b>448</b>  | <b>2201</b>      | <b>100.0</b>     |
| <b>Total (%)</b> | <b>79.6</b>                    | <b>20.4</b> | <b>100.0</b>     |                  |

**Table 14 (a) Total number of tarad trips by site in the Emirate of Abu Dhabi.**

|                  | <b>Bateen</b> | <b>Delma &amp; Jebel Dhana</b> | <b>Free Port</b> | <b>Khor Al Azab</b> | <b>Mirfa</b> | <b>Sadar</b> | <b>Sila</b> | <b>Total no.</b> | <b>Total (%)</b> |
|------------------|---------------|--------------------------------|------------------|---------------------|--------------|--------------|-------------|------------------|------------------|
| <b>JAN</b>       | 236           | 163                            | 106              | 45                  | 587          | 62           | 452         | <b>1651</b>      | <b>10.1</b>      |
| <b>FEB</b>       | 140           | 61                             | 188              | 22                  | 406          | 31           | 476         | <b>1324</b>      | <b>8.1</b>       |
| <b>MAR</b>       | 130           | 116                            | 181              | 41                  | 358          | 67           | 326         | <b>1218</b>      | <b>7.4</b>       |
| <b>APR</b>       | 226           | 155                            | 106              | 39                  | 638          | 66           | 222         | <b>1451</b>      | <b>8.8</b>       |
| <b>MAY</b>       | 252           | 160                            | 111              | 80                  | 426          | 149          | 188         | <b>1367</b>      | <b>8.3</b>       |
| <b>JUN</b>       | 254           | 128                            | 86               | 89                  | 461          | 143          | 263         | <b>1423</b>      | <b>8.7</b>       |
| <b>JUL</b>       | 276           | 132                            | 84               | 65                  | 600          | 149          | 271         | <b>1576</b>      | <b>9.6</b>       |
| <b>AUG</b>       | 171           | 225                            | 112              | 51                  | 464          | 140          | 155         | <b>1317</b>      | <b>8.0</b>       |
| <b>SEPT</b>      | 128           | 122                            | 198              | 53                  | 157          | 128          | 129         | <b>914</b>       | <b>5.6</b>       |
| <b>OCT</b>       | 109           | 217                            | 218              | 63                  | 156          | 161          | 191         | <b>1116</b>      | <b>6.8</b>       |
| <b>NOV</b>       | 104           | 208                            | 225              | 66                  | 186          | 231          | 183         | <b>1203</b>      | <b>7.3</b>       |
| <b>DEC</b>       | 221           | 329                            | 255              | 96                  | 377          | 220          | 347         | <b>1846</b>      | <b>11.3</b>      |
| <b>Total no.</b> | <b>2248</b>   | <b>2013</b>                    | <b>1870</b>      | <b>710</b>          | <b>4816</b>  | <b>1546</b>  | <b>3202</b> | <b>16405</b>     | <b>100.0</b>     |
| <b>Total (%)</b> | <b>13.7</b>   | <b>12.3</b>                    | <b>11.4</b>      | <b>4.3</b>          | <b>29.4</b>  | <b>9.4</b>   | <b>19.5</b> | <b>100.0</b>     |                  |

**Table 14 (b) Total number of tarad trips by site in Eastern Abu Dhabi.**

|                  | <b>Bateen</b> | <b>Free Port</b> | <b>Khor Al Azab</b> | <b>Sadar</b> | <b>Total no.</b> | <b>Total (%)</b> |
|------------------|---------------|------------------|---------------------|--------------|------------------|------------------|
| <b>JAN</b>       | 236           | 106              | 45                  | 62           | <b>449</b>       | <b>7.1</b>       |
| <b>FEB</b>       | 140           | 188              | 22                  | 31           | <b>381</b>       | <b>6.0</b>       |
| <b>MAR</b>       | 130           | 181              | 41                  | 67           | <b>418</b>       | <b>6.6</b>       |
| <b>APR</b>       | 226           | 106              | 39                  | 66           | <b>436</b>       | <b>6.8</b>       |
| <b>MAY</b>       | 252           | 111              | 80                  | 149          | <b>593</b>       | <b>9.3</b>       |
| <b>JUN</b>       | 254           | 86               | 89                  | 143          | <b>571</b>       | <b>9.0</b>       |
| <b>JUL</b>       | 276           | 84               | 65                  | 149          | <b>573</b>       | <b>9.0</b>       |
| <b>AUG</b>       | 171           | 112              | 51                  | 140          | <b>474</b>       | <b>7.4</b>       |
| <b>SEPT</b>      | 128           | 198              | 53                  | 128          | <b>507</b>       | <b>8.0</b>       |
| <b>OCT</b>       | 109           | 218              | 63                  | 161          | <b>552</b>       | <b>8.7</b>       |
| <b>NOV</b>       | 104           | 225              | 66                  | 231          | <b>627</b>       | <b>9.8</b>       |
| <b>DEC</b>       | 221           | 255              | 96                  | 220          | <b>793</b>       | <b>12.4</b>      |
| <b>Total no.</b> | <b>2248</b>   | <b>1870</b>      | <b>710</b>          | <b>1546</b>  | <b>6374</b>      | <b>100.0</b>     |
| <b>Total (%)</b> | <b>35.3</b>   | <b>29.3</b>      | <b>11.1</b>         | <b>24.3</b>  | <b>100.0</b>     |                  |

**Table 14 (c) Total number of tarad trips by site in Western Abu Dhabi.**

|                  | <b>Delma &amp; Jebel Dhana</b> | <b>Mirfa</b> | <b>Sila</b> | <b>Total no.</b> | <b>Total (%)</b> |
|------------------|--------------------------------|--------------|-------------|------------------|------------------|
| <b>JAN</b>       | 163                            | 587          | 452         | <b>1202</b>      | <b>12.0</b>      |
| <b>FEB</b>       | 61                             | 406          | 476         | <b>943</b>       | <b>9.4</b>       |
| <b>MAR</b>       | 116                            | 358          | 326         | <b>800</b>       | <b>8.0</b>       |
| <b>APR</b>       | 155                            | 638          | 222         | <b>1015</b>      | <b>10.1</b>      |
| <b>MAY</b>       | 160                            | 426          | 188         | <b>774</b>       | <b>7.7</b>       |
| <b>JUN</b>       | 128                            | 461          | 263         | <b>852</b>       | <b>8.5</b>       |
| <b>JUL</b>       | 132                            | 600          | 271         | <b>1003</b>      | <b>10.0</b>      |
| <b>AUG</b>       | 225                            | 464          | 155         | <b>844</b>       | <b>8.4</b>       |
| <b>SEPT</b>      | 122                            | 157          | 129         | <b>408</b>       | <b>4.1</b>       |
| <b>OCT</b>       | 217                            | 156          | 191         | <b>564</b>       | <b>5.6</b>       |
| <b>NOV</b>       | 208                            | 186          | 183         | <b>576</b>       | <b>5.7</b>       |
| <b>DEC</b>       | 329                            | 377          | 347         | <b>1053</b>      | <b>10.5</b>      |
| <b>Total no.</b> | <b>2013</b>                    | <b>4816</b>  | <b>3202</b> | <b>10032</b>     | <b>100.0</b>     |
| <b>Total (%)</b> | <b>20.1</b>                    | <b>48.0</b>  | <b>31.9</b> | <b>100</b>       |                  |

**Table 15 (a) Mean daily landings by site in the Emirate of Abu Dhabi.**

|             | <b>Bateen</b> | <b>Delma &amp; Jebel Dhana</b> | <b>Free Port</b> | <b>Khor Al Azab</b> | <b>Mirfa</b> | <b>Sadar</b> | <b>Sila</b> | <b>Total</b> |
|-------------|---------------|--------------------------------|------------------|---------------------|--------------|--------------|-------------|--------------|
| <b>JAN</b>  | 7.6           | 13.3                           | 18.4             | 1.5                 | 19.0         | 2.9          | 15.8        | <b>78.5</b>  |
| <b>FEB</b>  | 5.0           | 7.3                            | 22.5             | 0.8                 | 14.5         | 1.6          | 19.1        | <b>70.9</b>  |
| <b>MAR</b>  | 4.2           | 7.0                            | 22.1             | 1.3                 | 11.6         | 2.8          | 11.8        | <b>60.8</b>  |
| <b>APR</b>  | 7.5           | 10.3                           | 20.8             | 1.3                 | 21.3         | 3.4          | 8.7         | <b>73.4</b>  |
| <b>MAY</b>  | 8.2           | 10.3                           | 20.0             | 2.6                 | 13.8         | 6.7          | 7.0         | <b>68.4</b>  |
| <b>JUN</b>  | 8.5           | 10.3                           | 18.1             | 3.0                 | 15.4         | 7.0          | 9.7         | <b>71.9</b>  |
| <b>JUL</b>  | 8.9           | 10.3                           | 16.3             | 2.1                 | 19.4         | 6.5          | 9.8         | <b>73.2</b>  |
| <b>AUG</b>  | 5.5           | 12.3                           | 18.8             | 1.6                 | 15.0         | 6.5          | 5.6         | <b>65.4</b>  |
| <b>SEPT</b> | 4.3           | 9.1                            | 19.4             | 1.8                 | 5.3          | 6.5          | 5.0         | <b>51.3</b>  |
| <b>OCT</b>  | 3.5           | 10.2                           | 16.3             | 2.0                 | 5.0          | 7.3          | 7.0         | <b>51.4</b>  |
| <b>NOV</b>  | 3.5           | 9.1                            | 23.3             | 2.2                 | 6.2          | 9.5          | 7.3         | <b>61.0</b>  |
| <b>DEC</b>  | 7.2           | 14.2                           | 20.7             | 3.1                 | 12.2         | 9.1          | 14.0        | <b>80.4</b>  |
| <b>Mean</b> | <b>6.2</b>    | <b>10.3</b>                    | <b>19.7</b>      | <b>1.9</b>          | <b>13.2</b>  | <b>5.8</b>   | <b>10.0</b> |              |

**Table 15 (b) Mean daily landings by site in Eastern Abu Dhabi.**

|             | <b>Bateen</b> | <b>Free Port</b> | <b>Khor Al Azab</b> | <b>Sadar</b> | <b>Total</b> |
|-------------|---------------|------------------|---------------------|--------------|--------------|
| <b>JAN</b>  | 7.6           | 18.4             | 1.5                 | 2.9          | <b>30.3</b>  |
| <b>FEB</b>  | 5.0           | 22.5             | 0.8                 | 1.6          | <b>29.9</b>  |
| <b>MAR</b>  | 4.2           | 22.1             | 1.3                 | 2.8          | <b>30.5</b>  |
| <b>APR</b>  | 7.5           | 20.8             | 1.3                 | 3.4          | <b>33.1</b>  |
| <b>MAY</b>  | 8.2           | 20.0             | 2.6                 | 6.7          | <b>37.4</b>  |
| <b>JUN</b>  | 8.5           | 18.1             | 3.0                 | 7.0          | <b>36.6</b>  |
| <b>JUL</b>  | 8.9           | 16.3             | 2.1                 | 6.5          | <b>33.8</b>  |
| <b>AUG</b>  | 5.5           | 18.8             | 1.6                 | 6.5          | <b>32.5</b>  |
| <b>SEPT</b> | 4.3           | 19.4             | 1.8                 | 6.5          | <b>32.0</b>  |
| <b>OCT</b>  | 3.5           | 16.3             | 2.0                 | 7.3          | <b>29.1</b>  |
| <b>NOV</b>  | 3.5           | 23.3             | 2.2                 | 9.5          | <b>38.5</b>  |
| <b>DEC</b>  | 7.2           | 20.7             | 3.1                 | 9.1          | <b>40.0</b>  |
| <b>Mean</b> | <b>6.2</b>    | <b>19.7</b>      | <b>1.9</b>          | <b>5.8</b>   |              |

**Table 15 (c) Mean daily landings by site in Western Abu Dhabi.**

|             | <b>Delma &amp; Jebel Dhana</b> | <b>Mirfa</b> | <b>Sila</b> | <b>Total</b> |
|-------------|--------------------------------|--------------|-------------|--------------|
| <b>JAN</b>  | 13.3                           | 19.0         | 15.8        | <b>48.1</b>  |
| <b>FEB</b>  | 7.3                            | 14.5         | 19.1        | <b>40.9</b>  |
| <b>MAR</b>  | 7.0                            | 11.6         | 11.8        | <b>30.3</b>  |
| <b>APR</b>  | 10.3                           | 21.3         | 8.7         | <b>40.3</b>  |
| <b>MAY</b>  | 10.3                           | 13.8         | 7.0         | <b>31.0</b>  |
| <b>JUN</b>  | 10.3                           | 15.4         | 9.7         | <b>35.3</b>  |
| <b>JUL</b>  | 10.3                           | 19.4         | 9.8         | <b>39.4</b>  |
| <b>AUG</b>  | 12.3                           | 15.0         | 5.6         | <b>32.9</b>  |
| <b>SEPT</b> | 9.1                            | 5.3          | 5.0         | <b>19.3</b>  |
| <b>OCT</b>  | 10.2                           | 5.0          | 7.0         | <b>22.2</b>  |
| <b>NOV</b>  | 9.1                            | 6.2          | 7.3         | <b>22.5</b>  |
| <b>DEC</b>  | 14.2                           | 12.2         | 14.0        | <b>40.4</b>  |
| <b>Mean</b> | <b>10.3</b>                    | <b>13.2</b>  | <b>10.0</b> |              |

**Table 16 (a) Mean daily launch landings by site in the Emirate of Abu Dhabi.**

|             | <b>Delma &amp; Jebel Dhana</b> | <b>Free Port</b> | <b>Sadar</b> | <b>Sila</b> | <b>Total</b> |
|-------------|--------------------------------|------------------|--------------|-------------|--------------|
| <b>JAN</b>  | 8.1                            | 14.9             | 0.9          | 1.3         | <b>25.1</b>  |
| <b>FEB</b>  | 5.2                            | 15.8             | 0.5          | 2.1         | <b>23.5</b>  |
| <b>MAR</b>  | 3.3                            | 16.3             | 0.7          | 1.3         | <b>21.5</b>  |
| <b>APR</b>  | 5.1                            | 17.3             | 1.2          | 1.3         | <b>24.9</b>  |
| <b>MAY</b>  | 5.1                            | 16.4             | 1.9          | 0.9         | <b>24.3</b>  |
| <b>JUN</b>  | 6.0                            | 15.3             | 2.2          | 0.9         | <b>24.4</b>  |
| <b>JUL</b>  | 6.0                            | 13.5             | 1.8          | 1.0         | <b>22.3</b>  |
| <b>AUG</b>  | 5.0                            | 15.2             | 2.0          | 0.6         | <b>22.8</b>  |
| <b>SEPT</b> | 5.0                            | 12.8             | 2.3          | 0.7         | <b>20.8</b>  |
| <b>OCT</b>  | 3.2                            | 9.2              | 2.1          | 0.8         | <b>15.3</b>  |
| <b>NOV</b>  | 2.2                            | 15.8             | 1.8          | 1.2         | <b>20.9</b>  |
| <b>DEC</b>  | 3.6                            | 12.4             | 2.0          | 2.8         | <b>20.8</b>  |
| <b>Mean</b> | <b>4.8</b>                     | <b>14.6</b>      | <b>1.6</b>   | <b>1.2</b>  |              |

**Table 16 (b) Mean daily launch landings by site in Eastern Abu Dhabi.**

|             | <b>Free Port</b> | <b>Sadar</b> | <b>Total</b> |
|-------------|------------------|--------------|--------------|
| <b>JAN</b>  | 14.9             | 0.9          | <b>15.8</b>  |
| <b>FEB</b>  | 15.8             | 0.5          | <b>16.3</b>  |
| <b>MAR</b>  | 16.3             | 0.7          | <b>17.0</b>  |
| <b>APR</b>  | 17.3             | 1.2          | <b>18.5</b>  |
| <b>MAY</b>  | 16.4             | 1.9          | <b>18.3</b>  |
| <b>JUN</b>  | 15.3             | 2.2          | <b>17.5</b>  |
| <b>JUL</b>  | 13.5             | 1.8          | <b>15.3</b>  |
| <b>AUG</b>  | 15.2             | 2.0          | <b>17.2</b>  |
| <b>SEPT</b> | 12.8             | 2.3          | <b>15.1</b>  |
| <b>OCT</b>  | 9.2              | 2.1          | <b>11.3</b>  |
| <b>NOV</b>  | 15.8             | 1.8          | <b>17.6</b>  |
| <b>DEC</b>  | 12.4             | 2.0          | <b>14.4</b>  |
| <b>Mean</b> | <b>14.6</b>      | <b>1.6</b>   | <b>16.2</b>  |

**Table 16 (c) Mean daily launch landings by site in Western Abu Dhabi.**

|             | <b>Delma &amp; Jebel Dhana</b> | <b>Sila</b> | <b>Total</b> |
|-------------|--------------------------------|-------------|--------------|
| <b>JAN</b>  | 8.1                            | 1.3         | <b>9.3</b>   |
| <b>FEB</b>  | 5.2                            | 2.1         | <b>7.2</b>   |
| <b>MAR</b>  | 3.3                            | 1.3         | <b>4.5</b>   |
| <b>APR</b>  | 5.1                            | 1.3         | <b>6.4</b>   |
| <b>MAY</b>  | 5.1                            | 0.9         | <b>6.0</b>   |
| <b>JUN</b>  | 6.0                            | 0.9         | <b>6.9</b>   |
| <b>JUL</b>  | 6.0                            | 1.0         | <b>7.0</b>   |
| <b>AUG</b>  | 5.0                            | 0.6         | <b>5.6</b>   |
| <b>SEPT</b> | 5.0                            | 0.7         | <b>5.7</b>   |
| <b>OCT</b>  | 3.2                            | 0.8         | <b>4.0</b>   |
| <b>NOV</b>  | 2.2                            | 1.2         | <b>3.3</b>   |
| <b>DEC</b>  | 3.6                            | 2.8         | <b>6.4</b>   |
| <b>Mean</b> | <b>4.8</b>                     | <b>1.2</b>  | <b>6.0</b>   |

**Table 17 (a) Mean daily tarad landings by site in the Emirate of Abu Dhabi.**

|             | <b>Bateen</b> | <b>Delma &amp; Jebel Dhana</b> | <b>Free Port</b> | <b>Khor Al Azab</b> | <b>Mirfa</b> | <b>Sadar</b> | <b>Sila</b> | <b>Total</b> |
|-------------|---------------|--------------------------------|------------------|---------------------|--------------|--------------|-------------|--------------|
| <b>JAN</b>  | 7.6           | 5.3                            | 3.4              | 1.5                 | 19.0         | 2.0          | 14.6        | <b>53.3</b>  |
| <b>FEB</b>  | 5.0           | 2.2                            | 6.7              | 0.8                 | 14.5         | 1.1          | 17.0        | <b>47.3</b>  |
| <b>MAR</b>  | 4.2           | 3.8                            | 5.8              | 1.3                 | 11.6         | 2.2          | 10.5        | <b>39.3</b>  |
| <b>APR</b>  | 7.5           | 5.2                            | 3.5              | 1.3                 | 21.3         | 2.2          | 7.4         | <b>48.5</b>  |
| <b>MAY</b>  | 8.2           | 5.2                            | 3.6              | 2.6                 | 13.8         | 4.8          | 6.1         | <b>44.2</b>  |
| <b>JUN</b>  | 8.5           | 4.3                            | 2.9              | 3.0                 | 15.4         | 4.8          | 8.8         | <b>47.5</b>  |
| <b>JUL</b>  | 8.9           | 4.3                            | 2.7              | 2.1                 | 19.4         | 4.8          | 8.8         | <b>50.9</b>  |
| <b>AUG</b>  | 5.5           | 7.3                            | 3.6              | 1.6                 | 15.0         | 4.5          | 5.0         | <b>42.6</b>  |
| <b>SEPT</b> | 4.3           | 4.1                            | 6.6              | 1.8                 | 5.3          | 4.3          | 4.3         | <b>30.5</b>  |
| <b>OCT</b>  | 3.5           | 7.0                            | 7.0              | 2.0                 | 5.0          | 5.2          | 6.2         | <b>36.0</b>  |
| <b>NOV</b>  | 3.5           | 6.9                            | 7.5              | 2.2                 | 6.2          | 7.7          | 6.1         | <b>40.1</b>  |
| <b>DEC</b>  | 7.2           | 10.6                           | 8.2              | 3.1                 | 12.2         | 7.1          | 11.2        | <b>59.6</b>  |
| <b>Mean</b> | <b>6.2</b>    | <b>5.5</b>                     | <b>5.1</b>       | <b>1.9</b>          | <b>13.2</b>  | <b>4.2</b>   | <b>8.8</b>  |              |

**Table 17 (b) Mean daily tarad landings by site in Eastern Abu Dhabi.**

|             | <b>Bateen</b> | <b>Free Port</b> | <b>Khor Al Azab</b> | <b>Sadar</b> | <b>Total</b> |
|-------------|---------------|------------------|---------------------|--------------|--------------|
| <b>JAN</b>  | 7.6           | 3.4              | 1.5                 | 2.0          | <b>14.5</b>  |
| <b>FEB</b>  | 5.0           | 6.7              | 0.8                 | 1.1          | <b>13.6</b>  |
| <b>MAR</b>  | 4.2           | 5.8              | 1.3                 | 2.2          | <b>13.5</b>  |
| <b>APR</b>  | 7.5           | 3.5              | 1.3                 | 2.2          | <b>14.6</b>  |
| <b>MAY</b>  | 8.2           | 3.6              | 2.6                 | 4.8          | <b>19.2</b>  |
| <b>JUN</b>  | 8.5           | 2.9              | 3.0                 | 4.8          | <b>19.1</b>  |
| <b>JUL</b>  | 8.9           | 2.7              | 2.1                 | 4.8          | <b>18.5</b>  |
| <b>AUG</b>  | 5.5           | 3.6              | 1.6                 | 4.5          | <b>15.3</b>  |
| <b>SEPT</b> | 4.3           | 6.6              | 1.8                 | 4.3          | <b>16.9</b>  |
| <b>OCT</b>  | 3.5           | 7.0              | 2.0                 | 5.2          | <b>17.8</b>  |
| <b>NOV</b>  | 3.5           | 7.5              | 2.2                 | 7.7          | <b>20.9</b>  |
| <b>DEC</b>  | 7.2           | 8.2              | 3.1                 | 7.1          | <b>25.6</b>  |
| <b>Mean</b> | <b>6.2</b>    | <b>5.1</b>       | <b>1.9</b>          | <b>4.2</b>   |              |

**Table 17 (c) Mean daily tarad landings by site in Western Abu Dhabi.**

|             | <b>Delma &amp; Jebel Dhana</b> | <b>Mirfa</b> | <b>Sila</b> | <b>Total</b> |
|-------------|--------------------------------|--------------|-------------|--------------|
| <b>JAN</b>  | 5.3                            | 19.0         | 14.6        | <b>38.8</b>  |
| <b>FEB</b>  | 2.2                            | 14.5         | 17.0        | <b>33.7</b>  |
| <b>MAR</b>  | 3.8                            | 11.6         | 10.5        | <b>25.8</b>  |
| <b>APR</b>  | 5.2                            | 21.3         | 7.4         | <b>33.9</b>  |
| <b>MAY</b>  | 5.2                            | 13.8         | 6.1         | <b>25.0</b>  |
| <b>JUN</b>  | 4.3                            | 15.4         | 8.8         | <b>28.4</b>  |
| <b>JUL</b>  | 4.3                            | 19.4         | 8.8         | <b>32.4</b>  |
| <b>AUG</b>  | 7.3                            | 15.0         | 5.0         | <b>27.3</b>  |
| <b>SEPT</b> | 4.1                            | 5.3          | 4.3         | <b>13.6</b>  |
| <b>OCT</b>  | 7.0                            | 5.0          | 6.2         | <b>18.2</b>  |
| <b>NOV</b>  | 6.9                            | 6.2          | 6.1         | <b>19.2</b>  |
| <b>DEC</b>  | 10.6                           | 12.2         | 11.2        | <b>34.0</b>  |
| <b>Mean</b> | <b>5.5</b>                     | <b>13.2</b>  | <b>8.8</b>  |              |

**Table 18 (a) CPUE (kg/trip) for launch in the Emirate of Abu Dhabi.**

|                        | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   | Mean  | (%)  |
|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| <i>A. bifasciatus</i>  | 14.8  | 7.6   | 12.1  | 1.5   | 0.9   | 3.9   | 7.9   | 6.5   | 8.3   | 2.5   | 3.0   | 12.4  | 6.8   | 0.8  |
| <i>A. Spinifer</i>     | 31.4  | 42.2  | 62.3  | 39.1  | 8.1   | 5.0   | 12.1  | 8.6   | 26.5  | 7.8   | 8.9   | 38.4  | 24.2  | 2.9  |
| <b>Sphyraenidae</b>    | 1.3   | 5.7   | 0.0   | 1.9   | 0.8   | 0.1   | 0.0   | 0.3   | 0.0   | 2.8   | 0.1   | 0.3   | 1.1   | 0.1  |
| <b>Carangidae</b>      | 27.9  | 53.8  | 27.1  | 92.1  | 89.2  | 169.4 | 195.2 | 183.4 | 190.1 | 170.6 | 140.0 | 104.7 | 120.3 | 14.6 |
| <b>Clupeidae</b>       | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  |
| <b>Gerridae</b>        | 0.0   | 0.0   | 0.2   | 0.0   | 0.1   | 0.0   | 0.0   | 1.8   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.0  |
| <b>Haemulidae</b>      | 72.2  | 83.8  | 75.2  | 78.4  | 45.7  | 44.4  | 71.7  | 100.9 | 95.5  | 84.0  | 66.9  | 43.5  | 71.9  | 8.7  |
| <b>Lethrinidae</b>     | 188.8 | 207.7 | 288.6 | 314.2 | 369.7 | 414.8 | 322.6 | 452.7 | 277.6 | 274.6 | 219.9 | 244.3 | 298.0 | 36.2 |
| <b>Lutjanidae</b>      | 5.6   | 1.2   | 0.3   | 3.6   | 1.5   | 2.9   | 7.0   | 14.7  | 16.4  | 14.2  | 8.7   | 0.9   | 6.4   | 0.8  |
| <b>Mixed</b>           | 23.8  | 36.7  | 40.4  | 6.8   | 12.2  | 6.5   | 5.9   | 4.4   | 0.0   | 3.6   | 10.4  | 14.7  | 13.8  | 1.7  |
| <b>Mugilidae</b>       | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 41.7  | 0.0   | 3.5   | 0.4  |
| <b>Nemipteridae</b>    | 0.5   | 8.7   | 4.7   | 0.8   | 0.0   | 0.0   | 1.7   | 3.6   | 1.3   | 1.6   | 1.3   | 1.6   | 2.1   | 0.3  |
| <b>Other demersals</b> | 0.0   | 4.6   | 4.4   | 13.3  | 9.7   | 1.2   | 3.3   | 19.2  | 6.3   | 8.7   | 19.5  | 14.3  | 8.7   | 1.1  |
| <b>Other pelagics</b>  | 10.2  | 31.1  | 2.4   | 16.0  | 10.2  | 7.4   | 9.8   | 3.1   | 3.4   | 0.4   | 22.9  | 8.3   | 10.4  | 1.3  |
| <b>Others</b>          | 0.8   | 1.9   | 1.3   | 0.0   | 2.0   | 5.2   | 2.7   | 0.8   | 1.0   | 0.9   | 16.9  | 6.7   | 3.3   | 0.4  |
| <b>Scomberoides</b>    | 0.0   | 0.0   | 0.0   | 0.7   | 4.6   | 18.9  | 1.9   | 5.1   | 5.7   | 0.8   | 0.0   | 1.5   | 3.3   | 0.4  |
| <b>Shark and Ray</b>   | 10.3  | 32.6  | 19.1  | 56.2  | 8.6   | 30.1  | 5.0   | 0.0   | 0.0   | 0.0   | 0.0   | 19.0  | 15.1  | 1.8  |
| <b>Scads</b>           | 1.0   | 3.4   | 0.0   | 26.2  | 102.5 | 62.3  | 15.0  | 7.1   | 31.9  | 18.5  | 27.7  | 9.9   | 25.4  | 3.1  |
| <i>S. commerson</i>    | 113.7 | 7.6   | 3.6   | 5.3   | 1.8   | 0.0   | 0.2   | 0.0   | 0.0   | 9.9   | 12.0  | 149.9 | 25.3  | 3.1  |
| <b>Scaridae</b>        | 5.7   | 5.3   | 0.6   | 2.5   | 0.5   | 7.2   | 10.4  | 4.9   | 10.1  | 6.1   | 5.2   | 12.1  | 5.9   | 0.7  |
| <b>Serranidae</b>      | 158.6 | 247.0 | 379.1 | 201.2 | 112.3 | 117.6 | 129.9 | 130.0 | 141.5 | 134.7 | 166.1 | 149.4 | 172.3 | 20.9 |
| <b>Siganidae</b>       | 1.3   | 0.0   | 2.0   | 1.9   | 0.6   | 2.9   | 2.0   | 3.8   | 2.0   | 2.3   | 0.6   | 1.3   | 1.7   | 0.2  |
| <b>Other Sparidae</b>  | 6.8   | 15.4  | 12.0  | 3.6   | 0.7   | 7.4   | 1.1   | 0.0   | 0.7   | 0.0   | 0.1   | 3.7   | 4.3   | 0.5  |
| <b>Mean</b>            | 674.7 | 796.2 | 935.5 | 865.4 | 781.7 | 907.1 | 805.4 | 950.8 | 818.3 | 744.0 | 771.9 | 836.8 | 824   |      |

Note: Values have been revised in reports printed after April 2005.

**Table 18 (b) CPUE (kg/trip) for launch in Eastern Abu Dhabi.**

|                        | JAN          | FEB          | MAR           | APR           | MAY          | JUN           | JUL           | AUG           | SEP           | OCT          | NOV          | DEC          | Mean         | (%)         |
|------------------------|--------------|--------------|---------------|---------------|--------------|---------------|---------------|---------------|---------------|--------------|--------------|--------------|--------------|-------------|
| <i>A. bifasciatus</i>  | 20.4         | 6.3          | 13.5          | 0.0           | 0.0          | 5.3           | 10.8          | 7.9           | 11.2          | 3.4          | 3.6          | 17.2         | <b>8.3</b>   | <b>0.9</b>  |
| <i>A. Spinifer</i>     | 49.9         | 60.0         | 78.4          | 52.6          | 10.8         | 6.9           | 17.7          | 11.4          | 28.0          | 10.6         | 10.6         | 55.5         | <b>32.7</b>  | <b>3.4</b>  |
| <b>Sphyraenidae</b>    | 0.0          | 8.2          | 0.0           | 2.5           | 0.7          | 0.0           | 0.0           | 0.0           | 0.0           | 0.0          | 0.0          | 0.0          | <b>0.9</b>   | <b>0.1</b>  |
| <b>Carangidae</b>      | 33.7         | 64.4         | 30.9          | 117.4         | 103.9        | 218.4         | 263.8         | 223.9         | 236.4         | 226.7        | 159.6        | 150.8        | <b>152.5</b> | <b>15.7</b> |
| <b>Clupeidae</b>       | 0.0          | 0.0          | 0.0           | 0.0           | 0.0          | 0.0           | 0.0           | 0.0           | 0.0           | 0.0          | 0.0          | 0.0          | <b>0.0</b>   | <b>0.0</b>  |
| <b>Gerridae</b>        | 0.0          | 0.0          | 0.2           | 0.0           | 0.0          | 0.0           | 0.0           | 2.3           | 0.0           | 0.0          | 0.0          | 0.0          | <b>0.2</b>   | <b>0.0</b>  |
| <b>Haemulidae</b>      | 58.1         | 58.9         | 54.4          | 38.9          | 25.4         | 54.0          | 52.0          | 90.9          | 86.3          | 77.5         | 49.3         | 48.9         | <b>57.9</b>  | <b>5.9</b>  |
| <b>Lethrinidae</b>     | 253.5        | 268.4        | 355.4         | 383.8         | 431.3        | 528.0         | 424.0         | 579.3         | 377.0         | 366.1        | 256.2        | 338.3        | <b>380.1</b> | <b>39.0</b> |
| <b>Lutjanidae</b>      | 8.9          | 1.8          | 0.3           | 4.9           | 1.9          | 4.0           | 10.2          | 19.5          | 22.6          | 19.3         | 10.3         | 1.3          | <b>8.7</b>   | <b>0.9</b>  |
| <b>Mixed</b>           | 37.3         | 51.0         | 50.8          | 7.4           | 14.0         | 7.7           | 8.4           | 5.6           | 0.0           | 4.9          | 12.0         | 21.2         | <b>18.4</b>  | <b>1.9</b>  |
| <b>Mugilidae</b>       | 0.0          | 0.0          | 0.0           | 0.0           | 0.0          | 0.0           | 0.0           | 0.0           | 0.0           | 0.0          | 49.6         | 0.0          | <b>4.1</b>   | <b>0.4</b>  |
| <b>Nemipteridae</b>    | 0.8          | 12.6         | 6.0           | 1.0           | 0.0          | 0.0           | 2.4           | 4.7           | 1.9           | 2.2          | 1.5          | 2.3          | <b>2.9</b>   | <b>0.3</b>  |
| <b>Other demersals</b> | 0.0          | 6.5          | 5.5           | 17.7          | 11.9         | 1.7           | 4.8           | 25.2          | 8.6           | 11.8         | 23.3         | 20.6         | <b>11.5</b>  | <b>1.2</b>  |
| <b>Other pelagics</b>  | 15.1         | 44.6         | 2.9           | 20.5          | 13.1         | 10.1          | 14.3          | 3.9           | 4.7           | 0.6          | 27.3         | 11.8         | <b>14.1</b>  | <b>1.4</b>  |
| <b>Others</b>          | 1.3          | 2.8          | 1.4           | 0.0           | 2.7          | 7.2           | 3.9           | 1.1           | 1.4           | 1.2          | 20.1         | 9.6          | <b>4.4</b>   | <b>0.4</b>  |
| <b>Scomberoides</b>    | 0.0          | 0.0          | 0.0           | 0.0           | 4.8          | 26.4          | 2.7           | 6.7           | 7.9           | 1.1          | 0.0          | 2.1          | <b>4.3</b>   | <b>0.4</b>  |
| <b>Shark and Ray</b>   | 14.0         | 46.9         | 24.1          | 74.3          | 10.5         | 0.0           | 7.4           | 0.0           | 0.0           | 0.0          | 0.0          | 27.4         | <b>17.0</b>  | <b>1.7</b>  |
| <b>Scads</b>           | 1.6          | 4.7          | 0.0           | 32.2          | 128.9        | 78.5          | 15.6          | 9.2           | 44.0          | 25.1         | 32.9         | 14.2         | <b>32.2</b>  | <b>3.3</b>  |
| <i>S. commerson</i>    | 12.6         | 0.0          | 0.4           | 6.1           | 1.3          | 0.0           | 0.4           | 0.0           | 0.0           | 7.9          | 6.3          | 23.0         | <b>4.8</b>   | <b>0.5</b>  |
| <b>Scaridae</b>        | 8.8          | 7.6          | 0.7           | 3.4           | 0.6          | 10.0          | 15.1          | 6.3           | 13.9          | 8.3          | 6.2          | 17.5         | <b>8.2</b>   | <b>0.8</b>  |
| <b>Serranidae</b>      | 182.8        | 297.8        | 448.5         | 239.3         | 128.6        | 134.8         | 154.1         | 144.2         | 172.7         | 157.5        | 181.0        | 203.4        | <b>203.7</b> | <b>20.9</b> |
| <b>Siganidae</b>       | 2.1          | 0.0          | 2.5           | 2.5           | 0.8          | 4.0           | 3.0           | 5.0           | 2.7           | 3.1          | 0.7          | 1.5          | <b>2.3</b>   | <b>0.2</b>  |
| <b>Other Sparidae</b>  | 10.6         | 20.7         | 14.7          | 4.6           | 0.7          | 1.3           | 1.5           | 0.0           | 0.0           | 0.0          | 0.0          | 5.1          | <b>4.9</b>   | <b>0.5</b>  |
| <b>Mean</b>            | <b>711.6</b> | <b>963.1</b> | <b>1090.6</b> | <b>1009.2</b> | <b>891.9</b> | <b>1098.2</b> | <b>1011.9</b> | <b>1147.2</b> | <b>1019.4</b> | <b>927.1</b> | <b>850.1</b> | <b>971.5</b> | <b>974.3</b> |             |

**Table 18 (c) CPUE (kg/trip) for launch in Western Abu Dhabi.**

|                        | JAN          | FEB          | MAR          | APR          | MAY          | JUN          | JUL          | AUG          | SEP          | OCT          | NOV          | DEC          | Mean         | (%)         |
|------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------|
| <i>A. bifasciatus</i>  | 3.1          | 7.8          | 5.2          | 3.7          | 2.2          | 0.3          | 1.0          | 1.2          | 0.3          | 0.0          | 0.3          | 1.5          | <b>2.2</b>   | <b>0.7</b>  |
| <i>A. Spinifer</i>     | 0.0          | 3.2          | 2.9          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 12.8         | 0.0          | 0.0          | 0.0          | <b>1.6</b>   | <b>0.5</b>  |
| <b>Sphyraenidae</b>    | 2.0          | 0.0          | 0.0          | 0.3          | 0.7          | 0.3          | 0.0          | 0.7          | 0.0          | 7.5          | 1.3          | 1.2          | <b>1.2</b>   | <b>0.4</b>  |
| <b>Carangidae</b>      | 10.4         | 20.8         | 8.9          | 11.8         | 26.5         | 44.5         | 42.2         | 52.1         | 38.9         | 11.2         | 30.1         | 0.6          | <b>24.8</b>  | <b>8.0</b>  |
| <b>Clupeidae</b>       | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | <b>0.0</b>   | <b>0.0</b>  |
| <b>Gerridae</b>        | 0.0          | 0.0          | 0.0          | 0.0          | 0.1          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.1          | <b>0.0</b>   | <b>0.0</b>  |
| <b>Haemulidae</b>      | 55.5         | 97.9         | 106.3        | 121.3        | 63.4         | 77.7         | 107.0        | 127.8        | 81.8         | 97.5         | 143.7        | 27.9         | <b>92.3</b>  | <b>29.7</b> |
| <b>Lethrinidae</b>     | 53.5         | 50.7         | 26.8         | 70.6         | 108.3        | 75.1         | 64.0         | 35.4         | 8.9          | 11.4         | 21.8         | 30.0         | <b>46.4</b>  | <b>14.9</b> |
| <b>Lutjanidae</b>      | 0.0          | 0.0          | 0.1          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | <b>0.0</b>   | <b>0.0</b>  |
| <b>Mixed</b>           | 0.5          | 3.1          | 0.9          | 3.2          | 4.0          | 2.0          | 0.3          | 0.2          | 0.0          | 0.0          | 1.5          | 0.0          | <b>1.3</b>   | <b>0.4</b>  |
| <b>Mugilidae</b>       | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | <b>0.0</b>   | <b>0.0</b>  |
| <b>Nemipteridae</b>    | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.3          | 0.0          | <b>0.0</b>   | <b>0.0</b>  |
| <b>Other demersals</b> | 0.0          | 0.6          | 0.7          | 0.4          | 1.9          | 0.0          | 0.0          | 0.5          | 0.0          | 0.0          | 0.0          | 0.0          | <b>0.3</b>   | <b>0.1</b>  |
| <b>Other pelagics</b>  | 1.1          | 0.7          | 0.7          | 1.9          | 0.9          | 0.2          | 0.0          | 0.3          | 0.0          | 0.0          | 0.0          | 0.2          | <b>0.5</b>   | <b>0.2</b>  |
| <b>Others</b>          | 0.0          | 0.0          | 0.6          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | <b>0.0</b>   | <b>0.0</b>  |
| <b>Scomberoides</b>    | 0.0          | 0.0          | 0.0          | 5.9          | 6.9          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | <b>1.1</b>   | <b>0.3</b>  |
| <b>Shark and Ray</b>   | 2.3          | 0.5          | 0.5          | 9.5          | 9.5          | 61.2         | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | <b>7.0</b>   | <b>2.2</b>  |
| <b>Scads</b>           | 0.0          | 0.2          | 0.0          | 5.4          | 13.2         | 12.2         | 7.9          | 0.4          | 0.0          | 0.0          | 0.3          | 0.1          | <b>3.3</b>   | <b>1.1</b>  |
| <i>S. commerson</i>    | 173.4        | 34.5         | 28.6         | 7.5          | 8.1          | 0.0          | 0.0          | 0.0          | 0.0          | 9.6          | 32.5         | 399.5        | <b>57.8</b>  | <b>18.6</b> |
| <b>Scaridae</b>        | 0.2          | 0.0          | 0.1          | 0.0          | 0.0          | 0.0          | 0.0          | 0.4          | 0.0          | 0.0          | 0.0          | 0.0          | <b>0.1</b>   | <b>0.0</b>  |
| <b>Serranidae</b>      | 68.9         | 92.4         | 81.4         | 56.9         | 37.2         | 70.2         | 80.3         | 97.5         | 50.1         | 80.3         | 89.6         | 24.5         | <b>69.1</b>  | <b>22.2</b> |
| <b>Siganidae</b>       | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.8          | <b>0.1</b>   | <b>0.0</b>  |
| <b>Other Sparidae</b>  | 0.2          | 2.5          | 1.3          | 0.3          | 0.4          | 13.2         | 0.2          | 0.0          | 1.4          | 0.0          | 0.5          | 0.6          | <b>1.7</b>   | <b>0.6</b>  |
| <b>Mean</b>            | <b>371.2</b> | <b>314.9</b> | <b>265.0</b> | <b>298.6</b> | <b>283.3</b> | <b>356.7</b> | <b>302.8</b> | <b>316.6</b> | <b>194.0</b> | <b>217.6</b> | <b>321.8</b> | <b>486.9</b> | <b>310.8</b> |             |

**Table 19 (a) CPUE (kg/trip) for tarads in the Emirate of Abu Dhabi.**

|                        | JAN   | FEB   | MAR   | APR  | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   | Mean | (%)  |
|------------------------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
| <i>A. bifasciatus</i>  | 1.0   | 9.7   | 0.7   | 0.2  | 0.1   | 0.2   | 0.2   | 0.7   | 1.4   | 0.0   | 0.4   | 0.2   | 1.2  | 0.9  |
| <i>A. Spinifer</i>     | 0.0   | 0.0   | 0.0   | 0.1  | 0.5   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.1  | 0.0  |
| <b>Sphyraenidae</b>    | 1.9   | 1.3   | 2.4   | 5.2  | 5.4   | 1.8   | 1.9   | 0.1   | 1.2   | 1.8   | 2.0   | 2.1   | 2.3  | 1.6  |
| <b>Carangidae</b>      | 16.5  | 12.3  | 9.1   | 9.1  | 19.5  | 15.1  | 41.2  | 52.6  | 37.9  | 24.7  | 23.9  | 3.0   | 22.1 | 15.5 |
| <b>Clupeidae</b>       | 0.0   | 0.0   | 0.0   | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  | 0.0  |
| <b>Gerridae</b>        | 4.0   | 4.1   | 2.5   | 0.0  | 1.9   | 3.1   | 5.1   | 6.9   | 10.2  | 5.8   | 6.1   | 3.9   | 4.5  | 3.1  |
| <b>Haemulidae</b>      | 7.9   | 2.2   | 2.6   | 14.7 | 14.8  | 4.3   | 11.6  | 14.4  | 13.9  | 6.3   | 7.8   | 4.5   | 8.7  | 6.1  |
| <b>Lethrinidae</b>     | 46.9  | 14.3  | 20.4  | 8.0  | 14.5  | 45.0  | 28.1  | 25.8  | 28.4  | 68.9  | 26.7  | 24.9  | 29.3 | 20.6 |
| <b>Lutjanidae</b>      | 0.0   | 0.0   | 20.5  | 7.3  | 4.6   | 2.5   | 5.8   | 4.0   | 12.7  | 0.1   | 0.2   | 0.0   | 4.8  | 3.4  |
| <b>Mixed</b>           | 0.3   | 0.1   | 0.4   | 1.9  | 0.4   | 0.3   | 0.1   | 0.2   | 0.1   | 0.8   | 1.1   | 1.1   | 0.6  | 0.4  |
| <b>Mugilidae</b>       | 0.1   | 0.0   | 0.0   | 0.2  | 0.7   | 2.4   | 0.7   | 0.5   | 1.3   | 6.7   | 0.2   | 0.0   | 1.1  | 0.8  |
| <b>Nemipteridae</b>    | 0.0   | 0.0   | 0.0   | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  | 0.0  |
| <b>Other demersals</b> | 0.3   | 1.8   | 2.6   | 2.5  | 2.7   | 0.2   | 0.3   | 0.0   | 0.2   | 1.3   | 1.0   | 0.8   | 1.1  | 0.8  |
| <b>Other pelagics</b>  | 0.8   | 1.3   | 6.8   | 0.9  | 2.4   | 7.9   | 7.6   | 6.4   | 4.0   | 11.2  | 1.1   | 2.2   | 4.4  | 3.1  |
| <b>Others</b>          | 0.0   | 0.6   | 0.3   | 0.0  | 0.2   | 0.4   | 0.7   | 0.0   | 0.2   | 8.7   | 1.5   | 1.4   | 1.2  | 0.8  |
| <b>Scomberoides</b>    | 0.2   | 0.4   | 1.5   | 5.7  | 3.0   | 1.4   | 0.9   | 2.2   | 3.2   | 1.1   | 1.6   | 1.6   | 1.9  | 1.3  |
| <b>Shark and Ray</b>   | 1.2   | 4.7   | 4.2   | 7.4  | 0.8   | 4.4   | 0.0   | 0.3   | 0.4   | 0.3   | 4.4   | 11.7  | 3.3  | 2.3  |
| <b>Scads</b>           | 0.2   | 2.2   | 2.5   | 2.4  | 3.8   | 0.6   | 0.2   | 0.2   | 1.4   | 1.6   | 0.3   | 0.2   | 1.3  | 0.9  |
| <i>S. commerson</i>    | 72.6  | 59.6  | 40.1  | 22.9 | 27.7  | 30.9  | 13.9  | 0.2   | 11.0  | 16.4  | 31.0  | 121.1 | 37.3 | 26.2 |
| <b>Scaridae</b>        | 0.0   | 0.0   | 0.0   | 1.2  | 0.0   | 0.0   | 0.0   | 0.1   | 0.0   | 0.0   | 2.0   | 0.1   | 0.3  | 0.2  |
| <b>Serranidae</b>      | 17.3  | 5.7   | 4.0   | 7.8  | 17.5  | 10.8  | 14.3  | 22.9  | 18.2  | 13.8  | 17.8  | 4.6   | 12.9 | 9.1  |
| <b>Siganidae</b>       | 5.6   | 1.2   | 0.4   | 1.2  | 0.5   | 2.5   | 0.5   | 0.3   | 4.8   | 1.0   | 3.2   | 2.0   | 1.9  | 1.4  |
| <b>Other Sparidae</b>  | 0.5   | 0.0   | 0.6   | 0.2  | 1.1   | 2.8   | 1.7   | 7.4   | 2.4   | 1.5   | 4.9   | 2.0   | 2.1  | 1.5  |
| <b>Mean</b>            | 177.1 | 121.5 | 121.8 | 98.8 | 122.1 | 136.4 | 134.8 | 145.3 | 152.8 | 172.0 | 137.0 | 187.6 | 142  |      |

Note: Values have been revised in reports printed after April 2005.

**Table 19 (b) CPUE (kg/trip) for tarads in Eastern Abu Dhabi.**

|                        | JAN          | FEB          | MAR          | APR          | MAY          | JUN          | JUL          | AUG          | SEP          | OCT          | NOV          | DEC          | Mean         | (%)         |
|------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------|
| <i>A. bifasciatus</i>  | 3.6          | 0.1          | 0.1          | 0.3          | 0.1          | 0.4          | 0.6          | 1.9          | 2.5          | 0.1          | 0.8          | 0.6          | <b>0.9</b>   | <b>0.5</b>  |
| <i>A. Spinifer</i>     | 0.0          | 0.0          | 0.0          | 0.1          | 0.1          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | <b>0.0</b>   | <b>0.0</b>  |
| <b>Sphyraenidae</b>    | 2.4          | 2.4          | 4.1          | 2.2          | 12.3         | 4.5          | 4.4          | 0.3          | 2.1          | 3.7          | 3.7          | 3.8          | <b>3.8</b>   | <b>1.9</b>  |
| <b>Carangidae</b>      | 54.8         | 37.7         | 14.3         | 20.0         | 25.4         | 18.4         | 85.0         | 127.1        | 65.9         | 46.7         | 41.8         | 6.8          | <b>45.3</b>  | <b>22.8</b> |
| <b>Clupeidae</b>       | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | <b>0.0</b>   | <b>0.0</b>  |
| <b>Gerridae</b>        | 14.6         | 14.1         | 7.4          | 0.0          | 4.3          | 7.6          | 14.0         | 19.2         | 18.5         | 11.6         | 11.8         | 9.0          | <b>11.0</b>  | <b>5.5</b>  |
| <b>Haemulidae</b>      | 15.9         | 1.2          | 0.3          | 0.7          | 0.4          | 0.1          | 1.5          | 1.9          | 8.3          | 0.3          | 0.4          | 0.5          | <b>2.6</b>   | <b>1.3</b>  |
| <b>Lethrinidae</b>     | 31.6         | 19.2         | 21.4         | 8.1          | 8.6          | 70.1         | 52.5         | 53.3         | 51.1         | 22.0         | 12.2         | 27.3         | <b>31.4</b>  | <b>15.8</b> |
| <b>Lutjanidae</b>      | 0.0          | 0.0          | 0.0          | 24.3         | 10.5         | 6.1          | 15.7         | 11.2         | 22.8         | 0.2          | 0.3          | 0.0          | <b>7.6</b>   | <b>3.8</b>  |
| <b>Mixed</b>           | 1.1          | 0.5          | 1.2          | 3.5          | 0.8          | 0.6          | 0.4          | 0.7          | 0.2          | 1.5          | 2.1          | 2.5          | <b>1.3</b>   | <b>0.6</b>  |
| <b>Mugilidae</b>       | 0.4          | 0.0          | 0.1          | 0.6          | 1.5          | 6.1          | 1.9          | 1.4          | 2.3          | 13.6         | 0.3          | 0.0          | <b>2.4</b>   | <b>1.2</b>  |
| <b>Nemipteridae</b>    | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | <b>0.0</b>   | <b>0.0</b>  |
| <b>Other demersals</b> | 1.3          | 5.2          | 2.7          | 3.6          | 4.8          | 0.4          | 0.9          | 0.1          | 0.4          | 2.6          | 2.0          | 1.8          | <b>2.1</b>   | <b>1.1</b>  |
| <b>Other pelagics</b>  | 2.1          | 3.1          | 17.0         | 1.6          | 4.8          | 19.7         | 20.9         | 17.8         | 7.1          | 22.6         | 2.0          | 5.0          | <b>10.3</b>  | <b>5.2</b>  |
| <b>Others</b>          | 0.1          | 1.6          | 0.4          | 0.1          | 0.6          | 0.9          | 1.8          | 0.1          | 0.3          | 17.6         | 2.9          | 3.4          | <b>2.5</b>   | <b>1.2</b>  |
| <b>Scomberoides</b>    | 0.6          | 1.3          | 4.3          | 2.9          | 5.8          | 3.5          | 2.5          | 6.2          | 5.8          | 2.2          | 3.0          | 3.5          | <b>3.5</b>   | <b>1.7</b>  |
| <b>Shark and Ray</b>   | 2.4          | 9.4          | 9.6          | 10.8         | 1.9          | 4.3          | 0.0          | 0.9          | 0.7          | 0.7          | 8.4          | 27.2         | <b>6.4</b>   | <b>3.2</b>  |
| <b>Scads</b>           | 0.2          | 7.6          | 7.4          | 7.3          | 7.6          | 0.2          | 0.5          | 0.4          | 2.6          | 3.2          | 0.7          | 0.4          | <b>3.2</b>   | <b>1.6</b>  |
| <i>S. commerson</i>    | 39.6         | 63.3         | 56.4         | 36.8         | 63.8         | 77.0         | 37.2         | 0.5          | 19.7         | 32.0         | 46.3         | 90.4         | <b>46.9</b>  | <b>23.6</b> |
| <b>Scaridae</b>        | 0.1          | 0.0          | 0.1          | 3.9          | 0.1          | 0.1          | 0.0          | 0.2          | 0.0          | 0.0          | 3.9          | 0.2          | <b>0.7</b>   | <b>0.4</b>  |
| <b>Serranidae</b>      | 25.1         | 8.4          | 2.3          | 2.2          | 5.1          | 3.1          | 1.3          | 1.7          | 10.0         | 6.4          | 8.8          | 3.2          | <b>6.5</b>   | <b>3.3</b>  |
| <b>Siganidae</b>       | 20.5         | 4.1          | 1.2          | 3.9          | 1.1          | 6.1          | 1.4          | 0.8          | 8.7          | 2.1          | 6.1          | 4.7          | <b>5.1</b>   | <b>2.6</b>  |
| <b>Other Sparidae</b>  | 1.8          | 0.2          | 1.9          | 0.7          | 2.5          | 6.3          | 4.6          | 20.6         | 4.4          | 3.1          | 9.4          | 4.7          | <b>5.0</b>   | <b>2.5</b>  |
| <b>Mean</b>            | <b>218.2</b> | <b>179.4</b> | <b>152.0</b> | <b>133.7</b> | <b>162.0</b> | <b>235.5</b> | <b>247.3</b> | <b>266.3</b> | <b>233.4</b> | <b>192.2</b> | <b>166.4</b> | <b>195.2</b> | <b>198.5</b> |             |

**Table 19 (c) CPUE (kg/trip) for tarads in Western Abu Dhabi.**

|                        | JAN          | FEB          | MAR          | APR          | MAY          | JUN          | JUL         | AUG         | SEP         | OCT          | NOV          | DEC          | Mean         | (%)         |
|------------------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|-------------|
| <i>A. bifasciatus</i>  | 0.0          | 7.3          | 3.7          | 0.4          | 0.4          | 0.0          | 0.0         | 0.0         | 0.0         | 0.0          | 0.0          | 0.0          | <b>1.0</b>   | <b>0.7</b>  |
| <i>A. Spinifer</i>     | 0.0          | 0.0          | 0.0          | 0.1          | 0.6          | 0.0          | 0.0         | 0.0         | 0.0         | 0.0          | 0.0          | 0.0          | <b>0.1</b>   | <b>0.0</b>  |
| <b>Sphyraenidae</b>    | 2.2          | 0.7          | 0.9          | 3.9          | 0.1          | 0.0          | 1.7         | 0.0         | 0.0         | 0.0          | 0.1          | 0.6          | <b>0.8</b>   | <b>0.6</b>  |
| <b>Carangidae</b>      | 1.7          | 8.0          | 3.7          | 4.2          | 10.8         | 11.1         | 10.7        | 12.2        | 2.1         | 2.6          | 3.5          | 0.1          | <b>5.9</b>   | <b>4.4</b>  |
| <b>Clupeidae</b>       | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0         | 0.0         | 0.0         | 0.0          | 0.0          | 0.0          | <b>0.0</b>   | <b>0.0</b>  |
| <b>Gerridae</b>        | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0         | 0.0         | 0.0         | 0.0          | 0.0          | 0.0          | <b>0.0</b>   | <b>0.0</b>  |
| <b>Haemulidae</b>      | 2.9          | 1.4          | 7.1          | 48.3         | 48.9         | 4.2          | 13.5        | 22.3        | 28.5        | 9.9          | 15.5         | 5.5          | <b>17.3</b>  | <b>13.0</b> |
| <b>Lethrinidae</b>     | 149.7        | 67.7         | 62.5         | 20.2         | 25.9         | 52.1         | 11.4        | 18.0        | 0.2         | 148.1        | 53.9         | 25.7         | <b>52.9</b>  | <b>39.6</b> |
| <b>Lutjanidae</b>      | 0.0          | 0.0          | 18.3         | 0.0          | 0.0          | 0.0          | 0.0         | 0.0         | 0.0         | 0.0          | 0.0          | 0.0          | <b>1.5</b>   | <b>1.1</b>  |
| <b>Mixed</b>           | 0.0          | 0.0          | 0.0          | 0.7          | 0.0          | 0.0          | 0.0         | 0.0         | 0.0         | 0.0          | 0.0          | 0.0          | <b>0.1</b>   | <b>0.0</b>  |
| <b>Mugilidae</b>       | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0         | 0.0         | 0.0         | 0.0          | 0.0          | 0.0          | <b>0.0</b>   | <b>0.0</b>  |
| <b>Nemipteridae</b>    | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0         | 0.0         | 0.0         | 0.0          | 0.0          | 0.0          | <b>0.0</b>   | <b>0.0</b>  |
| <b>Other demersals</b> | 0.0          | 0.2          | 1.5          | 1.2          | 0.7          | 0.0          | 0.0         | 0.0         | 0.0         | 0.0          | 0.0          | 0.0          | <b>0.3</b>   | <b>0.2</b>  |
| <b>Other pelagics</b>  | 0.6          | 0.3          | 0.8          | 1.6          | 1.6          | 0.1          | 0.0         | 0.0         | 0.0         | 0.0          | 0.3          | 0.1          | <b>0.5</b>   | <b>0.3</b>  |
| <b>Others</b>          | 0.0          | 0.1          | 0.1          | 0.0          | 0.0          | 0.0          | 0.0         | 0.0         | 0.0         | 0.0          | 0.0          | 0.0          | <b>0.0</b>   | <b>0.0</b>  |
| <b>Scomberoides</b>    | 0.0          | 0.0          | 0.0          | 5.9          | 2.3          | 0.0          | 0.0         | 0.0         | 0.0         | 0.0          | 0.0          | 0.1          | <b>0.7</b>   | <b>0.5</b>  |
| <b>Shark and Ray</b>   | 0.4          | 1.5          | 0.8          | 3.5          | 0.0          | 15.0         | 0.0         | 0.0         | 0.0         | 0.0          | 0.0          | 0.0          | <b>1.8</b>   | <b>1.3</b>  |
| <b>Scads</b>           | 0.5          | 0.0          | 0.0          | 0.8          | 1.2          | 3.1          | 0.0         | 0.0         | 0.0         | 0.0          | 0.0          | 0.0          | <b>0.5</b>   | <b>0.3</b>  |
| <i>S. commerson</i>    | 107.9        | 31.1         | 18.5         | 10.0         | 0.0          | 0.0          | 2.3         | 0.0         | 0.1         | 1.0          | 20.0         | 184.7        | <b>31.3</b>  | <b>23.4</b> |
| <b>Scaridae</b>        | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0         | 0.0         | 0.0         | 0.0          | 0.0          | 0.0          | <b>0.0</b>   | <b>0.0</b>  |
| <b>Serranidae</b>      | 11.1         | 4.3          | 4.8          | 21.6         | 31.0         | 24.0         | 16.9        | 36.7        | 24.3        | 17.6         | 27.5         | 6.0          | <b>18.8</b>  | <b>14.1</b> |
| <b>Siganidae</b>       | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0         | 0.0         | 0.0         | 0.0          | 0.0          | 0.0          | <b>0.0</b>   | <b>0.0</b>  |
| <b>Other Sparidae</b>  | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 1.4          | 0.0         | 0.0         | 0.0         | 0.0          | 0.0          | 0.0          | <b>0.1</b>   | <b>0.1</b>  |
| <b>Mean</b>            | <b>276.9</b> | <b>122.5</b> | <b>122.7</b> | <b>122.2</b> | <b>123.2</b> | <b>110.9</b> | <b>56.5</b> | <b>89.3</b> | <b>55.2</b> | <b>179.2</b> | <b>120.8</b> | <b>222.9</b> | <b>133.5</b> |             |

**Table 20 (a) Total value (AED '000) of landings in the Emirate of Abu Dhabi.**

|                         | JAN         | FEB         | MAR         | APR         | MAY         | JUN         | JUL         | AUG         | SEP         | OCT         | NOV         | DEC         | Total<br>(AED '000) | Total (%) |
|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|-----------|
| <i>A. bifasciatus</i>   | 26          | 36          | 18          | 3           | 2           | 6           | 12          | 11          | 13          | 2           | 5           | 17          | 150                 | 0.2       |
| <i>A. Spinifer</i>      | 112         | 128         | 190         | 135         | 31          | 17          | 38          | 28          | 76          | 17          | 26          | 114         | 911                 | 1.2       |
| <b>Sphraenidae</b>      | 10          | 14          | 7           | 22          | 20          | 7           | 7           | 1           | 3           | 8           | 6           | 10          | 115                 | 0.2       |
| <b>Carangidae</b>       | 672         | 711         | 401         | 1130        | 1290        | 2000        | 2748        | 2737        | 2104        | 1495        | 1602        | 1007        | 17895               | 24.1      |
| <b>Clupeidae</b>        | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0                   | 0.0       |
| <b>Gerridae</b>         | 29          | 24          | 14          | 0           | 12          | 20          | 36          | 46          | 42          | 29          | 33          | 32          | 317                 | 0.4       |
| <b>Haemulidae</b>       | 104         | 87          | 80          | 120         | 82          | 58          | 102         | 136         | 108         | 70          | 77          | 55          | 1078                | 1.5       |
| <b>Lethrinidae</b>      | 1273        | 883         | 1229        | 1397        | 1689        | 2083        | 1514        | 2009        | 1127        | 1176        | 963         | 1155        | 16496               | 22.2      |
| <b>Lutjanidae</b>       | 11          | 2           | 63          | 33          | 18          | 14          | 35          | 39          | 54          | 17          | 14          | 1           | 303                 | 0.4       |
| <b>Mixed</b>            | 19          | 24          | 27          | 8           | 10          | 5           | 4           | 3           | 0           | 3           | 8           | 12          | 123                 | 0.2       |
| <b>Mugilidae</b>        | 2           | 0           | 1           | 3           | 9           | 35          | 11          | 7           | 12          | 75          | 263         | 0           | 417                 | 0.6       |
| <b>Nemipteridae</b>     | 0           | 3           | 2           | 0           | 0           | 0           | 1           | 1           | 0           | 0           | 0           | 1           | 8                   | 0.0       |
| <b>Other demersals</b>  | 2           | 16          | 18          | 39          | 32          | 3           | 8           | 39          | 12          | 16          | 39          | 31          | 253                 | 0.3       |
| <b>Other pelagics</b>   | 27          | 65          | 29          | 39          | 32          | 49          | 55          | 31          | 17          | 37          | 46          | 28          | 453                 | 0.6       |
| <b>Others</b>           | 2           | 5           | 3           | 0           | 5           | 11          | 7           | 2           | 2           | 25          | 31          | 17          | 110                 | 0.1       |
| <b>Scomberoides</b>     | 6           | 10          | 36          | 176         | 153         | 316         | 55          | 130         | 130         | 32          | 38          | 78          | 1159                | 1.6       |
| <b>Shark and Ray</b>    | 50          | 138         | 89          | 264         | 38          | 141         | 17          | 2           | 2           | 2           | 26          | 169         | 940                 | 1.3       |
| <b>Scads</b>            | 4           | 19          | 12          | 86          | 309         | 174         | 40          | 20          | 79          | 40          | 67          | 25          | 874                 | 1.2       |
| <i>S. commerson</i>     | 2605        | 1049        | 640         | 465         | 490         | 549         | 276         | 3           | 125         | 287         | 560         | 4006        | 11058               | 14.9      |
| <b>Scaridae</b>         | 45          | 35          | 4           | 36          | 4           | 53          | 72          | 36          | 63          | 29          | 57          | 80          | 513                 | 0.7       |
| <b>Serranidae</b>       | 1901        | 2127        | 3213        | 2022        | 1355        | 1267        | 1403        | 1528        | 1310        | 993         | 1569        | 1313        | 20001               | 26.9      |
| <b>Siganidae</b>        | 77          | 12          | 14          | 23          | 9           | 42          | 17          | 23          | 42          | 17          | 31          | 34          | 340                 | 0.5       |
| <b>Other Sparidae</b>   | 76          | 128         | 110         | 37          | 25          | 117         | 43          | 122         | 33          | 22          | 74          | 77          | 863                 | 1.2       |
| <b>Total (AED '000)</b> | <b>7053</b> | <b>5513</b> | <b>6198</b> | <b>6038</b> | <b>5613</b> | <b>6966</b> | <b>6500</b> | <b>6953</b> | <b>5353</b> | <b>4392</b> | <b>5535</b> | <b>8261</b> | <b>74377</b>        |           |
| <b>Total (%)</b>        | <b>9.5</b>  | <b>7.4</b>  | <b>8.3</b>  | <b>8.1</b>  | <b>7.5</b>  | <b>9.4</b>  | <b>8.7</b>  | <b>9.3</b>  | <b>7.2</b>  | <b>5.9</b>  | <b>7.4</b>  | <b>11.1</b> |                     |           |

**Table 20 (b) Total value (AED '000) of landings in Eastern Abu Dhabi.**

|                         | JAN         | FEB         | MAR         | APR         | MAY         | JUN         | JUL         | AUG         | SEP         | OCT         | NOV         | DEC         | Total (AED '000) | Total (%) |
|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------------|-----------|
| <i>A. bifasciatus</i>   | 23          | 6           | 14          | 0           | 0           | 6           | 11          | 10          | 13          | 2           | 5           | 16          | 107              | 0.2       |
| <i>A. Spinifer</i>      | 112         | 126         | 189         | 134         | 28          | 17          | 38          | 28          | 58          | 17          | 26          | 114         | 887              | 1.5       |
| <b>Sphraenidae</b>      | 3           | 12          | 4           | 6           | 19          | 6           | 6           | 0           | 3           | 5           | 6           | 7           | 77               | 0.1       |
| <b>Carangidae</b>       | 565         | 601         | 306         | 1018        | 1015        | 1722        | 2390        | 2473        | 1927        | 1447        | 1516        | 1003        | 15983            | 27.8      |
| <b>Clupeidae</b>        | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0                | 0.0       |
| <b>Gerridae</b>         | 29          | 24          | 14          | 0           | 11          | 20          | 36          | 46          | 42          | 29          | 33          | 32          | 317              | 0.6       |
| <b>Haemulidae</b>       | 53          | 41          | 43          | 33          | 22          | 43          | 38          | 74          | 65          | 41          | 39          | 33          | 526              | 0.9       |
| <b>Lethrinidae</b>      | 785         | 736         | 1110        | 1229        | 1412        | 1798        | 1310        | 1897        | 1111        | 796         | 809         | 981         | 13973            | 24.3      |
| <b>Lutjanidae</b>       | 11          | 2           | 0           | 33          | 18          | 14          | 35          | 39          | 54          | 17          | 14          | 1           | 240              | 0.4       |
| <b>Mixed</b>            | 19          | 23          | 27          | 6           | 8           | 4           | 4           | 3           | 0           | 3           | 8           | 12          | 117              | 0.2       |
| <b>Mugilidae</b>        | 2           | 0           | 1           | 3           | 9           | 35          | 11          | 7           | 12          | 75          | 263         | 0           | 417              | 0.7       |
| <b>Nemipteridae</b>     | 0           | 3           | 2           | 0           | 0           | 0           | 1           | 1           | 0           | 0           | 0           | 1           | 8                | 0.0       |
| <b>Other demersals</b>  | 2           | 14          | 12          | 33          | 27          | 3           | 8           | 39          | 12          | 16          | 39          | 31          | 235              | 0.4       |
| <b>Other pelagics</b>   | 24          | 63          | 25          | 35          | 30          | 48          | 55          | 31          | 17          | 37          | 46          | 27          | 438              | 0.8       |
| <b>Others</b>           | 2           | 5           | 2           | 0           | 5           | 11          | 7           | 2           | 2           | 25          | 31          | 17          | 109              | 0.2       |
| <b>Scomberoides</b>     | 6           | 10          | 36          | 26          | 123         | 316         | 55          | 130         | 130         | 32          | 38          | 75          | 975              | 1.7       |
| <b>Shark and Ray</b>    | 40          | 125         | 83          | 230         | 35          | 12          | 17          | 2           | 2           | 2           | 26          | 169         | 744              | 1.3       |
| <b>Scads</b>            | 3           | 19          | 12          | 79          | 291         | 155         | 29          | 19          | 79          | 40          | 66          | 25          | 817              | 1.4       |
| <i>S. commerson</i>     | 300         | 301         | 297         | 243         | 482         | 549         | 269         | 3           | 125         | 255         | 404         | 1024        | 4253             | 7.4       |
| <b>Scaridae</b>         | 44          | 35          | 4           | 36          | 4           | 53          | 72          | 34          | 63          | 29          | 57          | 80          | 511              | 0.9       |
| <b>Serranidae</b>       | 1261        | 1739        | 2960        | 1675        | 948         | 907         | 922         | 974         | 1038        | 734         | 1262        | 1170        | 15589            | 27.1      |
| <b>Siganidae</b>        | 77          | 12          | 14          | 23          | 9           | 42          | 17          | 23          | 42          | 17          | 31          | 33          | 339              | 0.6       |
| <b>Other Sparidae</b>   | 75          | 119         | 106         | 36          | 24          | 53          | 42          | 122         | 28          | 22          | 73          | 75          | 775              | 1.3       |
| <b>Total (AED '000)</b> | <b>3435</b> | <b>4014</b> | <b>5260</b> | <b>4878</b> | <b>4521</b> | <b>5813</b> | <b>5372</b> | <b>5958</b> | <b>4822</b> | <b>3641</b> | <b>4791</b> | <b>4928</b> | <b>57435</b>     |           |
| <b>Total (%)</b>        | <b>6.0</b>  | <b>7.0</b>  | <b>9.2</b>  | <b>8.5</b>  | <b>7.9</b>  | <b>10.1</b> | <b>9.4</b>  | <b>10.4</b> | <b>8.4</b>  | <b>6.3</b>  | <b>8.3</b>  | <b>8.6</b>  |                  |           |

**Table 20 (c) Total value (AED '000) of landings in Western Abu Dhabi.**

|                         | JAN         | FEB         | MAR        | APR         | MAY         | JUN         | JUL         | AUG        | SEP        | OCT        | NOV        | DEC         | Total<br>(AED '000) | Total (%) |
|-------------------------|-------------|-------------|------------|-------------|-------------|-------------|-------------|------------|------------|------------|------------|-------------|---------------------|-----------|
| <i>A. bifasciatus</i>   | 3           | 30          | 4          | 2           | 2           | 0           | 1           | 1          | 0          | 0          | 0          | 1           | 43                  | 0.3       |
| <i>A. Spinifer</i>      | 0           | 2           | 1          | 0           | 3           | 0           | 0           | 0          | 18         | 0          | 0          | 0           | 24                  | 0.1       |
| Sphyraenidae            | 7           | 2           | 3          | 17          | 1           | 0           | 1           | 1          | 0          | 3          | 0          | 3           | 38                  | 0.2       |
| Carangidae              | 107         | 109         | 95         | 112         | 274         | 278         | 358         | 264        | 177        | 48         | 85         | 4           | 1912                | 11.3      |
| Clupeidae               | 0           | 0           | 0          | 0           | 0           | 0           | 0           | 0          | 0          | 0          | 0          | 0           | 0                   | 0.0       |
| Gerridae                | 0           | 0           | 0          | 0           | 0           | 0           | 0           | 0          | 0          | 0          | 0          | 0           | 0                   | 0.0       |
| Haemulidae              | 51          | 46          | 37         | 87          | 60          | 15          | 63          | 61         | 44         | 30         | 38         | 21          | 553                 | 3.3       |
| Lethrinidae             | 488         | 147         | 119        | 168         | 276         | 285         | 204         | 111        | 16         | 380        | 155        | 174         | 2523                | 14.9      |
| Lutjanidae              | 0           | 0           | 63         | 0           | 0           | 0           | 0           | 0          | 0          | 0          | 0          | 0           | 63                  | 0.4       |
| Mixed                   | 0           | 1           | 0          | 2           | 1           | 1           | 0           | 0          | 0          | 0          | 0          | 0           | 6                   | 0.0       |
| Mugilidae               | 0           | 0           | 0          | 0           | 0           | 0           | 0           | 0          | 0          | 0          | 0          | 0           | 0                   | 0.0       |
| Nemipteridae            | 0           | 0           | 0          | 0           | 0           | 0           | 0           | 0          | 0          | 0          | 0          | 0           | 0                   | 0.0       |
| Other demersals         | 0           | 1           | 6          | 6           | 4           | 0           | 0           | 0          | 0          | 0          | 0          | 0           | 18                  | 0.1       |
| Other pelagics          | 3           | 2           | 3          | 3           | 2           | 0           | 0           | 0          | 0          | 0          | 0          | 1           | 15                  | 0.1       |
| Others                  | 0           | 0           | 1          | 0           | 0           | 0           | 0           | 0          | 0          | 0          | 0          | 0           | 1                   | 0.0       |
| Scomberoides            | 0           | 0           | 0          | 150         | 30          | 0           | 0           | 0          | 0          | 0          | 0          | 3           | 183                 | 1.1       |
| Shark and Ray           | 10          | 13          | 6          | 34          | 3           | 129         | 0           | 0          | 0          | 0          | 0          | 0           | 195                 | 1.2       |
| Scads                   | 1           | 0           | 0          | 7           | 18          | 19          | 11          | 1          | 0          | 0          | 0          | 0           | 57                  | 0.3       |
| <i>S. commerson</i>     | 2305        | 748         | 344        | 222         | 8           | 0           | 8           | 0          | 1          | 32         | 157        | 2982        | 6805                | 40.2      |
| Scaridae                | 1           | 0           | 0          | 0           | 0           | 0           | 0           | 1          | 0          | 0          | 0          | 0           | 3                   | 0.0       |
| Serranidae              | 640         | 388         | 254        | 347         | 407         | 361         | 481         | 554        | 271        | 259        | 308        | 142         | 4412                | 26.0      |
| Siganidae               | 0           | 0           | 0          | 0           | 0           | 0           | 0           | 0          | 0          | 0          | 0          | 1           | 1                   | 0.0       |
| Other Sparidae          | 1           | 9           | 3          | 1           | 2           | 64          | 1           | 0          | 5          | 0          | 1          | 2           | 88                  | 0.5       |
| <b>Total (AED '000)</b> | <b>3618</b> | <b>1500</b> | <b>938</b> | <b>1159</b> | <b>1091</b> | <b>1153</b> | <b>1129</b> | <b>995</b> | <b>531</b> | <b>751</b> | <b>744</b> | <b>3334</b> | <b>16942</b>        |           |
| <b>Total (%)</b>        | <b>21.4</b> | <b>8.9</b>  | <b>5.5</b> | <b>6.8</b>  | <b>6.4</b>  | <b>6.8</b>  | <b>6.7</b>  | <b>5.9</b> | <b>3.1</b> | <b>4.4</b> | <b>4.4</b> | <b>19.7</b> |                     |           |

**Table 21 (a) Value (AED '000) of catches by launch in Abu Dhabi Emirate.**

|                         | JAN         | FEB         | MAR         | APR         | MAY         | JUN         | JUL         | AUG         | SEP         | OCT         | NOV         | DEC         | Total (AED '000) | Total (%) |
|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------------|-----------|
| <i>A. bifasciatus</i>   | 23          | 10          | 16          | 2           | 1           | 6           | 11          | 9           | 10          | 2           | 4           | 16          | 111              | 0.2       |
| <i>A. Spinifer</i>      | 112         | 127         | 190         | 134         | 28          | 17          | 38          | 28          | 76          | 17          | 26          | 114         | 907              | 1.7       |
| <i>Sphyraenidae</i>     | 3           | 9           | 0           | 4           | 2           | 0           | 0           | 1           | 0           | 3           | 0           | 1           | 22               | 0.0       |
| <i>Carangidae</i>       | 299         | 487         | 248         | 947         | 923         | 1704        | 1854        | 1785        | 1628        | 1115        | 1207        | 930         | 13129            | 24.8      |
| <i>Clupeidae</i>        | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0                | 0.0       |
| <i>Gerridae</i>         | 0           | 0           | 1           | 0           | 0           | 0           | 0           | 6           | 0           | 0           | 0           | 0           | 6                | 0.0       |
| <i>Haemulidae</i>       | 84          | 83          | 75          | 88          | 52          | 49          | 74          | 107         | 89          | 60          | 63          | 42          | 866              | 1.6       |
| <i>Lethrinidae</i>      | 834         | 775         | 1088        | 1331        | 1577        | 1720        | 1263        | 1816        | 980         | 740         | 781         | 894         | 13799            | 26.1      |
| <i>Lutjanidae</i>       | 11          | 2           | 0           | 7           | 3           | 5           | 12          | 26          | 26          | 17          | 14          | 1           | 124              | 0.2       |
| Mixed                   | 19          | 24          | 27          | 5           | 9           | 5           | 4           | 3           | 0           | 2           | 7           | 9           | 114              | 0.2       |
| <i>Mugilidae</i>        | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 261         | 0           | 261              | 0.5       |
| <i>Nemipteridae</i>     | 0           | 3           | 2           | 0           | 0           | 0           | 1           | 1           | 0           | 0           | 0           | 1           | 8                | 0.0       |
| Other demersals         | 0           | 9           | 8           | 29          | 21          | 3           | 7           | 39          | 11          | 12          | 35          | 26          | 200              | 0.4       |
| Other pelagics          | 23          | 60          | 5           | 35          | 22          | 16          | 20          | 6           | 6           | 1           | 42          | 16          | 251              | 0.5       |
| Others                  | 2           | 3           | 2           | 0           | 4           | 9           | 5           | 1           | 2           | 1           | 26          | 11          | 66               | 0.1       |
| <i>Scomberoides</i>     | 0           | 0           | 0           | 11          | 70          | 277         | 26          | 72          | 71          | 8           | 0           | 19          | 553              | 1.0       |
| Shark and Ray           | 40          | 107         | 64          | 210         | 33          | 110         | 17          | 0           | 0           | 0           | 0           | 61          | 643              | 1.2       |
| Scads                   | 3           | 8           | 0           | 73          | 289         | 171         | 39          | 19          | 75          | 33          | 65          | 24          | 799              | 1.5       |
| <i>S. commerson</i>     | 1108        | 63          | 30          | 50          | 17          | 0           | 2           | 0           | 0           | 59          | 94          | 1211        | 2633             | 5.0       |
| <i>Scaridae</i>         | 44          | 35          | 4           | 19          | 4           | 52          | 72          | 35          | 63          | 29          | 33          | 78          | 467              | 0.9       |
| <i>Serranidae</i>       | 1545        | 2033        | 3153        | 1880        | 1056        | 1076        | 1122        | 1150        | 1102        | 801         | 1302        | 1207        | 17425            | 32.9      |
| <i>Siganidae</i>        | 8           | 0           | 10          | 10          | 4           | 16          | 11          | 20          | 9           | 8           | 3           | 6           | 104              | 0.2       |
| Other Sparidae          | 66          | 127         | 100         | 33          | 6           | 68          | 10          | 0           | 5           | 0           | 1           | 30          | 446              | 0.8       |
| <b>Total (AED '000)</b> | <b>4223</b> | <b>3965</b> | <b>5022</b> | <b>4869</b> | <b>4120</b> | <b>5303</b> | <b>4587</b> | <b>5124</b> | <b>4152</b> | <b>2908</b> | <b>3964</b> | <b>4698</b> | <b>52935</b>     |           |
| <b>Total (%)</b>        | <b>8.0</b>  | <b>7.5</b>  | <b>9.5</b>  | <b>9.2</b>  | <b>7.8</b>  | <b>10.0</b> | <b>8.7</b>  | <b>9.7</b>  | <b>7.8</b>  | <b>5.5</b>  | <b>7.5</b>  | <b>8.9</b>  |                  |           |

**Table 21 (b) Value (AED '000) of catches by launch in Eastern Abu Dhabi.**

|                         | JAN         | FEB         | MAR         | APR         | MAY         | JUN         | JUL         | AUG         | SEP         | OCT         | NOV         | DEC         | Total<br>(AED '000) | Total (%) |
|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|-----------|
| <i>A. bifasciatus</i>   | 20          | 6           | 14          | 0           | 0           | 6           | 10          | 8           | 10          | 2           | 4           | 15          | 96                  | 0.2       |
| <i>A. Spinifer</i>      | 112         | 126         | 189         | 134         | 28          | 17          | 38          | 28          | 58          | 17          | 26          | 114         | 886                 | 1.9       |
| Sphyraenidae            | 0           | 9           | 0           | 3           | 1           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 14                  | 0.0       |
| Carangidae              | 227         | 404         | 224         | 898         | 808         | 1577        | 1720        | 1646        | 1468        | 1093        | 1156        | 928         | 12148               | 26.6      |
| Clupeidae               | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0                   | 0.0       |
| Gerridae                | 0           | 0           | 1           | 0           | 0           | 0           | 0           | 6           | 0           | 0           | 0           | 0           | 6                   | 0.0       |
| Haemulidae              | 43          | 40          | 43          | 32          | 22          | 42          | 37          | 73          | 58          | 41          | 39          | 33          | 503                 | 1.1       |
| Lethrinidae             | 704         | 694         | 1059        | 1209        | 1383        | 1571        | 1139        | 1754        | 965         | 727         | 765         | 858         | 12829               | 28.1      |
| Lutjanidae              | 11          | 2           | 0           | 7           | 3           | 5           | 12          | 26          | 26          | 17          | 14          | 1           | 124                 | 0.3       |
| Mixed                   | 18          | 23          | 27          | 4           | 8           | 4           | 4           | 3           | 0           | 2           | 6           | 9           | 109                 | 0.2       |
| Mugilidae               | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 261         | 0           | 261                 | 0.6       |
| Nemipteridae            | 0           | 3           | 2           | 0           | 0           | 0           | 1           | 1           | 0           | 0           | 0           | 1           | 8                   | 0.0       |
| Other demersals         | 0           | 9           | 8           | 28          | 19          | 3           | 7           | 39          | 11          | 12          | 35          | 26          | 197                 | 0.4       |
| Other pelagics          | 22          | 59          | 4           | 33          | 22          | 16          | 20          | 6           | 6           | 1           | 42          | 15          | 246                 | 0.5       |
| Others                  | 2           | 3           | 2           | 0           | 4           | 9           | 5           | 1           | 2           | 1           | 26          | 11          | 66                  | 0.1       |
| Scomberoides            | 0           | 0           | 0           | 0           | 55          | 277         | 26          | 72          | 71          | 8           | 0           | 19          | 527                 | 1.2       |
| Shark and Ray           | 34          | 107         | 63          | 206         | 30          | 0           | 17          | 0           | 0           | 0           | 0           | 61          | 520                 | 1.1       |
| Scads                   | 3           | 8           | 0           | 67          | 274         | 155         | 28          | 18          | 75          | 33          | 65          | 24          | 749                 | 1.6       |
| <i>S. commerson</i>     | 77          | 0           | 2           | 42          | 9           | 0           | 2           | 0           | 0           | 35          | 41          | 129         | 338                 | 0.7       |
| Scaridae                | 43          | 35          | 4           | 19          | 4           | 52          | 72          | 34          | 63          | 29          | 33          | 78          | 464                 | 1.0       |
| Serranidae              | 1120        | 1699        | 2948        | 1663        | 910         | 885         | 913         | 964         | 975         | 690         | 1193        | 1138        | 15096               | 33.1      |
| Siganidae               | 8           | 0           | 10          | 10          | 4           | 16          | 11          | 20          | 9           | 8           | 3           | 5           | 103                 | 0.2       |
| Other Sparidae          | 65          | 118         | 96          | 32          | 5           | 8           | 9           | 0           | 0           | 0           | 0           | 29          | 362                 | 0.8       |
| <b>Total (AED '000)</b> | <b>2508</b> | <b>3344</b> | <b>4696</b> | <b>4390</b> | <b>3587</b> | <b>4642</b> | <b>4069</b> | <b>4699</b> | <b>3796</b> | <b>2715</b> | <b>3710</b> | <b>3496</b> | <b>45652</b>        |           |
| <b>Total (%)</b>        | <b>5.5</b>  | <b>7.3</b>  | <b>10.3</b> | <b>9.6</b>  | <b>7.9</b>  | <b>10.2</b> | <b>8.9</b>  | <b>10.3</b> | <b>8.3</b>  | <b>5.9</b>  | <b>8.1</b>  | <b>7.7</b>  |                     |           |

**Table 21 (c) Value (AED '000) of catches by launch in Western Abu Dhabi.**

|                         | JAN         | FEB        | MAR        | APR        | MAY        | JUN        | JUL        | AUG        | SEP        | OCT        | NOV        | DEC         | Total<br>(AED '000) | Total (%) |
|-------------------------|-------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|---------------------|-----------|
| <i>A. bifasciatus</i>   | 3           | 4          | 2          | 2          | 1          | 0          | 1          | 1          | 0          | 0          | 0          | 1           | 15                  | 0.2       |
| <i>A. Spinifer</i>      | 0           | 2          | 1          | 0          | 0          | 0          | 0          | 0          | 18         | 0          | 0          | 0           | 21                  | 0.3       |
| Sphyraenidae            | 3           | 0          | 0          | 0          | 1          | 0          | 0          | 1          | 0          | 3          | 0          | 1           | 8                   | 0.1       |
| Carangidae              | 72          | 83         | 25         | 50         | 115        | 128        | 135        | 140        | 160        | 23         | 51         | 2           | 981                 | 13.5      |
| Clupeidae               | 0           | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0           | 0                   | 0.0       |
| Gerridae                | 0           | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0           | 0                   | 0.0       |
| Haemulidae              | 42          | 42         | 32         | 55         | 30         | 6          | 37         | 34         | 31         | 19         | 24         | 9           | 363                 | 5.0       |
| Lethrinidae             | 130         | 81         | 29         | 122        | 193        | 149        | 124        | 61         | 15         | 13         | 16         | 36          | 970                 | 13.3      |
| Lutjanidae              | 0           | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0           | 0                   | 0.0       |
| Mixed                   | 0           | 1          | 0          | 1          | 1          | 1          | 0          | 0          | 0          | 0          | 0          | 0           | 5                   | 0.1       |
| Mugilidae               | 0           | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0           | 0                   | 0.0       |
| Nemipteridae            | 0           | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0           | 0                   | 0.0       |
| Other demersals         | 0           | 0          | 0          | 0          | 2          | 0          | 0          | 0          | 0          | 0          | 0          | 0           | 3                   | 0.0       |
| Other pelagics          | 2           | 0          | 0          | 2          | 1          | 0          | 0          | 0          | 0          | 0          | 0          | 0           | 5                   | 0.1       |
| Others                  | 0           | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0           | 0                   | 0.0       |
| Scomberoides            | 0           | 0          | 0          | 11         | 15         | 0          | 0          | 0          | 0          | 0          | 0          | 0           | 26                  | 0.4       |
| Shark and Ray           | 6           | 0          | 0          | 4          | 3          | 110        | 0          | 0          | 0          | 0          | 0          | 0           | 123                 | 1.7       |
| Scads                   | 0           | 0          | 0          | 6          | 16         | 16         | 11         | 1          | 0          | 0          | 0          | 0           | 50                  | 0.7       |
| <i>S. commerson</i>     | 1031        | 63         | 28         | 7          | 8          | 0          | 0          | 0          | 0          | 24         | 53         | 1082        | 2295                | 31.5      |
| Scaridae                | 1           | 0          | 0          | 0          | 0          | 0          | 0          | 1          | 0          | 0          | 0          | 0           | 3                   | 0.0       |
| Serranidae              | 425         | 334        | 205        | 217        | 147        | 191        | 209        | 187        | 127        | 111        | 109        | 68          | 2329                | 32.0      |
| Siganidae               | 0           | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 1           | 1                   | 0.0       |
| Other Sparidae          | 1           | 9          | 3          | 1          | 2          | 59         | 1          | 0          | 5          | 0          | 1          | 2           | 84                  | 1.2       |
| <b>Total (AED '000)</b> | <b>1715</b> | <b>620</b> | <b>326</b> | <b>479</b> | <b>534</b> | <b>661</b> | <b>518</b> | <b>426</b> | <b>356</b> | <b>193</b> | <b>254</b> | <b>1202</b> | <b>7283</b>         |           |
| <b>Total (%)</b>        | <b>23.5</b> | <b>8.5</b> | <b>4.5</b> | <b>6.6</b> | <b>7.3</b> | <b>9.1</b> | <b>7.1</b> | <b>5.8</b> | <b>4.9</b> | <b>2.6</b> | <b>3.5</b> | <b>16.5</b> |                     |           |

**Table 22 (a) Value (AED '000) of catches by tarad in Abu Dhabi Emirate.**

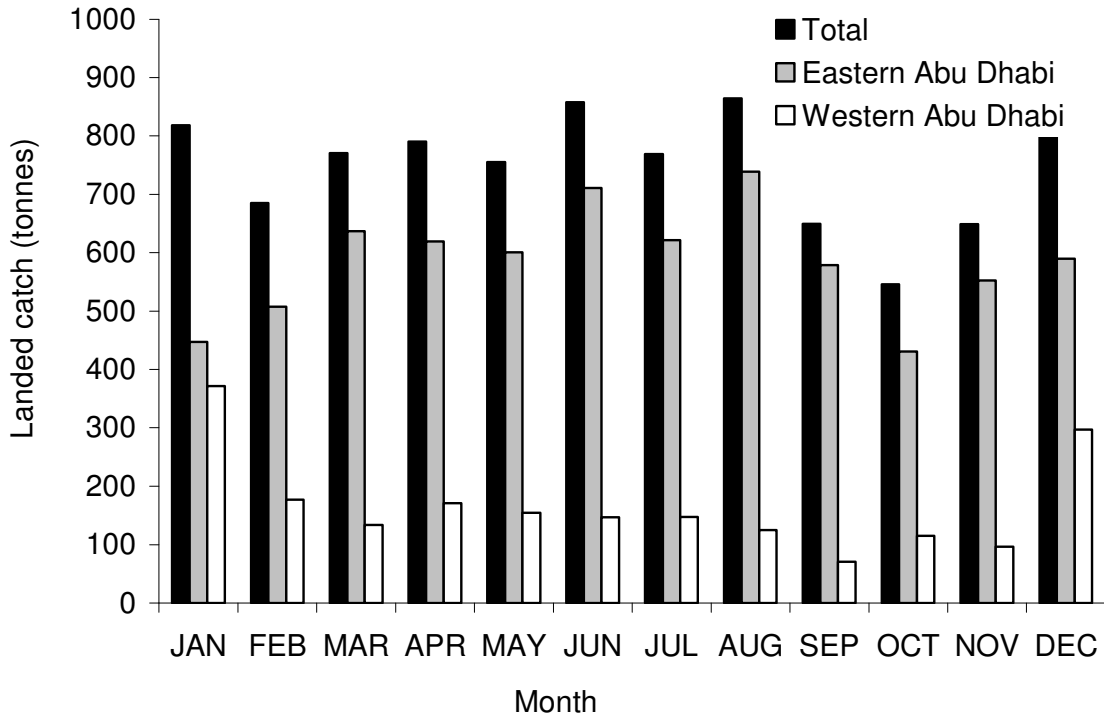
|                         | JAN         | FEB         | MAR         | APR         | MAY         | JUN         | JUL         | AUG         | SEP         | OCT         | NOV         | DEC         | Total<br>(AED '000) | Total (%) |
|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|-----------|
| <i>A. bifasciatus</i>   | 3           | 26          | 2           | 0           | 0           | 0           | 1           | 2           | 3           | 0           | 1           | 1           | 39                  | 0.2       |
| <i>A. Spinifer</i>      | 0           | 0           | 0           | 1           | 3           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 4                   | 0.0       |
| <i>Sphyraenidae</i>     | 8           | 4           | 7           | 19          | 18          | 6           | 7           | 0           | 3           | 5           | 6           | 10          | 94                  | 0.4       |
| <i>Carangidae</i>       | 373         | 224         | 152         | 182         | 366         | 295         | 894         | 952         | 476         | 379         | 395         | 77          | 4766                | 22.2      |
| <i>Clupeidae</i>        | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0                   | 0.0       |
| <i>Gerridae</i>         | 29          | 24          | 14          | 0           | 11          | 20          | 36          | 41          | 42          | 29          | 33          | 32          | 310                 | 1.4       |
| <i>Haemulidae</i>       | 20          | 4           | 5           | 32          | 30          | 9           | 27          | 28          | 19          | 11          | 14          | 13          | 212                 | 1.0       |
| <i>Lethrinidae</i>      | 439         | 108         | 141         | 66          | 112         | 363         | 251         | 193         | 147         | 435         | 182         | 260         | 2696                | 12.6      |
| <i>Lutjanidae</i>       | 0           | 0           | 63          | 26          | 16          | 9           | 23          | 13          | 29          | 0           | 0           | 0           | 179                 | 0.8       |
| Mixed                   | 0           | 0           | 1           | 3           | 0           | 0           | 0           | 0           | 0           | 1           | 1           | 2           | 10                  | 0.0       |
| <i>Mugilidae</i>        | 2           | 0           | 1           | 3           | 9           | 35          | 11          | 7           | 12          | 75          | 2           | 0           | 155                 | 0.7       |
| <i>Nemipteridae</i>     | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0                   | 0.0       |
| Other demersals         | 2           | 7           | 9           | 10          | 11          | 1           | 1           | 0           | 1           | 4           | 4           | 4           | 53                  | 0.2       |
| Other pelagics          | 4           | 5           | 24          | 4           | 10          | 33          | 35          | 25          | 11          | 36          | 4           | 12          | 202                 | 0.9       |
| Others                  | 0           | 2           | 1           | 0           | 1           | 1           | 3           | 0           | 0           | 24          | 5           | 7           | 44                  | 0.2       |
| <i>Scomberoides</i>     | 6           | 10          | 36          | 165         | 83          | 40          | 29          | 58          | 59          | 25          | 38          | 59          | 606                 | 2.8       |
| Shark and Ray           | 10          | 31          | 26          | 54          | 6           | 31          | 0           | 2           | 2           | 2           | 26          | 108         | 297                 | 1.4       |
| Scads                   | 1           | 11          | 12          | 13          | 20          | 3           | 1           | 1           | 5           | 7           | 2           | 1           | 75                  | 0.4       |
| <i>S. commerson</i>     | 1497        | 987         | 610         | 415         | 473         | 549         | 274         | 3           | 125         | 229         | 466         | 2795        | 8424                | 39.3      |
| <i>Scaridae</i>         | 0           | 0           | 1           | 17          | 1           | 1           | 0           | 1           | 0           | 0           | 24          | 2           | 46                  | 0.2       |
| <i>Serranidae</i>       | 356         | 94          | 61          | 142         | 299         | 192         | 281         | 378         | 208         | 192         | 267         | 106         | 2576                | 12.0      |
| <i>Siganidae</i>        | 69          | 12          | 4           | 13          | 5           | 26          | 6           | 3           | 33          | 9           | 29          | 28          | 236                 | 1.1       |
| Other Sparidae          | 10          | 1           | 10          | 4           | 19          | 49          | 33          | 122         | 28          | 22          | 73          | 47          | 417                 | 1.9       |
| <b>Total (AED '000)</b> | <b>2830</b> | <b>1549</b> | <b>1176</b> | <b>1169</b> | <b>1493</b> | <b>1664</b> | <b>1913</b> | <b>1829</b> | <b>1201</b> | <b>1484</b> | <b>1571</b> | <b>3563</b> | <b>21442</b>        |           |
| <b>Total (%)</b>        | <b>13.2</b> | <b>7.2</b>  | <b>5.5</b>  | <b>5.5</b>  | <b>7.0</b>  | <b>7.8</b>  | <b>8.9</b>  | <b>8.5</b>  | <b>5.6</b>  | <b>6.9</b>  | <b>7.3</b>  | <b>16.6</b> |                     |           |

**Table 22 (b) Value (AED '000) of catches by tarad in Eastern Abu Dhabi.**

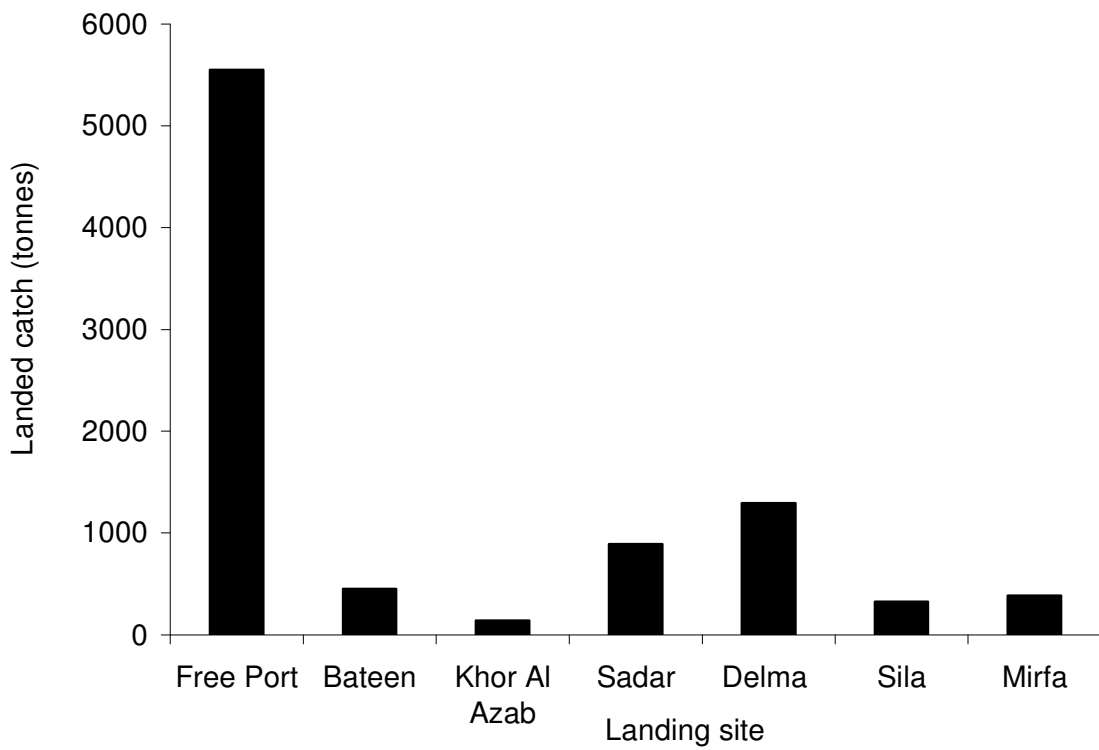
|                         | JAN        | FEB        | MAR        | APR        | MAY        | JUN         | JUL         | AUG         | SEP         | OCT        | NOV         | DEC         | Total<br>(AED '000) | Total (%) |
|-------------------------|------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|------------|-------------|-------------|---------------------|-----------|
| <i>A. bifasciatus</i>   | 3          | 0          | 0          | 0          | 0          | 0           | 1           | 2           | 3           | 0          | 1           | 1           | 11                  | 0.1       |
| <i>A. Spinifer</i>      | 0          | 0          | 0          | 0          | 0          | 0           | 0           | 0           | 0           | 0          | 0           | 0           | 0                   | 0.0       |
| Sphraenidae             | 3          | 2          | 4          | 2          | 18         | 6           | 6           | 0           | 3           | 5          | 6           | 7           | 63                  | 0.5       |
| Carangidae              | 339        | 198        | 82         | 120        | 207        | 145         | 670         | 827         | 459         | 354        | 360         | 75          | 3835                | 32.5      |
| Clupeidae               | 0          | 0          | 0          | 0          | 0          | 0           | 0           | 0           | 0           | 0          | 0           | 0           | 0                   | 0.0       |
| Gerridae                | 29         | 24         | 14         | 0          | 11         | 20          | 36          | 41          | 42          | 29         | 33          | 32          | 310                 | 2.6       |
| Haemulidae              | 11         | 1          | 0          | 0          | 0          | 0           | 1           | 1           | 6           | 0          | 0           | 1           | 23                  | 0.2       |
| Lethrinidae             | 81         | 41         | 51         | 20         | 29         | 227         | 171         | 143         | 147         | 69         | 43          | 123         | 1143                | 9.7       |
| Lutjanidae              | 0          | 0          | 0          | 26         | 16         | 9           | 23          | 13          | 29          | 0          | 0           | 0           | 116                 | 1.0       |
| Mixed                   | 0          | 0          | 1          | 2          | 0          | 0           | 0           | 0           | 0           | 1          | 1           | 2           | 8                   | 0.1       |
| Mugilidae               | 2          | 0          | 1          | 3          | 9          | 35          | 11          | 7           | 12          | 75         | 2           | 0           | 155                 | 1.3       |
| Nemipteridae            | 0          | 0          | 0          | 0          | 0          | 0           | 0           | 0           | 0           | 0          | 0           | 0           | 0                   | 0.0       |
| Other demersals         | 2          | 6          | 3          | 5          | 8          | 1           | 1           | 0           | 1           | 4          | 4           | 4           | 38                  | 0.3       |
| Other pelagics          | 3          | 3          | 21         | 2          | 8          | 33          | 35          | 25          | 11          | 36         | 4           | 12          | 192                 | 1.6       |
| Others                  | 0          | 1          | 0          | 0          | 1          | 1           | 3           | 0           | 0           | 24         | 5           | 7           | 43                  | 0.4       |
| Scomberoides            | 6          | 10         | 36         | 26         | 68         | 40          | 29          | 58          | 59          | 25         | 38          | 56          | 448                 | 3.8       |
| Shark and Ray           | 5          | 18         | 20         | 24         | 6          | 12          | 0           | 2           | 2           | 2          | 26          | 108         | 225                 | 1.9       |
| Scads                   | 0          | 11         | 12         | 12         | 17         | 0           | 1           | 1           | 5           | 7          | 2           | 1           | 68                  | 0.6       |
| <i>S. commerson</i>     | 223        | 301        | 295        | 201        | 473        | 549         | 267         | 3           | 125         | 220        | 362         | 896         | 3915                | 33.2      |
| Scaridae                | 0          | 0          | 1          | 17         | 1          | 1           | 0           | 1           | 0           | 0          | 24          | 2           | 46                  | 0.4       |
| Serranidae              | 141        | 40         | 12         | 12         | 38         | 22          | 9           | 10          | 63          | 44         | 69          | 32          | 493                 | 4.2       |
| Siganidae               | 69         | 12         | 4          | 13         | 5          | 26          | 6           | 3           | 33          | 9          | 29          | 28          | 236                 | 2.0       |
| Other Sparidae          | 10         | 1          | 10         | 4          | 19         | 45          | 33          | 122         | 28          | 22         | 73          | 47          | 413                 | 3.5       |
| <b>Total (AED '000)</b> | <b>926</b> | <b>670</b> | <b>564</b> | <b>488</b> | <b>935</b> | <b>1172</b> | <b>1303</b> | <b>1260</b> | <b>1026</b> | <b>926</b> | <b>1081</b> | <b>1432</b> | <b>11783</b>        |           |
| <b>Total (%)</b>        | <b>7.9</b> | <b>5.7</b> | <b>4.8</b> | <b>4.1</b> | <b>7.9</b> | <b>9.9</b>  | <b>11.1</b> | <b>10.7</b> | <b>8.7</b>  | <b>7.9</b> | <b>9.2</b>  | <b>12.2</b> |                     |           |

**Table 22 (c) Value (AED '000) of catches by tarad in Western Abu Dhabi.**

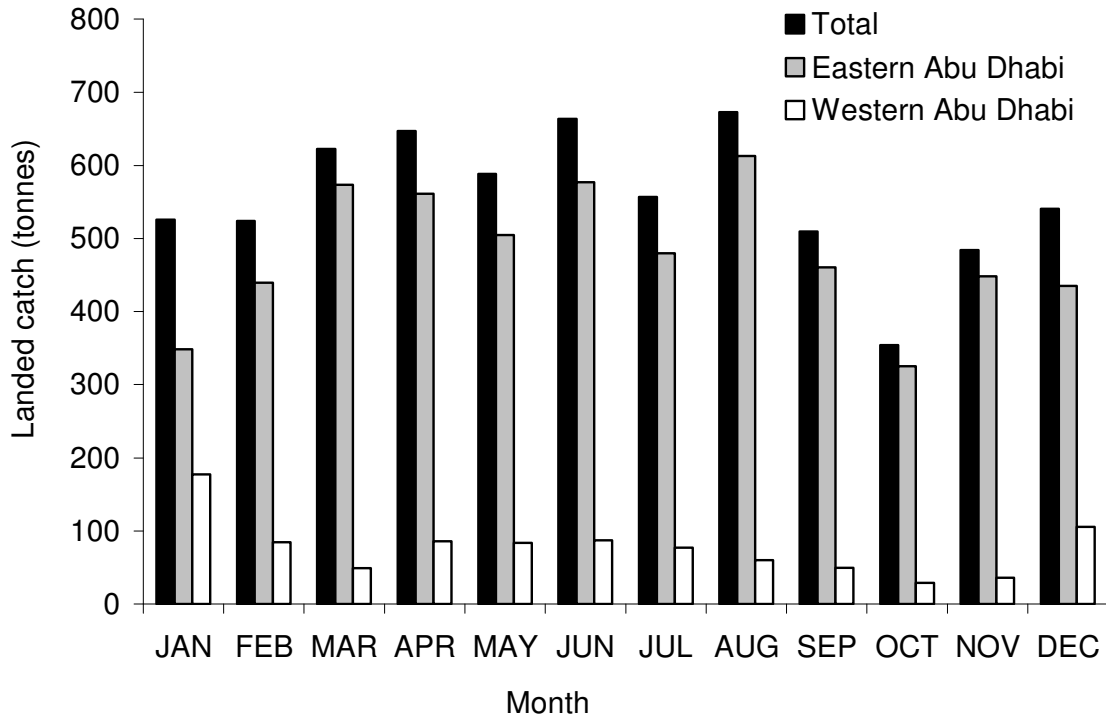
|                         | JAN         | FEB        | MAR        | APR        | MAY        | JUN        | JUL        | AUG        | SEP        | OCT        | NOV        | DEC         | Total<br>(AED '000) | Total (%) |
|-------------------------|-------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|---------------------|-----------|
| <i>A. bifasciatus</i>   | 0           | 26         | 2          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0           | 28                  | 0.3       |
| <i>A. Spinifer</i>      | 0           | 0          | 0          | 0          | 3          | 0          | 0          | 0          | 0          | 0          | 0          | 0           | 4                   | 0.0       |
| Sphyraenidae            | 5           | 2          | 3          | 17         | 0          | 0          | 1          | 0          | 0          | 0          | 0          | 2           | 30                  | 0.3       |
| Carangidae              | 35          | 27         | 70         | 62         | 160        | 151        | 223        | 125        | 17         | 25         | 35         | 2           | 931                 | 9.6       |
| Clupeidae               | 0           | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0           | 0                   | 0.0       |
| Gerridae                | 0           | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0           | 0                   | 0.0       |
| Haemulidae              | 9           | 4          | 5          | 31         | 30         | 9          | 26         | 27         | 13         | 10         | 14         | 12          | 190                 | 2.0       |
| Lethrinidae             | 359         | 66         | 90         | 46         | 83         | 136        | 80         | 50         | 1          | 367        | 139        | 137         | 1553                | 16.1      |
| Lutjanidae              | 0           | 0          | 63         | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0           | 63                  | 0.6       |
| Mixed                   | 0           | 0          | 0          | 1          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0           | 1                   | 0.0       |
| Mugilidae               | 0           | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0           | 0                   | 0.0       |
| Nemipteridae            | 0           | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0           | 0                   | 0.0       |
| Other demersals         | 0           | 1          | 6          | 6          | 3          | 0          | 0          | 0          | 0          | 0          | 0          | 0           | 15                  | 0.2       |
| Other pelagics          | 1           | 1          | 3          | 2          | 1          | 0          | 0          | 0          | 0          | 0          | 0          | 0           | 10                  | 0.1       |
| Others                  | 0           | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0           | 1                   | 0.0       |
| Scomberoides            | 0           | 0          | 0          | 139        | 15         | 0          | 0          | 0          | 0          | 0          | 0          | 3           | 157                 | 1.6       |
| Shark and Ray           | 4           | 13         | 6          | 30         | 0          | 19         | 0          | 0          | 0          | 0          | 0          | 0           | 72                  | 0.7       |
| Scads                   | 1           | 0          | 0          | 1          | 3          | 3          | 0          | 0          | 0          | 0          | 0          | 0           | 7                   | 0.1       |
| <i>S. commerson</i>     | 1275        | 685        | 316        | 214        | 0          | 0          | 8          | 0          | 1          | 8          | 104        | 1899        | 4510                | 46.7      |
| Scaridae                | 0           | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0           | 0                   | 0.0       |
| Serranidae              | 215         | 54         | 49         | 130        | 261        | 170        | 272        | 368        | 145        | 148        | 198        | 74          | 2083                | 21.6      |
| Siganidae               | 0           | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0           | 0                   | 0.0       |
| Other Sparidae          | 0           | 0          | 0          | 0          | 0          | 4          | 0          | 0          | 0          | 0          | 0          | 0           | 4                   | 0.0       |
| <b>Total (AED '000)</b> | <b>1903</b> | <b>879</b> | <b>612</b> | <b>681</b> | <b>558</b> | <b>492</b> | <b>611</b> | <b>569</b> | <b>175</b> | <b>558</b> | <b>490</b> | <b>2131</b> | <b>9659</b>         |           |
| <b>Total (%)</b>        | <b>19.7</b> | <b>9.1</b> | <b>6.3</b> | <b>7.0</b> | <b>5.8</b> | <b>5.1</b> | <b>6.3</b> | <b>5.9</b> | <b>1.8</b> | <b>5.8</b> | <b>5.1</b> | <b>22.1</b> |                     |           |



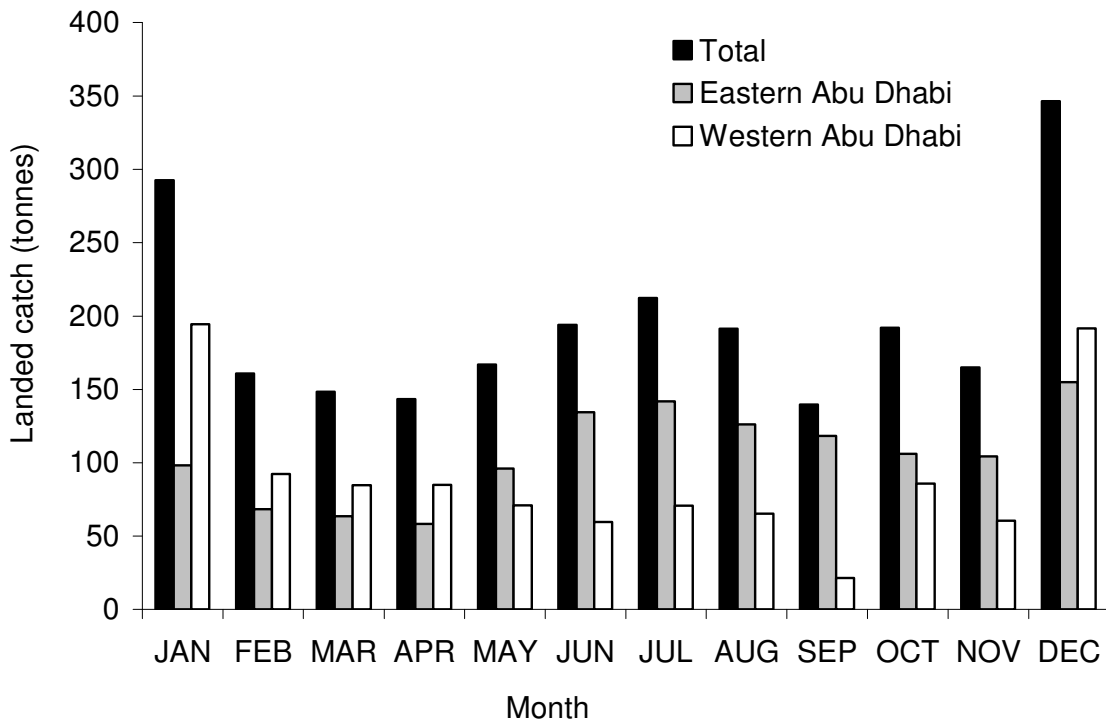
**Figure 2 Total catch by month and strata in the Emirate of Abu Dhabi.**



**Figure 3 Total landings by site in the Emirate of Abu Dhabi.**



**Figure 4 Total launch landings by month and strata.**



**Figure 5 Total tarad landings by month and strata.**

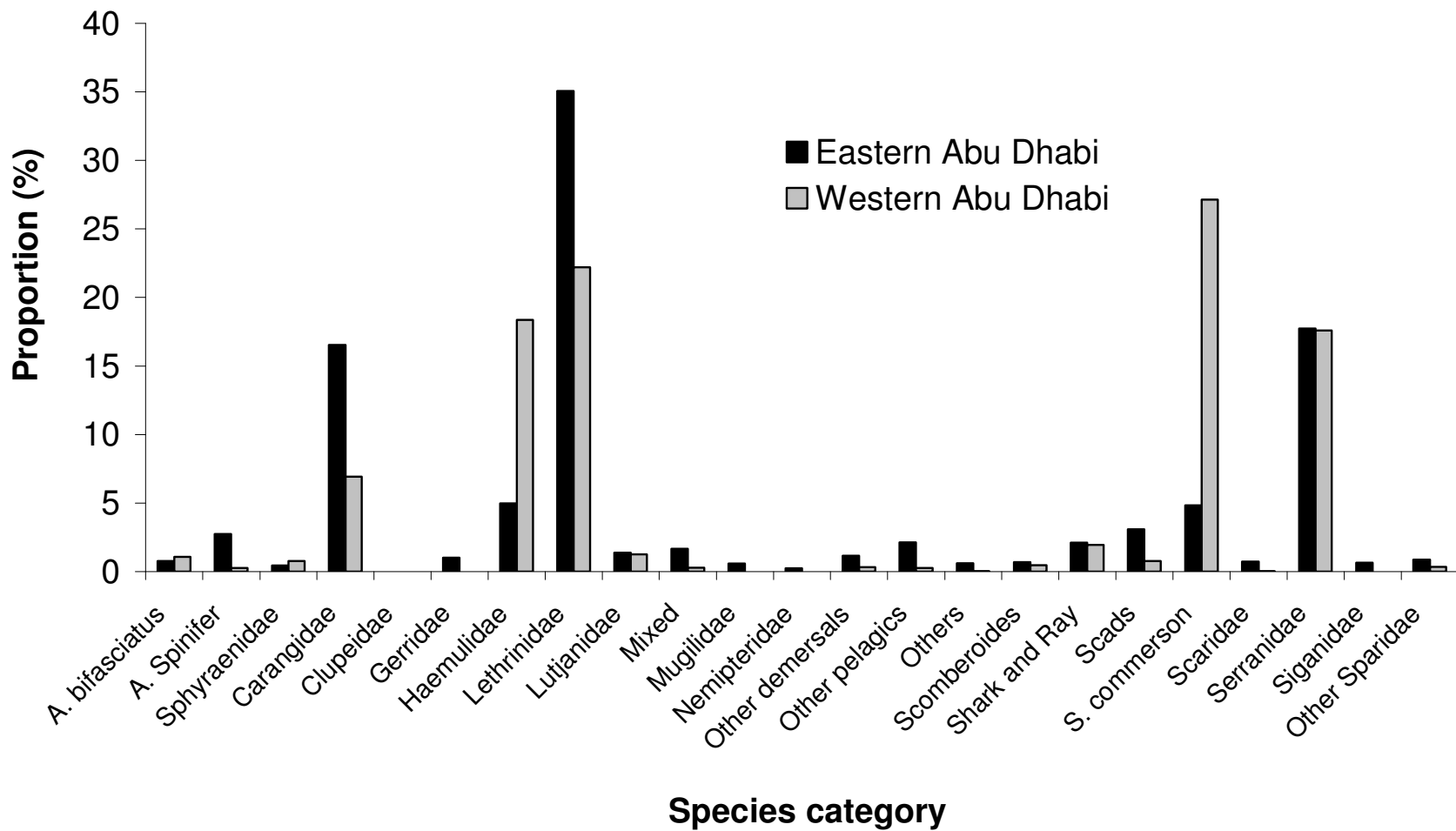


Figure 6 Species composition of the total catch by strata.

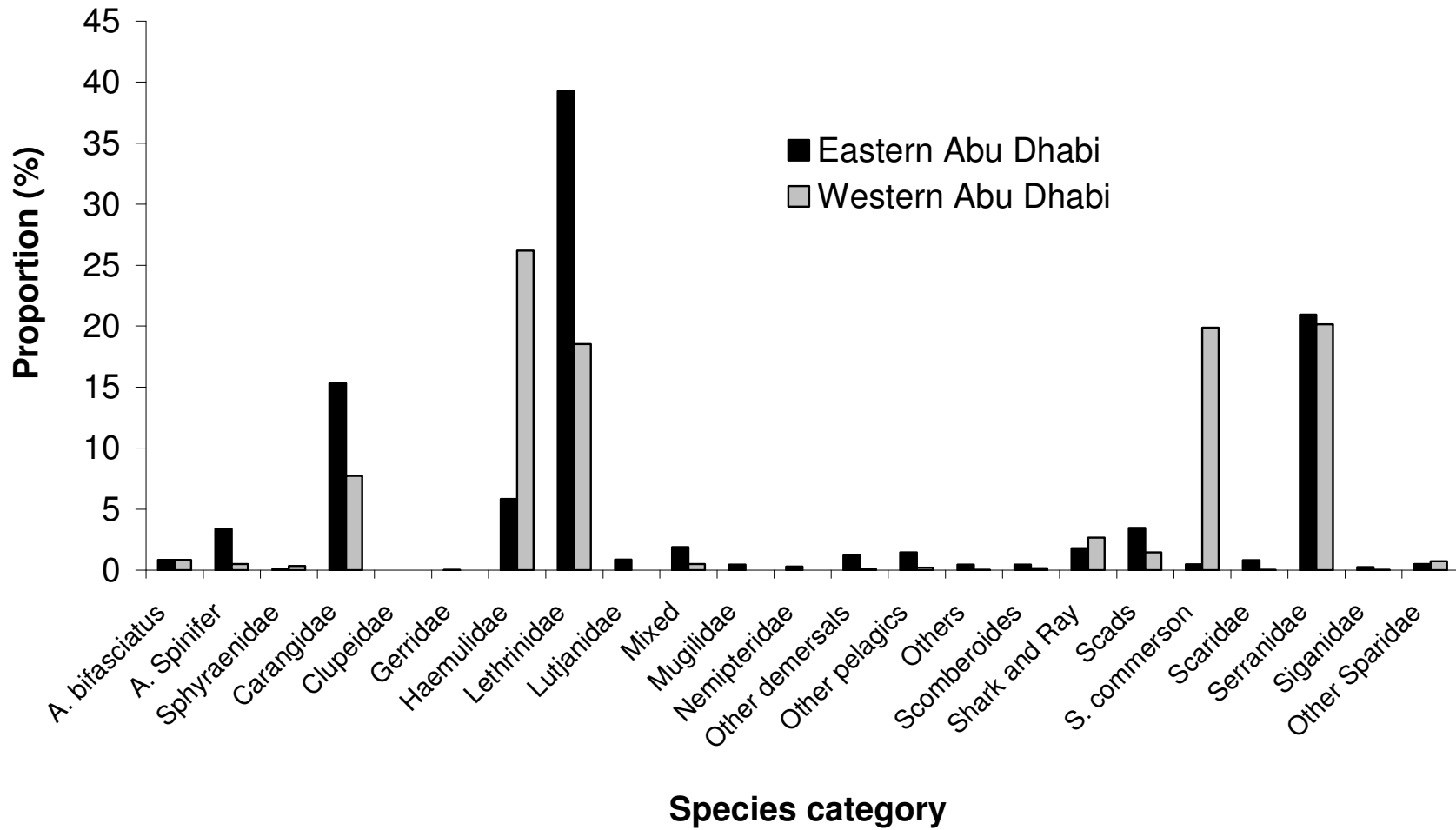
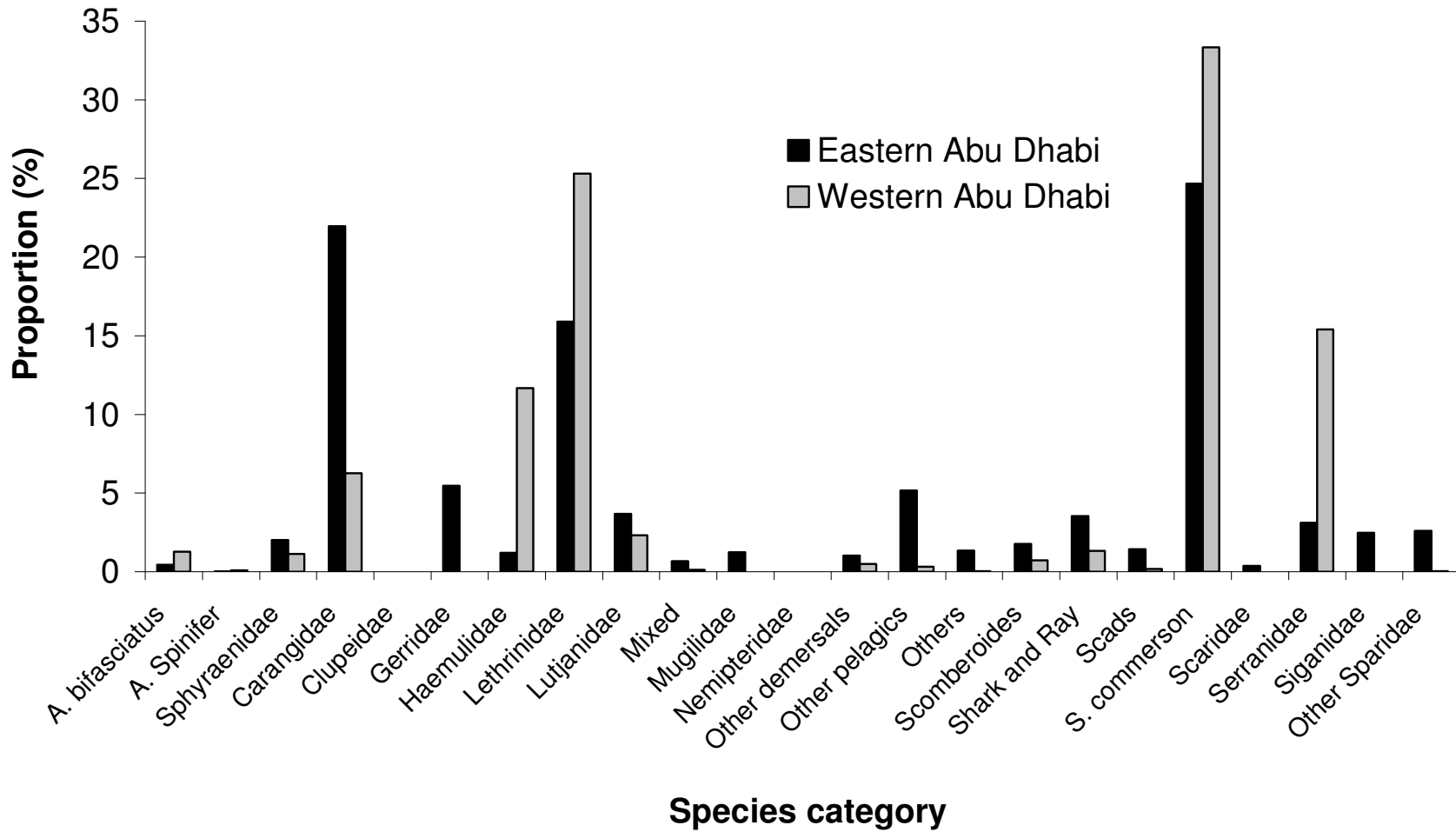
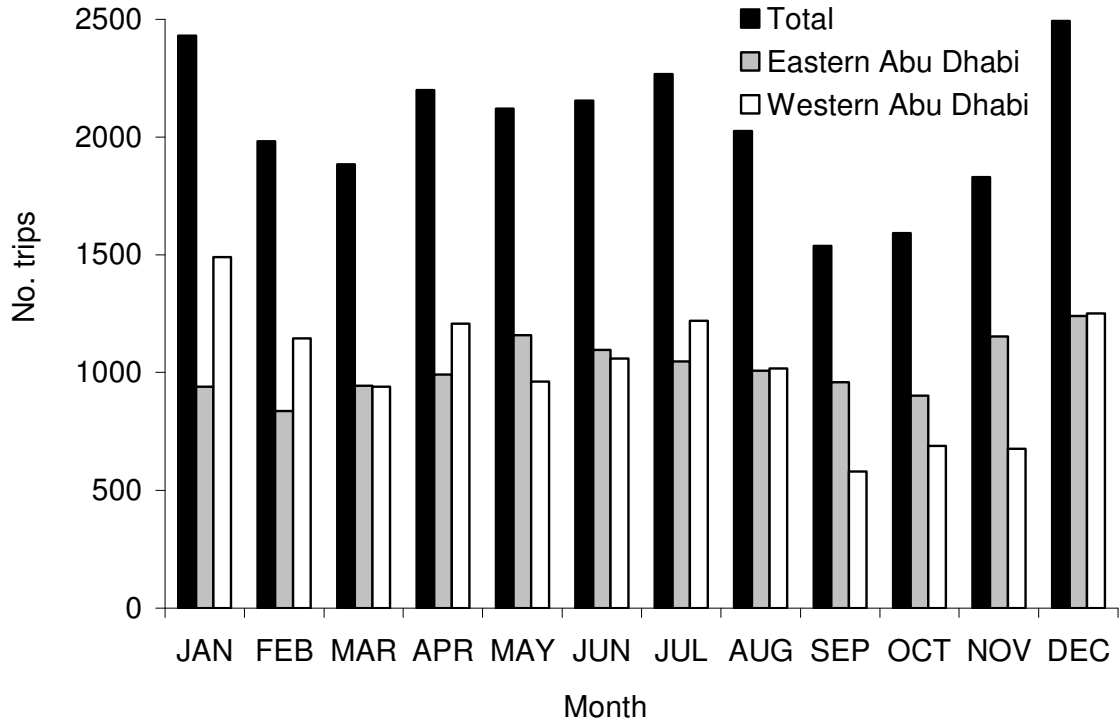


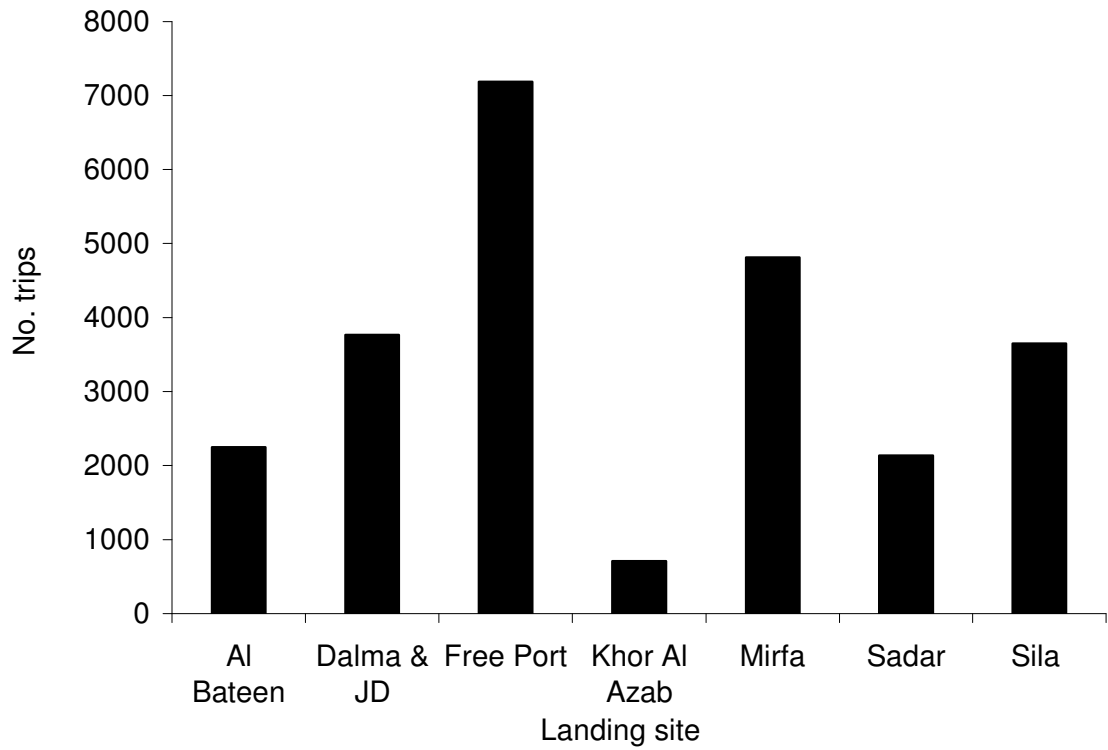
Figure 7 Species composition of launch landings by strata.



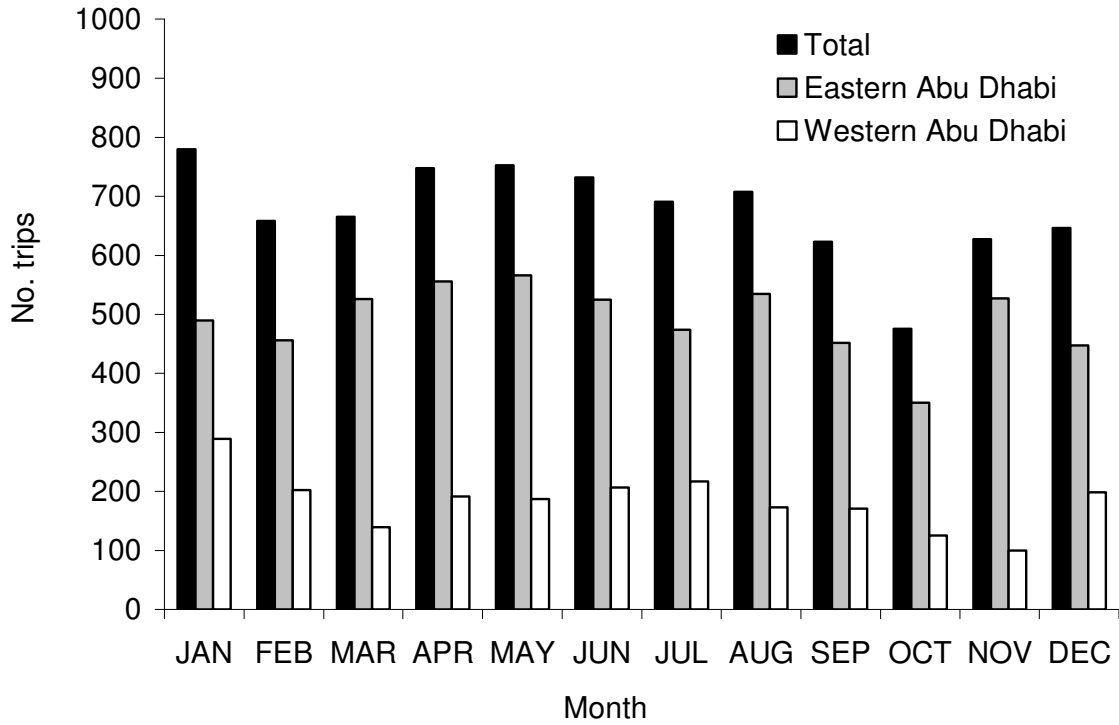
**Figure 8** Species composition of tarad landings by strata.



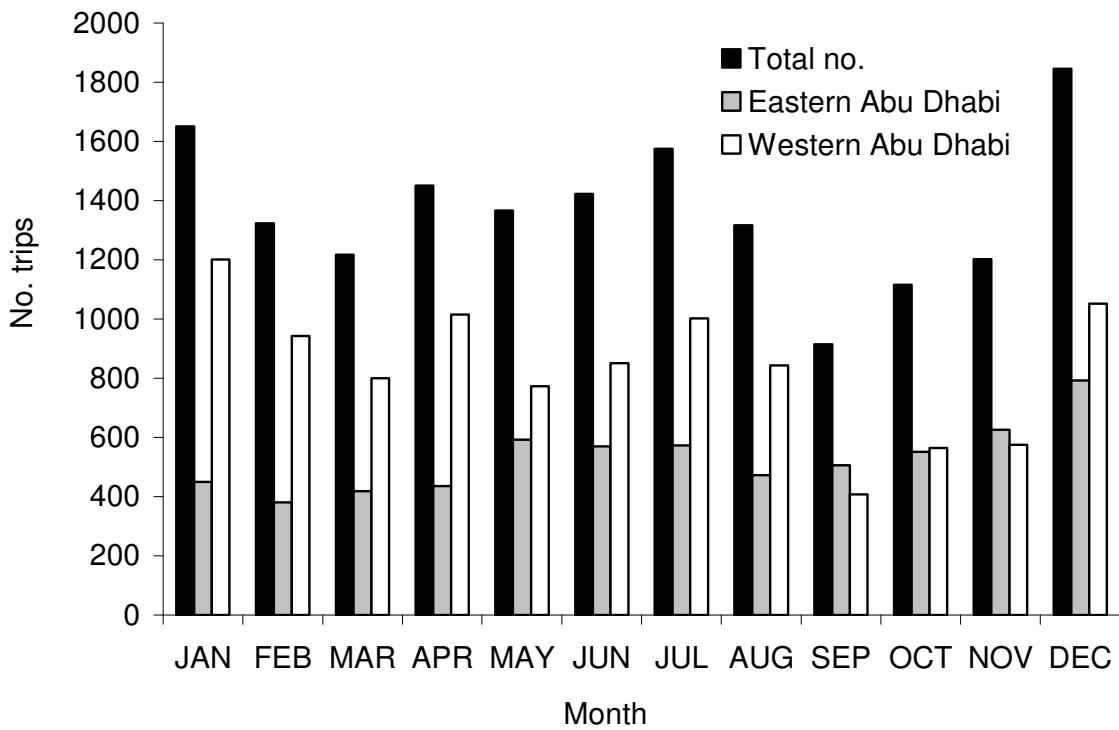
**Figure 9** Total number of fishing trips by strata in the Emirate of Abu Dhabi.



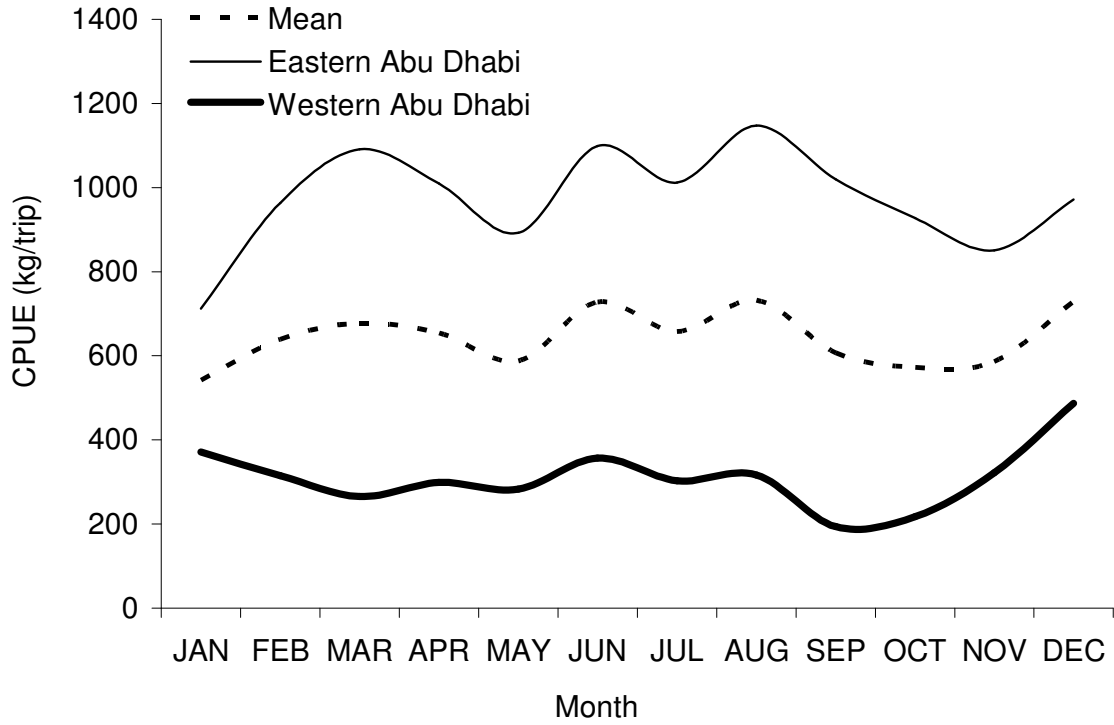
**Figure 10** Total number of fishing trips by site in the Emirate of Abu Dhabi.



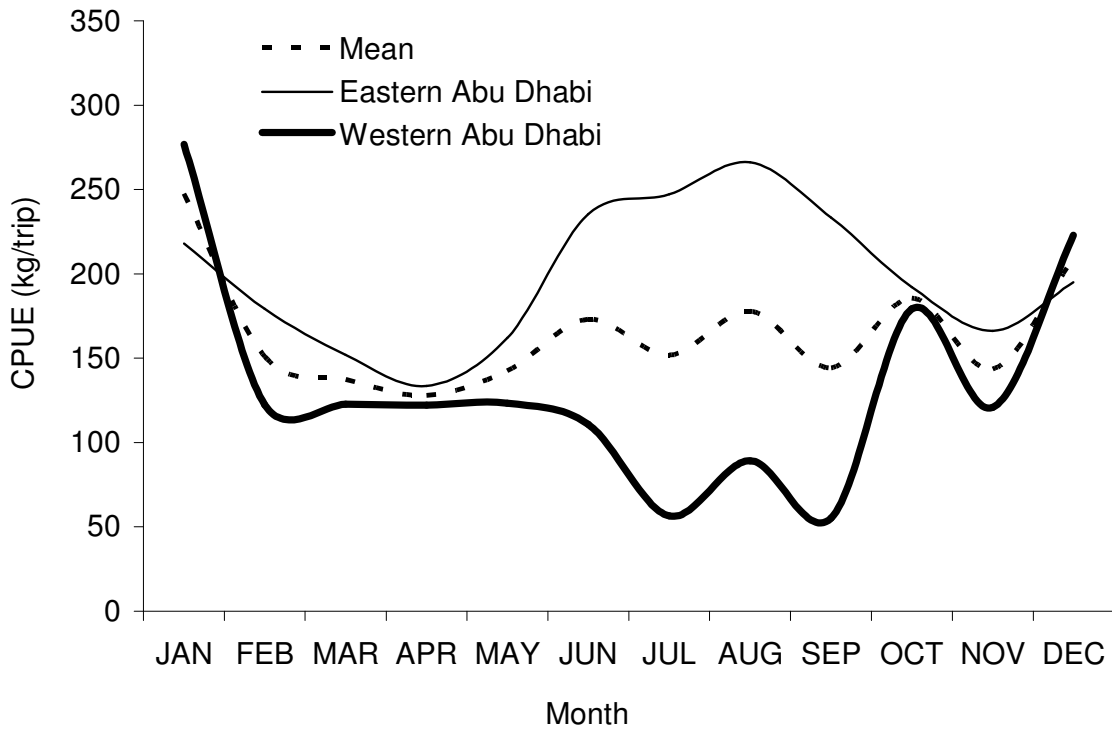
**Figure 11 Total number of launch trips by month and strata.**



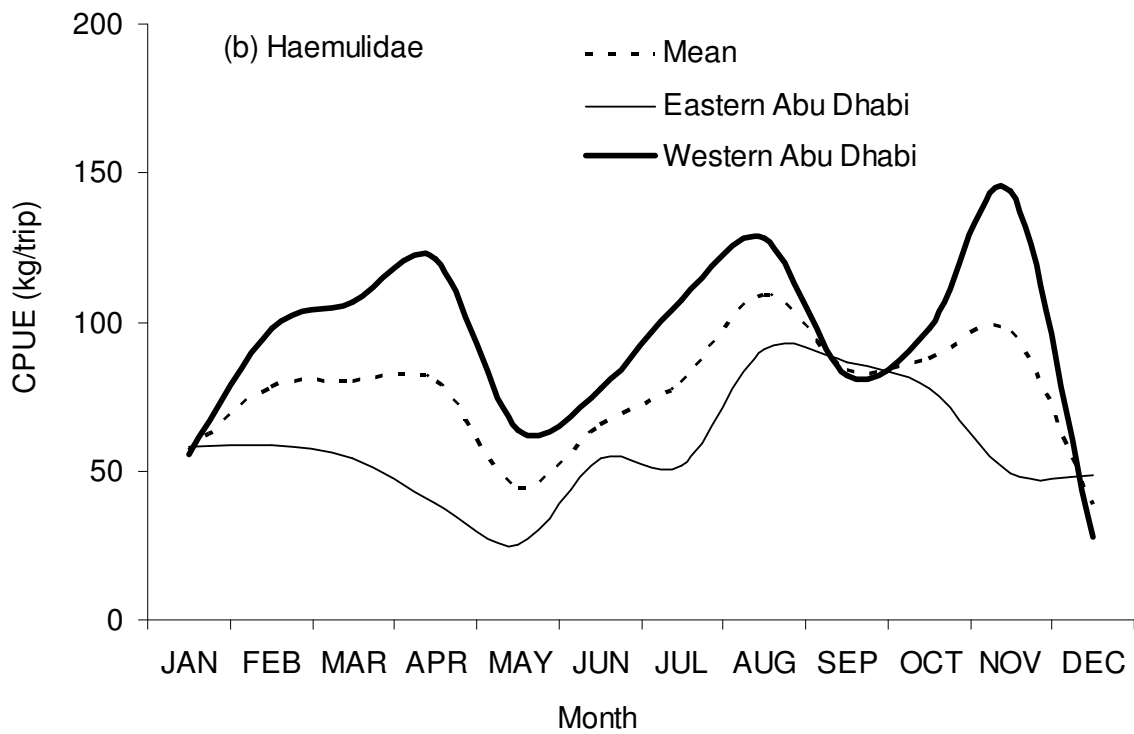
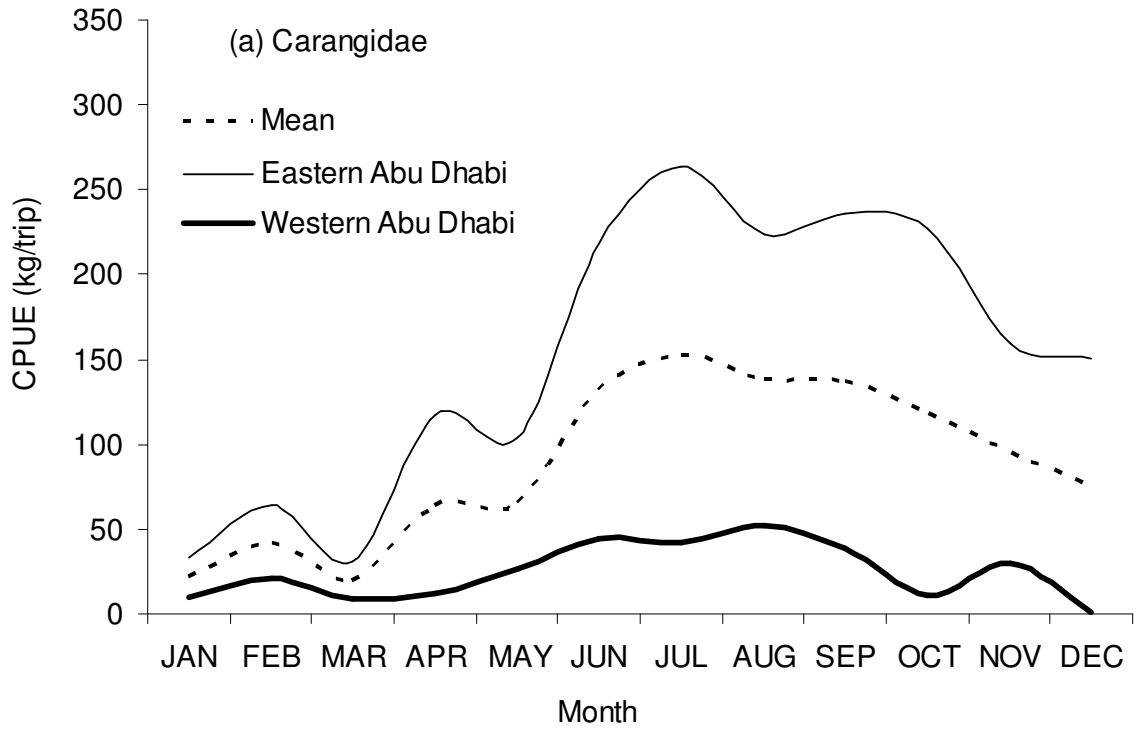
**Figure 12 Total number of tarad trips by month and strata.**



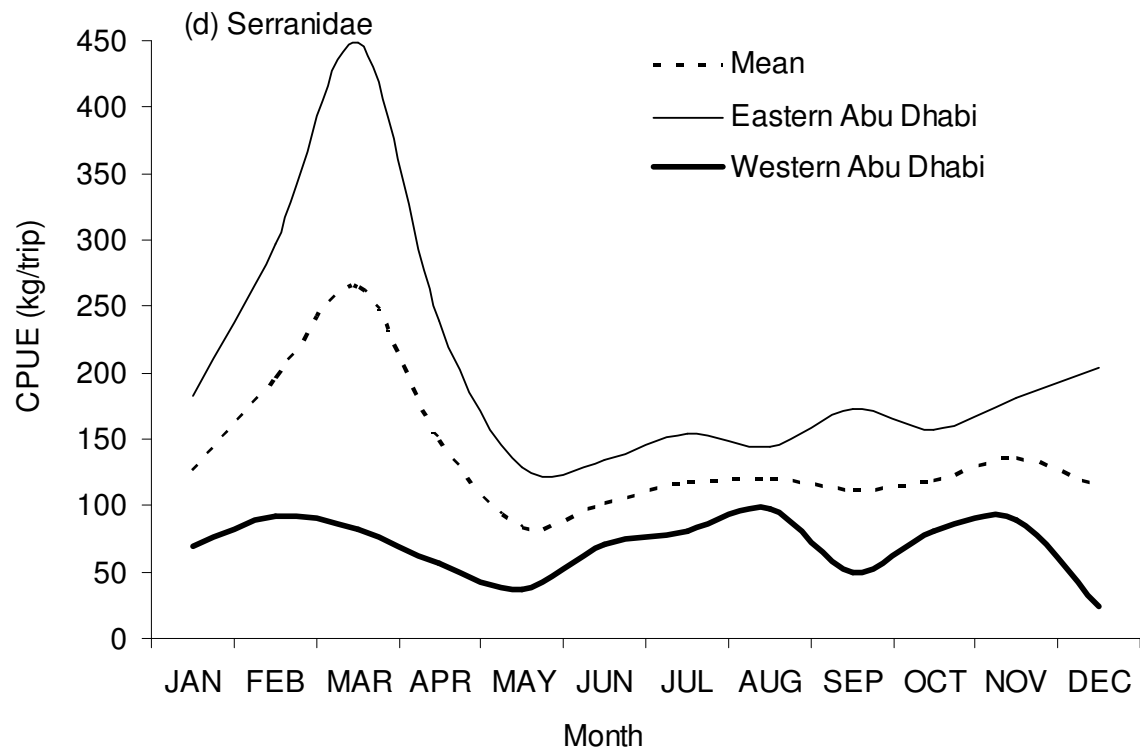
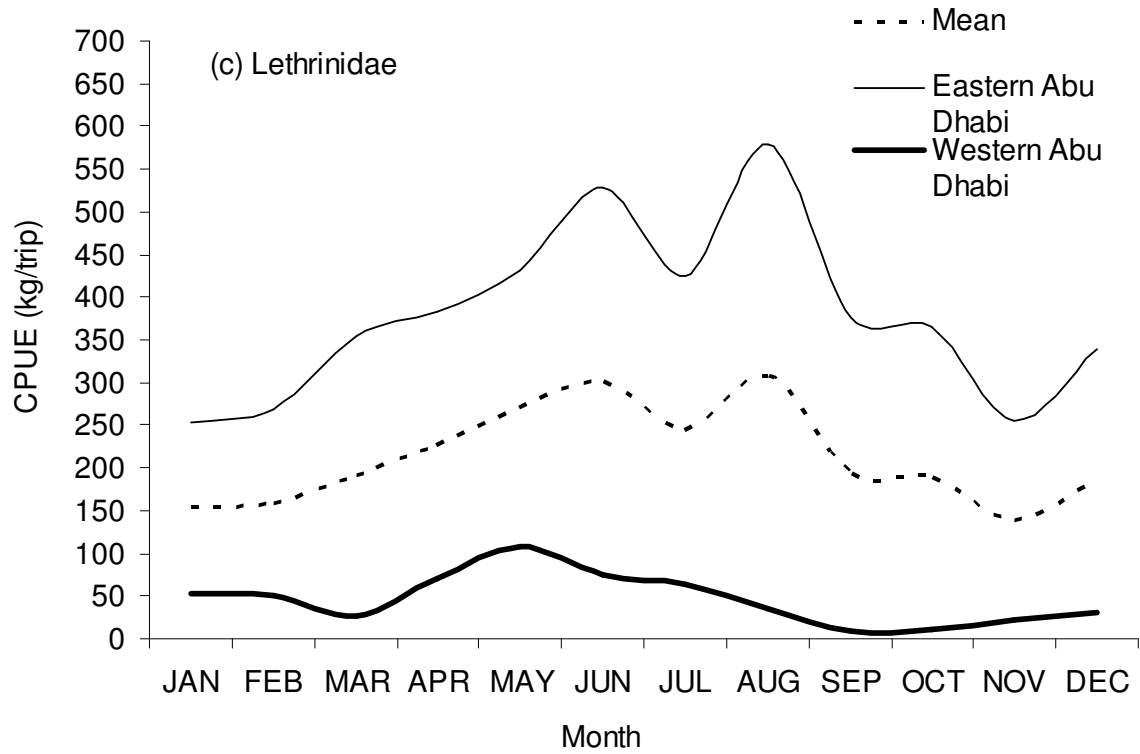
**Figure 13** Catch per unit effort for launch by month and strata.



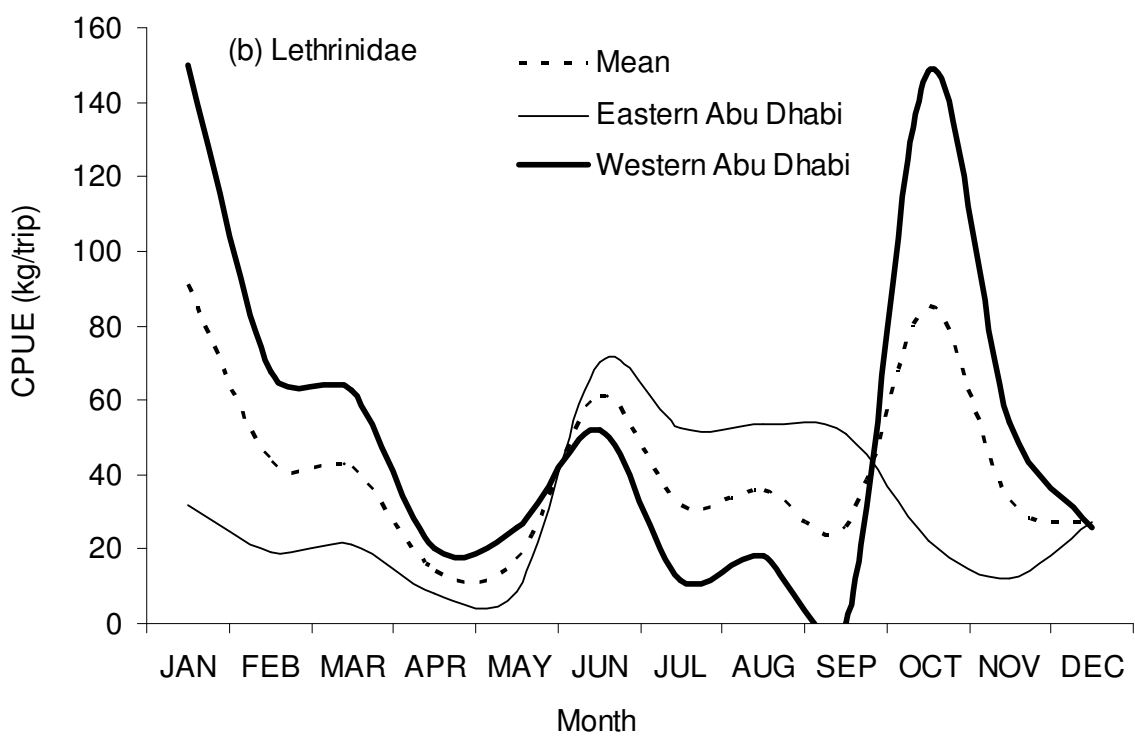
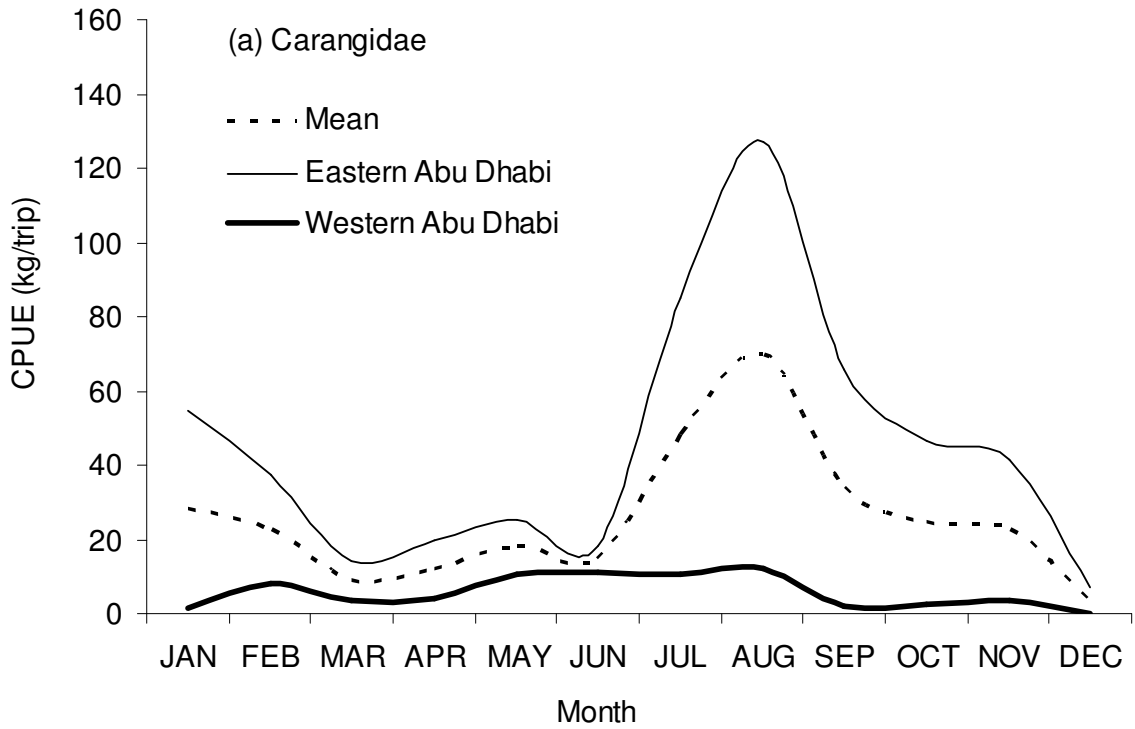
**Figure 14** Catch per unit effort for tarads by month and strata.



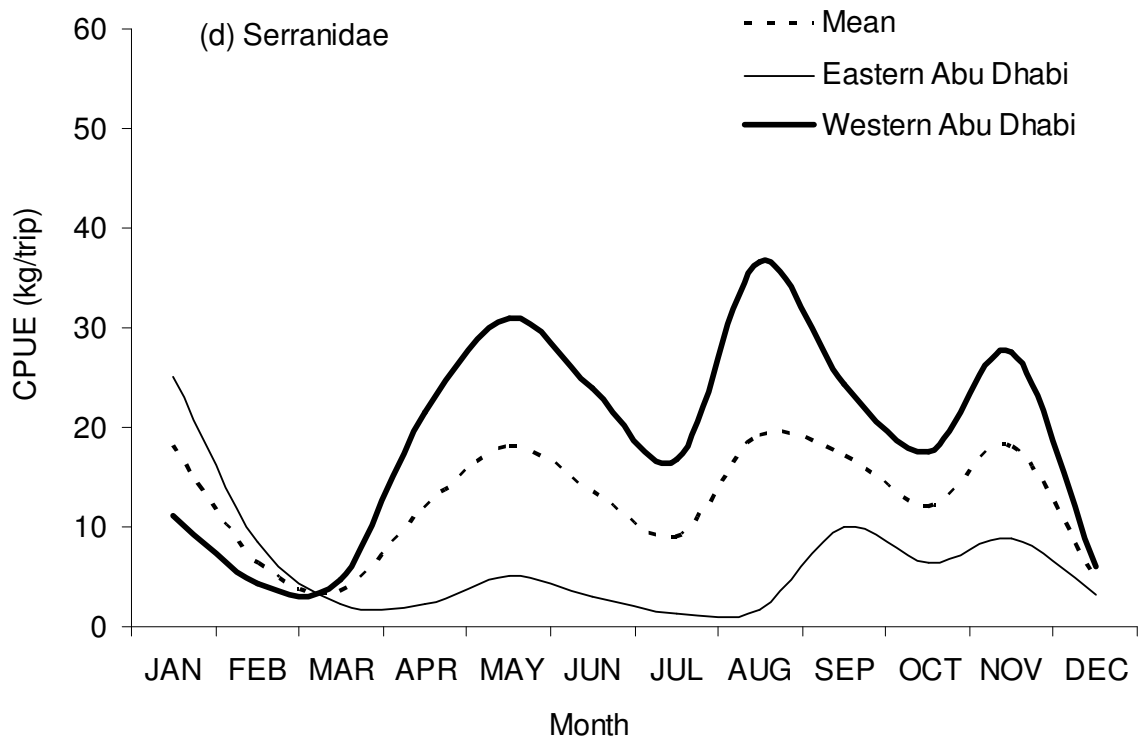
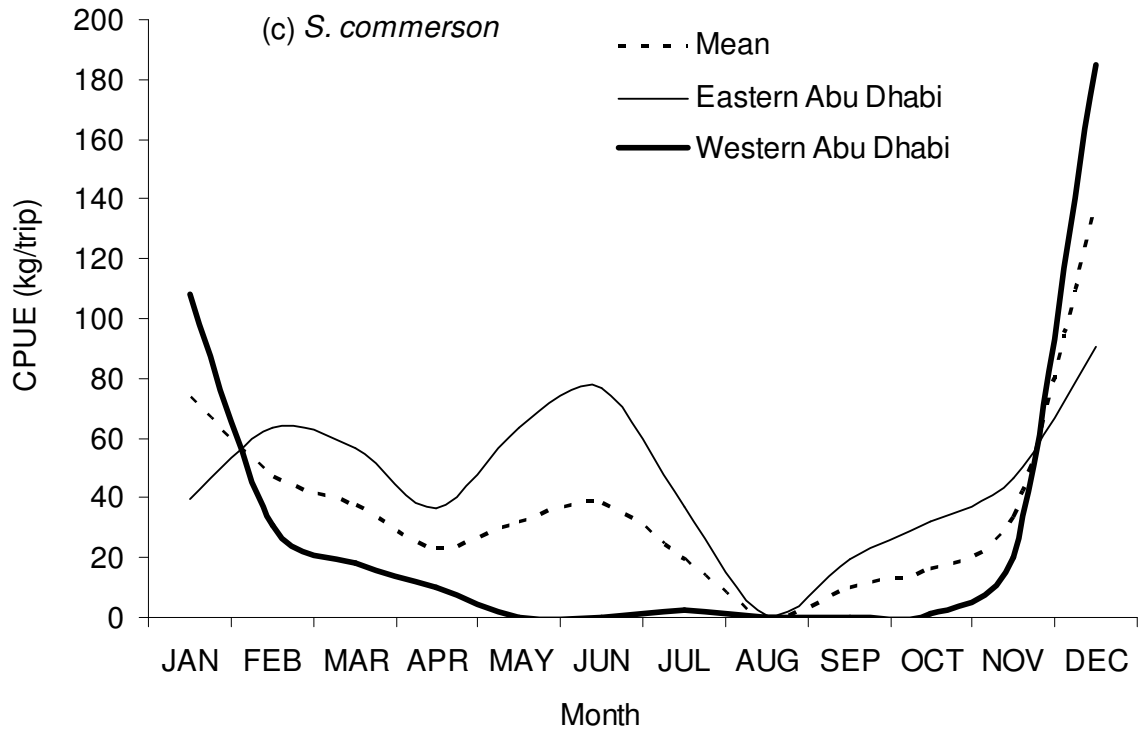
**Figure 15** Catch per unit effort of the principal species categories in the launch fishery:  
 (a) Carangidae (b) Haemulidae



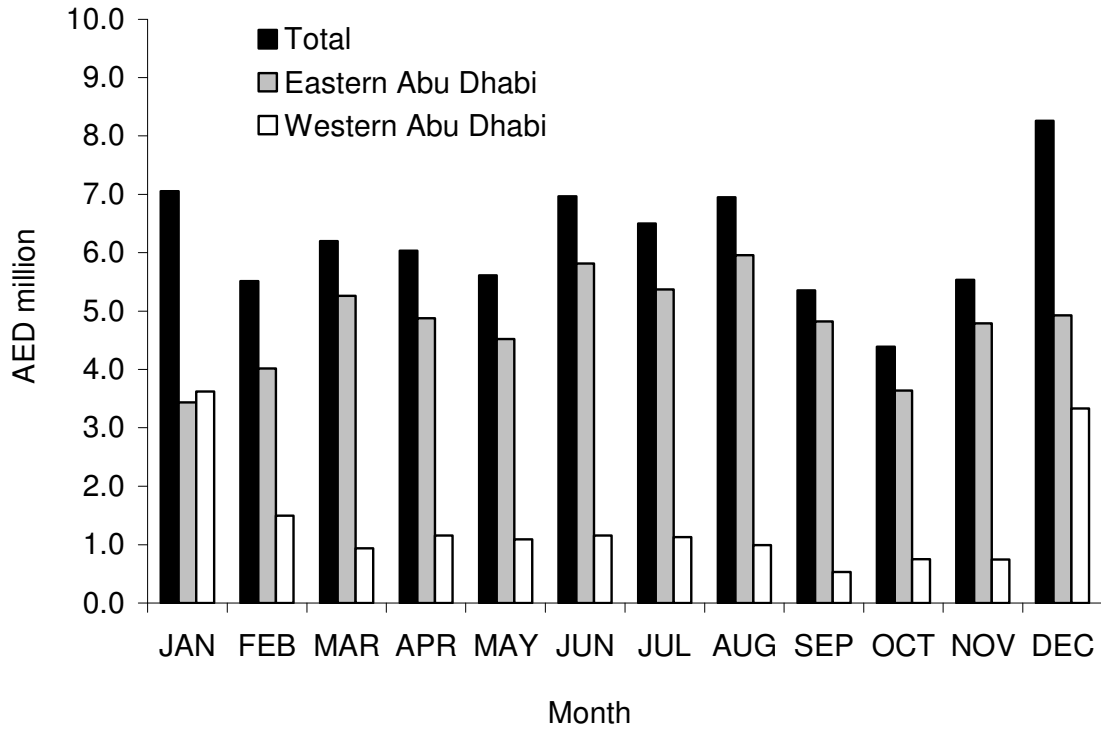
**Figure 15** Catch per unit effort of the principal species categories in the launch fishery:  
 (c) Lethrinidae (d) Serranidae.



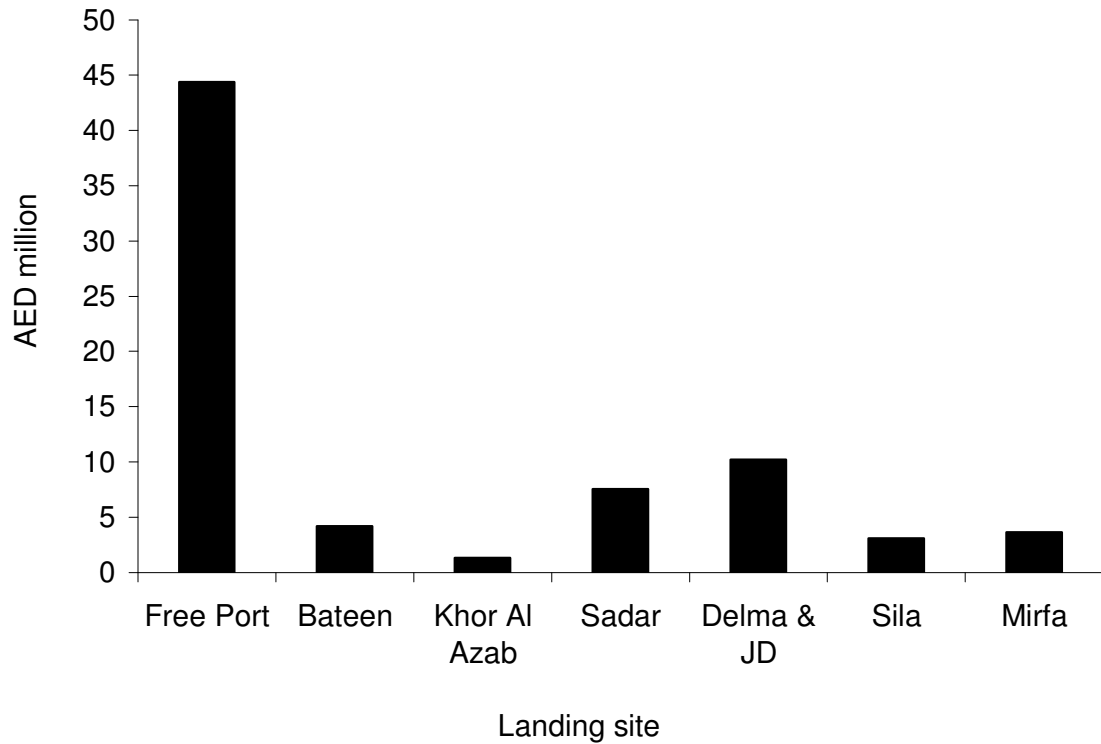
**Figure 16** Catch per unit effort of the principal species categories in the tarad fishery: (a) Carangidae (b) Lethrinidae



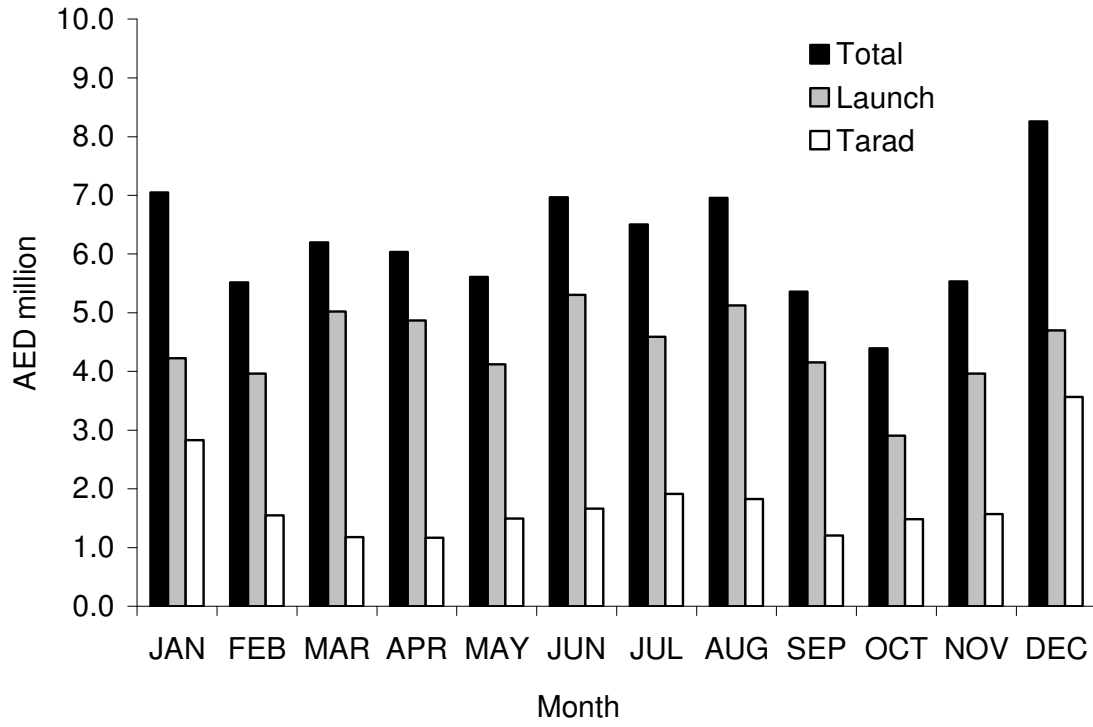
**Figure 16** Catch per unit effort of the principal species categories in the tarad fishery: (c) *S. commerson* (d) Serranidae.



**Figure 17 Value of the total landed catch by strata.**



**Figure 18 Value of the total landed catch by site.**



**Figure 19** Value of the total landed catch by boat type.

**Annex 1. Species and categories used in the catch and effort data recording system.**

| <b>Code</b>           | <b>Species or Category</b>         | <b>English Name</b>      | <b>Arabic Name</b>       | <b>Family</b> |
|-----------------------|------------------------------------|--------------------------|--------------------------|---------------|
| <b>A. bifasciatus</b> | <i>Acanthopagrus bifasciatus</i>   | Two bar seabream         | Faskar                   | Sparidae      |
| <b>A. spinifer</b>    | <i>Argyrops spinifer</i>           | King soldier bream       | Kofar                    | Sparidae      |
| <b>Other Sparidae</b> | <i>Diplodus sargus kotschy</i>     | One spot seabream        | Emshawah                 | Sparidae      |
|                       | <i>Sparidentex hasta</i>           | Sobaity seabream         | Subaiti/Subadi           | Sparidae      |
|                       | <i>Acanthopagrus latus</i>         | Yellowfin seabream       | Shaam                    | Sparidae      |
|                       | <i>Acanthopagrus berda</i>         | Picnic seabream          | Shaam Aswad              | Sparidae      |
|                       | <i>Rhabdosargus sarba</i>          | Goldlined seabream       | Qabit                    | Sparidae      |
|                       | Other sparidae                     |                          |                          |               |
| <b>Sphyraenidae</b>   | <i>Sphyraena jello</i>             | Pickhandle barracuda     | Jedd                     | Sphyraenidae  |
|                       | <i>Sphyraena barracuda</i>         | Great barracuda          | Jedd Large               | Sphyraenidae  |
|                       | <i>Sphyraena obtusata</i>          | Obtuse barracuda         | Ghely                    | Sphyraenidae  |
|                       | Other Sphyraenidae                 |                          |                          |               |
| <b>Carangidae</b>     | <i>Carangoides bajad</i>           | Orange spotted trevally  | Jesh Mezriya Bortoqaliya | Carangidae    |
|                       | <i>Gnathanodon speciosus</i>       | Golden trevally          | Zuraidi Kafdar           | Carangidae    |
|                       | <i>Carangoides fulvoguttatus</i>   | Yellow spotted trevally  | Jesha Zeria Safra        | Carangidae    |
|                       | <i>Carangoides malabaricus</i>     | Malabar trevally         | Sal (Jesha, Tanna)       | Carangidae    |
|                       | <i>Caranx heberi</i>               | Blacktip trevally        | Jesh Farow               | Carangidae    |
|                       | <i>Caranx ignobilis</i>            | Giant trevally           | Jesh Yeb/Jeb/Guftar      | Carangidae    |
|                       | <i>Elagatis bipinnulata</i>        | Rainbow runner           | Ghareebah                | Carangidae    |
|                       | <i>Seriola dumerili</i>            | Greater amberjack        | Yeb                      | Carangidae    |
|                       | <i>Seriolina nigrofasciata</i>     | Blackbanded trevally     | Hamam                    | Carangidae    |
| <b>Scomberoides</b>   | <i>Parastromateus niger</i>        | Black pomfret            | Halwayoh Wide            | Carangidae    |
|                       | <i>Trachinotus mookalee</i>        | Indian pompano           | Tala                     | Carangidae    |
|                       | <i>Trachinotus blochii</i>         | Snubnose pompano         | Leef (Sibin)             | Carangidae    |
|                       | <i>Scomberoides lysan</i>          | Double spotted queenfish | Dhala                    | Carangidae    |
|                       | <i>Scomberoides tol</i>            | Needle scaled queenfish  | Bassar                   | Carangidae    |
|                       | <i>Scomberoides commersonianus</i> | Talang queenfish         | Dhil'e                   | Carangidae    |
| <b>Scads</b>          | <i>Alepes vari</i>                 | Herring scad             | Gamlouh                  | Carangidae    |
|                       | <i>Atule mate</i>                  | Yellow tail scad         | Durduman                 | Carangidae    |
|                       | <i>Decapterus russelli</i>         | Indian scad              | Sima (Balij)             | Carangidae    |
|                       | <i>Selaroides leptolepis</i>       | Yellow stripe scad       | Seena                    | Carangidae    |
|                       | <i>Megalaspis cordyla</i>          | Torpedo scad             | Titi (Diyayuh)           | Carangidae    |
| <b>Clupeidae</b>      | <i>Sardinella longiceps</i>        | Indian oil sardinella    | Oumah                    | Clupeidae     |
|                       | <i>Nematalosa nasus</i>            | Bloch's gizzard shad     | Yawafah                  | Clupeidae     |
|                       | Other Clupeidae                    |                          |                          | Clupeidae     |
| <b>Gerreidae</b>      | All siver-biddies                  | Silver-biddies           | Badah                    | Gerreidae     |
| <b>Haemulidae</b>     | <i>Plectorhinchus pictus</i>       | Trout sweetlips          | Farsh                    | Haemulidae    |
|                       | <i>Plectorhinchus sordidus</i>     | Sordid sweetlips         | Yanam                    | Haemulidae    |
|                       | <i>Diagramma pictum</i>            | Painted sweetlips        | Fersh/Fara               | Haemulidae    |
|                       | <i>Pomadasys argenteus</i>         | Silver grunt             | Naqroor                  | Haemulidae    |
|                       | <i>Plectorhinchus gaterinus</i>    | Blackspotted rubberlip   | Hilali                   | Haemulidae    |

**Annex 1. cont...**

| <b>Code</b>            | <b>Species or Category</b>     | <b>English Name</b>          | <b>Arabic Name</b>  | <b>Family</b>   |
|------------------------|--------------------------------|------------------------------|---------------------|-----------------|
| <b>Lethrinidae</b>     | <i>Lethrinus lentjan</i>       | Pink ear emperor             | Shari Eshkheli      | Lethrinidae     |
|                        | <i>Lethrinus nebulosus</i>     | Spangled emperor             | Shaari              | Lethrinidae     |
|                        | <i>Lethrinus microdon</i>      | Small tooth emperor          | Souli               | Lethrinidae     |
|                        | <i>Lethrinus barbonicus</i>    | Snub nose emperor            | Yemah               | Lethrinidae     |
|                        | Other Lethrinidae              |                              |                     |                 |
| <b>Lutjanidae</b>      | <i>Lutjanus russelli</i>       | Russell's snapper            | Umm Dhrais          | Lutjanidae      |
|                        | <i>Lutjanus malabaricus</i>    | Malabar blood snapper        | Hamra               | Lutjanidae      |
|                        | <i>Lutjanus fulviflamma</i>    | Black spot snapper           | Aqalah              | Lutjanidae      |
|                        | <i>Lutjanus lutjanus</i>       | Big eye snapper              | Gaizawan            | Lutjanidae      |
|                        | <i>Pinjalo pinjalo</i>         | Pinjalo                      | Neimi               | Lutjanidae      |
|                        | <i>Lutjanus ehrenbergii</i>    | Ehrenberg's snapper          | Naiser              | Lutjanidae      |
| Other Lutjanidae       |                                |                              |                     |                 |
| <b>Mugilidae</b>       | <i>Valamugil seheli</i>        | Bleu spot mullet             | Beyah Arabi         | Mugilidae       |
|                        | Other Mugilidae                |                              |                     |                 |
| <b>Nemipteridae</b>    | <i>Scolopsis taeniatus</i>     | Black streaked monocle bream | Ebizimi /Zaimi/Zemi | Nemipteridae    |
|                        | <i>Nemipterus peronii</i>      | Notched threadfin bream      | Andaq               | Nemipteridae    |
|                        | <i>Scolopsis ghanam</i>        | Arabian monocle bream        | Ain shamaluh        | Nemipteridae    |
|                        | Other Nemipteridae             |                              |                     |                 |
| <b>Other demersals</b> | All Balistidae                 | Triggerfish                  | Qargumbah           | Balistidae      |
|                        | All Ehippidae                  | Battfish                     | Imad                | Ehippidae       |
|                        | <i>Choerodon robustus</i>      | Robust tuskfish              | Jin (Abu Nab)       | Labridae        |
|                        | <i>Thalossoma lunare</i>       | Moon wrasse                  | Misan               | Labridae        |
|                        | <i>Cheilinus lunulatus</i>     | Broomtail wrasse             | Yerab               | Labridae        |
|                        | <i>Parupeneus margaritatus</i> | Pearly goatfish              | Hedi                | Mullidae        |
|                        | <i>Arothron stellatus</i>      | Stellate puffer              | Faqel               | Tetraodontidae  |
|                        | <i>Platycephalus indicus</i>   | Bar tail flathead            | Wahar               | Platycephalidae |
|                        | <i>Pomacanthus maculosus</i>   | Yellow bar angelfish         | Anfooz              | Pomacanthidae   |
|                        | <i>Bothus pantherinus</i>      | Leopard flounder             | Sakat mousa         | Psettodidae     |
|                        | <i>Euryglossa orientalis</i>   | Oriental sole                | Shars               | Soleidae        |
|                        | <i>Pampus argenteus</i>        | Silver pomfret               | Zubaidi             | Stromateidae    |
|                        | <i>Saurida undosquamis</i>     | Brush tooth lizardfish       | Senyouh Abullaban   | Synodontidae    |
|                        | <i>Terapon jarbua</i>          | Jarbua terapon               | Yelly               | Teraponidae     |
|                        | <i>Tachysurus thalasinus</i>   | Giant sea catfish            | Khan                | Ariidae         |
|                        | Other demersal species         |                              |                     |                 |
| <b>Other pelagics</b>  | All Belonidae                  | Needle fish                  | Haqool/Sils         | Belonidae       |
|                        | <i>Chanos chanos</i>           | Milkfish                     | Aifah               | Chanidae        |
|                        | <i>Coryphaena hippurus</i>     | Common dolphin fish          | Anfaloos            | Coryphaenidae   |
|                        | <i>Rastrelliger kanagurta</i>  | Indian mackerel              | Garfah              | Scombridae      |
|                        | <i>Istiophorus platypterus</i> | Indo-pacific sailfish        | Khail Al Bahar      | Xiphiidae       |
|                        | <i>Rachycentron canadum</i>    | Cobia                        | Sikkil              | Rachycentridae  |
|                        | <i>Auxis thazard</i>           | Frigate tuna                 | Tabban              | Scombridae      |
|                        | <i>Euthynnus affinis</i>       | Kawakawa                     | Sadah               | Scombridae      |
|                        | Other tunas                    |                              |                     |                 |

**Annex 1. cont...**

| <b>Code</b>            | <b>Species or Category</b>         | <b>English Name</b>     | <b>Arabic Name</b> | <b>Family</b>  |
|------------------------|------------------------------------|-------------------------|--------------------|--|
| <b>Shark &amp; Ray</b> | <i>All Shark species</i>           | Sharks                  | Kersh              | Carcharhinidae,  |
|                        | <i>All Ray species</i>             | Rays                    | Lugmah             | Sphyrnidae etc.  |
|                        | <i>All guitarfish and saw fish</i> | Guitarfish/Sawfish      | Soos               | Dasyatidae,<br>Myliobatidae,<br>Rhinobatidae,<br>Pristidae |
| <b>S. commerson</b>    | <i>Scomberomorus commerson</i>     | Kingfish                | Kanaad, khabat     | Scombridae   |
| <b>Scaridae</b>        | <i>Scarus ghobban</i>              | Yellow scale parrotfish | Gain               | Scaridae   |
|                        | <i>Scarus persicus</i>             | Gulf parrotfish         | Gain               | Scaridae   |
|                        | Other Scaridae                     |                         |                    |  |
| <b>Serranidae</b>      | <i>Epinephelus coioides</i>        | Orange spotted grouper  | Hamour             | Serranidae   |
|                        | <i>Cephalopholis hemistiktos</i>   | Yellow fin hind         | Eshnenuh           | Serranidae   |
|                        | <i>Epinephelus areolatus</i>       | Areolate grouper        | Semman             | Serranidae   |
|                        | <i>Epinephelus bleekeri</i>        | Dusky tail grouper      | Semman             | Serranidae   |
|                        | <i>Epinephelus latifasciatus</i>   | Striped grouper         | Hamour             | Serranidae   |
| Other Serranidae       |                                    |                         |                    |  |
| <b>Siganidae</b>       | <i>Siganus canaliculatus</i>       | White-spotted spinefoot | Safi Arabi         | Siganidae  |
|                        | <i>Siganus javus</i>               | Streaked spinefoot      | Safi Sneifi        | Siganidae  |
| <b>Others</b>          | Non fish species                   |                         |                    |  |
|                        | Crustaceans, molluscs, etc.        |                         |                    |  |
| <b>Mixed</b>           | Mixed basket (assorted species)    |                         |                    |  |