Review of the Japanese fisheries data before and just after WWII

National Research Institute of Far Seas Fisheries
Hiroaki Okamoto
Before WW II
Norin Tokei (1867(1894) – Now)

Official basic statistics on Agriculture, Forestry and Fishery collected by statistical section of Japanese government

Prefecture R/V Catch and effort data (1934-1942)
- Pole and line
- Longline

After WW II (Fishing data from 1945 to 1951)
logbook data
Before WW II

Norin Tokei (1894 – )

Vessel statistics

Size statistics: There is vessel statistics from 1904 to 1940 categorized by size and motorized or not, but the fishing gear types are not distinguished.

Offshore vessel: The number of offshore vessels from 1915 to 1940 categorized by fishing gear, motorized or not.

Landing statistics

- Total landing amount for each fish group (Tunas, Skipjack, Billfish, Sharks, etc.) is available from 1894 to 1941.
- Species composition for each fish group is unknown.
- During the period from 1924 to 1940, total catch amount for each fish groups by fishing gear can be known.
Around 1870s

Shimizu Port

Landing of Skipjack at Yaizu market

Motorized PL vessel ‘Takane-Maru’
Vessel statistics

Offshore vessels

- Motorized
- Unmotorized
- Motorized LL
- Motorized PL

The number of vessels

Year

[Graph showing the number of offshore vessels from 1905 to 1939, with years 1905, 1907, 1909, 1911, 1913, 1915, 1917, 1919, 1921, 1923, 1925, 1927, 1929, 1931, 1933, 1935, 1937, 1939 marked on the x-axis.]
Total Catch of Tunas

- Yearly catch of tunas from 1894 to 1951, with different gear methods and regions indicated.
- The graph shows a significant increase in catch from 1927 onwards.
- Notable years include 1933 and 1936, where the catch peaks.
- The catch is measured in metric tons (Mt).

**Note:** The image contains a bar chart and a line graph that illustrate the catch of tunas over the specified years.
Total catch of Skipjack (including Frigate and Bullet tunas)
Total catch of Billfishes

![Graph showing the total catch of Billfishes from 1894 to 1951. The x-axis represents the year, ranging from 1894 to 1951. The y-axis represents the catch in weight (Mt), ranging from 0 to 10,000. The graph includes data for 'All (not classified)', 'Offshore', and 'Coastal' categories, with specific catch values marked for each year.]
Total catch of Sharks

Year | Catch in weight (MT) | Other gear | Pole and line | Angling | Longline | Drift net | Boat seine | Surrounding net | All (not classified) | Offshore | Coastal 
--- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- 
1894 | 0 | | | | | | | | | | |
1897 | 0 | | | | | | | | | | |
1899 | 0 | | | | | | | | | | |
1904 | 0 | | | | | | | | | | |
1909 | 0 | | | | | | | | | | |
1914 | 0 | | | | | | | | | | |
1919 | 0 | | | | | | | | | | |
1924 | 0 | | | | | | | | | | |
1929 | 0 | | | | | | | | | | |
1934 | 0 | | | | | | | | | | |
1939 | 0 | | | | | | | | | | |
1944 | 0 | | | | | | | | | | |
1949 | 0 | | | | | | | | | | |
1954 | 0 | | | | | | | | | | |
1959 | 0 | | | | | | | | | | |
1964 | 0 | | | | | | | | | | |
1969 | 0 | | | | | | | | | | |
1974 | 0 | | | | | | | | | | |

Norin Tokei | FAO ALL Ocean | FAO Pacific Ocean

Sharks
### Before WW II

**R/V Catch and effort data (1934-1942)**

<table>
<thead>
<tr>
<th>Year</th>
<th>Longline Vessel</th>
<th>Longline Operation</th>
<th>Pole and Line Vessel</th>
<th>Pole and Line Operation</th>
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<td>16</td>
<td>339</td>
<td>13</td>
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<td>1935</td>
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<td>1936</td>
<td>23</td>
<td>783</td>
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<td>1937</td>
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<td>928</td>
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<td>1938</td>
<td>23</td>
<td>637</td>
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<td>1939</td>
<td>22</td>
<td>644</td>
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<td>1940</td>
<td>19</td>
<td>573</td>
<td>6</td>
<td>214</td>
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<td>1941</td>
<td>18</td>
<td>491</td>
<td>7</td>
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<td>1942</td>
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Operations of R/V Longline vessels
Catch of tunas by R/V longline vessels
- **Catch of tunas by R/V longline vessels**

![Graph showing catch of tunas by R/V longline vessels]

- The graph above illustrates the catch of tunas by R/V longline vessels from 1934 to 1942. The x-axis represents the years, and the y-axis represents the catch in number. Different colors indicate different species of tunas: BFT (blue), ALB (green), BET (red), YFT (yellow), and unk_tuna (purple).

- The second graph shows the percentage of catch for each year, with the percentage of each species highlighted in different colors.

![Image of R/V longline vessel]

- The image of the R/V longline vessel suggests the type of vessel used for catching tunas.
Catch by R/V longline vessels

Billfishes

<table>
<thead>
<tr>
<th>Year</th>
<th>SWO</th>
<th>MLS</th>
<th>BLZ</th>
<th>other</th>
<th>unk_marlin</th>
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Sharks

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Operations of R/V Pole and Line vessels
Catch of skipjack by R/V Pole and Line vessels
Catch of skipjack by R/V Pole and Line vessels
After WW II (1945-1951)

1st extension: 27 September 1945
2nd extension: 22 June 1946
3rd extension: 19 September 1949
Extension for M/S: 11 May 1950
All restriction was removed in 25 April 1952
After WW II (1945-1951)

Catch and effort data

Detail set by set data of offshore and distant water tuna fisheries (LL and PL) were started to collect in 1946 or 1947 by transcribing the logbook data at the major landing ports by staffs of National Research Institutes.

Although the data after 1952 when the McArthur line was removed were compiled and have been used for the tuna stock assessments, the data between 1946 and 1951 are still existing as the data sheets because of their too small fishing area.

(Submission of log-sheet has been obligation for owner of fishing vessels since around 1960)