



Serial No. 1917

ICNAF Res.Doc.67/19

(D.a.66)

ANNUAL MEETING - JUNE 1967SPANISH RESEARCH REPORT 1966

by

O. Rodriguez Martin

Dirección General de Pesca Marítima

1. Statistical Information

23 trawlers and 106 pair trawlers (these vessels represent only 53 gears) have operated in the ICNAF area during the year 1966. Total tonnage of these vessels is about 68,000 tons. About 3,725 fishermen make up the crews. Total catch was 241,000 tons, of which 96% was cod, 2% haddock, and 2% other species (white hake and pollock).

A comparison of the catches of trawlers and pair trawlers from 1952 to 1966 (Fig.1), shows a consistent and converging increase until 1964 when catches of the pair trawlers equal those of the trawlers. In 1965 and 1966, pair trawler catches showed a steady increase over the trawler catches. The Spanish cod fleet, fishing only for salt and dry cod, requires the best in quality of species and sizes of fish. Cod is the only species sought, other fishes (haddock, pollock, white hake, etc) being ignored.

2. Discards

Information about discards provided by the masters of the trawlers has been submitted on ICNAF statistics form 4.

3. Recaptured Tags (Res.Doc.67/33)

During the present year, information has been received about 93 tags recaptured by Spanish fishermen. Most of them come from Canada, USSR, and Germany. All these tags were returned to their countries of origin and reward of 50-Pts. was paid to the fishermen who delivered them.

4. Joint Inspection

During May, 1967, two inspection officers, one Portuguese and the other one Spanish, on board a Spanish ship, carried out a joint inspection of the Portuguese and Spanish fishing vessels which operate in ICNAF waters.

TABLE I.- CATCHES IN TONS  
1966

| ICNAF<br>DIVISIONS   | 1965    |                 |         | 1966    |                 |         |
|----------------------|---------|-----------------|---------|---------|-----------------|---------|
|                      | TRAWLER | PAIR<br>TRAWLER | TOTAL   | TRAWLER | PAIR<br>TRAWLER | TOTAL   |
| 1 B                  | 622     |                 | 622     |         | 896             | 896     |
| 1 C                  | 29      |                 | 29      |         | 507             | 507     |
| 1 D                  |         |                 |         |         | 2,190           | 2,190   |
| 1 E                  |         |                 |         | 43      |                 | 43      |
| TOTAL SUB- 1<br>AREA | 651     |                 | 651     | 43      | 3,593           | 3,636   |
| 2 G                  | 832     |                 | 832     | 181     |                 | 181     |
| 2 H                  | 6,827   |                 | 6,827   | 4,600   |                 | 4,600   |
| 2 J                  | 5,822   |                 | 51,822  | 43,290  | 550             | 43,840  |
| TOTAL SUB- 2<br>AREA | 59,481  |                 | 59,481  | 48,071  | 550             | 48,621  |
| 3 K                  | 9,950   |                 | 9,950   | 9,304   | 8               | 9,312   |
| 3 L                  | 11,014  | 21,076          | 32,090  | 20,053  | 13,164          | 33,217  |
| 3 M                  | 1,538   |                 | 1,538   | 4,275   |                 | 4,275   |
| 3 N                  | 2,111   | 28,495          | 30,606  | 2,765   | 29,935          | 32,700  |
| 3 O                  | 337     | 35,646          | 35,983  | 270     | 20,838          | 21,108  |
| 3 P                  | 2,366   | 13,496          | 15,862  | 2,445   | 23,684          | 26,129  |
| TOTAL SUB- 3<br>AREA | 27,316  | 98,713          | 128,029 | 39,112  | 87,629          | 126,741 |
| 4 R                  | 219     |                 | 219     | 1,060   | 50              | 1,110   |
| 4 T                  | 24      | 19              | 43      |         | 13              | 13      |
| 4 V                  | 1,899   | 32,579          | 34,478  | 40      | 22,558          | 22,598  |
| 4 W                  |         | 12,891          | 12,891  |         | 27,997          | 27,997  |
| 4 X                  |         | 148             | 148     |         | 961             | 961     |
| TOTAL SUB- 4<br>AREA | 2,142   | 45,637          | 47,779  | 1,100   | 51,579          | 52,679  |
| 5 Z                  |         | 69              | 69      |         | 9,531           | 9,531   |
| TOTAL SUB- 5<br>AREA |         | 69              | 69      |         | 9,531           | 9,531   |
| TOTAL GENERAL        | 89,590  | 144,419         | 234,009 | 88,326  | 152,882         | 241,208 |

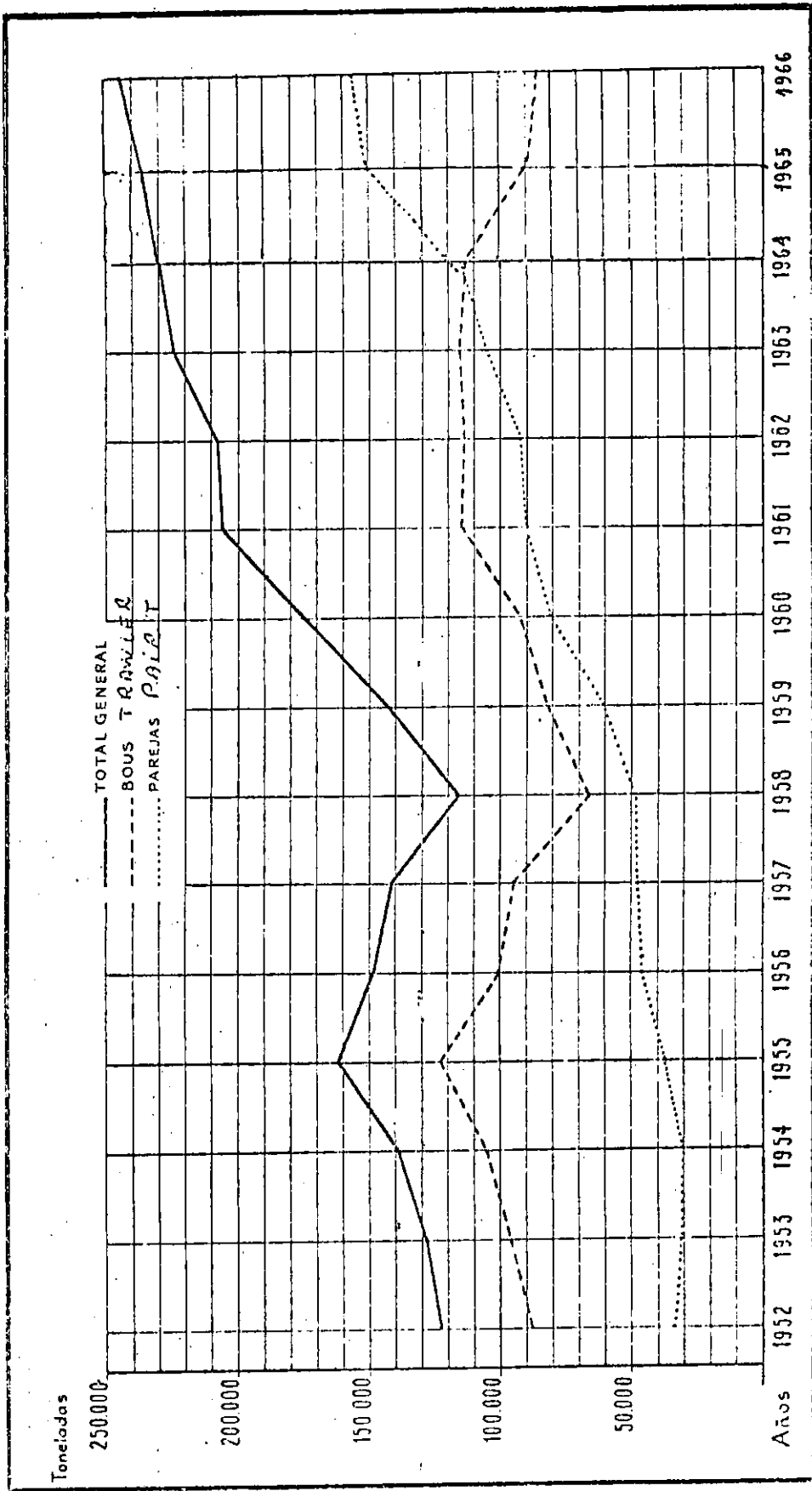


Figure 1. Catches of the Spanish fleet in the Northwest Atlantic

| CONCEPTS.                    | OTHER TRAWLERS. | PAIR TRAWLERS.   | TOTALS.          |
|------------------------------|-----------------|------------------|------------------|
| Number of vessels            | 23              | 106 (1)          | 129              |
| Tons. R.B.                   | 29,828.60       | 38,152.07        | 67,980.67        |
| Crew.                        | 1,318.-         | 2,407.-          | 3,725.-          |
| No. of days on grounds       | 5,472.-         | 11,780.-         | 17,252.-         |
| No. of days fished           | 4,643.-         | 9,544.-          | 14,187.-         |
| No. of sets                  | 21,381.-        | 25,002.-         | 46,383.-         |
| No. of trawl hours           | 64,700.25       | 91,196.35        | 155,897.-        |
| CATCHES                      |                 |                  |                  |
| Cod.                         | 88,174.5        | 143,835.-        | 232,009.5        |
| Haddock.                     | 93.6            | 6,274.2          | 6,367.8          |
| White Hake.                  | 18.6            | 137.4            | 156.-            |
| Pollock.                     | 36.9            | 2,630.40         | 2,667.30         |
| TOTAL CATCHES                | <u>88,323.6</u> | <u>152,877.-</u> | <u>241,200.6</u> |
| APPLIED CONVERSION FACTOR: 3 |                 |                  |                  |

(1) As these vessels are "pair-trawlers" they represent only 53 trawl gears.

DATA SUPPLIED BY SPANISH ENTERPRISE "PYSBE"

ICNAF SUB-AREAS 2 AND 3

FISHING AVERAGE BY VESSEL

|                          | Departure date | Absent days | Days on the ground | Landing (Tons) | Catch by day on ground | (1)  |      |       |       |      |      |
|--------------------------|----------------|-------------|--------------------|----------------|------------------------|------|------|-------|-------|------|------|
|                          |                |             |                    |                |                        | a    | b    | c     | d     | e    | H    |
| 1965                     |                |             |                    |                |                        |      |      |       |       |      |      |
| 1st TRIP<br>(12 vessels) | 26, January    | 151         | 118                | 1,000          | 8.50                   | 1.78 | 1.48 | 11.10 | 80.94 | 4.48 | 0.22 |
| 2nd TRIP<br>(10 vessels) | 1, July        | 162         | 131                | 500            | 3.79                   | 2.45 | 2.14 | 16.65 | 70.59 | 4.58 | 3.59 |
| 1966                     |                |             |                    |                |                        |      |      |       |       |      |      |
| 1st TRIP<br>(12 vessels) | 19, January    | 175         | 144                | 990            | 6.88                   | 1.65 | 1.52 | 9.62  | 77.92 | 9.05 | 0.24 |
| 2nd TRIP<br>(10 vessels) | 18, July       | 149         | 127                | 614            | 4.84                   | 1.86 | 2.60 | 18.55 | 62.55 | 7.89 | 6.55 |

(1) a = Big Cod, b= Middling size; c= Small size; d= Smaller size

e = Smallest size; H= Haddock.