

# 200海里水域内漁業資源総合調査委託事業

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## 調 査 目 的

昭和52年の 200海里漁業水域の設定にともない、当該水域内における漁業資源を科学的根拠に基づいて評価するために必要な関係資料を整備する。

## 材料と方法

太平洋・日本海において調査対象生物魚種の生物特性を把握するため、生物測定を中心に調査を実施した。

また、日本海では大型定置網に調査を依頼しブリ等の漁獲状況についても調査を実施した。

調査海域毎の調査内容は下記のとおりである。

## I. 太 平 洋

1. 調 査 期 間 平成4年5月～平成5年2月
2. 調 査 海 域 太平洋 200海里水域内
3. 市 場 調 査 員 八戸漁業協同組合連合会 吉 田 勝 鴻・榊 昭 一
4. 対 象 生 物 マサバ・マイワシ・スルメイカ・アカイカ・ヒラメ・スケトウダラ・マダラ
5. 調 査 項 目

### (1) 生物測定調査

八戸港に水揚げされた対象魚種について精密調査を実施した。なお、アカイカについては 200海里水域内で標本を確保できなかったため 200海里以遠の沖合い域での標本を使用した。

魚種毎の測定項目は下表のとおりである。

|           | マサバ | マイワシ | スルメイカ | アカイカ | ヒラメ | スケトウダラ | マダラ |
|-----------|-----|------|-------|------|-----|--------|-----|
| 体長（外套長）   |     | ○    | ○     | ○    | ○   | ○      | ○   |
| 尾 又 長     | ○   |      |       |      |     |        |     |
| 体 重       | ○   | ○    | ○     | ○    | ○   | ○      | ○   |
| 性 別       | ○   | ○    | ○     | ○    | ○   | ○      | ○   |
| 生 殖 腺 重 量 | ○   | ○    | ○     | ○    | ○   | ○      | ○   |
| 胃 内 容     |     |      | ○     | ○    | ○   | ○      | ○   |
| 年 齢       |     | ○    |       |      | ○   | ○      | ○   |

## II. 日 本 海

1. 調 査 期 間 平成4年5月～平成4年12月
2. 調 査 海 域 日本海 200海里水域内（補完調査海域：陸奥湾平館）
3. 市 場 調 査 員 鰺ヶ沢漁業協同組合 長 尾 敏 彦  
深浦漁業協同組合 加 藤 留江子
4. 対 象 生 物 マサバ・マイワシ・カタクチイワシ・ブリ・スルメイカ

※ 現在 青森県水産増殖センター

## 5. 調 査 項 目

### (1) 生物測定調査

本県日本海側の主要港及び陸奥湾平館港に水揚げされた対象魚種について精密調査を実施した。

魚種毎の測定項目は下表のとおりである。

|           | マ | サ | バ | マイ | ワシ | カタクチ | イワシ | ブ | リ | スルメイカ |
|-----------|---|---|---|----|----|------|-----|---|---|-------|
| 体長（外套長）   |   |   |   | ○  |    | ○    |     |   |   | ○     |
| 尾 叉 長     | ○ |   |   |    |    |      |     | ○ |   |       |
| 体 重       | ○ |   |   | ○  |    | ○    |     |   |   | ○     |
| 性 別       | ○ |   |   | ○  |    | ○    |     |   |   | ○     |
| 生 殖 腺 重 量 | ○ |   |   | ○  |    | ○    |     |   |   | ○     |
| 胃 内 容     |   |   |   |    |    |      |     |   |   | ○     |
| 年 齢       |   |   |   | ○  |    | ○    |     |   |   |       |

### (2) ブリ大型定置網標本船調査

大型定置網標本船調査は、永年継続的に行っている深浦漁業協同組合の2ヶ統を選定し、漁獲状況の調査表への記入及び現地での体長測定を行った。

## 調 査 結 果

太平洋・日本海の結果については、水産庁が関係機関の資料と併せて解析することになっているので、ここではその概要について示す。

### I. 太 平 洋

#### 1. 生物測定調査

八戸港に水揚げされた対象魚種について精密調査を実施した。

対象魚種にの測定実施状況は表1に示した。

なお、測定調査に当たっては東北水産研究所八戸支所の協力を得た。

表1 生物測定実施状況（太平洋）

| 魚 種       | 調査期間 | 調査回数 | 調査尾数 |
|-----------|------|------|------|
| マ サ バ     | 10月  | 1回   | 72尾  |
| マ イ ワ シ   | 7-11 | 7    | 1151 |
| ス ル メ イ カ | 7-12 | 11   | 1374 |
| ア カ イ カ   | 9-10 | 4    | 193  |
| マ ダ ラ     | 9-12 | 6    | 144  |
| スケトウダラ    | 1    | 2    | 50   |

対象魚種の体長組成及びモードは表2～7に示した。

#### ○マサバ（尾叉長）

マサバは10月にマイワシの旋網に混獲された個体を測定した。

尾叉長は19～25cmでモードは22cm

#### ○マイワシ（被鱗体長）

7月 18.5cm～23.5cm モード20.5cm  
8月 18.5cm～22.0cm モード20.5cm  
10月 12.5cm～21.5cm モード14.0cm・20.0cm  
11月 10.0cm～21.0cm モード13.5cm

10月の体長は双峰型を示し、モードは小型と大型の2つに認められた。

11月の体長は単峰型で小型魚が主体を占めた。

○スルメイカ（外套長）

7月 15cm～26cm モード20cm  
8月 16cm～29cm モード22cm  
9月 18cm～28cm モード21cm  
10月 20cm～30cm モード22cm  
11月 21cm～28cm モード23cm  
12月 20cm～30cm モード23cm

○アカイカ（外套長）

当該 200海里水域内での標本を確保できなかったため、沖合水域の釣り漁場での漁獲物について精密測定を実施した。

9月 39-29N・151-07E 19cmから31cm  
10月 42-22N・152-20E 22cmから45cm  
10月 42-22N・157-38E 44cmから50cm  
10月 42-12N・151-38E 23cmから39cm

○スケトウダラ（尾叉長）

産卵状況の把握を目的としているため、水揚げ時の体長組成を反映していない。

1月 41cm～55cm

○マダラ（全長）

スケトウダラ同様産卵状況の把握を目的としているため、水揚げ時の体長組成を反映していない。

9月 47cm～66cm  
10月 42cm～71cm  
12月 47cm～61cm

表2 マサバ尾叉長組成 八 戸 港

| 漁獲月日 | 10. 28          |
|------|-----------------|
| 船 名  | 38日東丸           |
| 漁場位置 | 41-25<br>141-36 |
| 漁獲量  | イワシ混獲           |
| (cm) |                 |
| 19.0 | 1               |
| 19.5 |                 |
| 20.0 | 2               |
| 20.5 | 5               |
| 21.0 | 7               |
| 21.5 | 9               |
| 22.0 | 15              |
| 22.5 | 13              |
| 23.0 | 10              |
| 23.5 | 6               |
| 24.0 | 1               |
| 24.5 | 1               |
| 25.0 | 1               |
| 25.5 | 2               |
| 計    | 72              |

表3 1992年マイワシ被鱗体長組成(まき網) 八 戸 港 200海里漁業資源調査

| 漁獲月日 | 7. 22           | 8. 6            | 8. 27           | 10. 9           | 10. 28          | 11. 18          | 10. 26          |
|------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| 船 名  | 62幸辰丸           | 56石田丸           | 33不動            | 33日東丸           | 38日東丸           | 38日東丸           | 33日東丸           |
| 漁場位置 | 41-38<br>142-10 | 41-28<br>142-16 | 39-57<br>142-01 | 38-29<br>141-47 | 41-25<br>141-36 | 41-28<br>141-35 | 41-09<br>141-38 |
| 漁獲量  | 240トン           | 50トン            | 130トン           | 45トン            | 600トン           | 300トン           | 100トン           |
| (cm) |                 |                 |                 |                 |                 |                 |                 |
| 10.0 |                 |                 |                 |                 |                 |                 | 2               |
| 10.5 |                 |                 |                 |                 |                 |                 | 1               |
| 11.0 |                 |                 |                 |                 |                 |                 | 5               |
| 11.5 |                 |                 |                 |                 |                 |                 | 3               |
| 12.0 |                 |                 |                 |                 |                 | 3               | 8               |
| 12.5 |                 |                 |                 |                 | 5               | 13              | 47              |
| 13.0 |                 |                 |                 |                 | 44              | 44              | 52              |
| 13.5 |                 |                 |                 |                 | 89              | 58              | 54              |
| 14.0 |                 |                 |                 |                 | 98              | 30              | 22              |
| 14.5 |                 |                 |                 |                 | 22              | 2               | 4               |
| 15.0 |                 |                 |                 | 1               |                 |                 | 3               |
| 15.5 |                 |                 |                 |                 |                 |                 |                 |
| 16.0 |                 |                 |                 | 1               |                 |                 |                 |
| 16.5 |                 |                 |                 | 2               | 1               |                 |                 |
| 17.0 |                 |                 |                 | 4               | 1               |                 |                 |
| 17.5 |                 |                 |                 | 1               | 3               |                 |                 |
| 18.0 |                 |                 |                 | 10              | 5               |                 |                 |
| 18.5 | 1               | 3               | 1               | 25              | 12              |                 |                 |
| 19.0 |                 | 9               | 5               | 42              | 12              |                 |                 |
| 19.5 | 13              | 9               | 15              | 35              | 14              |                 | 2               |
| 20.0 | 50              | 22              | 44              | 62              | 20              |                 | 3               |
| 20.5 | 57              | 30              | 50              | 36              | 20              |                 | 2               |
| 21.0 | 21              | 10              | 24              | 20              | 13              |                 | 2               |
| 21.5 | 13              | 4               | 7               | 4               | 1               |                 |                 |
| 22.0 | 5               | 2               | 2               |                 |                 |                 |                 |
| 22.5 |                 |                 |                 |                 |                 |                 |                 |
| 23.0 |                 |                 |                 |                 |                 |                 |                 |
| 23.5 | 1               |                 |                 |                 |                 |                 |                 |
| 24.0 |                 |                 |                 |                 |                 |                 |                 |
| 24.5 |                 |                 |                 |                 |                 |                 |                 |
| 計    | 161             | 89              | 148             | 243             | 360             | 150             | 210             |

表4 1992年スルメイカ外套長組成(八戸) 200海里漁業資源調査

|         |           |                 |                 |                                                        |    |    |           |    |    |    |    |    |           |    |    |    |    |    |          |    |    |    |    |    |    |    |    |    |    |  |
|---------|-----------|-----------------|-----------------|--------------------------------------------------------|----|----|-----------|----|----|----|----|----|-----------|----|----|----|----|----|----------|----|----|----|----|----|----|----|----|----|----|--|
| 漁獲年月日   | 7. 22     | 水揚：八戸港<br>漁法：釣り | 船名：拓洋丸<br>漁場：泊沖 | 漁獲量：20尾入れ22ケース、25尾入れ53ケース、30尾入れ10ケース、100尾入れ（木箱）4箱、バラ3箱 |    |    |           |    |    |    |    |    |           |    |    |    |    |    |          |    |    |    |    |    |    |    |    |    |    |  |
| 入 れ 尾 数 | 20尾入れ2ケース |                 |                 |                                                        |    |    | 25尾入れ2ケース |    |    |    |    |    | 30尾入れ1ケース |    |    |    |    |    | 100尾入れ1箱 |    |    |    |    |    |    |    |    |    |    |  |
| 測 定 結 果 | ♂         | 未熟              | 半熟              | 成熟                                                     | ♀  | 未交 | 交接        | ♂  | 未熟 | 半熟 | 成熟 | ♀  | 未交        | 交接 | ♂  | 未熟 | 半熟 | 成熟 | ♀        | 未交 | 交接 | ♂  | 未熟 | 半熟 | 成熟 | ♀  | 未交 | 交接 |    |  |
| cm      | 尾         |                 | 尾               |                                                        | 尾  |    | 尾         |    | 尾  |    | 尾  |    | 尾         |    | 尾  |    | 尾  |    | 尾        |    | 尾  |    | 尾  |    | 尾  |    | 尾  |    |    |  |
| 15      |           |                 |                 |                                                        |    |    |           |    |    |    |    |    |           |    |    |    |    |    | 4        |    | 4  |    |    |    |    |    |    |    |    |  |
| 16      |           |                 |                 |                                                        |    |    |           |    |    |    |    |    |           |    |    |    |    |    | 2        |    | 1  |    | 1  |    | 1  |    | 1  |    |    |  |
| 17      |           |                 |                 |                                                        |    |    |           |    |    |    |    |    |           |    |    |    |    |    | 2        |    | 2  |    |    |    | 1  |    | 1  |    |    |  |
| 18      |           |                 |                 |                                                        |    |    |           |    |    |    |    |    |           |    | 3  |    | 3  |    | 9        |    | 9  |    |    |    | 6  |    | 6  |    |    |  |
| 19      |           |                 |                 |                                                        |    |    |           |    |    |    |    |    |           |    | 2  |    | 2  |    | 6        |    | 6  |    |    |    | 13 |    | 13 |    |    |  |
| 20      |           |                 |                 |                                                        | 1  |    | 1         |    | 5  |    | 5  |    | 3         |    | 3  |    | 6  |    | 5        |    | 5  |    | 18 |    | 18 |    | 19 |    | 19 |  |
| 21      | 3         | 3               |                 |                                                        | 3  | 3  |           |    | 15 | 15 |    |    | 12        | 12 | 1  |    | 1  |    | 3        |    | 3  |    | 3  |    | 3  |    | 5  |    | 5  |  |
| 22      | 3         | 3               |                 |                                                        | 8  | 8  |           |    | 2  | 2  |    |    | 8         | 8  |    |    |    |    | 1        |    | 3  |    | 1  |    | 1  |    | 1  |    | 1  |  |
| 23      | 4         | 4               |                 |                                                        | 13 | 13 |           |    |    |    |    |    | 4         | 4  |    |    |    |    |          |    |    |    |    |    |    |    |    |    |    |  |
| 24      | 1         |                 | 1               |                                                        |    |    |           |    |    |    |    |    |           |    |    |    |    |    |          |    |    |    |    |    |    |    |    |    |    |  |
| 25      |           |                 |                 |                                                        | 3  | 3  |           |    |    |    |    |    |           |    |    |    |    |    |          |    |    |    |    |    |    |    |    |    |    |  |
| 26      |           |                 |                 |                                                        | 1  | 1  |           |    |    |    |    |    |           |    |    |    |    |    |          |    |    |    |    |    |    |    |    |    |    |  |
| 27      |           |                 |                 |                                                        |    |    |           |    |    |    |    |    |           |    |    |    |    |    |          |    |    |    |    |    |    |    |    |    |    |  |
| 28      |           |                 |                 |                                                        |    |    |           |    |    |    |    |    |           |    |    |    |    |    |          |    |    |    |    |    |    |    |    |    |    |  |
| 29      |           |                 |                 |                                                        |    |    |           |    |    |    |    |    |           |    |    |    |    |    |          |    |    |    |    |    |    |    |    |    |    |  |
| 30      |           |                 |                 |                                                        |    |    |           |    |    |    |    |    |           |    |    |    |    |    |          |    |    |    |    |    |    |    |    |    |    |  |
| 計       | 11        | 10              | 1               | 0                                                      | 29 | 29 | 0         | 22 | 22 | 0  | 0  | 27 | 27        | 0  | 12 | 12 | 0  | 0  | 17       | 16 | 0  | 52 | 51 | 1  | 0  | 48 | 48 | 0  |    |  |

|         |           |                 |                    |                                                        |    |    |           |    |    |    |    |    |           |    |    |    |    |    |         |    |    |    |    |    |    |    |    |    |    |  |
|---------|-----------|-----------------|--------------------|--------------------------------------------------------|----|----|-----------|----|----|----|----|----|-----------|----|----|----|----|----|---------|----|----|----|----|----|----|----|----|----|----|--|
| 漁獲年月日   | 8. 17     | 水揚：八戸港<br>漁法：釣り | 船名：11光運丸<br>漁場：八戸沖 | 漁獲量：15尾入れ25ケース、20尾入れ115ケース、25尾入れ76ケース、30尾入れ13ケース、木箱25箱 |    |    |           |    |    |    |    |    |           |    |    |    |    |    |         |    |    |    |    |    |    |    |    |    |    |  |
| 入 れ 尾 数 | 15尾入れ2ケース |                 |                    |                                                        |    |    | 20尾入れ2ケース |    |    |    |    |    | 25尾入れ2ケース |    |    |    |    |    | 30尾入れ2箱 |    |    |    |    |    |    |    |    |    |    |  |
| 測 定 結 果 | ♂         | 未熟              | 半熟                 | 成熟                                                     | ♀  | 未交 | 交接        | ♂  | 未熟 | 半熟 | 成熟 | ♀  | 未交        | 交接 | ♂  | 未熟 | 半熟 | 成熟 | ♀       | 未交 | 交接 | ♂  | 未熟 | 半熟 | 成熟 | ♀  | 未交 | 交接 |    |  |
| cm      | 尾         |                 | 尾                  |                                                        | 尾  |    | 尾         |    | 尾  |    | 尾  |    | 尾         |    | 尾  |    | 尾  |    | 尾       |    | 尾  |    | 尾  |    | 尾  |    | 尾  |    |    |  |
| 15      |           |                 |                    |                                                        |    |    |           |    |    |    |    |    |           |    |    |    |    |    |         |    |    |    |    |    |    |    |    |    |    |  |
| 16      |           |                 |                    |                                                        |    |    |           |    |    |    |    |    |           |    |    |    |    |    |         |    |    |    |    |    |    |    |    |    |    |  |
| 17      |           |                 |                    |                                                        |    |    |           |    |    |    |    |    |           |    | 1  |    | 1  |    |         |    |    |    | 2  |    |    |    | 3  |    | 3  |  |
| 18      |           |                 |                    |                                                        |    |    |           |    |    |    |    |    |           |    | 2  |    | 2  |    | 11      |    | 10 |    | 1  |    |    |    | 9  |    | 9  |  |
| 19      |           |                 |                    |                                                        |    |    |           |    |    |    |    |    |           |    | 13 |    | 13 |    | 6       |    | 6  |    | 9  |    |    |    | 10 |    | 10 |  |
| 20      |           |                 |                    |                                                        |    |    |           |    | 3  |    | 3  |    | 6         |    | 6  |    | 11 |    | 11      |    | 7  |    | 7  |    | 6  |    | 8  |    | 8  |  |
| 21      |           |                 |                    |                                                        |    |    |           |    | 7  |    | 7  |    | 10        |    | 10 |    | 4  |    | 4       |    | 3  |    | 3  |    |    |    | 1  |    | 1  |  |
| 22      |           |                 | 1                  |                                                        | 1  |    |           |    | 6  |    | 6  |    | 5         |    | 5  |    |    |    |         |    | 1  |    | 1  |    |    |    |    |    |    |  |
| 23      |           |                 | 1                  |                                                        | 1  |    |           |    | 1  |    | 1  |    | 2         |    | 2  |    |    |    |         |    |    |    |    |    |    |    |    |    |    |  |
| 24      |           |                 | 3                  |                                                        |    |    |           |    |    |    |    |    | 1         |    | 1  |    |    |    |         |    |    |    |    |    |    |    |    |    |    |  |
| 25      |           |                 | 1                  |                                                        | 1  |    |           |    | 7  |    | 6  |    | 1         |    | 1  |    |    |    |         |    |    |    |    |    |    |    |    |    |    |  |
| 26      |           |                 | 1                  |                                                        | 1  |    |           |    | 2  |    | 1  |    | 1         |    |    |    |    |    |         |    |    |    |    |    |    |    |    |    |    |  |
| 27      |           |                 |                    |                                                        |    |    |           |    |    |    |    |    |           |    |    |    |    |    |         |    |    |    |    |    |    |    |    |    |    |  |
| 28      |           |                 |                    |                                                        |    |    |           |    |    |    |    |    |           |    |    |    |    |    |         |    |    |    |    |    |    |    |    |    |    |  |
| 29      |           |                 |                    |                                                        |    |    |           |    |    |    |    |    |           |    |    |    |    |    |         |    |    |    |    |    |    |    |    |    |    |  |
| 30      |           |                 |                    |                                                        |    |    |           |    |    |    |    |    |           |    |    |    |    |    |         |    |    |    |    |    |    |    |    |    |    |  |
| 計       | 6         | 3               | 2                  | 1                                                      | 24 | 21 | 3         | 17 | 17 | 0  | 0  | 24 | 24        | 0  | 31 | 31 | 0  | 0  | 19      | 19 | 0  | 29 | 10 | 1  | 0  | 31 | 31 | 0  |    |  |

|          |           |                 |    |                |    |                                                               |    |           |    |    |    |    |    |    |           |    |    |    |    |    |    |             |    |    |    |    |    |    |  |  |  |
|----------|-----------|-----------------|----|----------------|----|---------------------------------------------------------------|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-------------|----|----|----|----|----|----|--|--|--|
| 漁獲年月日    | 8. 27     | 水揚：八戸港<br>漁法：釣り |    | 船名：松運丸・<br>竜幸丸 |    | 漁獲量：15尾入れ7ケース、20尾入れ252ケース、25尾入れ61ケース、木箱：60尾入れ26ケース、100尾入れ7ケース |    |           |    |    |    |    |    |    |           |    |    |    |    |    |    |             |    |    |    |    |    |    |  |  |  |
| 入れ尾数     | 15尾入れ2ケース |                 |    |                |    |                                                               |    | 20尾入れ2ケース |    |    |    |    |    |    | 25尾入れ2ケース |    |    |    |    |    |    | 木箱 100尾入れ1箱 |    |    |    |    |    |    |  |  |  |
| 測定結果     | ♂         | 未熟              | 半熟 | 成熟             | ♀  | 未交                                                            | 交接 | ♂         | 未熟 | 半熟 | 成熟 | ♀  | 未交 | 交接 | ♂         | 未熟 | 半熟 | 成熟 | ♀  | 未交 | 交接 | ♂           | 未熟 | 半熟 | 成熟 | ♀  | 未交 | 交接 |  |  |  |
| cm<br>15 | 尾         |                 | 尾  |                | 尾  |                                                               | 尾  |           | 尾  |    | 尾  |    | 尾  |    | 尾         |    | 尾  |    | 尾  |    | 尾  |             | 尾  |    | 尾  |    | 尾  |    |  |  |  |
| 16       |           |                 |    |                |    |                                                               |    |           |    |    |    |    |    |    |           |    |    |    |    |    |    | 1           |    |    | 1  |    |    |    |  |  |  |
| 17       |           |                 |    |                |    |                                                               |    |           |    |    |    |    |    |    |           |    |    |    |    |    |    | 2           |    | 2  |    | 3  | 3  |    |  |  |  |
| 18       |           |                 |    |                |    |                                                               |    |           |    |    |    |    |    |    |           |    |    |    |    |    |    | 15          | 14 | 1  |    | 12 | 12 |    |  |  |  |
| 19       |           |                 |    |                |    |                                                               |    |           |    |    |    |    |    |    |           |    |    |    |    |    |    | 19          | 18 | 1  |    | 20 | 20 |    |  |  |  |
| 20       |           |                 |    |                |    |                                                               |    |           |    |    |    |    |    |    | 2         | 2  |    |    | 2  |    |    | 12          | 12 |    |    | 12 | 12 |    |  |  |  |
| 21       |           |                 |    |                |    |                                                               |    | 2         |    |    |    | 2  | 2  |    | 10        | 9  | 1  |    | 14 | 13 | 1  | 1           | 1  |    |    | 5  | 5  |    |  |  |  |
| 22       |           |                 |    |                |    |                                                               |    | 1         |    |    |    |    |    |    | 6         | 6  |    |    | 12 |    |    |             |    |    |    |    |    |    |  |  |  |
| 23       |           |                 |    |                |    |                                                               |    | 1         |    |    |    | 9  | 9  |    | 4         | 4  |    |    |    |    |    |             |    |    |    |    |    |    |  |  |  |
| 24       |           |                 |    |                |    |                                                               |    | 5         | 3  | 1  | 1  | 8  | 8  |    |           |    |    |    |    |    |    |             |    |    |    |    |    |    |  |  |  |
| 25       |           |                 |    |                |    |                                                               |    | 3         | 1  | 1  | 1  | 6  | 6  |    |           |    |    |    |    |    |    |             |    |    |    |    |    |    |  |  |  |
| 26       | 2         | 1               | 1  |                | 10 | 8                                                             | 2  |           |    |    |    | 3  | 2  | 1  |           |    |    |    |    |    |    |             |    |    |    |    |    |    |  |  |  |
| 27       |           |                 |    |                | 11 | 8                                                             | 3  |           |    |    |    |    |    |    |           |    |    |    |    |    |    |             |    |    |    |    |    |    |  |  |  |
| 28       |           |                 |    |                | 6  | 6                                                             | 2  |           |    |    |    | 1  | 1  |    |           |    |    |    |    |    |    |             |    |    |    |    |    |    |  |  |  |
| 29       |           |                 |    |                | 1  | 1                                                             |    |           |    |    |    |    |    |    |           |    |    |    |    |    |    |             |    |    |    |    |    |    |  |  |  |
| 30       |           |                 |    |                |    |                                                               |    |           |    |    |    |    |    |    |           |    |    |    |    |    |    |             |    |    |    |    |    |    |  |  |  |
| 計        | 2         | 1               | 1  | 0              | 28 | 23                                                            | 7  | 11        | 4  | 2  | 2  | 29 | 28 | 1  | 22        | 21 | 1  | 0  | 28 | 13 | 1  | 50          | 47 | 3  | 0  | 52 | 52 | 0  |  |  |  |

|       |           |                  |    |    |    |                    |           |   |    |                                    |    |    |           |    |    |    |    |    |    |    |    |  |  |  |  |
|-------|-----------|------------------|----|----|----|--------------------|-----------|---|----|------------------------------------|----|----|-----------|----|----|----|----|----|----|----|----|--|--|--|--|
| 漁獲年月日 | 9. 3      | 水揚げ：八戸港<br>漁法：釣り |    |    |    | 船名：33幸福丸<br>漁場：八戸沖 |           |   |    | 漁獲量：15尾入れ9ケース、20尾入れ17ケース、25尾入れ1ケース |    |    |           |    |    |    |    |    |    |    |    |  |  |  |  |
| 入れ尾数  | 15尾入れ1ケース |                  |    |    |    |                    | 20尾入れ1ケース |   |    |                                    |    |    | 25尾入れ1ケース |    |    |    |    |    |    |    |    |  |  |  |  |
| 測定結果  | ♂         | 未熟               | 半熟 | 成熟 | ♀  | 未交                 | 交接        | ♂ | 未熟 | 半熟                                 | 成熟 | ♀  | 未交        | 交接 | ♂  | 未熟 | 半熟 | 成熟 | ♀  | 未交 | 交接 |  |  |  |  |
| cm    | 尾         |                  |    | 尾  |    |                    | 尾         |   |    | 尾                                  |    |    | 尾         |    |    | 尾  |    |    |    |    |    |  |  |  |  |
| 15    |           |                  |    |    |    |                    |           |   |    |                                    |    |    |           |    |    |    |    |    |    |    |    |  |  |  |  |
| 16    |           |                  |    |    |    |                    |           |   |    |                                    |    |    |           |    |    |    |    |    |    |    |    |  |  |  |  |
| 17    |           |                  |    |    |    |                    |           |   |    |                                    |    |    |           |    |    |    |    |    |    |    |    |  |  |  |  |
| 18    |           |                  |    |    |    |                    |           |   |    |                                    |    |    |           |    |    |    |    |    |    |    |    |  |  |  |  |
| 19    |           |                  |    |    |    |                    |           |   |    |                                    |    |    |           |    | 2  | 2  |    |    | 2  | 2  |    |  |  |  |  |
| 20    |           |                  |    |    |    |                    |           |   |    |                                    |    |    |           |    | 1  | 1  |    |    | 2  | 2  |    |  |  |  |  |
| 21    |           |                  |    |    |    |                    |           |   |    |                                    |    |    |           |    | 5  | 5  |    |    | 1  | 1  |    |  |  |  |  |
| 22    |           |                  |    |    |    |                    |           |   |    |                                    |    |    |           |    | 4  | 4  |    |    | 4  | 4  |    |  |  |  |  |
| 23    | 1         |                  |    |    |    |                    |           | 2 | 2  |                                    |    | 3  | 3         |    | 1  | 1  |    |    | 1  | 1  |    |  |  |  |  |
| 24    |           |                  |    |    |    |                    |           | 1 | 1  |                                    |    | 6  | 6         |    |    |    |    |    |    |    |    |  |  |  |  |
| 25    | 2         | 1                | 1  |    | 3  | 2                  | 1         | 1 | 1  |                                    |    | 3  | 3         |    |    |    |    |    |    |    |    |  |  |  |  |
| 26    |           |                  |    |    |    |                    |           |   |    |                                    |    |    |           |    |    |    |    |    |    |    |    |  |  |  |  |
| 27    |           |                  |    |    |    |                    |           |   |    |                                    |    |    |           |    | 5  | 4  | 1  |    |    |    |    |  |  |  |  |
| 28    |           |                  |    |    |    |                    |           |   |    |                                    |    |    |           |    | 3  | 3  |    |    |    |    |    |  |  |  |  |
| 29    |           |                  |    |    |    |                    |           |   |    |                                    |    |    |           |    | 1  |    | 1  |    |    |    |    |  |  |  |  |
| 30    |           |                  |    |    |    |                    |           |   |    |                                    |    |    |           |    |    |    |    |    |    |    |    |  |  |  |  |
| 計     | 3         | 1                | 1  | 0  | 12 | 9                  | 3         | 6 | 6  | 0                                  | 0  | 14 | 14        | 0  | 13 | 13 | 0  | 0  | 12 | 12 | 0  |  |  |  |  |

|       |           |                 |                 |                                                 |   |    |           |   |    |    |    |   |           |    |   |    |    |    |           |    |    |   |    |    |    |   |    |    |  |  |
|-------|-----------|-----------------|-----------------|-------------------------------------------------|---|----|-----------|---|----|----|----|---|-----------|----|---|----|----|----|-----------|----|----|---|----|----|----|---|----|----|--|--|
| 漁獲年月日 | 9. 17     | 水揚：八戸港<br>漁法：釣り | 船名：漁福丸<br>漁場：泊沖 | 漁獲量：15尾入れ9ケース、20尾入れ 111ケース、25尾入れ51ケース、30尾入れ8ケース |   |    |           |   |    |    |    |   |           |    |   |    |    |    |           |    |    |   |    |    |    |   |    |    |  |  |
| 入れ尾数  | 15尾入れ1ケース |                 |                 |                                                 |   |    | 20尾入れ1ケース |   |    |    |    |   | 25尾入れ1ケース |    |   |    |    |    | 30尾入れ1ケース |    |    |   |    |    |    |   |    |    |  |  |
| 測定結果  | ♂         | 未熟              | 半熟              | 成熟                                              | ♀ | 未交 | 交接        | ♂ | 未熟 | 半熟 | 成熟 | ♀ | 未交        | 交接 | ♂ | 未熟 | 半熟 | 成熟 | ♀         | 未交 | 交接 | ♂ | 未熟 | 半熟 | 成熟 | ♀ | 未交 | 交接 |  |  |
| cm    | 尾         |                 |                 |                                                 |   |    | 尾         |   |    |    |    |   | 尾         |    |   |    |    |    | 尾         |    |    |   |    |    | 尾  |   |    |    |  |  |
| 15    |           |                 |                 |                                                 |   |    |           |   |    |    |    |   |           |    |   |    |    |    |           |    |    |   |    |    |    |   |    |    |  |  |
| 16    |           |                 |                 |                                                 |   |    |           |   |    |    |    |   |           |    |   |    |    |    |           |    |    |   |    |    |    |   |    |    |  |  |
| 17    |           |                 |                 |                                                 |   |    |           |   |    |    |    |   |           |    |   |    |    |    |           |    |    |   |    |    |    |   |    |    |  |  |
| 18    |           |                 |                 |                                                 |   |    |           |   |    |    |    |   |           |    |   |    |    |    |           |    |    |   |    |    |    |   |    |    |  |  |
| 19    |           |                 |                 |                                                 |   |    |           |   |    |    |    |   |           |    |   |    |    |    |           |    |    |   |    |    |    |   |    |    |  |  |
| 20    |           |                 |                 |                                                 |   |    |           |   |    |    |    |   |           |    |   |    |    |    |           |    |    |   |    |    |    |   |    |    |  |  |
| 21    |           |                 |                 |                                                 |   |    |           |   |    |    |    |   |           |    |   |    |    |    |           |    |    |   |    |    |    |   |    |    |  |  |
| 22    |           |                 |                 |                                                 |   |    |           |   |    |    |    |   |           |    |   |    |    |    |           |    |    |   |    |    |    |   |    |    |  |  |
| 23    |           |                 |                 |                                                 |   |    |           |   |    |    |    |   |           |    |   |    |    |    |           |    |    |   |    |    |    |   |    |    |  |  |
| 24    |           |                 |                 |                                                 |   |    |           |   |    |    |    |   |           |    |   |    |    |    |           |    |    |   |    |    |    |   |    |    |  |  |
| 25    |           |                 |                 |                                                 |   |    |           |   |    |    |    |   |           |    |   |    |    |    |           |    |    |   |    |    |    |   |    |    |  |  |
| 26    |           |                 |                 |                                                 |   |    |           |   |    |    |    |   |           |    |   |    |    |    |           |    |    |   |    |    |    |   |    |    |  |  |
| 27    |           |                 |                 |                                                 |   |    |           |   |    |    |    |   |           |    |   |    |    |    |           |    |    |   |    |    |    |   |    |    |  |  |
| 28    |           |                 |                 |                                                 |   |    |           |   |    |    |    |   |           |    |   |    |    |    |           |    |    |   |    |    |    |   |    |    |  |  |
| 29    |           |                 |                 |                                                 |   |    |           |   |    |    |    |   |           |    |   |    |    |    |           |    |    |   |    |    |    |   |    |    |  |  |
| 30    |           |                 |                 |                                                 |   |    |           |   |    |    |    |   |           |    |   |    |    |    |           |    |    |   |    |    |    |   |    |    |  |  |
| 計     | 0         | 3               | 0               | 3                                               | 0 | 12 | 10        | 2 | 9  | 9  | 0  | 0 | 11        | 11 | 0 | 11 | 11 | 0  | 0         | 14 | 14 | 0 | 18 | 18 | 0  | 0 | 12 | 12 |  |  |

|       |           |                 |    |    |    |                   |           |    |    |                                        |    |    |           |    |    |    |    |    |    |    |    |  |
|-------|-----------|-----------------|----|----|----|-------------------|-----------|----|----|----------------------------------------|----|----|-----------|----|----|----|----|----|----|----|----|--|
| 漁獲年月日 | 10. 9     | 水揚：八戸港<br>漁法：釣り |    |    |    | 船名：5宝得丸<br>漁場：八戸沖 |           |    |    | 漁獲量：15尾入れ68ケース、20尾入れ 191ケース、25尾入れ31ケース |    |    |           |    |    |    |    |    |    |    |    |  |
| 入れ尾数  | 15尾入れ2ケース |                 |    |    |    |                   | 20尾入れ2ケース |    |    |                                        |    |    | 25尾入れ2ケース |    |    |    |    |    |    |    |    |  |
| 測定結果  | ♂         | 未熟              | 半熟 | 成熟 | ♀  | 未交                | 交接        | ♂  | 未熟 | 半熟                                     | 成熟 | ♀  | 未交        | 交接 | ♂  | 未熟 | 半熟 | 成熟 | ♀  | 未交 | 交接 |  |
| cm    | 尾         |                 | 尾  |    |    |                   | 尾         |    |    |                                        | 尾  |    |           |    | 尾  |    |    |    | 尾  |    |    |  |
| 15    |           |                 |    |    |    |                   |           |    |    |                                        |    |    |           |    |    |    |    |    |    |    |    |  |
| 16    |           |                 |    |    |    |                   |           |    |    |                                        |    |    |           |    |    |    |    |    |    |    |    |  |
| 17    |           |                 |    |    |    |                   |           |    |    |                                        |    |    |           |    |    |    |    |    |    |    |    |  |
| 18    |           |                 |    |    |    |                   |           |    |    |                                        |    |    |           |    |    |    |    |    |    |    |    |  |
| 19    |           |                 |    |    |    |                   |           |    |    |                                        |    |    |           |    |    |    |    |    |    |    |    |  |
| 20    |           |                 |    |    |    |                   |           |    |    |                                        |    |    |           |    |    |    |    |    |    |    |    |  |
| 21    |           |                 |    |    |    |                   |           |    |    |                                        |    |    |           |    |    |    |    |    |    |    |    |  |
| 22    |           |                 |    |    |    |                   |           |    |    |                                        |    |    |           |    |    |    |    |    |    |    |    |  |
| 23    |           |                 |    |    |    |                   |           |    |    |                                        |    |    |           |    |    |    |    |    |    |    |    |  |
| 24    |           |                 |    |    |    |                   |           |    |    |                                        |    |    |           |    |    |    |    |    |    |    |    |  |
| 25    | 5         | 5               |    |    | 4  | 4                 |           | 3  | 3  |                                        |    | 1  | 1         |    | 8  | 7  | 1  |    | 2  | 2  |    |  |
| 26    | 3         | 1               | 1  | 1  | 1  | 1                 |           | 1  | 1  |                                        |    | 5  | 5         |    | 8  | 8  |    |    | 9  | 9  |    |  |
| 27    |           |                 |    |    | 6  | 6                 |           |    |    |                                        |    |    |           |    | 11 | 11 |    |    | 10 | 10 |    |  |
| 28    | 1         |                 |    | 1  | 5  | 5                 |           |    |    |                                        |    |    |           |    |    |    |    |    |    |    |    |  |
| 29    |           |                 |    |    | 3  | 3                 |           |    |    |                                        |    |    |           |    |    |    |    |    |    |    |    |  |
| 30    |           |                 |    |    | 2  | 2                 |           |    |    |                                        |    |    |           |    |    |    |    |    |    |    |    |  |
| 計     | 9         | 6               | 1  | 2  | 21 | 21                | 0         | 21 | 21 | 0                                      | 0  | 19 | 19        | 0  | 28 | 27 | 1  | 0  | 22 | 22 | 0  |  |

|       |           |                 |    |    |    |                   |    |           |    |                                     |    |   |    |    |           |    |    |    |    |    |    |   |   |  |
|-------|-----------|-----------------|----|----|----|-------------------|----|-----------|----|-------------------------------------|----|---|----|----|-----------|----|----|----|----|----|----|---|---|--|
| 漁獲年月日 | 10. 27    | 水揚：八戸港<br>漁法：釣り |    |    |    | 船名：長久丸<br>漁場：六ヶ所か |    |           |    | 漁獲量：15尾入れ24ケース、20尾入れ99ケース、25尾入れ5ケース |    |   |    |    |           |    |    |    |    |    |    |   |   |  |
| 入れ尾数  | 15尾入れ1ケース |                 |    |    |    |                   |    | 20尾入れ1ケース |    |                                     |    |   |    |    | 25尾入れ2ケース |    |    |    |    |    |    |   |   |  |
| 測定結果  | ♂         | 未熟              | 半熟 | 成熟 | ♀  | 未交                | 交接 | ♂         | 未熟 | 半熟                                  | 成熟 | ♀ | 未交 | 交接 | ♂         | 未熟 | 半熟 | 成熟 | ♀  | 未交 | 交接 |   |   |  |
| cm    | 尾         |                 |    |    | 尾  |                   |    |           | 尾  |                                     |    |   | 尾  |    |           |    | 尾  |    |    |    | 尾  |   |   |  |
| 15    |           |                 |    |    |    |                   |    |           |    |                                     |    |   |    |    |           |    |    |    |    |    |    |   |   |  |
| 16    |           |                 |    |    |    |                   |    |           |    |                                     |    |   |    |    |           |    |    |    |    |    |    |   |   |  |
| 17    |           |                 |    |    |    |                   |    |           |    |                                     |    |   |    |    |           |    |    |    |    |    |    |   |   |  |
| 18    |           |                 |    |    |    |                   |    |           |    |                                     |    |   |    |    |           |    |    |    |    |    |    |   |   |  |
| 19    |           |                 |    |    |    |                   |    |           |    |                                     |    |   |    |    |           |    |    |    |    |    |    |   |   |  |
| 20    |           |                 |    |    |    |                   |    |           |    |                                     |    |   |    |    | 1         | 1  |    |    |    |    |    |   |   |  |
| 21    |           |                 |    |    |    |                   |    |           |    |                                     |    |   |    |    | 3         | 3  |    |    |    |    |    | 1 | 1 |  |
| 22    |           |                 |    |    |    |                   |    |           |    |                                     |    |   |    |    | 22        | 22 |    |    |    |    |    | 2 | 2 |  |
| 23    |           |                 |    |    |    |                   |    |           |    |                                     |    |   |    |    | 12        | 12 |    |    |    |    |    | 8 | 8 |  |
| 24    |           |                 |    |    |    |                   |    |           |    |                                     |    |   |    |    | 1         | 1  |    |    |    |    |    | 1 | 1 |  |
| 25    | 1         |                 |    |    | 2  | 2                 |    |           |    | 4                                   | 4  |   |    |    | 4         | 4  |    |    |    | 1  | 1  |   |   |  |
| 26    | 1         | 1               |    |    | 4  | 4                 |    |           |    | 1                                   | 1  | 2 |    |    | 2         |    |    |    |    |    |    |   |   |  |
| 27    |           |                 |    |    |    |                   |    |           |    |                                     |    |   |    |    |           |    |    |    |    |    |    |   |   |  |
| 28    |           |                 |    |    |    |                   |    |           |    |                                     |    |   |    |    |           |    |    |    |    |    |    |   |   |  |
| 29    |           |                 |    |    |    |                   |    |           |    |                                     |    |   |    |    |           |    |    |    |    |    |    |   |   |  |
| 30    |           |                 |    |    |    |                   |    |           |    |                                     |    |   |    |    |           |    |    |    |    |    |    |   |   |  |
| 計     | 2         | 0               | 2  | 0  | 13 | 13                | 0  | 12        | 11 | 1                                   | 0  | 8 | 8  | 0  | 38        | 38 | 0  | 0  | 12 | 12 | 0  |   |   |  |

|         |        |                 |    |    |    |                   |    |    |    |           |    |    |    |    |    |  |  |
|---------|--------|-----------------|----|----|----|-------------------|----|----|----|-----------|----|----|----|----|----|--|--|
| 漁獲年月日   | 11. 17 | 水揚：八戸港<br>漁法：釣り |    |    |    | 船名：盛栄丸<br>漁場：六ヶ所～ |    |    |    | 漁獲量：？     |    |    |    |    |    |  |  |
| 入 れ 尾 数 |        | 15尾入れ2ケース       |    |    |    |                   |    |    |    | 20尾入れ2ケース |    |    |    |    |    |  |  |
| 測 定 結 果 |        | ♂               | 未熟 | 半熟 | 成熟 | ♀                 | 未交 | 交接 | ♂  | 未熟        | 半熟 | 成熟 | ♀  | 未交 | 交接 |  |  |
| cm      |        | 尾               |    |    |    | 尾                 |    |    |    | 尾         |    |    |    | 尾  |    |  |  |
| 15      |        |                 |    |    |    |                   |    |    |    |           |    |    |    |    |    |  |  |
| 16      |        |                 |    |    |    |                   |    |    |    |           |    |    |    |    |    |  |  |
| 17      |        |                 |    |    |    |                   |    |    |    |           |    |    |    |    |    |  |  |
| 18      |        |                 |    |    |    |                   |    |    |    |           |    |    |    |    |    |  |  |
| 19      |        |                 |    |    |    |                   |    |    |    |           |    |    |    |    |    |  |  |
| 20      |        |                 |    |    |    |                   |    |    |    |           |    |    |    |    |    |  |  |
| 21      |        |                 |    |    |    |                   |    |    |    |           |    |    |    |    |    |  |  |
| 22      |        | 1               | 1  |    |    | 7                 | 7  |    | 3  | 3         |    |    |    |    |    |  |  |
| 23      |        | 5               | 3  | 2  |    | 14                | 14 |    | 14 | 13        | 1  |    | 4  | 7  | 4  |  |  |
| 24      |        | 8               | 3  | 5  |    | 5                 | 5  |    | 4  | 3         | 1  |    | 5  | 5  |    |  |  |
| 25      |        |                 |    |    |    |                   |    |    |    |           |    |    |    |    |    |  |  |
| 26      |        |                 |    |    |    |                   |    |    |    |           |    |    |    |    |    |  |  |
| 27      |        |                 |    |    |    |                   |    |    |    |           |    |    |    |    |    |  |  |
| 28      |        |                 |    |    |    |                   |    |    |    |           |    |    |    |    |    |  |  |
| 29      |        |                 |    |    |    |                   |    |    |    |           |    |    |    |    |    |  |  |
| 30      |        |                 |    |    |    |                   |    |    |    |           |    |    |    |    |    |  |  |
| 計       |        | 14              | 7  | 7  | 0  | 26                | 26 | 0  | 34 | 31        | 3  | 0  | 16 | 16 | 0  |  |  |



|         |           |                 |    |                   |    |                                       |    |    |    |    |           |    |    |    |    |    |    |    |    |    |    |  |  |  |  |
|---------|-----------|-----------------|----|-------------------|----|---------------------------------------|----|----|----|----|-----------|----|----|----|----|----|----|----|----|----|----|--|--|--|--|
| 漁獲年月日   | 11. 24    | 水揚：八戸港<br>漁法：釣り |    | 船名：かもめ丸<br>漁場：白糠沖 |    | 漁獲量：15尾入れ69ケース、20尾入れ 235ケース、25尾入れ6ケース |    |    |    |    |           |    |    |    |    |    |    |    |    |    |    |  |  |  |  |
| 入 れ 尾 数 | 15尾入れ2ケース |                 |    |                   |    | 20尾入れ2ケース                             |    |    |    |    | 25尾入れ2ケース |    |    |    |    |    |    |    |    |    |    |  |  |  |  |
| 測 定 結 果 | ♂         | 未熟              | 半熟 | 成熟                | ♀  | 未交                                    | 交接 | ♂  | 未熟 | 半熟 | 成熟        | ♀  | 未交 | 交接 | ♂  | 未熟 | 半熟 | 成熟 | ♀  | 未交 | 交接 |  |  |  |  |
| cm      | 尾         |                 |    |                   |    | 尾                                     |    |    |    |    | 尾         |    |    |    |    | 尾  |    |    |    |    | 尾  |  |  |  |  |
| 15      |           |                 |    |                   |    |                                       |    |    |    |    |           |    |    |    |    |    |    |    |    |    |    |  |  |  |  |
| 16      |           |                 |    |                   |    |                                       |    |    |    |    |           |    |    |    |    |    |    |    |    |    |    |  |  |  |  |
| 17      |           |                 |    |                   |    |                                       |    |    |    |    |           |    |    |    |    |    |    |    |    |    |    |  |  |  |  |
| 18      |           |                 |    |                   |    |                                       |    |    |    |    |           |    |    |    |    |    |    |    |    |    |    |  |  |  |  |
| 19      |           |                 |    |                   |    |                                       |    |    |    |    |           |    |    |    |    |    |    |    |    |    |    |  |  |  |  |
| 20      |           |                 |    |                   |    |                                       |    |    |    |    |           |    |    |    |    |    |    |    |    |    |    |  |  |  |  |
| 21      |           |                 |    |                   |    |                                       |    |    |    |    |           |    |    |    |    |    |    |    |    |    |    |  |  |  |  |
| 22      |           |                 |    |                   |    |                                       |    |    | 4  | 4  |           |    | 1  | 1  |    | 19 | 19 |    | 3  | 3  |    |  |  |  |  |
| 23      |           |                 |    |                   |    |                                       |    |    | 9  | 5  | 4         |    | 8  | 8  |    | 17 | 17 |    | 7  | 7  |    |  |  |  |  |
| 24      | 2         | 1               | 1  |                   |    |                                       |    | 13 | 6  | 7  |           | 3  | 3  |    | 2  | 2  |    | 1  | 1  |    |    |  |  |  |  |
| 25      | 3         |                 | 3  |                   | 12 | 12                                    |    | 1  | 6  | 1  |           |    |    |    |    |    |    |    |    |    |    |  |  |  |  |
| 26      | 2         |                 | 2  |                   | 5  | 5                                     |    |    |    |    |           |    |    |    |    |    |    |    |    |    |    |  |  |  |  |
| 27      | 1         |                 |    | 1                 | 3  | 3                                     |    |    |    |    |           |    |    |    |    |    |    |    |    |    |    |  |  |  |  |
| 28      |           |                 |    |                   | 2  |                                       | 2  |    |    |    |           |    |    |    |    |    |    |    |    |    |    |  |  |  |  |
| 29      |           |                 |    |                   |    |                                       |    |    |    |    |           |    |    |    |    |    |    |    |    |    |    |  |  |  |  |
| 30      |           |                 |    |                   |    |                                       |    |    |    |    |           |    |    |    |    |    |    |    |    |    |    |  |  |  |  |
| 計       | 8         | 1               | 6  | 1                 | 22 | 20                                    | 2  | 27 | 15 | 12 | 0         | 12 | 12 | 0  | 38 | 38 | 0  | 0  | 11 | 11 | 0  |  |  |  |  |

|       |           |    |                  |    |    |    |                  |    |           |    |                                      |    |    |    |  |  |
|-------|-----------|----|------------------|----|----|----|------------------|----|-----------|----|--------------------------------------|----|----|----|--|--|
| 漁獲年月日 | 12.       | 3  | 水揚げ：八戸港<br>漁法：釣り |    |    |    | 船名：宝漁丸<br>漁場：八戸沖 |    |           |    | 漁獲量：15尾入れ48ケース、20尾入れ148ケース、25尾入れ1ケース |    |    |    |  |  |
| 入れ尾数  | 15尾入れ2ケース |    |                  |    |    |    |                  |    | 20尾入れ2ケース |    |                                      |    |    |    |  |  |
| 測定結果  | ♂         | 未熟 | 半熟               | 成熟 | ♀  | 未交 | 交配               | ♂  | 未熟        | 半熟 | 成熟                                   | ♀  | 未交 | 交配 |  |  |
| cm    | 尾         |    |                  |    | 尾  |    |                  |    | 尾         |    |                                      |    | 尾  |    |  |  |
| 15    |           |    |                  |    |    |    |                  |    |           |    |                                      |    |    |    |  |  |
| 16    |           |    |                  |    |    |    |                  |    |           |    |                                      |    |    |    |  |  |
| 17    |           |    |                  |    |    |    |                  |    |           |    |                                      |    |    |    |  |  |
| 18    |           |    |                  |    |    |    |                  |    |           |    |                                      |    |    |    |  |  |
| 19    |           |    |                  |    |    |    |                  |    |           |    |                                      |    |    |    |  |  |
| 20    |           |    |                  |    |    |    |                  |    |           |    |                                      |    |    |    |  |  |
| 21    |           |    |                  |    |    |    |                  |    |           |    |                                      |    |    |    |  |  |
| 22    |           |    |                  |    |    |    |                  |    |           |    |                                      |    |    |    |  |  |
| 23    |           |    |                  |    |    |    |                  |    |           |    |                                      |    |    |    |  |  |
| 24    |           |    |                  |    |    |    |                  |    |           |    |                                      |    |    |    |  |  |
| 25    |           |    |                  |    |    |    |                  |    |           |    |                                      |    |    |    |  |  |
| 26    | 2         |    | 2                |    | 9  | 4  | 5                |    |           |    |                                      | 2  | 2  |    |  |  |
| 27    |           |    |                  |    | 5  | 3  | 2                |    |           |    |                                      |    |    |    |  |  |
| 28    |           |    |                  |    | 3  | 1  | 2                |    |           |    |                                      |    |    |    |  |  |
| 29    |           |    |                  |    | 1  | 1  |                  |    |           |    |                                      |    |    |    |  |  |
| 30    |           |    |                  |    |    |    |                  |    |           |    |                                      |    |    |    |  |  |
| 計     | 2         | 0  | 2                | 0  | 28 | 18 | 10               | 19 | 12        | 7  | 0                                    | 21 | 21 | 0  |  |  |

|            |        |                 |    |    |   |                  |    |           |    |                                     |    |   |    |           |   |    |    |    |    |    |    |   |    |   |   |   |   |   |   |
|------------|--------|-----------------|----|----|---|------------------|----|-----------|----|-------------------------------------|----|---|----|-----------|---|----|----|----|----|----|----|---|----|---|---|---|---|---|---|
| 漁獲年月日      | 12. 17 | 水揚：八戸港<br>漁法：釣り |    |    |   | 船名：長久丸<br>漁場：八戸沖 |    |           |    | 漁獲量：15尾入れ18ケース、20尾入れ18ケース、25尾入れ8ケース |    |   |    |           |   |    |    |    |    |    |    |   |    |   |   |   |   |   |   |
| 入  れ  尾  数 |        | 15尾入れ2ケース       |    |    |   |                  |    | 20尾入れ2ケース |    |                                     |    |   |    | 25尾入れ2ケース |   |    |    |    |    |    |    |   |    |   |   |   |   |   |   |
| 測  定  結  果 | ♂      | 未熟              | 半熟 | 成熟 | ♀ | 未交               | 交接 | ♂         | 未熟 | 半熟                                  | 成熟 | ♀ | 未交 | 交接        | ♂ | 未熟 | 半熟 | 成熟 | ♀  | 未交 | 交接 |   |    |   |   |   |   |   |   |
| cm         | 尾      |                 | 尾  |    |   |                  | 尾  |           | 尾  |                                     | 尾  |   | 尾  |           | 尾 |    | 尾  |    |    |    |    |   |    |   |   |   |   |   |   |
| 15         |        |                 |    |    |   |                  |    |           |    |                                     |    |   |    |           |   |    |    |    |    |    |    |   |    |   |   |   |   |   |   |
| 16         |        |                 |    |    |   |                  |    |           |    |                                     |    |   |    |           |   |    |    |    |    |    |    |   |    |   |   |   |   |   |   |
| 17         |        |                 |    |    |   |                  |    |           |    |                                     |    |   |    |           |   |    |    |    |    |    |    |   |    |   |   |   |   |   |   |
| 18         |        |                 |    |    |   |                  |    |           |    |                                     |    |   |    |           |   |    |    |    |    |    |    |   |    |   |   |   |   |   |   |
| 19         |        |                 |    |    |   |                  |    |           |    |                                     |    |   |    |           |   |    |    |    |    |    |    |   |    |   |   |   |   |   |   |
| 20         |        |                 |    |    |   |                  |    |           |    |                                     |    |   |    |           |   |    |    |    |    | 2  | 2  |   |    |   |   |   |   |   |   |
| 21         |        |                 |    |    |   |                  |    |           |    |                                     |    |   |    |           |   |    |    |    |    |    |    |   |    |   |   |   |   |   |   |
| 22         |        |                 |    |    |   |                  |    |           |    |                                     |    |   |    |           |   |    |    |    |    |    |    |   |    |   |   |   |   |   |   |
| 23         |        |                 |    |    |   |                  |    |           |    |                                     |    |   |    |           |   |    |    |    |    |    |    |   |    |   |   |   |   |   |   |
| 24         |        |                 |    |    |   |                  |    |           |    |                                     |    |   |    |           |   |    |    |    |    |    |    |   |    |   |   |   |   |   |   |
| 25         | 2      |                 |    | 1  | 1 | 1                | 1  |           | 5  | 2                                   | 7  | 5 | 2  | 7         | 8 | 9  | 2  | 13 | 15 | 1  | 8  | 4 | 10 | 1 | 2 | 1 | 9 | 3 | 3 |
| 26         | 1      |                 |    |    | 1 | 13               | 7  | 6         |    |                                     |    |   | 7  | 5         | 2 |    |    |    |    |    |    |   |    |   |   |   |   |   |   |
| 27         |        |                 |    |    |   | 11               | 4  | 7         |    |                                     |    |   |    |           |   |    |    |    |    |    |    |   |    |   |   |   |   |   |   |
| 28         |        |                 |    |    |   | 1                |    | 1         |    |                                     |    |   |    |           |   |    |    |    |    |    |    |   |    |   |   |   |   |   |   |
| 29         |        |                 |    |    |   |                  |    |           |    |                                     |    |   |    |           |   |    |    |    |    |    |    |   |    |   |   |   |   |   |   |
| 30         |        |                 |    |    |   | 1                |    | 1         |    |                                     |    |   |    |           |   |    |    |    |    |    |    |   |    |   |   |   |   |   |   |
| 計          | 0      | 3               | 0  | 1  | 2 | 27               | 12 | 15        | 14 | 0                                   | 14 | 0 | 26 | 22        | 4 | 31 | 8  | 19 | 4  | 19 | 19 |   |    |   |   |   |   |   |   |

船名 58喜久丸

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表6 マダラ体長組成 (八戸港) 200海里漁業資源調査

| 調 査 月 日   | 9. 8            | 9. 22           | 10. 6               | 10. 17              | 10. 24        | 12. 19 |
|-----------|-----------------|-----------------|---------------------|---------------------|---------------|--------|
| 船 名       | 丸 定 丸           | 2 1 久 栄 丸       | 双 葉 丸               | 万 膳 丸               | 甚 法 丸         | 漁 栄 丸  |
| 漁 場 位 置   | 鯨角NE<br>水深 300m | 鯨角NE<br>水深 250m | 出戸沖水深<br>300 - 350m | 開発沖水深<br>200 - 400m | 尻屋崎水深<br>300m |        |
| 漁 獲 量     | 440kg           | 1, 140kg        | 1, 540kg            | 1, 020kg            | 220kg         | 580kg  |
| TL・42(cm) |                 |                 |                     |                     | 1             |        |
| 43        |                 |                 |                     |                     |               |        |
| 44        |                 |                 |                     |                     |               |        |
| 45        |                 |                 |                     |                     |               |        |
| 46        |                 |                 |                     |                     |               |        |
| 47        | 1               |                 |                     |                     | 1             | 1      |
| 48        | 2               | 2               |                     |                     | 1             | 2      |
| 49        |                 | 2               |                     | 2                   |               | 2      |
| 50        |                 |                 | 2                   |                     | 3             | 1      |
| 51        | 4               | 3               | 4                   | 3                   | 3             | 1      |
| 52        | 1               | 4               | 1                   | 5                   | 3             | 2      |
| 53        | 1               | 1               | 5                   | 1                   |               |        |
| 54        | 1               | 3               | 5                   |                     | 2             | 3      |
| 55        |                 | 2               | 1                   | 2                   | 1             | 1      |
| 56        |                 | 2               | 1                   |                     | 2             |        |
| 57        |                 | 2               |                     |                     |               | 2      |
| 58        | 1               | 2               | 2                   | 1                   | 1             | 4      |
| 59        | 1               | 1               | 2                   |                     |               | 1      |
| 60        |                 |                 | 2                   |                     |               | 1      |
| 61        | 2               | 2               | 1                   | 1                   | 2             | 1      |
| 62        | 1               | 1               |                     | 2                   | 3             |        |
| 63        |                 | 2               |                     | 1                   | 2             |        |
| 64        | 1               | 1               | 1                   |                     |               |        |
| 65        |                 |                 |                     |                     | 1             |        |
| 66        |                 | 1               |                     |                     |               |        |
| 67        |                 |                 |                     |                     |               |        |
| 68        |                 |                 |                     |                     | 1             |        |
| 69        |                 |                 | 1                   |                     | 1             |        |
| 70        |                 |                 |                     |                     |               |        |
| 71        |                 |                 | 1                   |                     |               |        |
| 72        |                 |                 |                     |                     |               |        |
| 73        |                 |                 |                     |                     |               |        |
| 計         | 16              | 31              | 29                  | 18                  | 28            | 22     |

表7 スケトウダラ体調組成 (八戸港) 八戸港 ( 200海里)

| 調 査 月 日   | 1. 25               | 1. 31           |
|-----------|---------------------|-----------------|
| 船 名       | 8 正 進 丸             | 6 1 久 栄 丸       |
| 漁 場 位 置   | 尻矢崎水深<br>200 - 300m | 鯨角NE<br>水深 200m |
| 漁 獲 量     | 2, 400kg            | 5, 540kg        |
| TL・41(cm) | 2                   |                 |
| 42        | 3                   | 1               |
| 43        | 6                   | 1               |
| 44        | 1                   |                 |
| 45        | 2                   | 1               |
| 46        | 2                   | 2               |
| 47        | 3                   | 3               |
| 48        | 1                   | 6               |
| 49        | 3                   | 1               |
| 50        | 4                   |                 |
| 51        | 1                   | 1               |
| 52        |                     | 3               |
| 53        |                     |                 |
| 54        |                     | 2               |
| 55        |                     | 1               |
| 56        |                     |                 |
| 計         | 28                  | 22              |

## II. 日 本 海

### 1. 生物測定調査

深浦・鯔ヶ沢・下前・小泊・平館港に水揚げされた対象魚種について精密調査及びパンチング測定を実施した。

対象魚種の測定実施状況は表8に示した。

なお、マイワシ・カタクチイワシについてはマイワシ緊急調査事業の項で報告。

表8 生物測定実施状況（日本海）

| 魚 種       | 調査期間 | 調査回数 | 調査尾数 | 調 査 港     |
|-----------|------|------|------|-----------|
| マ イ ワ シ   | 月    | 回    | 尾    | 別項で報告     |
| カタクチイワシ   |      |      |      |           |
| ブ         | 5-12 | 26   | 1079 | 深浦        |
| ス ル メ イ カ | 5-12 | 6    | 670  | 鯔ヶ沢・下前・小泊 |

対象魚種の体長組成及びモードは表9～10に示した。

#### ○ブリ（尾叉長）

|     |      |           |            |
|-----|------|-----------|------------|
| 6月  | ワラサ  | 39cm～53cm | モード46cm    |
|     | ブリ   | 64cm～79cm | モード66・67cm |
| 7月  | ワラサ  | 32cm～40cm |            |
|     | ブリ   | 50cm～75cm | モード58cm    |
| 8月  | イナダ  | 13cm～18cm | モード17cm    |
|     | ワラサ  | 50cm～63cm | モード54cm    |
| 11月 | フクラゲ | 24cm～38cm | モード28cm    |
|     | ワラサ  | 38cm～62cm | モード54cm    |
|     | ブリ   | 58cm～81cm | モード71cm    |
| 12月 | フクラゲ | 21cm～41cm | モード28cm    |
|     | ワラサ  | 43cm～50cm |            |
|     | ブリ   | 51cm～81cm | モード78cm    |

#### ○スルメイカ（外套長）

|     |           |         |
|-----|-----------|---------|
| 5月  | 12cm～17cm | モード14cm |
| 6月  | 14cm～21cm | モード17cm |
| 8月  | 18cm～29cm | モード22cm |
| 10月 | 18cm～27cm | モード19cm |
| 12月 | 20cm～28cm | モード22cm |

表9 1992年 プリ体長組成(尾叉長): 日本(深浦・大型定置網) 200海里漁業資源

| 操業月    | 6 月  |     |    |     | 7 月  |     |     |     | 8 月 |      |     |    | 11 月 |      |     |    | 12 月 |      |     |    |     |
|--------|------|-----|----|-----|------|-----|-----|-----|-----|------|-----|----|------|------|-----|----|------|------|-----|----|-----|
| 銘柄     | フクラギ | ワラサ | ブリ | 計   | フクラギ | ワラサ | ブリ  | 計   | イナダ | フクラギ | ワラサ | ブリ | 計    | フクラギ | ワラサ | ブリ | 計    | フクラギ | ワラサ | ブリ | 計   |
| (cm)13 |      |     |    |     |      |     |     |     |     |      |     |    |      |      |     |    |      |      |     |    |     |
| 14     |      |     |    |     |      |     |     |     | 2   |      |     |    | 2    |      |     |    |      |      |     |    |     |
| 15     |      |     |    |     |      |     |     |     | 4   |      |     |    | 4    |      |     |    |      |      |     |    |     |
| 16     |      |     |    | 0   |      |     |     | 0   | 5   |      |     |    | 5    |      |     | 0  |      |      |     | 0  |     |
| 17     |      |     |    | 0   |      |     |     | 0   | 5   |      |     |    | 5    |      |     | 0  |      |      |     | 0  |     |
| 18     |      |     |    | 0   |      |     |     | 0   | 11  |      |     |    | 11   |      |     | 0  |      |      |     | 0  |     |
| 19     |      |     |    | 0   |      |     |     | 0   | 1   |      |     |    | 1    |      |     | 0  |      |      |     | 0  |     |
| 20     |      |     |    | 0   |      |     |     | 0   |     |      |     |    | 0    |      |     | 0  |      |      |     | 0  |     |
| 21     |      |     |    | 0   |      |     |     | 0   |     |      |     |    | 0    |      |     | 0  | 7    |      |     | 7  |     |
| 22     |      |     |    | 0   |      |     |     | 0   |     |      |     |    | 0    |      |     | 0  | 2    |      |     | 2  |     |
| 23     |      |     |    | 0   |      |     |     | 0   |     |      |     |    | 0    |      |     | 0  | 13   |      |     | 13 |     |
| 24     |      |     |    | 0   |      |     |     | 0   |     |      |     |    | 0    | 1    |     | 0  | 21   |      |     | 21 |     |
| 25     |      |     |    | 0   |      |     |     | 0   |     |      |     |    | 0    |      |     | 0  | 19   |      |     | 19 |     |
| 26     |      |     |    | 0   |      |     |     | 0   |     |      |     |    | 0    | 2    |     | 2  | 21   |      |     | 21 |     |
| 27     |      |     |    | 0   |      |     |     | 0   |     |      |     |    | 0    | 3    |     | 3  | 17   |      |     | 17 |     |
| 28     |      |     |    | 0   |      |     |     | 0   |     |      |     |    | 0    | 13   |     | 13 | 34   |      |     | 34 |     |
| 29     |      |     |    | 0   |      |     |     | 0   |     |      |     |    | 0    | 9    |     | 9  | 18   |      |     | 18 |     |
| 30     |      |     |    | 0   |      |     |     | 0   |     |      |     |    | 0    | 9    |     | 9  | 27   |      |     | 27 |     |
| 31     |      |     |    | 0   |      | 1   |     | 1   |     |      |     |    | 0    | 7    |     | 7  | 22   |      |     | 22 |     |
| 32     |      |     |    | 0   |      |     |     | 0   |     |      |     |    | 0    | 4    |     | 4  | 11   |      |     | 11 |     |
| 33     |      |     |    | 0   |      |     |     | 0   |     |      |     |    | 0    | 3    |     | 3  | 7    |      |     | 7  |     |
| 34     |      |     |    | 0   |      | 1   |     | 1   |     |      |     |    | 0    | 5    |     | 5  | 25   |      |     | 25 |     |
| 35     |      |     |    | 0   |      | 1   |     | 1   |     |      |     |    | 0    | 3    |     | 3  | 24   |      |     | 24 |     |
| 36     |      |     |    | 0   |      | 4   |     | 4   |     |      |     |    | 0    | 9    |     | 9  | 7    |      |     | 7  |     |
| 37     |      |     |    | 0   |      | 1   |     | 1   |     |      |     |    | 0    | 1    |     | 1  | 4    |      |     | 4  |     |
| 38     |      |     |    | 0   |      |     |     | 0   |     |      |     |    | 0    | 5    |     | 5  | 13   |      |     | 13 |     |
| 39     |      | 1   |    | 1   |      |     |     | 0   |     |      |     |    | 0    | 3    |     | 3  | 2    |      |     | 2  |     |
| 40     |      | 1   |    | 1   |      |     |     | 0   |     |      |     |    | 0    | 3    |     | 3  |      |      |     | 0  |     |
| 41     |      |     |    | 0   |      |     |     | 0   |     |      |     |    | 0    |      | 1   |    | 1    |      |     | 1  |     |
| 42     |      | 2   |    | 2   |      |     |     | 0   |     |      |     |    | 0    |      | 1   |    | 1    |      |     | 0  |     |
| 43     |      | 2   |    | 2   |      |     |     | 0   |     |      |     |    | 0    |      |     |    |      | 1    |     | 1  |     |
| 44     |      | 3   |    | 3   |      |     |     | 0   |     |      |     |    | 0    |      |     |    | 0    |      | 1   | 1  |     |
| 45     |      | 10  |    | 10  |      |     |     | 0   |     |      |     |    | 0    |      |     |    | 3    |      | 1   | 1  |     |
| 46     |      | 27  |    | 27  |      |     |     | 0   |     |      |     |    | 0    |      |     |    | 2    |      | 1   | 1  |     |
| 47     |      | 13  |    | 13  |      |     |     | 0   |     |      |     |    | 0    |      |     |    | 2    |      |     | 0  |     |
| 48     |      | 25  |    | 25  |      |     |     | 0   |     |      |     |    | 0    |      |     |    | 7    |      |     | 2  |     |
| 49     |      | 22  |    | 22  |      |     |     | 0   |     |      |     |    | 0    |      |     |    | 12   |      |     | 0  |     |
| 50     |      | 12  |    | 12  |      |     | 2   | 2   |     | 2    |     |    | 2    |      |     | 12 | 10   |      | 1   | 1  |     |
| 51     |      | 10  |    | 10  |      |     | 9   | 9   |     | 5    |     |    | 5    |      |     | 14 | 7    |      |     | 1  |     |
| 52     |      | 3   |    | 3   |      |     | 6   | 6   |     | 12   |     |    | 12   |      |     | 7  |      |      | 1   | 1  |     |
| 53     |      | 2   |    | 2   |      |     | 4   | 4   |     | 13   |     |    | 13   |      |     | 8  |      |      |     | 0  |     |
| 54     |      |     |    | 0   |      |     | 5   | 5   |     | 23   |     |    | 23   |      |     | 15 |      |      | 4   | 4  |     |
| 55     |      |     |    | 0   |      |     | 5   | 5   |     | 17   |     |    | 17   |      |     | 4  |      |      | 1   | 1  |     |
| 56     |      |     |    | 0   |      |     | 4   | 4   |     | 8    |     |    | 8    |      |     | 10 |      |      | 2   | 2  |     |
| 57     |      |     |    | 0   |      |     | 4   | 4   |     | 6    |     |    | 6    |      |     | 1  |      |      | 0   | 0  |     |
| 58     |      |     |    | 0   |      |     | 14  | 14  |     | 16   |     |    | 16   |      |     | 6  |      |      | 1   | 1  |     |
| 59     |      |     |    | 0   |      |     | 3   | 3   |     | 6    |     |    | 6    |      |     | 3  |      |      |     | 0  |     |
| 60     |      |     |    | 0   |      |     | 6   | 6   |     | 3    |     |    | 3    |      |     | 4  | 1    |      |     | 0  |     |
| 61     |      |     |    | 0   |      |     | 1   | 1   |     |      |     |    | 0    |      | 3   | 3  | 6    |      |     | 0  |     |
| 62     |      |     |    | 0   |      |     | 3   | 3   |     |      |     |    | 0    |      | 2   | 2  | 4    |      |     | 0  |     |
| 63     |      |     |    | 0   |      |     | 2   | 2   |     | 1    |     |    | 1    |      | 3   | 3  | 3    |      |     | 0  |     |
| 64     |      |     |    | 2   |      |     | 3   | 3   |     |      |     |    | 0    |      | 9   | 9  |      |      |     | 0  |     |
| 65     |      | 2   |    | 2   |      |     | 4   | 4   |     |      |     |    | 0    |      | 2   | 2  |      |      | 3   | 3  |     |
| 66     |      | 5   |    | 5   |      |     | 2   | 2   |     |      |     |    | 0    |      |     | 0  |      |      |     | 1  |     |
| 67     |      | 5   |    | 5   |      |     | 2   | 2   |     |      |     |    | 0    |      |     | 1  |      |      | 0   | 1  |     |
| 68     |      | 4   |    | 4   |      |     | 9   | 9   |     |      |     |    | 0    |      |     | 7  |      |      | 1   | 1  |     |
| 69     |      | 2   |    | 2   |      |     | 5   | 5   |     |      |     |    | 0    |      |     | 9  |      |      | 2   | 2  |     |
| 70     |      | 3   |    | 3   |      |     | 10  | 10  |     |      |     |    | 0    |      |     | 9  |      |      | 3   | 3  |     |
| 71     |      | 1   |    | 1   |      |     | 4   | 4   |     |      |     |    | 0    |      |     | 10 |      |      | 3   | 3  |     |
| 72     |      |     |    | 0   |      |     | 2   | 2   |     |      |     |    | 0    |      |     | 5  |      |      | 2   | 2  |     |
| 73     |      |     |    | 0   |      |     | 3   | 3   |     |      |     |    | 0    |      |     | 3  |      |      | 3   | 3  |     |
| 74     |      |     |    | 1   |      |     | 1   | 1   |     |      |     |    | 0    |      |     | 1  |      |      | 5   | 5  |     |
| 75     |      | 2   |    | 2   |      |     | 1   | 1   |     |      |     |    | 0    |      |     | 8  |      |      | 5   | 5  |     |
| 76     |      | 4   |    | 4   |      |     |     | 0   |     |      |     |    | 0    |      |     | 6  |      |      | 5   | 5  |     |
| 77     |      | 1   |    | 1   |      |     |     | 0   |     |      |     |    | 0    |      |     |    |      |      |     | 0  |     |
| 78     |      | 1   |    | 1   |      |     |     | 0   |     |      |     |    | 0    |      |     | 6  |      |      | 12  | 12 |     |
| 79     |      | 1   |    | 1   |      |     |     | 0   |     |      |     |    | 0    |      |     | 4  |      |      | 3   | 3  |     |
| 80     |      |     |    | 0   |      |     |     | 0   |     |      |     |    | 0    |      |     | 3  |      |      |     |    |     |
| 81     |      |     |    | 0   |      |     |     | 0   |     |      |     |    | 0    |      | 1   | 1  |      |      | 1   | 1  |     |
| 82     |      |     |    | 0   |      |     |     | 0   |     |      |     |    | 0    |      |     | 0  |      |      | 0   | 0  |     |
| 83     |      |     |    | 0   |      |     |     | 0   |     |      |     |    | 0    |      |     | 0  |      |      | 0   | 0  |     |
| 84     |      |     |    | 0   |      |     |     | 0   |     |      |     |    | 0    |      |     | 0  |      |      | 0   | 0  |     |
| 85     |      |     |    | 0   |      |     |     | 0   |     |      |     |    | 0    |      |     | 0  |      |      | 0   | 0  |     |
| 86     |      |     |    | 0   |      |     |     | 0   |     |      |     |    | 0    |      |     | 0  |      |      | 0   | 0  |     |
| 87     |      |     |    | 0   |      |     |     | 0   |     |      |     |    | 0    |      |     | 0  |      |      | 0   | 0  |     |
| 88     |      |     |    | 0   |      |     |     | 0   |     |      |     |    | 0    |      |     | 0  |      |      | 0   | 0  |     |
| 計      | 0    | 133 | 34 | 167 | 0    | 9   | 114 | 123 | 22  | 0    | 112 | 0  | 134  | 74   | 125 | 92 | 291  | 295  | 7   | 62 | 364 |

表10 1992年スルメイカ ML組成 ( 200海里資源)

\*未：未熟、半：半熟、成：成熟＝雄      \*未：未交接、交：交接＝雌    P：パンチング

|               |                                                            |    |   |   |       |    |   |   |                                                                       |    |    |   |       |    |    |   |                                                                       |    |    |    |       |   |    |    |                    |   |    |    |    |   |   |    |    |   |   |    |    |   |   |    |    |   |    |   |   |   |    |   |   |   |   |   |   |    |    |   |
|---------------|------------------------------------------------------------|----|---|---|-------|----|---|---|-----------------------------------------------------------------------|----|----|---|-------|----|----|---|-----------------------------------------------------------------------|----|----|----|-------|---|----|----|--------------------|---|----|----|----|---|---|----|----|---|---|----|----|---|---|----|----|---|----|---|---|---|----|---|---|---|---|---|---|----|----|---|
| 漁獲年月日<br>水揚げ港 | 5. 28 入港隻数：17隻 100尾入れ1212ヶ<br>小泊港 水揚げ量：80尾入れ 618ヶ、70尾入れ10ヶ |    |   |   |       |    |   |   | 6. 9 入港隻数：14隻 70尾入れ 498ヶ、80尾入れ 169ヶ<br>小泊港 水揚げ量：50尾入れ1926ヶ、60尾入れ 482ヶ |    |    |   |       |    |    |   | 6. 17 入港隻数：20隻 120尾入れ34ヶ<br>小泊港 水揚げ量：30尾入れ 112ヶ、40尾入れ1797ヶ、50尾入れ2658ヶ |    |    |    |       |   |    |    |                    |   |    |    |    |   |   |    |    |   |   |    |    |   |   |    |    |   |    |   |   |   |    |   |   |   |   |   |   |    |    |   |
| 漁法            | 釣 り                                                        |    |   |   |       |    |   |   | 釣 り 90尾入れ95ヶ                                                          |    |    |   |       |    |    |   | 釣 り                                                                   |    |    |    |       |   |    |    |                    |   |    |    |    |   |   |    |    |   |   |    |    |   |   |    |    |   |    |   |   |   |    |   |   |   |   |   |   |    |    |   |
| 入れ尾数          | 100尾入れ                                                     |    |   |   | 80尾入れ |    |   |   | 60尾入れ                                                                 |    |    |   | 50尾入れ |    |    |   | 50尾入れ                                                                 |    |    |    | 46尾入れ |   |    |    | 30尾入れ              |   |    |    |    |   |   |    |    |   |   |    |    |   |   |    |    |   |    |   |   |   |    |   |   |   |   |   |   |    |    |   |
| 性別            | ♂尾                                                         | 未  | 半 | 成 | ♀尾    | 未  | 交 | P | ♂尾                                                                    | 未  | 半  | 成 | ♀尾    | 未  | 交  | P | ♂尾                                                                    | 未  | 半  | 成  | ♀尾    | 未 | 交  | P  | ♂尾                 | 未 | 半  | 成  | ♀尾 | 未 | 交 | ♂尾 | 未  | 半 | 成 | ♀尾 | 未  | 交 |   |    |    |   |    |   |   |   |    |   |   |   |   |   |   |    |    |   |
| 外套長(cm)       |                                                            |    |   |   |       |    |   |   |                                                                       |    |    |   |       |    |    |   |                                                                       |    |    |    |       |   |    |    |                    |   |    |    |    |   |   |    |    |   |   |    |    |   |   |    |    |   |    |   |   |   |    |   |   |   |   |   |   |    |    |   |
| 12            |                                                            |    |   |   |       |    |   |   | 1 2 2                                                                 |    |    |   |       |    |    |   | 2 2 5                                                                 |    |    |    |       |   |    |    |                    |   |    |    |    |   |   |    |    |   |   |    |    |   |   |    |    |   |    |   |   |   |    |   |   |   |   |   |   |    |    |   |
| 13            | 2 2                                                        |    |   |   |       |    |   |   | 3 3 18 12 12                                                          |    |    |   |       |    |    |   | 5 5 8                                                                 |    |    |    |       |   |    |    |                    |   |    |    |    |   |   |    |    |   |   |    |    |   |   |    |    |   |    |   |   |   |    |   |   |   |   |   |   |    |    |   |
| 14            | 14 14                                                      |    |   |   |       |    |   |   | 16 16 21 8 8                                                          |    |    |   |       |    |    |   | 6 6 13                                                                |    |    |    |       |   |    |    |                    |   |    |    |    |   |   |    |    |   |   |    |    |   |   |    |    |   |    |   |   |   |    |   |   |   |   |   |   |    |    |   |
| 15            | 3 3                                                        |    |   |   |       |    |   |   | 7 7 13 3 3                                                            |    |    |   |       |    |    |   | 11 11 5                                                               |    |    |    |       |   |    |    | 7 7 9 9 10 7 7 8 8 |   |    |    |    |   |   |    |    |   |   |    |    |   |   |    |    |   |    |   |   |   |    |   |   |   |   |   |   |    |    |   |
| 16            |                                                            |    |   |   |       |    |   |   | 1 1 2                                                                 |    |    |   |       |    |    |   | 4 4 3 3 2 9 9 9 9                                                     |    |    |    |       |   |    |    |                    |   |    |    |    |   |   |    |    |   |   |    |    |   |   |    |    |   |    |   |   |   |    |   |   |   |   |   |   |    |    |   |
| 17            |                                                            |    |   |   |       |    |   |   | 1 1 1                                                                 |    |    |   |       |    |    |   | 8 8 4 4 2 1 1 9 9                                                     |    |    |    |       |   |    |    |                    |   |    |    |    |   |   |    |    |   |   |    |    |   |   |    |    |   |    |   |   |   |    |   |   |   |   |   |   |    |    |   |
| 18            |                                                            |    |   |   |       |    |   |   |                                                                       |    |    |   |       |    |    |   | 1 1 3 3 6 6 7 7 4 5                                                   |    |    |    |       |   |    |    |                    |   |    |    |    |   |   |    |    |   |   |    |    |   |   |    |    |   |    |   |   |   |    |   |   |   |   |   |   |    |    |   |
| 19            |                                                            |    |   |   |       |    |   |   |                                                                       |    |    |   |       |    |    |   |                                                                       |    |    |    |       |   |    |    | 1 1 1 1 1 1        |   |    |    |    |   |   |    |    |   |   |    |    |   |   |    |    |   |    |   |   |   |    |   |   |   |   |   |   |    |    |   |
| 20            |                                                            |    |   |   |       |    |   |   |                                                                       |    |    |   |       |    |    |   |                                                                       |    |    |    |       |   |    |    | 2 2 15 15          |   |    |    |    |   |   |    |    |   |   |    |    |   |   |    |    |   |    |   |   |   |    |   |   |   |   |   |   |    |    |   |
| 21            |                                                            |    |   |   |       |    |   |   |                                                                       |    |    |   |       |    |    |   |                                                                       |    |    |    |       |   |    |    | 5 5                |   |    |    |    |   |   |    |    |   |   |    |    |   |   |    |    |   |    |   |   |   |    |   |   |   |   |   |   |    |    |   |
| 22            |                                                            |    |   |   |       |    |   |   |                                                                       |    |    |   |       |    |    |   |                                                                       |    |    |    |       |   |    |    |                    |   |    |    |    |   |   |    |    |   |   |    |    |   |   |    |    |   |    |   |   |   |    |   |   |   |   |   |   |    |    |   |
| 23            |                                                            |    |   |   |       |    |   |   |                                                                       |    |    |   |       |    |    |   |                                                                       |    |    |    |       |   |    |    |                    |   |    |    |    |   |   |    |    |   |   |    |    |   |   |    |    |   |    |   |   |   |    |   |   |   |   |   |   |    |    |   |
| 24            |                                                            |    |   |   |       |    |   |   |                                                                       |    |    |   |       |    |    |   |                                                                       |    |    |    |       |   |    |    |                    |   |    |    |    |   |   |    |    |   |   |    |    |   |   |    |    |   |    |   |   |   |    |   |   |   |   |   |   |    |    |   |
| 25            |                                                            |    |   |   |       |    |   |   |                                                                       |    |    |   |       |    |    |   |                                                                       |    |    |    |       |   |    |    |                    |   |    |    |    |   |   |    |    |   |   |    |    |   |   |    |    |   |    |   |   |   |    |   |   |   |   |   |   |    |    |   |
| 26            |                                                            |    |   |   |       |    |   |   |                                                                       |    |    |   |       |    |    |   |                                                                       |    |    |    |       |   |    |    |                    |   |    |    |    |   |   |    |    |   |   |    |    |   |   |    |    |   |    |   |   |   |    |   |   |   |   |   |   |    |    |   |
| 27            |                                                            |    |   |   |       |    |   |   |                                                                       |    |    |   |       |    |    |   |                                                                       |    |    |    |       |   |    |    |                    |   |    |    |    |   |   |    |    |   |   |    |    |   |   |    |    |   |    |   |   |   |    |   |   |   |   |   |   |    |    |   |
| 28            |                                                            |    |   |   |       |    |   |   |                                                                       |    |    |   |       |    |    |   |                                                                       |    |    |    |       |   |    |    |                    |   |    |    |    |   |   |    |    |   |   |    |    |   |   |    |    |   |    |   |   |   |    |   |   |   |   |   |   |    |    |   |
| 29            |                                                            |    |   |   |       |    |   |   |                                                                       |    |    |   |       |    |    |   |                                                                       |    |    |    |       |   |    |    |                    |   |    |    |    |   |   |    |    |   |   |    |    |   |   |    |    |   |    |   |   |   |    |   |   |   |   |   |   |    |    |   |
| 30            |                                                            |    |   |   |       |    |   |   |                                                                       |    |    |   |       |    |    |   |                                                                       |    |    |    |       |   |    |    |                    |   |    |    |    |   |   |    |    |   |   |    |    |   |   |    |    |   |    |   |   |   |    |   |   |   |   |   |   |    |    |   |
| 計             | 19                                                         | 19 | 0 | 0 | 27    | 27 | 0 | 0 | 55                                                                    | 25 | 25 | 0 | 0     | 25 | 25 | 0 | 0                                                                     | 34 | 28 | 28 | 0     | 0 | 21 | 21 | 0                  | 0 | 19 | 20 | 20 | 0 | 0 | 30 | 30 | 0 | 0 | 21 | 21 | 0 | 0 | 29 | 19 | 0 | 28 | 0 | 0 | 0 | 18 | 0 | 0 | 2 | 2 | 0 | 0 | 28 | 28 | 0 |

|               |                                                                                   |    |   |   |        |    |       |        |   |   |   |        |       |   |        |   |   |   |        |   |   |        |   |   |   |        |   |    |        |   |   |   |        |   |   |  |  |  |
|---------------|-----------------------------------------------------------------------------------|----|---|---|--------|----|-------|--------|---|---|---|--------|-------|---|--------|---|---|---|--------|---|---|--------|---|---|---|--------|---|----|--------|---|---|---|--------|---|---|--|--|--|
| 漁獲年月日<br>水揚げ港 | 8. 4 入港隻数：17隻 40尾入れ7ヶ、70尾入れ4ヶ<br>下前港 水揚げ量：15尾入れ41ヶ、20尾入れ 151ヶ、25尾入れ 196ヶ、30尾入れ73ヶ |    |   |   |        |    |       |        |   |   |   |        |       |   |        |   |   |   |        |   |   |        |   |   |   |        |   |    |        |   |   |   |        |   |   |  |  |  |
| 漁法            | 釣 り                                                                               |    |   |   |        |    |       |        |   |   |   |        |       |   |        |   |   |   |        |   |   |        |   |   |   |        |   |    |        |   |   |   |        |   |   |  |  |  |
| 入れ尾数          | 30尾入れ                                                                             |    |   |   |        |    | 25尾入れ |        |   |   |   |        | 20尾入れ |   |        |   |   |   | 15尾入れ  |   |   |        |   |   |   |        |   |    |        |   |   |   |        |   |   |  |  |  |
| 性別            | ♂<br>尾                                                                            | 未  | 半 | 成 | ♀<br>尾 | 未  | 交     | ♂<br>尾 | 未 | 半 | 成 | ♀<br>尾 | 未     | 交 | ♂<br>尾 | 未 | 半 | 成 | ♀<br>尾 | 未 | 交 | ♂<br>尾 | 未 | 半 | 成 | ♀<br>尾 | 未 | 交  | ♂<br>尾 | 未 | 半 | 成 | ♀<br>尾 | 未 | 交 |  |  |  |
| 外套長(cm)       |                                                                                   |    |   |   |        |    |       |        |   |   |   |        |       |   |        |   |   |   |        |   |   |        |   |   |   |        |   |    |        |   |   |   |        |   |   |  |  |  |
| 12            |                                                                                   |    |   |   |        |    |       |        |   |   |   |        |       |   |        |   |   |   |        |   |   |        |   |   |   |        |   |    |        |   |   |   |        |   |   |  |  |  |
| 13            |                                                                                   |    |   |   |        |    |       |        |   |   |   |        |       |   |        |   |   |   |        |   |   |        |   |   |   |        |   |    |        |   |   |   |        |   |   |  |  |  |
| 14            |                                                                                   |    |   |   |        |    |       |        |   |   |   |        |       |   |        |   |   |   |        |   |   |        |   |   |   |        |   |    |        |   |   |   |        |   |   |  |  |  |
| 15            |                                                                                   |    |   |   |        |    |       |        |   |   |   |        |       |   |        |   |   |   |        |   |   |        |   |   |   |        |   |    |        |   |   |   |        |   |   |  |  |  |
| 16            |                                                                                   |    |   |   |        |    |       |        |   |   |   |        |       |   |        |   |   |   |        |   |   |        |   |   |   |        |   |    |        |   |   |   |        |   |   |  |  |  |
| 17            |                                                                                   |    |   |   |        |    |       |        |   |   |   |        |       |   |        |   |   |   |        |   |   |        |   |   |   |        |   |    |        |   |   |   |        |   |   |  |  |  |
| 18            | 2                                                                                 | 2  |   |   | 1      | 1  |       |        |   |   |   |        |       |   |        |   |   |   |        |   |   |        |   |   |   |        |   |    |        |   |   |   |        |   |   |  |  |  |
| 19            | 7                                                                                 | 5  | 1 |   | 1      | 7  | 7     |        |   |   |   |        |       |   |        |   |   |   |        |   |   |        |   |   |   |        |   |    |        |   |   |   |        |   |   |  |  |  |
| 20            | 8                                                                                 | 6  |   |   | 2      | 5  | 5     |        |   |   |   |        |       |   |        |   |   |   |        |   |   |        |   |   |   |        |   |    |        |   |   |   |        |   |   |  |  |  |
| 21            |                                                                                   |    |   |   |        |    | 1     | 1      |   |   | 2 | 2      |       | 1 | 1      |   |   |   |        |   |   |        |   |   |   |        |   |    |        |   |   |   |        |   |   |  |  |  |
| 22            |                                                                                   |    |   |   |        |    | 7     | 5      | 1 | 1 | 5 | 3      | 2     | 4 | 4      |   |   |   |        | 3 | 3 |        |   |   |   |        |   |    |        |   |   |   |        |   |   |  |  |  |
| 23            |                                                                                   |    |   |   |        |    | 4     | 1      | 1 | 2 | 6 | 2      | 4     | 2 | 1      |   |   |   | 1      | 3 | 2 | 1      |   |   |   |        |   |    |        |   |   |   |        |   |   |  |  |  |
| 24            |                                                                                   |    |   |   |        |    |       |        |   |   |   |        |       | 1 | 1      |   |   |   |        | 4 | 1 | 3      |   |   |   |        |   |    |        |   |   |   | 1      | 1 |   |  |  |  |
| 25            |                                                                                   |    |   |   |        |    |       |        |   |   |   |        |       | 1 |        |   |   |   | 1      | 1 |   | 1      | 2 |   |   |        | 2 | 4  | 1      | 3 |   |   |        |   |   |  |  |  |
| 26            |                                                                                   |    |   |   |        |    |       |        |   |   |   |        |       |   |        |   |   |   |        |   |   |        |   |   |   |        |   |    |        |   |   |   |        |   |   |  |  |  |
| 27            |                                                                                   |    |   |   |        |    |       |        |   |   |   |        |       |   |        |   |   |   |        |   |   |        |   |   |   |        |   |    |        |   |   |   |        |   |   |  |  |  |
| 28            |                                                                                   |    |   |   |        |    |       |        |   |   |   |        |       |   |        |   |   |   |        |   |   |        |   |   |   |        |   |    |        |   |   |   |        |   |   |  |  |  |
| 29            |                                                                                   |    |   |   |        |    |       |        |   |   |   |        |       |   |        |   |   |   |        |   |   |        |   |   |   |        |   |    |        |   |   |   |        |   |   |  |  |  |
| 30            |                                                                                   |    |   |   |        |    |       |        |   |   |   |        |       |   |        |   |   |   |        |   |   |        |   |   |   |        |   |    |        |   |   |   |        |   |   |  |  |  |
| 計             | 17                                                                                | 13 | 1 | 3 | 13     | 13 | 0     | 12     | 7 | 2 | 3 | 13     | 7     | 6 | 9      | 7 | 0 | 2 | 11     | 6 | 5 | 2      | 0 | 0 | 2 | 13     | 1 | 12 |        |   |   |   |        |   |   |  |  |  |

|               |                                                                  |    |   |   |       |    |   |    |       |   |   |    |       |   |    |   |                                                              |   |    |   |       |    |   |   |       |    |    |   |    |    |   |   |    |   |   |    |   |   |   |    |    |   |   |   |   |   |   |   |   |
|---------------|------------------------------------------------------------------|----|---|---|-------|----|---|----|-------|---|---|----|-------|---|----|---|--------------------------------------------------------------|---|----|---|-------|----|---|---|-------|----|----|---|----|----|---|---|----|---|---|----|---|---|---|----|----|---|---|---|---|---|---|---|---|
| 漁獲年月日<br>水揚げ港 | 10. 8 入港隻数：2隻<br>鯉ヶ沢港 水揚げ量：15尾入れ13ヶ、20尾入れ49ヶ、25尾入れ 211ヶ、30尾入れ16ヶ |    |   |   |       |    |   |    |       |   |   |    |       |   |    |   | 12. 10 入港隻数：37隻<br>小泊港 水揚げ量：15尾入れ2185ヶ、20尾入れ4444ヶ、25尾入れ 648ヶ |   |    |   |       |    |   |   |       |    |    |   |    |    |   |   |    |   |   |    |   |   |   |    |    |   |   |   |   |   |   |   |   |
| 漁法            | 釣                                                                |    |   |   |       |    |   |    |       |   |   |    |       |   |    |   | 釣                                                            |   |    |   |       |    |   |   |       |    |    |   |    |    |   |   |    |   |   |    |   |   |   |    |    |   |   |   |   |   |   |   |   |
| 入れ尾数          | 30尾入れ                                                            |    |   |   | 25尾入れ |    |   |    | 20尾入れ |   |   |    | 15尾入れ |   |    |   | 25尾入れ                                                        |   |    |   | 20尾入れ |    |   |   | 15尾入れ |    |    |   |    |    |   |   |    |   |   |    |   |   |   |    |    |   |   |   |   |   |   |   |   |
| 性別            | ♂尾                                                               | 未  | 半 | 成 | ♀尾    | 未  | 交 | ♂尾 | 未     | 半 | 成 | ♀尾 | 未     | 交 | ♂尾 | 未 | 半                                                            | 成 | ♀尾 | 未 | 交     | ♂尾 | 未 | 半 | 成     | ♀尾 | 未  | 交 | ♂尾 | 未  | 半 | 成 | ♀尾 | 未 | 交 | ♂尾 | 未 | 半 | 成 | ♀尾 | 未  | 交 |   |   |   |   |   |   |   |
| 外套長(cm)       |                                                                  |    |   |   |       |    |   |    |       |   |   |    |       |   |    |   |                                                              |   |    |   |       |    |   |   |       |    |    |   |    |    |   |   |    |   |   |    |   |   |   |    |    |   |   |   |   |   |   |   |   |
| 12            |                                                                  |    |   |   |       |    |   |    |       |   |   |    |       |   |    |   |                                                              |   |    |   |       |    |   |   |       |    |    |   |    |    |   |   |    |   |   |    |   |   |   |    |    |   |   |   |   |   |   |   |   |
| 13            |                                                                  |    |   |   |       |    |   |    |       |   |   |    |       |   |    |   |                                                              |   |    |   |       |    |   |   |       |    |    |   |    |    |   |   |    |   |   |    |   |   |   |    |    |   |   |   |   |   |   |   |   |
| 14            |                                                                  |    |   |   |       |    |   |    |       |   |   |    |       |   |    |   |                                                              |   |    |   |       |    |   |   |       |    |    |   |    |    |   |   |    |   |   |    |   |   |   |    |    |   |   |   |   |   |   |   |   |
| 15            |                                                                  |    |   |   |       |    |   |    |       |   |   |    |       |   |    |   |                                                              |   |    |   |       |    |   |   |       |    |    |   |    |    |   |   |    |   |   |    |   |   |   |    |    |   |   |   |   |   |   |   |   |
| 16            |                                                                  |    |   |   |       |    |   |    |       |   |   |    |       |   |    |   |                                                              |   |    |   |       |    |   |   |       |    |    |   |    |    |   |   |    |   |   |    |   |   |   |    |    |   |   |   |   |   |   |   |   |
| 17            |                                                                  |    |   |   |       |    |   |    |       |   |   |    |       |   |    |   |                                                              |   |    |   |       |    |   |   |       |    |    |   |    |    |   |   |    |   |   |    |   |   |   |    |    |   |   |   |   |   |   |   |   |
| 18            | 5                                                                | 5  |   |   | 3     | 3  |   |    |       |   |   |    |       |   |    |   |                                                              |   |    |   |       |    |   |   |       |    |    |   |    |    |   |   |    |   |   |    |   |   |   |    |    |   |   |   |   |   |   |   |   |
| 19            | 8                                                                | 8  |   |   | 10    | 10 |   |    |       |   |   |    |       |   |    |   |                                                              |   |    |   |       |    |   |   |       |    |    |   |    |    |   |   |    |   |   |    |   |   |   |    |    |   |   |   |   |   |   |   |   |
| 20            | 4                                                                | 4  |   |   |       |    | 1 | 1  |       |   |   |    |       |   |    |   |                                                              |   |    |   |       |    |   |   |       |    |    |   |    |    |   |   |    |   |   |    |   |   |   |    |    |   |   |   |   |   |   |   |   |
| 21            |                                                                  |    |   |   |       |    |   |    |       |   |   |    |       |   |    |   |                                                              |   |    |   |       |    |   |   |       |    |    |   |    |    |   |   |    |   |   |    |   |   |   |    |    |   |   |   |   |   |   |   |   |
| 22            |                                                                  |    |   |   |       |    |   |    |       |   |   |    |       |   |    |   |                                                              |   |    |   |       |    |   |   |       |    |    |   |    |    |   |   |    |   |   |    |   |   |   |    |    |   |   |   |   |   |   |   |   |
| 23            |                                                                  |    |   |   |       |    |   |    |       |   |   |    |       |   |    |   |                                                              |   |    |   |       |    |   |   |       |    |    |   |    |    |   |   |    |   |   |    |   |   |   |    |    |   |   |   |   |   |   |   |   |
| 24            |                                                                  |    |   |   |       |    |   |    |       |   |   |    |       |   |    |   |                                                              |   |    |   |       |    |   |   |       |    |    |   |    |    |   |   |    |   |   |    |   |   |   |    |    |   |   |   |   |   |   |   |   |
| 25            |                                                                  |    |   |   |       |    |   |    |       |   |   |    |       |   |    |   |                                                              |   |    |   |       |    |   |   |       |    |    |   |    |    |   |   |    |   |   |    |   |   |   |    |    |   |   |   |   |   |   |   |   |
| 26            |                                                                  |    |   |   |       |    |   |    |       |   |   |    |       |   |    |   |                                                              |   |    |   |       |    |   |   |       |    |    |   |    |    |   |   |    |   |   |    |   |   |   |    |    |   |   |   |   |   |   |   |   |
| 27            |                                                                  |    |   |   |       |    |   |    |       |   |   |    |       |   |    |   |                                                              |   |    |   |       |    |   |   |       |    |    |   |    |    |   |   |    |   |   |    |   |   |   |    |    |   |   |   |   |   |   |   |   |
| 28            |                                                                  |    |   |   |       |    |   |    |       |   |   |    |       |   |    |   |                                                              |   |    |   |       |    |   |   |       |    |    |   |    |    |   |   |    |   |   |    |   |   |   |    |    |   |   |   |   |   |   |   |   |
| 29            |                                                                  |    |   |   |       |    |   |    |       |   |   |    |       |   |    |   |                                                              |   |    |   |       |    |   |   |       |    |    |   |    |    |   |   |    |   |   |    |   |   |   |    |    |   |   |   |   |   |   |   |   |
| 30            |                                                                  |    |   |   |       |    |   |    |       |   |   |    |       |   |    |   |                                                              |   |    |   |       |    |   |   |       |    |    |   |    |    |   |   |    |   |   |    |   |   |   |    |    |   |   |   |   |   |   |   |   |
| 計             | 17                                                               | 17 | 0 | 0 | 13    | 13 | 0 | 18 | 16    | 1 | 1 | 7  | 6     | 1 | 11 | 7 | 2                                                            | 2 | 9  | 9 | 0     | 5  | 0 | 3 | 2     | 11 | 10 | 1 | 19 | 13 | 6 | 0 | 6  | 6 | 0 | 7  | 1 | 4 | 2 | 13 | 11 | 2 | 6 | 0 | 2 | 4 | 9 | 5 | 3 |



2. プリ大型定置網標本船調査

標本船のブリ類を含む月毎の漁獲状況を表11に示した。

表11 1992年度 200海里資源調査 定置網漁獲状況結果表（深浦）

| (黒滝漁場) |      |   |   |        |         |     |     |    |    |     |       |       |       |       |       |       |       |       |       |     |     |     |     |       |     | 単位：kg |       |       |        |        |        |
|--------|------|---|---|--------|---------|-----|-----|----|----|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----|-----|-----|-------|-----|-------|-------|-------|--------|--------|--------|
| 月      | マイワシ |   |   | ウルメイワシ | カタクチイワシ | サバ  |     |    | アジ |     |       | ブリ    |       |       |       |       | ヒラマサ  | スルメイカ | ヤリイカ  | タイ  |     |     |     | サクラマス | カッオ | マグロ   |       | タラ    | その他    | 計      |        |
|        | 大    | 中 | 小 |        |         | 大   | 中   | 小  | 大  | 中   | 小     | 大     | 中     | 小     | ワラサ   | フクラゲ  |       |       |       | イナダ | 特   | 大   | 中   |       |     | 小     | マグロ   |       |        |        | メジ     |
| 5      | 240  |   |   | 260    |         | 204 | 301 |    |    |     | 12    | 95    | 252   | 32    | 6     |       | 686   |       |       | 47  | 87  | 37  | 300 | 614   |     |       |       | 4,653 | 7,826  |        |        |
| 6      |      |   |   |        |         | 140 | 293 | 34 |    |     | 68    | 34    | 248   |       | 4     |       | 1,397 |       |       | 78  | 315 | 619 | 346 | 4     |     | 456   |       | 287   | 4,323  |        |        |
| 7      |      |   |   |        |         |     |     |    |    | 100 | 132   | 491   | 129   | 5     |       | 6     | 2,027 |       |       | 5   | 4   | 3   | 48  | 10    | 11  | 617   |       | 1,563 | 5,151  |        |        |
| 8      |      |   |   |        |         |     |     |    |    |     |       | 920   | 5,909 | 19    |       | 86    |       |       |       | 10  | 4   | 2   | 157 |       | 117 |       |       | 645   | 7,869  |        |        |
| 9      |      |   |   |        |         |     |     |    |    |     |       |       |       |       |       |       |       |       |       |     |     |     |     |       |     |       |       |       | 0      |        |        |
| 10     |      |   |   |        |         |     |     | 16 |    |     |       | 11    | 79    | 19    | 36    | 46    |       |       |       |     |     |     | 5   |       |     |       |       | 319   | 531    |        |        |
| 11     | 25   |   |   |        |         | 4   |     | 4  |    |     | 605   | 1,976 | 1,506 | 438   | 285   | 12    |       |       |       |     |     | 23  | 41  |       |     | 21    |       | 8,523 | 13,463 |        |        |
| 12     | 105  |   |   |        |         |     |     |    |    |     | 1,291 | 382   | 185   | 1,318 | 672   | 252   | 451   |       |       |     | 3   |     | 86  | 4     |     | 11    |       | 8     | 6,158  | 10,926 |        |
| 計      | 370  | 0 | 0 | 260    | 0       | 348 | 594 | 34 | 20 | 0   | 100   | 2,108 | 3,909 | 8,308 | 1,831 | 1,003 | 402   | 0     | 4,561 | 0   | 140 | 413 | 684 | 983   | 632 | 128   | 1,105 | 0     | 8      | 22,148 | 50,089 |

※  
銘柄規準（県漁連規格）  
ブリ  
大：6kg以上  
中：4～6kg未満  
小：3～4kg 〃  
ワラサ：1.5～3kg未満  
フクラギ：0.7～1.5kg未満  
イナダ：0.7kg未満

| (横磯漁場) |      |    |   |        |         |     |     |    |    |     |       |       |       |        |        |       |      |       |      |     |     |     |     |       |     | 単位：kg |       |    |       |        |        |
|--------|------|----|---|--------|---------|-----|-----|----|----|-----|-------|-------|-------|--------|--------|-------|------|-------|------|-----|-----|-----|-----|-------|-----|-------|-------|----|-------|--------|--------|
| 月      | マイワシ |    |   | ウルメイワシ | カタクチイワシ | サバ  |     |    | アジ |     |       | ブリ    |       |        |        |       | ヒラマサ | スルメイカ | ヤリイカ | タイ  |     |     |     | サクラマス | カッオ | マグロ   |       | タラ | その他   | 計      |        |
|        | 大    | 中  | 小 |        |         | 大   | 中   | 小  | 大  | 中   | 小     | 大     | 中     | 小      | ワラサ    | フクラゲ  |      |       |      | イナダ | 特   | 大   | 中   |       |     | 小     | マグロ   |    |       |        | メジ     |
| 5      | 675  | 10 |   | 65     |         | 60  | 148 | 3  |    |     | 36    | 89    | 818   | 36     | 7      | 5     |      | 170   |      | 5   | 62  | 88  | 162 | 139   |     |       | 10    | 6  | 2,739 | 5,333  |        |
| 6      | 55   |    |   |        |         | 160 | 218 | 88 | 8  |     | 44    | 210   | 2,368 |        |        |       | 1    | 4     |      | 73  | 266 | 455 | 643 |       | 8   | 1,731 |       |    | 2,870 | 9,202  |        |
| 7      |      |    |   |        |         |     |     |    |    | 209 | 267   | 491   | 68    | 12     |        |       |      | 492   |      |     | 16  | 17  | 154 |       | 16  | 2,276 |       |    | 732   | 4,750  |        |
| 8      |      |    |   |        |         |     |     |    |    | 8   | 79    | 70    | 2,641 | 8      |        | 198   |      |       |      |     |     | 7   | 26  |       | 42  | 25    |       |    | 860   | 3,964  |        |
| 9      |      |    |   |        |         |     |     |    |    |     |       |       |       |        |        |       |      |       |      |     |     |     |     |       |     |       |       |    |       | 0      |        |
| 10     |      |    |   |        |         |     |     |    | 24 | 42  |       | 11    | 71    | 369    | 25     | 115   | 123  |       | 245  |     |     | 6   | 77  |       |     | 97    |       |    | 403   | 1,608  |        |
| 11     |      |    |   |        |         |     |     |    |    |     | 4,265 | 675   | 7,638 | 5,582  | 288    | 31    |      |       |      |     | 4   | 2   | 17  |       |     | 11    |       |    | 1,893 | 20,406 |        |
| 12     |      |    |   |        |         |     |     |    |    |     | 385   | 248   | 501   | 8,884  | 1,384  | 65    |      | 40    | 11   |     |     |     | 143 |       |     |       | 7     | 26 | 1,421 | 13,115 |        |
| 計      | 730  | 10 | 0 | 65     | 0       | 220 | 366 | 91 | 32 | 42  | 217   | 5,087 | 1,854 | 14,403 | 14,547 | 1,794 | 422  | 1     | 951  | 11  | 78  | 348 | 575 | 1,222 | 139 | 66    | 4,140 | 17 | 32    | 10,918 | 58,378 |

マグロ  
マグロ：5kg以上  
メジ：5kg未満

タイ  
特：4kg以上  
大：3～4kg未満  
中：1.5～3kg未満  
小：1.5kg未満

従来の標本船は黒滝漁場と越漁場であったが、本年は越漁場が変わって横磯漁場が標本船となり、黒滝漁場との2ヵ統で調査を実施した。

黒滝漁場では調査期間中延べ115日の出漁で50,089kgの漁獲であった。主な魚種の内訳は、ブリが全体の35%、マイワシ・カタクチイワシ・アジ・サバ・スルメイカの対象魚種が4%であった。また、ブリの漁獲量のうち銘柄別の漁獲割合はブリ（3kg以上）が82%、ワラサ（1.5～3kg）10%、1.5kg以下のフクラゲ・イナダ8%であった。

ブリの月別・銘柄別の漁獲動向について図1に示した。8月は3kg台の銘柄を主体に、11月は3～6kg、12月は4～6kg・1.5～3kgの銘柄を主体に漁獲された。

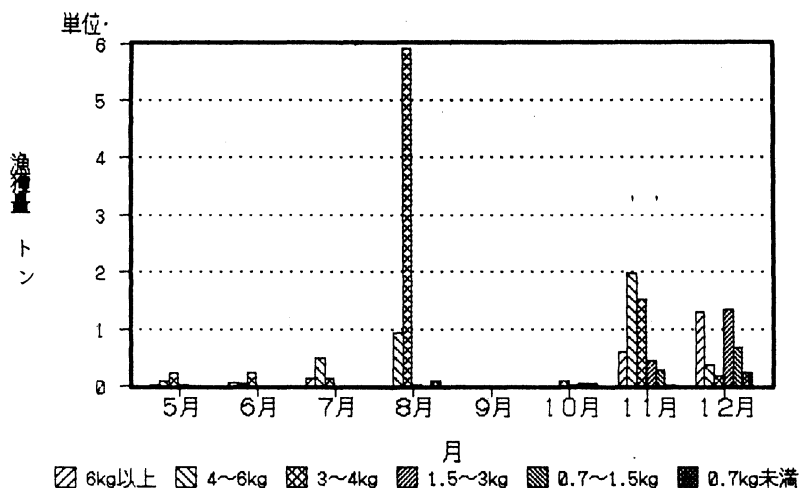


図1 月別・銘柄別ブリ漁獲動向（黒滝漁場）

横磯漁場では調査期間中延べ99日の出漁で58,378kgの漁獲であった。主な魚種の内訳は、ブリが全体の65%、マイワシ・カタクチイワシ・アジ・サバ・スルメイカの対象魚種が3%であった。また、ブリの漁獲量のうち銘柄別の漁獲割合はブリ（3kg以上）が38%、ワラサ（1.5～3kg）38%、1.5kg以下のフクラゲ・イナダ6%であった。

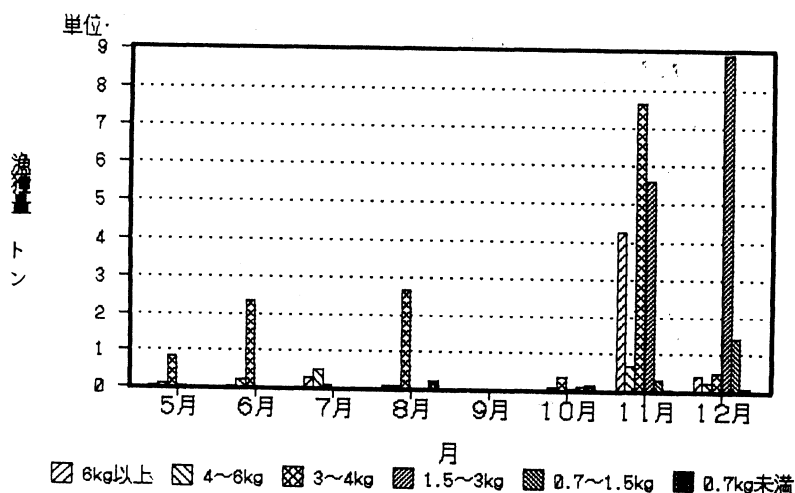


図2 月別・銘柄別ブリ漁獲動向（横磯漁場）

ブリの月別・銘柄別の漁獲動向について図2に示した。5月から8月は3kg台の銘柄を主体に、11月は3kg台、12月は1.5～3kgの銘柄を主体に漁獲された。

黒滝・横磯漁場の月別・銘柄別漁獲動向について図3に示した。

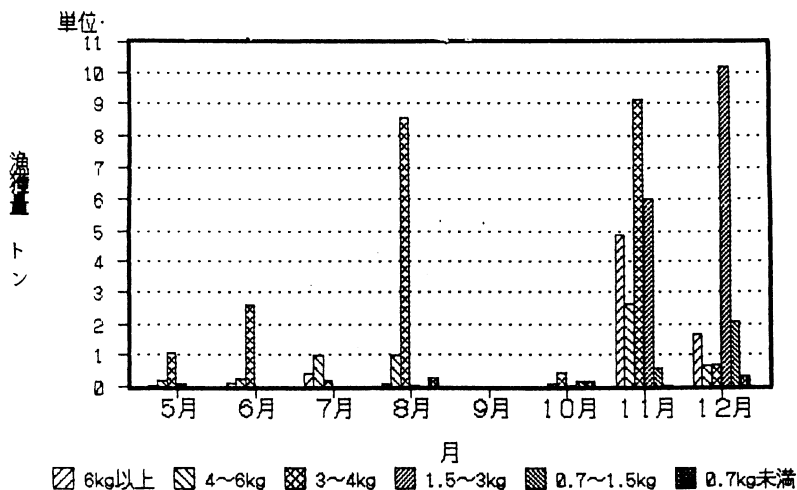


図3 月別・銘柄別ブリ漁獲動向（黒滝+横磯漁場）

定置網漁業で漁獲される魚種のなかでブリは重要な資源となっているが、委託調査が始まった1978年以降の標本船2ヵ統のブリの経年漁獲動向について図4に示した。

1978年・1979年には50トンから70トンの漁獲水準であったが、1980年以降減少し、1987年・1989年には調査始まって以来10トンを割る漁獲水準となった。しかし、1990年以降は増加し、1992年は56トンと1979年に次ぐ高い漁獲水準であった。

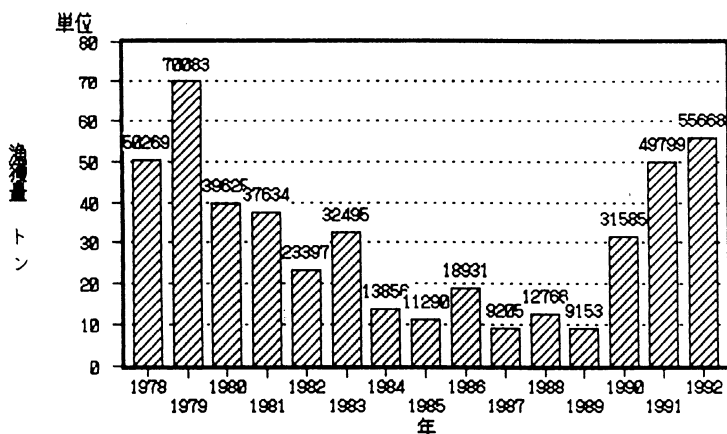


図4 標本船におけるブリ経年別漁獲動向（黒滝+越（横磯）漁場）

また、年別の漁獲銘柄別の漁獲動向と漁獲割合を表12・13・図5・6に示した。漁獲水準の高かった1978年・1979年と1991年・1992年の銘柄別の漁獲組成をみると、本県でブリと称される3kg以上の銘柄

の漁獲割合は、1978年・1979年では20%台であったのに対し、1991年・1992年は48～64%と高く、漁獲水準が高かった時の銘柄組成に違いがみられた。

また、1985年以降の漁獲水準が低い時の銘柄組成は、1990年を除き3kg以上の銘柄の漁獲量が40%以上を占め、近年は大型魚体の来遊が特徴となっている。

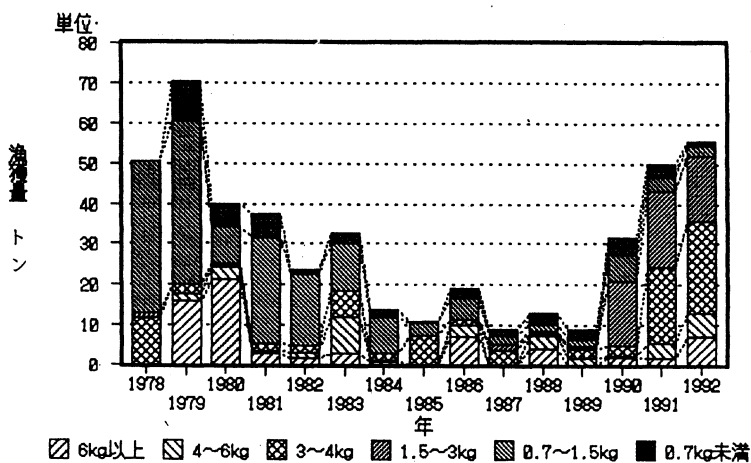


図5 標本船におけるブリ経年別・銘柄別漁獲動向（黒滝+越（横磯）漁場）

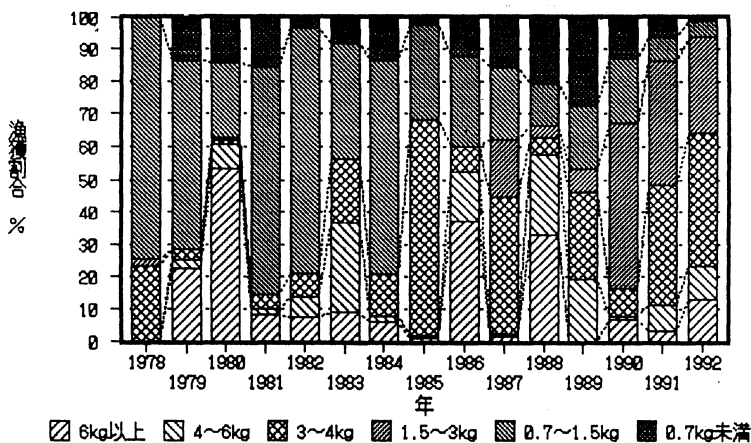


図6 標本船におけるブリ経年別・銘柄別漁獲割合（黒滝+越（横磯）漁場）

表12 標本船2ヵ統による漁獲動向kg

| 年    | 銘柄 | 大      | 中     | 小      | ワ | ラ      | サ | フ      | ク | ラ | ゲ | イ | ナ     | ダ | 計      |
|------|----|--------|-------|--------|---|--------|---|--------|---|---|---|---|-------|---|--------|
| 1978 |    |        |       | 11,764 |   | 1,078  |   | 37,427 |   |   |   |   | 0     |   | 50,269 |
| 1979 |    | 15,803 | 1,728 | 2,392  |   | 7      |   | 40,502 |   |   |   |   | 9,651 |   | 70,083 |
| 1980 |    | 21,172 | 2,944 | 501    |   | 314    |   | 9,197  |   |   |   |   | 5,497 |   | 29,625 |
| 1981 |    | 3,089  | 647   | 1,673  |   | 0      |   | 26,385 |   |   |   |   | 5,840 |   | 37,634 |
| 1982 |    | 1,699  | 1,441 | 1,728  |   | 0      |   | 17,713 |   |   |   |   | 816   |   | 23,397 |
| 1983 |    | 2,870  | 9,049 | 6,476  |   | 0      |   | 11,512 |   |   |   |   | 2,588 |   | 32,495 |
| 1984 |    | 835    | 261   | 1,766  |   | 0      |   | 9,142  |   |   |   |   | 1,852 |   | 13,858 |
| 1985 |    | 136    | 79    | 7,495  |   | 0      |   | 3,345  |   |   |   |   | 235   |   | 11,290 |
| 1986 |    | 6,955  | 2,928 | 1,454  |   | 0      |   | 5,266  |   |   |   |   | 2,328 |   | 18,931 |
| 1987 |    | 116    | 62    | 3,907  |   | 1,623  |   | 2,037  |   |   |   |   | 1,457 |   | 9,205  |
| 1988 |    | 4,181  | 3,179 | 651    |   | 477    |   | 1,661  |   |   |   |   | 2,617 |   | 12,766 |
| 1989 |    | 15     | 1,769 | 2,478  |   | 686    |   | 1,755  |   |   |   |   | 2,450 |   | 9,153  |
| 1990 |    | 2,080  | 292   | 2,623  |   | 16,082 |   | 6,348  |   |   |   |   | 4,160 |   | 31,585 |
| 1991 |    | 1,677  | 3,804 | 18,644 |   | 18,857 |   | 3,689  |   |   |   |   | 3,128 |   | 49,799 |
| 1992 |    | 7,159  | 5,763 | 22,711 |   | 16,378 |   | 2,792  |   |   |   |   | 824   |   | 55,668 |

表13 標本船2ヶ統による漁獲割合%

| 年    | 銘柄 | 大    | 中    | 小    | ワ | ラ    | サ | フ    | ク | ラ | ゲ | イ | ナ    | ダ | 計   |
|------|----|------|------|------|---|------|---|------|---|---|---|---|------|---|-----|
| 1978 |    | 0.0  | 0.0  | 23.4 |   | 2.1  |   | 74.5 |   |   |   |   | 0.0  |   | 100 |
| 1979 |    | 22.5 | 2.5  | 3.4  |   | 0.0  |   | 57.8 |   |   |   |   | 13.8 |   | 100 |
| 1980 |    | 53.4 | 7.4  | 1.3  |   | 0.8  |   | 23.2 |   |   |   |   | 13.9 |   | 100 |
| 1981 |    | 8.2  | 1.7  | 4.4  |   | 0.0  |   | 70.1 |   |   |   |   | 15.5 |   | 100 |
| 1982 |    | 7.3  | 6.2  | 7.4  |   | 0.0  |   | 75.7 |   |   |   |   | 3.5  |   | 100 |
| 1983 |    | 8.8  | 27.8 | 19.9 |   | 0.0  |   | 35.4 |   |   |   |   | 8.0  |   | 100 |
| 1984 |    | 6.0  | 1.9  | 12.7 |   | 0.0  |   | 66.0 |   |   |   |   | 13.4 |   | 100 |
| 1985 |    | 1.2  | 0.7  | 66.4 |   | 0.0  |   | 29.6 |   |   |   |   | 2.1  |   | 100 |
| 1986 |    | 36.7 | 15.5 | 7.7  |   | 0.0  |   | 27.8 |   |   |   |   | 12.3 |   | 100 |
| 1987 |    | 1.3  | 0.7  | 42.4 |   | 17.6 |   | 22.1 |   |   |   |   | 15.8 |   | 100 |
| 1988 |    | 32.8 | 24.9 | 5.1  |   | 3.7  |   | 13.0 |   |   |   |   | 20.5 |   | 100 |
| 1989 |    | 0.2  | 19.3 | 27.1 |   | 7.5  |   | 19.2 |   |   |   |   | 26.8 |   | 100 |
| 1990 |    | 6.6  | 0.9  | 8.3  |   | 50.9 |   | 20.1 |   |   |   |   | 13.2 |   | 100 |
| 1991 |    | 3.4  | 7.6  | 37.4 |   | 37.9 |   | 7.4  |   |   |   |   | 6.3  |   | 100 |
| 1992 |    | 12.9 | 10.4 | 40.8 |   | 29.4 |   | 5.0  |   |   |   |   | 1.5  |   | 100 |