

## (17) 資源管理型漁業推進事業

### 予算

大阪府資源管理協議会委託事業

### 結果の概要

資源管理対象種であるイカナゴ、マコガレイ、メイタガレイ、シャコ、ガザミ、ヒラメ、オニオコゼ、クルマエビ、マアナゴ、スズキについて、資源動向や管理効果の把握、管理方策の見直し等に用いる基礎データを得るために、漁獲量調査、漁獲物測定調査を実施した。

### 調査方法

#### 1. 調査期間

2013年4月～2014年3月

#### 2. 調査対象魚種

イカナゴ、マコガレイ、メイタガレイ、シャコ、ガザミ、ヒラメ、オニオコゼ、クルマエビ、マアナゴ、スズキの資源管理対象魚種計10種類。

#### 3. 調査項目

##### 1) 漁獲量調査

組合統計および標本船日誌の記帳を依頼し、漁獲量や漁獲尾数などのデータを収集した。漁獲量データに関しては本資料集「漁況調査」に掲載。

##### 2) 生物調査

漁獲物について全長、体重などの測定を行った。

### 調査結果

表1～9のとおり。

### 担当者

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表 1 標本船の 1 日あたりイカナゴ漁獲重量、漁獲尾数推移 (2013 年)

|           | 漁獲重量(kg) | 漁獲尾数(100万尾) |
|-----------|----------|-------------|
| 2013/2/23 | 73       | 0.8         |
| 2013/2/24 |          |             |
| 2013/2/25 |          |             |
| 2013/2/26 |          |             |
| 2013/2/27 | 480      | 3.5         |
| 2013/2/28 | 237      | 1.6         |
| 2013/3/1  | 247      | 1.5         |
| 2013/3/2  | 357      | 2.0         |
| 2013/3/3  |          |             |
| 2013/3/4  | 1413     | 6.7         |
| 2013/3/5  | 200      | 0.9         |
| 2013/3/6  | 660      | 2.7         |
| 2013/3/7  | 167      | 0.6         |
| 2013/3/8  | 400      | 1.4         |
| 2013/3/9  | 287      | 0.9         |
| 2013/3/10 |          |             |
| 2013/3/11 | 180      | 0.5         |
| 2013/3/12 | 27       | 0.1         |
| 2013/3/13 |          |             |
| 2013/3/14 |          |             |
| 2013/3/15 | 87       | 0.2         |
| 2013/3/16 | 20       | 0.0         |

漁獲重量から尾数への換算方法は、平成 17 年度大阪水試事報の P98 と同じ方法で行った。

表2 石げた網（中部標本組合）におけるマコガレイ全長測定結果（月別全長階級別個体数）

| 全長範囲 (mm) |     | 年月 | 2013年 |    |    |    |    |    |     |     |     |     | 2014年 |    |  |
|-----------|-----|----|-------|----|----|----|----|----|-----|-----|-----|-----|-------|----|--|
| 以上        | 未満  |    | 4月    | 5月 | 6月 | 7月 | 8月 | 9月 | 10月 | 11月 | 12月 | 1月  | 2月    | 3月 |  |
| 100 ~     | 110 |    |       |    |    |    |    |    |     |     |     |     |       |    |  |
| 110 ~     | 120 |    |       |    |    |    |    |    |     |     |     |     |       |    |  |
| 120 ~     | 130 |    |       |    |    |    |    |    |     |     |     |     | 1     |    |  |
| 130 ~     | 140 |    |       |    |    |    |    |    |     |     |     |     |       |    |  |
| 140 ~     | 150 |    |       |    |    |    | 1  |    |     |     |     |     | 3     | 1  |  |
| 150 ~     | 160 |    |       |    |    |    |    |    |     |     |     |     | 1     | 1  |  |
| 160 ~     | 170 |    |       |    |    |    |    |    |     |     |     |     | 3     | 1  |  |
| 170 ~     | 180 |    |       |    |    |    |    |    |     |     |     |     | 6     | 1  |  |
| 180 ~     | 190 |    | 2     |    |    |    |    |    |     | 1   |     |     | 1     | 5  |  |
| 190 ~     | 200 |    | 3     |    |    |    | 1  |    |     |     |     |     | 1     | 5  |  |
| 200 ~     | 210 |    | 7     |    |    |    |    | 1  |     |     |     |     | 7     | 10 |  |
| 210 ~     | 220 |    | 3     |    | 1  |    |    | 1  |     |     |     |     | 19    | 6  |  |
| 220 ~     | 230 |    | 1     |    | 3  |    |    |    |     |     |     |     | 12    |    |  |
| 230 ~     | 240 |    |       |    |    |    |    | 1  | 1   |     |     |     | 11    |    |  |
| 240 ~     | 250 |    | 1     |    |    |    |    |    |     |     | 1   |     | 26    | 2  |  |
| 250 ~     | 260 |    | 1     |    |    |    | 1  | 1  |     |     | 1   |     | 29    | 3  |  |
| 260 ~     | 270 |    | 3     |    |    |    |    |    |     |     | 1   |     | 25    | 1  |  |
| 270 ~     | 280 |    | 2     |    |    |    |    |    |     | 1   | 2   |     | 17    | 2  |  |
| 280 ~     | 290 |    | 4     |    |    |    | 1  |    |     |     |     |     | 18    | 1  |  |
| 290 ~     | 300 |    | 1     | 1  |    |    |    | 1  |     |     |     |     | 19    | 1  |  |
| 300 ~     | 310 |    | 2     |    |    |    |    |    |     |     |     |     | 8     | 1  |  |
| 310 ~     | 320 |    | 1     |    |    |    |    | 1  |     |     |     |     | 5     |    |  |
| 320 ~     | 330 |    |       |    |    |    |    |    |     |     |     | 1   | 7     | 1  |  |
| 330 ~     | 340 |    |       |    |    |    |    |    |     |     |     | 1   | 6     | 1  |  |
| 340 ~     | 350 |    | 2     |    |    |    |    | 1  |     |     |     |     | 8     | 1  |  |
| 350 ~     | 360 |    |       |    |    |    |    |    |     |     |     |     | 2     |    |  |
| 360 ~     | 370 |    |       |    |    |    |    |    |     | 1   | 1   |     | 3     |    |  |
| 370 ~     | 380 |    |       |    |    |    |    |    |     |     |     |     |       |    |  |
| 380 ~     | 390 |    |       |    |    |    |    |    |     |     |     |     | 3     |    |  |
| 390 ~     | 400 |    |       |    |    |    |    |    |     |     |     | 1   | 2     |    |  |
| 400 ~     |     |    | 1     |    |    |    |    |    |     |     |     | 1   | 1     |    |  |
|           | 計   |    | 34    | 1  | 4  | 4  | 7  | 1  |     | 4   | 10  | 244 | 12    | 37 |  |

表3 石げた網（中部標本組合）におけるメイタガレイ全長測定結果（月別全長階級別個体数）

| 全長範囲 (mm) |     | 年月 | 2013年 |     |     |    |     |     |     |     |     |     | 2014年 |     |  |
|-----------|-----|----|-------|-----|-----|----|-----|-----|-----|-----|-----|-----|-------|-----|--|
| 以上        | 未満  |    | 4月    | 5月  | 6月  | 7月 | 8月  | 9月  | 10月 | 11月 | 12月 | 1月  | 2月    | 3月  |  |
| 100 ~     | 105 |    |       |     |     |    |     |     |     |     |     |     |       |     |  |
| 105 ~     | 110 |    |       |     |     |    |     |     |     |     |     |     |       |     |  |
| 110 ~     | 115 |    |       |     |     |    |     |     |     | 2   |     |     |       |     |  |
| 115 ~     | 120 |    |       | 4   | 5   |    |     | 1   |     |     |     |     |       |     |  |
| 120 ~     | 125 |    |       | 15  | 18  |    |     | 9   | 6   |     | 2   |     | 2     |     |  |
| 125 ~     | 130 |    |       | 44  | 11  |    |     | 20  | 6   | 1   | 2   |     | 2     | 1   |  |
| 130 ~     | 135 |    |       | 55  | 7   |    |     | 55  | 9   | 2   | 2   |     | 6     | 2   |  |
| 135 ~     | 140 |    | 1     | 98  | 24  | 2  |     | 60  | 21  | 2   | 8   |     | 17    | 1   |  |
| 140 ~     | 145 |    | 1     | 54  | 18  | 3  |     | 49  | 32  | 7   | 6   |     | 22    | 4   |  |
| 145 ~     | 150 |    | 5     | 34  | 16  | 4  |     | 42  | 42  | 12  | 6   |     | 36    | 8   |  |
| 150 ~     | 155 |    | 1     | 12  | 10  | 1  |     | 20  | 33  | 11  | 8   |     | 15    | 18  |  |
| 155 ~     | 160 |    | 7     | 14  | 14  | 4  |     | 21  | 24  | 13  | 5   |     | 25    | 12  |  |
| 160 ~     | 165 |    | 25    | 4   | 2   | 2  |     | 7   | 18  | 11  | 12  |     | 19    | 29  |  |
| 165 ~     | 170 |    | 19    | 15  | 1   | 4  |     | 1   | 6   | 7   | 7   |     | 19    | 31  |  |
| 170 ~     | 175 |    | 32    | 20  |     | 1  |     | 2   | 3   | 2   | 7   |     | 13    | 26  |  |
| 175 ~     | 180 |    | 51    | 14  |     | 2  |     |     | 9   | 1   | 8   |     | 12    | 30  |  |
| 180 ~     | 185 |    | 25    | 25  |     | 1  |     |     | 14  | 1   | 7   |     | 4     | 22  |  |
| 185 ~     | 190 |    | 26    | 19  |     |    |     |     | 16  | 4   | 6   |     | 5     | 14  |  |
| 190 ~     | 195 |    | 35    | 20  |     |    |     |     | 7   | 1   | 4   |     | 5     | 21  |  |
| 195 ~     | 200 |    | 27    | 21  |     | 1  |     |     | 9   |     | 2   |     | 2     | 18  |  |
| 200 ~     | 205 |    | 22    | 8   |     |    |     |     | 10  |     | 3   |     | 7     | 1   |  |
| 205 ~     | 210 |    | 18    | 14  |     | 1  |     |     | 8   |     | 3   |     | 3     | 13  |  |
| 210 ~     | 215 |    | 30    | 9   |     |    |     |     | 4   |     | 2   |     | 3     | 6   |  |
| 215 ~     | 220 |    | 14    | 5   |     |    |     |     | 6   |     | 1   |     | 3     | 4   |  |
| 220 ~     | 225 |    | 17    | 9   |     |    |     |     | 2   |     |     |     | 5     | 5   |  |
| 225 ~     | 230 |    | 8     | 8   |     |    |     |     | 1   |     |     |     | 1     | 3   |  |
| 230 ~     | 235 |    | 3     | 6   |     |    |     |     |     |     | 1   |     |       | 1   |  |
| 235 ~     | 240 |    | 2     | 4   |     |    |     |     |     |     | 1   |     | 1     | 3   |  |
| 240 ~     | 245 |    |       | 4   |     |    |     |     |     |     | 2   |     | 2     | 2   |  |
| 245 ~     | 250 |    |       | 2   |     |    |     |     | 1   |     | 1   |     | 1     | 3   |  |
| 250 ~     | 255 |    | 1     | 1   |     |    |     |     | 1   |     |     |     | 1     |     |  |
| 255 ~     | 260 |    | 2     |     |     |    |     |     | 1   |     |     |     |       | 2   |  |
| 260 ~     | 265 |    | 1     | 1   |     |    |     |     |     |     | 1   |     | 1     | 1   |  |
| 265 ~     | 270 |    | 1     |     |     |    |     |     |     |     |     |     | 2     | 1   |  |
| 270 ~     | 275 |    |       |     |     |    |     |     |     |     | 1   |     | 1     |     |  |
| 275 ~     | 280 |    | 2     |     |     |    |     |     |     |     |     |     |       |     |  |
| 280 ~     | 285 |    |       | 1   |     |    |     |     |     |     |     |     | 1     |     |  |
| 285 ~     | 290 |    |       | 1   |     |    |     |     |     |     |     |     | 2     |     |  |
| 290 ~     | 295 |    |       |     |     |    |     |     |     |     |     |     |       |     |  |
| 295 ~     | 300 |    |       |     |     |    |     |     |     |     |     |     | 2     |     |  |
| 300 ~     |     |    | 1     |     |     |    |     |     |     |     |     |     |       |     |  |
|           | 計   |    | 376   | 538 | 126 | 27 | 288 | 291 | 76  | 110 | 238 | 262 | 115   | 283 |  |

表4 石げた網（中部標本組合）におけるシヤコ体長測定結果（雌雄別体長階級別個体数）

| 全長範囲(mm) | 年月  | 2013年 |     |    |    |     |    |     |    |     |    |     |     | 2014年 |    |     |    |     |    |    |   |    |   |    |    |    |
|----------|-----|-------|-----|----|----|-----|----|-----|----|-----|----|-----|-----|-------|----|-----|----|-----|----|----|---|----|---|----|----|----|
|          |     | 4月    |     | 5月 |    | 6月  |    | 7月  |    | 8月  |    | 9月  |     | 10月   |    | 11月 |    | 12月 |    | 1月 |   | 2月 |   | 3月 |    |    |
|          |     | ♂     | ♀   | ♂  | ♀  | ♂   | ♀  | ♂   | ♀  | ♂   | ♀  | ♂   | ♀   | ♂     | ♀  | ♂   | ♀  | ♂   | ♀  | ♂  | ♀ | ♂  | ♀ | ♂  | ♀  |    |
| 以上       | 未満  | 雌雄    |     |    |    |     |    |     |    |     |    |     |     |       |    |     |    |     |    |    |   |    |   |    |    |    |
| 50       | 50  |       |     |    |    |     |    |     |    |     |    |     |     |       |    |     |    |     |    |    |   |    |   |    |    |    |
| 50       | 55  |       |     |    |    |     |    |     |    |     |    |     |     |       |    |     |    |     |    |    |   |    |   |    |    |    |
| 55       | 60  |       |     |    |    |     |    |     |    |     |    |     |     |       |    |     |    |     |    |    |   |    |   |    |    |    |
| 60       | 65  |       |     |    |    |     |    |     |    |     |    |     |     |       |    |     |    |     |    |    |   |    |   |    |    |    |
| 65       | 70  |       |     |    |    |     |    |     |    |     |    |     |     |       |    |     |    |     |    |    |   |    |   |    |    |    |
| 70       | 75  |       |     |    |    |     |    |     |    |     |    |     |     |       |    |     |    |     |    |    |   |    |   |    |    |    |
| 75       | 80  |       |     |    |    |     |    |     |    |     |    |     |     |       |    |     |    |     |    |    |   |    |   |    |    |    |
| 80       | 85  |       |     |    |    |     |    |     |    |     |    |     |     |       |    |     |    |     |    |    |   |    |   |    |    |    |
| 85       | 90  |       |     |    |    |     |    |     |    |     |    |     |     |       |    |     |    |     |    |    |   |    |   |    |    |    |
| 90       | 95  |       |     |    |    |     |    |     |    |     |    |     |     |       |    |     |    |     |    |    |   |    |   |    |    |    |
| 95       | 100 |       |     |    |    |     |    |     |    |     |    |     |     |       |    |     |    |     |    |    |   |    |   |    |    |    |
| 100      | 105 |       |     |    |    |     |    |     |    |     |    |     |     |       |    |     |    |     |    |    |   |    |   |    |    |    |
| 105      | 110 |       |     |    |    |     |    |     |    |     |    |     |     |       |    |     |    |     |    |    |   |    |   |    |    |    |
| 110      | 115 |       |     |    |    |     |    |     |    |     |    |     |     |       |    |     |    |     |    |    |   |    |   |    |    |    |
| 115      | 120 |       |     |    |    |     |    |     |    |     |    |     |     |       |    |     |    |     |    |    |   |    |   |    |    |    |
| 120      | 125 |       |     |    |    |     |    |     |    |     |    |     |     |       |    |     |    |     |    |    |   |    |   |    |    |    |
| 125      | 130 |       |     |    |    |     |    |     |    |     |    |     |     |       |    |     |    |     |    |    |   |    |   |    |    |    |
| 130      | 135 |       |     |    |    |     |    |     |    |     |    |     |     |       |    |     |    |     |    |    |   |    |   |    |    |    |
| 135      | 140 |       |     |    |    |     |    |     |    |     |    |     |     |       |    |     |    |     |    |    |   |    |   |    |    |    |
| 140      | 145 |       |     |    |    |     |    |     |    |     |    |     |     |       |    |     |    |     |    |    |   |    |   |    |    |    |
| 145      | 150 |       |     |    |    |     |    |     |    |     |    |     |     |       |    |     |    |     |    |    |   |    |   |    |    |    |
| 150      | 155 |       |     |    |    |     |    |     |    |     |    |     |     |       |    |     |    |     |    |    |   |    |   |    |    |    |
| 155      | 160 |       |     |    |    |     |    |     |    |     |    |     |     |       |    |     |    |     |    |    |   |    |   |    |    |    |
| 160      | 165 |       |     |    |    |     |    |     |    |     |    |     |     |       |    |     |    |     |    |    |   |    |   |    |    |    |
| 165      | 170 |       |     |    |    |     |    |     |    |     |    |     |     |       |    |     |    |     |    |    |   |    |   |    |    |    |
| 170      | 175 |       |     |    |    |     |    |     |    |     |    |     |     |       |    |     |    |     |    |    |   |    |   |    |    |    |
| 175      | 180 |       |     |    |    |     |    |     |    |     |    |     |     |       |    |     |    |     |    |    |   |    |   |    |    |    |
| 180      | 185 |       |     |    |    |     |    |     |    |     |    |     |     |       |    |     |    |     |    |    |   |    |   |    |    |    |
| 185      | 190 |       |     |    |    |     |    |     |    |     |    |     |     |       |    |     |    |     |    |    |   |    |   |    |    |    |
| 190      | 195 |       |     |    |    |     |    |     |    |     |    |     |     |       |    |     |    |     |    |    |   |    |   |    |    |    |
| 195      | 200 |       |     |    |    |     |    |     |    |     |    |     |     |       |    |     |    |     |    |    |   |    |   |    |    |    |
| 200      | ~   |       |     |    |    |     |    |     |    |     |    |     |     |       |    |     |    |     |    |    |   |    |   |    |    |    |
| 計        |     |       | 211 | 61 | 95 | 130 | 99 | 119 | 52 | 212 | 92 | 155 | 169 | 171   | 42 | 29  | 42 | 47  | 71 | 74 |   |    |   |    | 19 | 29 |

表5 石げた網（中部標本組合）におけるガザミ甲幅長測定結果（雌雄別甲幅長階級別個体数）

| 全長範囲(mm) | 年月  | 2013年 |    |    |    |    |    |    |    |    |    |    |    | 2014年 |    |     |    |     |    |    |    |    |    |    |   |  |
|----------|-----|-------|----|----|----|----|----|----|----|----|----|----|----|-------|----|-----|----|-----|----|----|----|----|----|----|---|--|
|          |     | 4月    |    | 5月 |    | 6月 |    | 7月 |    | 8月 |    | 9月 |    | 10月   |    | 11月 |    | 12月 |    | 1月 |    | 2月 |    | 3月 |   |  |
|          |     | ♂     | ♀  | ♂  | ♀  | ♂  | ♀  | ♂  | ♀  | ♂  | ♀  | ♂  | ♀  | ♂     | ♀  | ♂   | ♀  | ♂   | ♀  | ♂  | ♀  | ♂  | ♀  | ♂  | ♀ |  |
| 105      | 105 |       |    |    |    |    |    |    |    |    |    |    |    |       |    |     |    |     |    |    |    |    |    |    |   |  |
| 110      | 110 |       |    |    |    |    |    |    |    |    |    |    |    |       |    |     |    |     |    |    |    |    |    |    |   |  |
| 115      | 115 |       |    |    |    |    |    |    |    |    |    |    |    |       |    |     |    |     |    |    |    |    |    |    |   |  |
| 120      | 120 |       |    |    |    |    |    |    |    |    |    |    |    |       |    |     |    |     |    |    |    |    |    |    |   |  |
| 125      | 125 |       |    |    |    |    |    |    |    |    |    |    |    |       |    |     |    |     |    |    |    |    |    |    |   |  |
| 130      | 130 |       |    |    |    |    |    |    |    |    |    |    |    |       |    |     |    |     |    |    |    |    |    |    |   |  |
| 135      | 135 |       |    |    |    |    |    |    |    |    |    |    |    |       |    |     |    |     |    |    |    |    |    |    |   |  |
| 140      | 140 |       |    |    |    |    |    |    |    |    |    |    |    |       |    |     |    |     |    |    |    |    |    |    |   |  |
| 145      | 145 |       |    |    |    |    |    |    |    |    |    |    |    |       |    |     |    |     |    |    |    |    |    |    |   |  |
| 150      | 150 |       |    |    |    |    |    |    |    |    |    |    |    |       |    |     |    |     |    |    |    |    |    |    |   |  |
| 155      | 155 |       |    |    |    |    |    |    |    |    |    |    |    |       |    |     |    |     |    |    |    |    |    |    |   |  |
| 160      | 160 |       |    |    |    |    |    |    |    |    |    |    |    |       |    |     |    |     |    |    |    |    |    |    |   |  |
| 165      | 165 |       |    |    |    |    |    |    |    |    |    |    |    |       |    |     |    |     |    |    |    |    |    |    |   |  |
| 170      | 170 |       |    |    |    |    |    |    |    |    |    |    |    |       |    |     |    |     |    |    |    |    |    |    |   |  |
| 175      | 175 |       |    |    |    |    |    |    |    |    |    |    |    |       |    |     |    |     |    |    |    |    |    |    |   |  |
| 180      | 180 |       |    |    |    |    |    |    |    |    |    |    |    |       |    |     |    |     |    |    |    |    |    |    |   |  |
| 185      | 185 |       |    |    |    |    |    |    |    |    |    |    |    |       |    |     |    |     |    |    |    |    |    |    |   |  |
| 190      | 190 |       |    |    |    |    |    |    |    |    |    |    |    |       |    |     |    |     |    |    |    |    |    |    |   |  |
| 195      | 195 |       |    |    |    |    |    |    |    |    |    |    |    |       |    |     |    |     |    |    |    |    |    |    |   |  |
| 200      | 200 |       |    |    |    |    |    |    |    |    |    |    |    |       |    |     |    |     |    |    |    |    |    |    |   |  |
| 205      | 205 |       |    |    |    |    |    |    |    |    |    |    |    |       |    |     |    |     |    |    |    |    |    |    |   |  |
| 210      | 210 |       |    |    |    |    |    |    |    |    |    |    |    |       |    |     |    |     |    |    |    |    |    |    |   |  |
| 215      | 215 |       |    |    |    |    |    |    |    |    |    |    |    |       |    |     |    |     |    |    |    |    |    |    |   |  |
| 220      | 220 |       |    |    |    |    |    |    |    |    |    |    |    |       |    |     |    |     |    |    |    |    |    |    |   |  |
| 225      | 225 |       |    |    |    |    |    |    |    |    |    |    |    |       |    |     |    |     |    |    |    |    |    |    |   |  |
| 230      | 230 |       |    |    |    |    |    |    |    |    |    |    |    |       |    |     |    |     |    |    |    |    |    |    |   |  |
| 235      | 235 |       |    |    |    |    |    |    |    |    |    |    |    |       |    |     |    |     |    |    |    |    |    |    |   |  |
| 240      | 240 |       |    |    |    |    |    |    |    |    |    |    |    |       |    |     |    |     |    |    |    |    |    |    |   |  |
| 245      | 245 |       |    |    |    |    |    |    |    |    |    |    |    |       |    |     |    |     |    |    |    |    |    |    |   |  |
| 250      | 250 |       |    |    |    |    |    |    |    |    |    |    |    |       |    |     |    |     |    |    |    |    |    |    |   |  |
| 255      | 255 |       |    |    |    |    |    |    |    |    |    |    |    |       |    |     |    |     |    |    |    |    |    |    |   |  |
| 260      | 260 |       |    |    |    |    |    |    |    |    |    |    |    |       |    |     |    |     |    |    |    |    |    |    |   |  |
| 265      | 265 |       |    |    |    |    |    |    |    |    |    |    |    |       |    |     |    |     |    |    |    |    |    |    |   |  |
| 270      | 270 |       |    |    |    |    |    |    |    |    |    |    |    |       |    |     |    |     |    |    |    |    |    |    |   |  |
| 275      | 275 |       |    |    |    |    |    |    |    |    |    |    |    |       |    |     |    |     |    |    |    |    |    |    |   |  |
| 280      | ~   |       |    |    |    |    |    |    |    |    |    |    |    |       |    |     |    |     |    |    |    |    |    |    |   |  |
| 計        |     |       | 26 | 31 | 10 | 17 | 58 | 34 | 33 | 55 | 46 | 53 | 69 | 81    | 30 |     | 46 | 46  | 74 | 39 | 56 | 32 | 45 |    |   |  |

表6 底びき網（中部標本組合）におけるヒラメ全長測定結果（全長階級別個体数）

| 全長範囲 (mm)<br>無眼側色素の状況<br>以上、未満 | 2013/4/15 |    |    | 2013/5/20 |    |    | 2013/6/18 |    |    | 2013/7/22 |    |    | 2013/8/19 |    |    | 2013/9/17 |    |    |
|--------------------------------|-----------|----|----|-----------|----|----|-----------|----|----|-----------|----|----|-----------|----|----|-----------|----|----|
|                                | 正常        | 黒化 | 不明 | 正常        | 黒化 | 不明 | 正常        | 黒化 | 不明 | 正常        | 黒化 | 不明 | 正常        | 黒化 | 不明 | 正常        | 黒化 | 不明 |
| 100 ~ 110                      |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 110 ~ 120                      |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 120 ~ 130                      |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 130 ~ 140                      |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 140 ~ 150                      |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 150 ~ 160                      |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 160 ~ 170                      |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 170 ~ 180                      |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 180 ~ 190                      |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 190 ~ 200                      |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 200 ~ 210                      |           |    |    |           |    |    |           |    |    |           |    |    | 2         |    |    | 1         |    |    |
| 210 ~ 220                      |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 220 ~ 230                      |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 230 ~ 240                      |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 240 ~ 250                      |           |    |    |           |    |    |           |    |    |           |    |    | 1         |    |    |           |    |    |
| 250 ~ 260                      |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 260 ~ 270                      | 1         |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 270 ~ 280                      |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 280 ~ 290                      | 1         |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 290 ~ 300                      |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 300 ~ 310                      |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 310 ~ 320                      |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 320 ~ 330                      |           |    |    |           |    | 1  |           |    |    |           |    |    |           |    |    |           |    |    |
| 330 ~ 340                      | 1         | 1  |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 340 ~ 350                      |           |    |    |           |    | 1  |           |    |    |           |    |    |           |    |    |           |    |    |
| 350 ~ 360                      | 2         | 1  |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 360 ~ 370                      |           |    |    |           |    |    |           |    |    | 1         |    |    |           |    |    |           |    |    |
| 370 ~ 380                      |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 380 ~ 390                      |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 390 ~ 400                      |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 400 ~ 410                      |           |    |    |           |    | 1  |           |    |    |           |    |    |           |    |    |           |    |    |
| 410 ~ 420                      |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 420 ~ 430                      |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 430 ~ 440                      |           |    | 1  |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 440 ~ 450                      |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 450 ~ 460                      | 2         | 2  |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 460 ~ 470                      |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 470 ~ 480                      |           |    | 1  |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 480 ~ 490                      |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 490 ~ 500                      |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 500 ~ 510                      |           |    |    |           |    |    |           |    |    | 1         |    |    |           |    |    |           |    |    |
| 510 ~ 520                      |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 520 ~ 530                      |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 530 ~ 540                      |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 540 ~ 550                      |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 550 ~ 560                      | 1         |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 560 ~ 570                      |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 570 ~ 580                      |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 580 ~ 590                      |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 590 ~ 600                      |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 600 ~ 610                      |           |    |    |           |    | 1  |           |    |    | 1         |    |    |           |    |    |           |    |    |
| 610 ~ 620                      |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 620 ~ 630                      |           |    |    |           |    | 1  |           |    |    |           |    |    |           |    |    |           |    |    |
| 630 ~ 640                      |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 640 ~ 650                      |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 650 ~ 660                      |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 660 ~ 670                      |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 670 ~ 680                      |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 680 ~ 690                      |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 690 ~ 700                      |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 700 ~ 710                      |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 710 ~ 720                      |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 720 ~ 730                      |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 730 ~ 740                      |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 740 ~ 750                      |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 750 ~ 760                      | 2         |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 760 ~ 770                      |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 770 ~ 780                      | 1         |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 780 ~ 790                      |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 790 ~ 800                      |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 800 ~ 810                      |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 810 ~ 820                      |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 820 ~ 830                      |           |    |    |           |    |    |           | 1  |    |           |    |    |           |    |    |           |    |    |
| 830 ~ 840                      |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 840 ~ 850                      |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 小計                             | 11        | 7  | 0  | 2         | 3  | 0  | 1         | 0  | 0  | 3         | 0  | 0  | 3         | 0  | 1  | 0         | 0  | 0  |
| 月計                             |           | 18 |    |           | 5  |    |           | 1  |    |           | 3  |    |           | 4  |    |           |    |    |

※天然、放流の区別は無眼側の色素異常の有無で行い、微妙な判定については瀬戸内海区水産研究所の統一基準に従った。

表6 つづき

| 全長範囲 (mm)<br>無眼側色素の状況<br>以上、未満 | 2013/10/21 |    |    | 2013/11/21 |    |    | 2013/12/9 |    |    | 2014/1/17 |    |    | 2014/2/13 |    |    | 2014/3/17 |    |    |
|--------------------------------|------------|----|----|------------|----|----|-----------|----|----|-----------|----|----|-----------|----|----|-----------|----|----|
|                                | 正常         | 黒化 | 不明 | 正常         | 黒化 | 不明 | 正常        | 黒化 | 不明 | 正常        | 黒化 | 不明 | 正常        | 黒化 | 不明 | 正常        | 黒化 | 不明 |
| 100 ~ 110                      |            |    |    |            |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 110 ~ 120                      |            |    |    |            |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 120 ~ 130                      |            |    |    |            |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 130 ~ 140                      |            |    |    |            |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 140 ~ 150                      |            |    |    |            |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 150 ~ 160                      |            |    |    |            |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 160 ~ 170                      |            |    |    |            |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 170 ~ 180                      |            |    |    |            |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 180 ~ 190                      |            |    |    |            |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 190 ~ 200                      |            |    |    |            |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 200 ~ 210                      |            |    |    |            |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 210 ~ 220                      |            |    |    |            |    |    |           |    |    |           | 1  |    |           |    |    |           |    |    |
| 220 ~ 230                      |            |    |    |            |    |    |           |    |    |           | 1  |    |           |    |    |           |    |    |
| 230 ~ 240                      |            |    |    |            |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 240 ~ 250                      |            |    |    |            |    |    |           | 1  |    |           |    |    |           |    |    |           |    |    |
| 250 ~ 260                      |            |    |    |            |    |    |           | 1  |    |           |    |    |           |    |    |           |    |    |
| 260 ~ 270                      |            |    |    |            | 1  | 1  |           |    |    |           |    |    |           |    |    |           |    | 1  |
| 270 ~ 280                      |            |    |    |            |    |    |           | 1  |    |           | 1  | 1  |           |    |    |           |    |    |
| 280 ~ 290                      |            |    |    |            |    |    |           |    | 1  |           |    | 1  |           |    |    |           |    |    |
| 290 ~ 300                      |            |    |    |            |    |    |           |    |    | 3         |    |    |           |    |    |           |    |    |
| 300 ~ 310                      |            |    |    |            |    |    |           |    |    |           |    |    |           |    |    |           | 1  |    |
| 310 ~ 320                      |            |    |    |            | 1  | 1  |           |    |    |           | 1  | 1  |           |    |    |           |    |    |
| 320 ~ 330                      |            |    |    |            |    |    |           | 1  |    |           | 2  |    |           |    |    |           |    |    |
| 330 ~ 340                      |            |    |    |            |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 340 ~ 350                      |            |    |    |            | 1  |    |           |    |    |           | 1  |    |           |    |    |           |    | 1  |
| 350 ~ 360                      |            |    |    |            |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 360 ~ 370                      |            |    |    |            |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 370 ~ 380                      |            |    |    |            |    |    |           |    |    |           |    |    |           | 1  |    |           |    |    |
| 380 ~ 390                      |            |    |    |            |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 390 ~ 400                      |            |    |    |            |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 400 ~ 410                      |            |    |    |            |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 410 ~ 420                      |            |    |    |            |    |    |           | 1  |    |           |    |    |           |    |    |           |    |    |
| 420 ~ 430                      |            |    |    |            |    |    |           | 2  |    |           | 1  |    |           |    |    |           |    |    |
| 430 ~ 440                      |            |    |    |            |    |    |           |    |    |           | 1  |    |           |    |    |           |    |    |
| 440 ~ 450                      |            |    |    |            |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 450 ~ 460                      |            |    |    |            |    | 2  |           |    |    |           |    |    |           |    |    |           |    |    |
| 460 ~ 470                      |            |    |    |            |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 470 ~ 480                      |            |    |    |            | 1  |    |           | 1  |    |           |    |    |           |    |    |           |    |    |
| 480 ~ 490                      |            |    |    |            |    |    |           | 1  |    |           |    |    |           |    |    |           |    |    |
| 490 ~ 500                      |            |    |    |            |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 500 ~ 510                      |            |    |    |            |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 510 ~ 520                      |            |    |    |            |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 520 ~ 530                      |            |    |    |            | 1  |    |           | 1  |    |           |    |    |           |    |    |           |    |    |
| 530 ~ 540                      |            |    |    |            |    |    |           | 1  |    |           |    |    |           |    |    |           |    |    |
| 540 ~ 550                      |            |    |    |            |    |    |           |    |    | 1         |    |    |           |    |    |           |    |    |
| 550 ~ 560                      |            |    |    |            |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 560 ~ 570                      |            |    |    |            |    |    |           | 1  |    |           |    |    |           |    |    |           |    |    |
| 570 ~ 580                      |            |    |    |            |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 580 ~ 590                      |            |    |    |            |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 590 ~ 600                      |            |    |    |            |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 600 ~ 610                      |            |    |    |            |    |    |           | 1  | 1  |           |    |    |           |    |    |           |    |    |
| 610 ~ 620                      |            |    |    |            |    | 1  |           |    |    |           |    |    |           |    |    |           |    |    |
| 620 ~ 630                      |            |    |    |            |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 630 ~ 640                      |            |    |    |            |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 640 ~ 650                      |            |    |    |            |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 650 ~ 660                      |            |    |    |            |    |    |           |    |    |           | 1  |    |           |    |    |           |    |    |
| 660 ~ 670                      |            |    |    |            |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 670 ~ 680                      |            |    |    |            |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 680 ~ 690                      |            |    |    |            |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 690 ~ 700                      |            |    |    |            |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 700 ~ 710                      |            |    |    |            |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 710 ~ 720                      |            |    |    |            |    |    |           | 2  |    |           |    |    |           |    |    |           |    |    |
| 720 ~ 730                      |            |    |    |            |    |    |           |    |    |           | 1  |    |           |    |    |           |    |    |
| 730 ~ 740                      |            |    |    |            |    |    |           |    | 1  |           |    |    |           |    |    |           |    |    |
| 740 ~ 750                      |            |    |    |            |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 750 ~ 760                      |            |    |    |            |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 760 ~ 770                      |            |    |    |            |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 770 ~ 780                      |            |    |    |            |    |    |           |    |    |           | 1  |    |           |    |    |           |    |    |
| 780 ~ 790                      |            |    |    |            |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 790 ~ 800                      |            |    |    |            |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 800 ~ 810                      |            |    |    |            |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 810 ~ 820                      |            |    |    |            |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 820 ~ 830                      |            |    |    |            |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 830 ~ 840                      |            |    |    |            |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 840 ~ 850                      |            |    |    |            |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 850 ~                          |            |    |    |            |    |    |           |    |    |           |    |    |           |    |    |           |    |    |
| 小計                             | 0          | 0  | 0  | 5          | 5  | 0  | 16        | 2  | 0  | 14        | 3  | 2  | 1         | 0  | 0  | 1         | 2  | 1  |
| 月計                             |            | 0  |    |            | 10 |    |           | 18 |    |           | 19 |    |           | 1  |    | 1         |    | 4  |

※天然、放流の区別は無眼側の色素異常の有無で行い、微妙な判定については瀬戸内海区水産研究所の統一基準に従った。

表7 石げた網（中部標本組合）におけるオニオコゼ全長測定結果（全長階級別個体数）

| 全長範囲 (mm) |    | 年月  | 2013年 |    |    |    |    |    |     |     |     | 2014年 |    |    |    |
|-----------|----|-----|-------|----|----|----|----|----|-----|-----|-----|-------|----|----|----|
| 以上        | 未満 |     | 4月    | 5月 | 6月 | 7月 | 8月 | 9月 | 10月 | 11月 | 12月 | 1月    | 2月 | 3月 |    |
| 100       | ~  | 110 |       |    |    |    |    |    |     |     |     |       |    |    |    |
| 110       | ~  | 120 |       |    |    |    |    |    |     |     |     |       |    |    |    |
| 120       | ~  | 130 |       |    |    |    |    |    |     |     |     |       |    |    |    |
| 130       | ~  | 140 |       |    |    |    |    |    |     |     |     |       |    |    |    |
| 140       | ~  | 150 |       |    |    |    |    |    |     |     |     |       |    |    |    |
| 150       | ~  | 160 |       |    |    |    |    |    |     |     |     |       |    |    |    |
| 160       | ~  | 170 | 1     |    |    |    |    |    |     |     |     |       |    |    |    |
| 170       | ~  | 180 | 2     |    |    |    |    |    |     |     |     | 1     |    |    |    |
| 180       | ~  | 190 | 1     |    |    |    |    |    |     |     |     | 2     |    | 1  |    |
| 190       | ~  | 200 | 1     |    |    |    |    |    |     |     |     | 3     | 2  | 2  |    |
| 200       | ~  | 210 | 2     |    |    |    |    |    |     |     |     | 1     | 5  | 1  |    |
| 210       | ~  | 220 | 1     |    |    |    |    |    |     |     |     | 4     | 9  | 2  |    |
| 220       | ~  | 230 | 4     |    |    |    |    |    |     |     |     | 4     | 16 | 10 |    |
| 230       | ~  | 240 | 1     | 2  |    |    |    |    |     |     |     | 1     | 11 | 8  |    |
| 240       | ~  | 250 | 2     |    |    |    |    |    |     |     |     |       | 7  | 8  |    |
| 250       | ~  | 260 | 2     |    |    |    |    |    |     |     |     | 2     | 3  | 2  |    |
| 260       | ~  | 270 | 4     | 1  |    |    |    |    |     |     |     | 3     | 1  |    |    |
| 270       | ~  | 280 |       |    |    |    |    |    |     |     |     |       | 2  |    |    |
| 280       | ~  | 290 |       |    |    |    |    |    |     |     |     | 1     | 1  |    |    |
| 290       | ~  | 300 | 1     |    |    |    |    |    |     |     |     | 1     |    |    |    |
| 300       | ~  |     |       |    |    |    |    |    |     |     |     |       | 1  |    |    |
| 計         |    |     | 22    | 3  |    |    |    |    |     |     |     | 20    | 61 | 33 | 33 |

表8 石げた網（中部標本組合）におけるクルマエビ全長測定結果（全長階級別個体数）

| 全長範囲 (mm) |     | 年月  | 2013年 |    |    |    |     |    |     |     |     | 2014年 |    |    |
|-----------|-----|-----|-------|----|----|----|-----|----|-----|-----|-----|-------|----|----|
| 以上        | 未満  |     | 4月    | 5月 | 6月 | 7月 | 8月  | 9月 | 10月 | 11月 | 12月 | 1月    | 2月 | 3月 |
| ~         | 100 |     |       |    |    | 1  |     |    |     |     |     |       |    |    |
| 100       | ~   | 110 |       |    |    |    |     |    |     |     |     |       |    |    |
| 110       | ~   | 120 |       |    |    | 3  | 3   |    |     |     |     |       |    |    |
| 120       | ~   | 130 |       |    |    | 4  | 9   |    |     |     |     |       |    |    |
| 130       | ~   | 140 |       |    |    | 5  | 30  |    |     |     |     | 1     |    |    |
| 140       | ~   | 150 |       |    |    | 1  | 34  |    |     |     |     |       |    |    |
| 150       | ~   | 160 |       |    |    | 2  | 26  | 3  |     |     |     |       |    |    |
| 160       | ~   | 170 |       | 2  |    |    | 4   | 8  |     |     |     | 1     |    |    |
| 170       | ~   | 180 |       |    |    |    | 4   | 4  |     |     |     |       |    |    |
| 180       | ~   | 190 | 1     |    |    |    | 1   | 3  |     | 1   |     | 1     |    |    |
| 190       | ~   | 200 | 1     | 4  |    |    | 2   | 2  |     | 1   | 1   | 1     | 1  |    |
| 200       | ~   | 210 |       | 1  |    |    |     |    |     |     | 2   | 1     |    |    |
| 210       | ~   | 220 |       |    |    |    |     |    |     | 1   | 2   | 2     |    |    |
| 220       | ~   | 230 |       | 2  |    |    |     |    |     |     |     | 1     |    |    |
| 230       | ~   | 240 |       | 1  | 1  |    |     |    |     | 1   |     | 4     | 2  | 1  |
| 240       | ~   | 250 | 1     |    |    |    | 1   |    |     |     | 1   |       | 1  |    |
| 250       | ~   | 260 |       |    |    |    |     |    |     |     |     |       |    |    |
| 260       | ~   | 270 |       |    |    |    |     |    |     |     | 1   |       |    |    |
| 270       | ~   | 280 |       |    |    |    |     |    |     |     |     |       |    |    |
| 280       | ~   | 290 |       |    |    |    |     |    |     |     |     |       |    |    |
| 290       | ~   | 300 |       |    |    |    |     |    |     |     |     |       |    |    |
| 300       | ~   |     |       |    |    |    |     |    |     |     |     |       |    |    |
| 計         |     |     | 3     | 10 | 1  | 16 | 113 | 20 |     | 4   | 7   | 12    | 4  | 1  |

表9 マアナゴ全長測定結果（全長階級別個体数）

| 全長範囲 (mm) |     | 2013年 |     |    |     |    |     |     | 2014年 |  |
|-----------|-----|-------|-----|----|-----|----|-----|-----|-------|--|
| 以上        | 未満  | 年月    | 4月  | 5月 | 6月  | 8月 | 9月  | 12月 | 2月    |  |
| ~         | 210 |       |     |    |     |    |     |     |       |  |
| 210 ~     | 220 |       |     |    |     |    |     | 2   | 5     |  |
| 220 ~     | 230 |       |     |    |     |    |     | 1   | 4     |  |
| 230 ~     | 240 |       | 1   |    |     |    |     | 2   | 3     |  |
| 240 ~     | 250 |       | 1   |    | 1   |    |     | 18  | 22    |  |
| 250 ~     | 260 |       | 6   |    |     |    |     | 30  | 36    |  |
| 260 ~     | 270 |       | 7   |    | 3   |    |     | 20  | 27    |  |
| 270 ~     | 280 |       | 14  |    | 2   |    |     | 15  | 27    |  |
| 280 ~     | 290 |       | 24  |    | 8   |    |     | 5   | 20    |  |
| 290 ~     | 300 |       | 16  |    | 9   |    |     | 9   | 9     |  |
| 300 ~     | 310 |       | 35  | 2  | 13  |    |     |     | 11    |  |
| 310 ~     | 320 |       | 24  |    | 11  |    |     | 4   | 11    |  |
| 320 ~     | 330 |       | 13  | 4  | 21  |    |     | 9   | 3     |  |
| 330 ~     | 340 |       | 8   | 4  | 10  |    |     | 11  | 3     |  |
| 340 ~     | 350 |       | 5   | 11 | 17  | 1  |     | 14  | 2     |  |
| 350 ~     | 360 |       | 2   | 20 | 24  | 1  |     | 12  | 5     |  |
| 360 ~     | 370 |       | 1   | 13 | 26  | 3  |     | 16  | 6     |  |
| 370 ~     | 380 |       |     | 8  | 19  | 2  |     | 6   | 4     |  |
| 380 ~     | 390 |       |     | 8  | 15  | 5  |     | 6   | 1     |  |
| 390 ~     | 400 |       |     | 5  | 13  | 1  |     | 4   | 1     |  |
| 400 ~     | 410 |       |     | 1  | 7   | 1  |     |     | 1     |  |
| 410 ~     | 420 |       |     | 2  | 1   |    |     |     |       |  |
| 420 ~     | 430 |       |     | 1  | 1   |    |     |     |       |  |
| 430 ~     | 440 |       | 1   |    |     |    |     |     |       |  |
| 440 ~     | 450 |       |     |    |     |    |     |     |       |  |
| 450 ~     | 460 |       |     |    |     |    |     |     |       |  |
| 460 ~     | 470 |       |     |    |     |    |     |     |       |  |
| 470 ~     | 480 |       |     |    |     |    |     |     |       |  |
| 480 ~     | 490 |       |     |    |     |    |     |     |       |  |
| 490 ~     | 500 |       |     |    |     |    |     |     |       |  |
| 500 ~     | 510 |       |     |    |     |    |     |     |       |  |
| 510 ~     | 520 |       |     |    |     |    |     |     |       |  |
| 520 ~     | 530 |       |     |    |     |    |     |     |       |  |
| 530 ~     | 540 |       |     |    |     |    |     |     |       |  |
| 540 ~     | 550 |       |     |    |     |    |     | 1   |       |  |
| 550 ~     | 560 |       |     |    |     |    |     |     |       |  |
| 560 ~     |     |       |     |    |     |    |     |     |       |  |
| 計         |     |       | 158 | 79 | 201 | 15 | 185 | 196 | 245   |  |