



1. 指導船調査概要

本年度は沿海瀬魚漁場の荒廃傾向に伴ない出漁を見合わせる小型参加船群（2屯クラス）と積極的に沖合へ進出する中型参加船群（4～5屯クラス）に明瞭に区分される状況となったので指導船は専ら沖合漁場の深索に終始した。その概要を第1～3表第1図に示す。

尚参加船には指導船の調査概要並に中心船の日報を整理して配布し指導事業の一助とした。

2. 中心船の行動概要

行動並に瀬魚漁場の調査結果を第3～4表に示す。

3. 集団操業参加船実績について

石垣、川尻の小型参加船は沿岸のサバ、ハガツオ好漁に恵まれ1本釣に転向し、瀬魚1本釣漁業に専念したのは、岩本、山川グループ船のみであった。その実績は次の通りである。

1) 昭和36年度総体事業及び瀬魚1本釣漁業

総体事業

○印は中心船

| 参加船番号 | 操業月数 | 航海数  | 漁獲量 kg   | 売上代金 円     | 1ヶ月平均   |         | 1航海平均 |         |
|-------|------|------|----------|------------|---------|---------|-------|---------|
|       |      |      |          |            | 漁獲量     | 金額      | 漁獲量   | 金額      |
| ①     | 11   | 25   | 18,834   | 2,767,942  | 1,712.0 | 251,631 | 753.0 | 110,718 |
| 2     | 12   | 26   | 25,794.5 | 4,083,315  | 2,149.5 | 340,276 | 992.1 | 157,051 |
| 3     | 12   | 21   | 19,416.1 | 2,885,374  | 1,618.0 | 240,448 | 924.5 | 137,397 |
| ④     | 7    | 49   | 20,827.9 | 979,173    | 2,975.0 | 139,981 | 425.1 | 19,983  |
| 5     | 12   | 193  | 19,545.9 | 471,480    | 1,628.8 | 39,290  | 101.3 | 2,443   |
| ⑥     | 10   | 20   | 11,118.5 | 1,557,663  | 1,111.8 | 155,766 | 555.9 | 77,883  |
| 7     | 12   | 36   | 24,722   | 3,681,993  | 2,060.2 | 306,833 | 686.7 | 102,278 |
| 8     | 12   | 29   | 11,146.1 | 1,781,881  | 928.8   | 148,490 | 384.3 | 61,444  |
| 9     | 11   | 29   | 24,532.  | 3,172,466  | 2,230.1 | 288,406 | 845.9 | 109,395 |
| 10    | 3    | 6    | 3,360.4  | 355,470    | 1,120.1 | 118,490 | 560.0 | 59,245  |
| ⑪     | 5    | 21   | 3,510.   | 254,335    | 720.0   | 50,866  | 167.1 | 12,111  |
| ⑫     | 10   | 82   | 14,160.4 | 1,105,514  | 1,416.0 | 110,551 | 172.6 | 13,482  |
| 13    | 12   | 166  | 5,935.   | 519,520    | 494.5   | 43,293  | 35.8  | 3,129   |
| 14    | 12   | 178  | 5,925.2  | 494,914    | 493.7   | 41,243  | 33.2  | 2,780   |
| ⑮     | 12   | 188  | 15,805.9 | 1,119,567  | 1,317.1 | 93,297  | 84.1  | 5,955   |
| 16    | 11   | 162  | 3,554.   | 373,783    | 323.1   | 33,980  | 21.9  | 2,136   |
| 17    | 11   | 175  | 5,602.6  | 487,943    | 509.3   | 44,358  | 32.0  | 2,788   |
| 18    | 10   | 149  | 3,973.5  | 385,189    | 397.3   | 38,519  | 26.7  | 2,585   |
| 19    | 7    | 104  | 2,630.2  | 285,007    | 375.7   | 40,715  | 25.3  | 2,740   |
| 20    | 4    | 58   | 700.8    | 88,563     | 175.2   | 22,141  | 12.1  | 1,527   |
| 21    | 5    | 46   | 1,209.2  | 137,727    | 241.8   | 31,547  | 26.3  | 2,994   |
| 計     | 201  | 1763 | 242,304  | 26,988,819 | 1,216.2 | 135,622 | 133.9 | 14,918  |

瀬魚1本釣漁業

各船実績

| 参加船番号 | 操業月数 | 航海数 | 漁獲量kg     | 売上代金 円     | 1ヶ月平均   |         | 1航海平均 |         |
|-------|------|-----|-----------|------------|---------|---------|-------|---------|
|       |      |     |           |            | 漁獲量     | 金額      | 漁獲量   | 金額      |
| ①     | 10   | 23  | 17,304.0  | 2,640,942  | 1,730.4 | 264,094 | 752.3 | 114,823 |
| 2     | 12   | 26  | 25,794.5  | 4,083,315  | 2,149.5 | 340,276 | 992.1 | 157,051 |
| 3     | 12   | 21  | 19,416.1  | 2,885,374  | 1,618.0 | 240,448 | 924.5 | 137,397 |
| ④     | 3    | 7   | 3,536.0   | 540,880    | 1,178.6 | 180,293 | 505.1 | 77,290  |
| ⑤     | 9    | 18  | 10,345.8  | 1,528,301  | 1,149.5 | 169,810 | 574.7 | 84,906  |
| 7     | 10   | 25  | 19,811.2  | 2,703,365  | 1,981.1 | 270,336 | 792.4 | 108,135 |
| 8     | 12   | 29  | 11,146.1  | 1,781,881  | 928.8   | 148,490 | 384.3 | 61,444  |
| 9     | 11   | 29  | 23,269.3  | 3,103,429  | 2,115.3 | 282,129 | 802.3 | 107,015 |
| 10    | 2    | 5   | 2,495.4   | 302,811    | 1,247.7 | 151,405 | 499.1 | 60,562  |
| ⑩     | 3    | 6   | 801.0     | 129,857    | 367.0   | 43,286  | 133.5 | 21,648  |
| ⑫     | 5    | 15  | 3,463.8   | 539,982    | 692.7   | 107,996 | 203.9 | 35,999  |
| ⑮     | 2    | 3   | 287.0     | 49,337     | 143.5   | 24,668  | 95.7  | 16,446  |
| 計     | 91   | 207 | 137,670.2 | 20,307,474 | 1,512.9 | 223,159 | 665.1 | 98,104  |

2) 事業実績年度比較 1ヶ月1隻当り年度比

|     | 総 体 事 業 |       |     |         |     | 瀬 魚 1 本 釣 漁 業 |       |     |         |     |
|-----|---------|-------|-----|---------|-----|---------------|-------|-----|---------|-----|
|     | 操業隻数    | 漁獲量kg | %   | 売上金額円   | %   | 操業隻数          | 漁獲量kg | %   | 売上金額円   | %   |
| 34年 | 5       | 不明    |     | 56,247  | 100 | 9             | 不明    |     | 66,736  | 100 |
| 35  | 21      | 968   | 100 | 104,189 | 185 | 15            | 1,176 | 100 | 161,017 | 241 |
| 36  | 21      | 1,205 | 124 | 134,263 | 239 | 21            | 1,513 | 129 | 222,928 | 334 |

瀬魚1本釣漁業の比重

| 摘年度別 | 総 事 業 (A) |            | 瀬 魚 1 本 釣 (B) |            | B/A  |      | %     |       |
|------|-----------|------------|---------------|------------|------|------|-------|-------|
|      | 漁獲量kg     | 売上金額円      | 漁獲量kg         | 売上金額円      | 漁獲量  | 金額   | 総体事業  | 瀬魚1本釣 |
|      |           |            |               |            |      |      | 漁獲量   | 売上金額  |
| 34年  | 不明        | 7,199,602  | 不明            | 3,069,868  |      | 42.6 | 100%  | 100%  |
| 35   | 185,869   | 20,004,373 | 101,104       | 13,847,519 | 54.4 | 69.2 | 100%  | 278   |
| 36   | 242,304   | 26,988,819 | 137,670       | 20,307,474 | 56.8 | 75.2 | 130.4 | 375   |

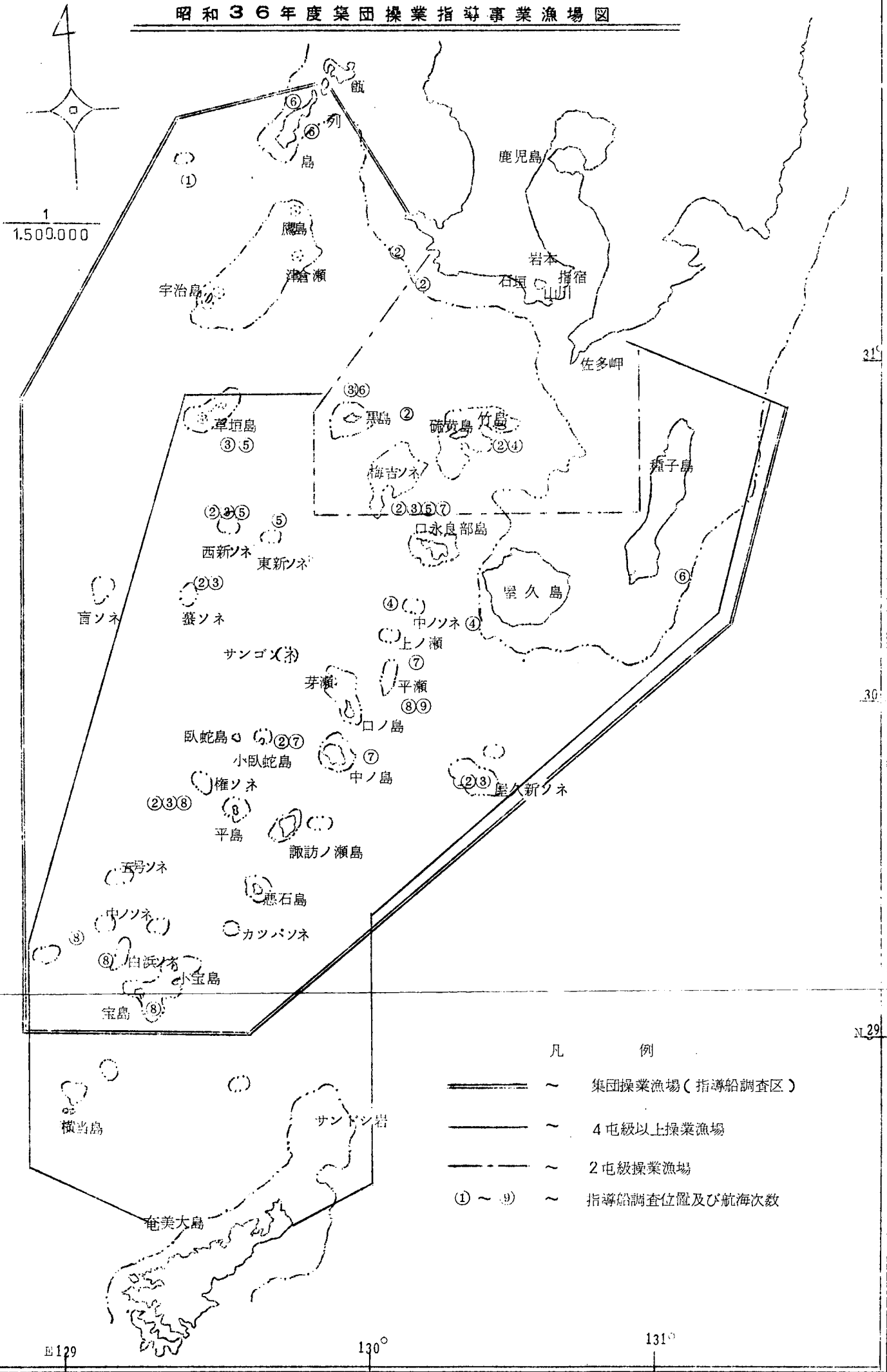
上表の1ヶ月1隻平均売上金額によれば本年度は集団操業実施前に比較して334%と増加し、亦参加船総体の実績において瀬魚1本釣漁業の占める割合は逐年増加し、本年度は75%を示すに至った。  
(担当者 塩田正人)

第1表 指導船漁獲高及び水揚高・直接経費

| 摘要      | 航海別      | 1        | 2        | 3         | 4        | 5          | 6          | 7          | 8          | 9           | 計       |
|---------|----------|----------|----------|-----------|----------|------------|------------|------------|------------|-------------|---------|
| 調査期間    |          | 7.27~8.2 | 8.4~8.11 | 8.19~8.27 | 9.9~9.11 | 10.5~10.14 | 10.27~11.5 | 11.22~12.1 | 12.6~12.17 | 12.20~12.26 |         |
| 操業日数    |          | 1        | 8        | 9         | 3        | 10         | 10         | 10         | 12         | 7           | 76      |
| 調査員名    |          | 1        | 1        | 1         | 1        | 1          | 1          | 1          | 1          | 1           | 9       |
| 乗組員数    |          | 9        | 8        | 8         | 9        | 8          | 8          | 6          | 6          | 6           | 58      |
| 漁獲      | カンパチ kg  |          |          |           |          |            |            | 22.6       |            |             | 22.6    |
|         | ハタ類      |          |          |           |          |            |            |            | 15.8       |             | 15.8    |
|         | アヲダイ     |          | 148.0    |           |          | 10.6       |            | 45.0       | 23.0       | 2.4         | 229.0   |
|         | ヒメダイ     |          | 10.0     |           |          |            |            | 20.0       | 9.0        |             | 40.0    |
|         | ハマダイ     |          | 25.8     | 126.0     |          | 94.4       |            | 123.6      | 148.2      | 135.8       | 653.8   |
|         | メダイ      |          | 8.5      | 12.4      |          | 5.2        |            | 18.2       |            | 9.0         | 53.3    |
|         | キダイ      |          |          |           |          | 3.2        |            |            |            |             | 3.2     |
|         | その他魚     |          | 6.6      | 145.8     |          | 23.2       |            | 16.0       | 74.6       | 22.8        | 289.0   |
| 計       |          | 199.9    | 284.2    |           | 136.6    |            | 245.4      | 270.6      | 170.0      | 1306.7      |         |
| 水揚量 kg  |          |          | 189.9    | 264.2     |          | 118.6      |            | 235.4      | 255.6      | 130.0       | 1193.7  |
| 手取金額 円  |          |          | 20,362   | 38,313    |          | 21,811     |            | 29,423     | 31,794     | 24,879      | 166,582 |
| 燃料      | 重油 ℓ     | 444      | 1,728    | 1,217     | 222      | 1,070      | 756        | 930        | 1,190      | 672         | 7,629   |
|         | 金額 円     | 6,216    | 15,792   | 17,038    | 2,853    | 13,696     | 9,677      | 11,950     | 15,232     | 8,601       | 101,055 |
|         | 潤滑油 ℓ    | 6        | 26       | 37        | 31       | 22         | 37         | 34         | 22         | 10          | 225     |
|         | 金額 円     | 630      | 2,730    | 3,885     | 3,255    | 2,310      | 3,885      | 3,470      | 2,310      | 1,050       | 23,525  |
|         | 軽油 ℓ     |          | 1        | 2         | 2        | 2          | 2          | 2          | 1          | 2           | 14      |
|         | 金額 円     |          | 20       | 40        | 40       | 40         | 40         | 40         | 20         | 40          | 280     |
| 計       | 6,846    | 18,542   | 20,963   | 6,148     | 16,046   | 13,602     | 15,460     | 17,562     | 9,691      | 124,860     |         |
| 氷餌料     | 数量 斗     | 4        | 25       | 3         | 3        | 3          | 3          | 3          | 3          | 2           | 26.5    |
|         | 金額 円     | 8,000    | 5,000    | 6,000     | 6,000    | 6,000      | 6,000      | 6,000      | 6,000      | 4,000       | 53,000  |
|         | 冷凍サンマ kg | 90       |          | 100       | 78.8     | 78.8       | 90         | 24         | 90         | 48          | 549.6   |
|         | 金額 円     | 7,200    |          | 9,000     | 6,300    | 6,300      | 7,200      | 1,800      | 7,470      | 3,320       | 48,590  |
|         | 冷凍イカ kg  | 30       |          |           | 37.5     | 27.5       | 15         |            | 15         |             | 125     |
| 金額 円    | 1,800    |          |          | 2,250     | 2,250    | 1,200      |            | 1,000      |            | 8,500       |         |
| 計 円     | 9,000    |          | 9,000    | 8,550     | 8,550    | 8,400      | 1,800      | 8,470      | 3,320      | 57,090      |         |
| 漁具その他 円 | 24,839   |          | 19,121   | 14,322    | 14,322   | 15,899     | 3,450      | 18,379     | 1,600      |             | 111,932 |
| 総計 円    | 48,685   | 23,542   | 55,084   | 35,020    | 44,918   | 43,901     | 26,710     | 50,411     | 18,611     |             | 346,882 |

(才1図)

昭和36年度集団操業指導事業漁場図



- 凡 例
- 集団操業漁場(指導船調査区)
  - 4 吨级以上操業漁場
  - 2 吨级操業漁場
  - ① ~ ⑨ 指導船調査位置及び航海次数

第2表 漁場別魚種組成

| 漁場名   | 操業日数 | 漁獲量 (kg) | 漁獲尾数           | 魚種別組成      |            |               |              |               |            |            |             |            |  |
|-------|------|----------|----------------|------------|------------|---------------|--------------|---------------|------------|------------|-------------|------------|--|
|       |      |          |                | カンパチ       | ハタ         | アラダイ          | ヒメダイ         | ハマダイ          | メダイ        | キダイ        | その他         |            |  |
| 竹島周辺  | 2    | 0.5      | 1尾<br>(100)    |            |            |               |              | 1<br>(100)    |            |            |             |            |  |
| 黒島周辺  | 4    | 23.0     | 31<br>(100)    |            |            | 21<br>(67.7)  | 3<br>(9.7)   | 7<br>(22.6)   |            |            |             |            |  |
| 梅吉ソネ  | 8    | 290.0    | 245<br>(100)   |            |            |               | 1<br>(0.4)   | 217<br>(88.6) | 5<br>(2.0) | 1<br>(0.4) | 21<br>(8.5) |            |  |
| 西新ソネ  | 3    | 14.0     | 18<br>(100)    |            |            |               | 4<br>(22.2)  | 14<br>(77.8)  |            |            |             |            |  |
| 平瀬    | 7    | 353.6    | 363<br>(100)   |            | 1<br>(0.3) | 16<br>(4.4)   | 20<br>(5.5)  | 319<br>(87.4) | 1<br>(0.3) |            |             | 6<br>(1.6) |  |
| 中ノ島   | 3    | 30.0     | 96<br>(100)    | 1<br>(1.0) |            | 92<br>(95.8)  |              |               |            |            |             | 3<br>(3.1) |  |
| 小臥蛇島  | 3    | 35.0     | 68<br>(100)    | 2<br>(2.9) |            | 50<br>(73.5)  | 12<br>(17.6) |               |            |            |             | 4<br>(5.9) |  |
| 権ソネ   | 4    | 191.0    | 277<br>(100)   |            |            | 208<br>(75.1) | 9<br>(3.2)   | 55<br>(19.8)  |            |            |             | 5<br>(1.8) |  |
| 屋久新ソネ | 2    | 90.0     | 92<br>(100)    |            |            | 29<br>(31.5)  |              | 61<br>(66.3)  |            |            |             | 2<br>(2.1) |  |
| 諏訪ノ瀬島 | 1    | 1.0      | 1<br>(100)     |            |            |               |              | 1<br>(100)    |            |            |             |            |  |
| 宝島    | 1    | 7.0      | 5<br>(100)     |            |            |               |              | 5<br>(100)    |            |            |             |            |  |
| 白浜ソネ  | 1    | 7.0      | 29<br>(100)    |            |            | 29<br>(100)   |              |               |            |            |             |            |  |
| 計     | 39   | 1,042.1  | 1226<br>(100%) | 3<br>(0.2) | 1<br>(0.1) | 445<br>(36.3) | 49<br>(4.0)  | 680<br>(55.5) | 6<br>(0.5) | 1<br>(0.1) | 41<br>(3.3) |            |  |

第3表 昭和36年度中心船行動表

| グループ | 船名  | HP          | 36年 |   |   |      |      |      |      |      |      |      |   |    | 37年 |    |  |  |
|------|-----|-------------|-----|---|---|------|------|------|------|------|------|------|---|----|-----|----|--|--|
|      |     |             | 5月  | 6 | 7 | 8    | 9    | 10   | 11   | 12   | 1    | 2    | 3 | 4  |     |    |  |  |
| 岩本   | 岸美丸 | 4.5<br>3.0  |     |   |   |      |      |      |      |      |      |      |   |    |     |    |  |  |
| 指宿   | あつ丸 | 4.05<br>3.0 |     |   |   |      | 休漁   | "    | "    | "    | "    |      |   | 18 | 17  |    |  |  |
| 山川   | 清海丸 | 4.5<br>3.0  |     |   |   |      |      |      |      |      |      |      |   |    |     |    |  |  |
| 川尻   | 松島丸 | 2.45<br>6   |     |   |   |      |      |      | 中止   |      |      |      |   |    |     |    |  |  |
|      | 魁漁丸 | 3.37<br>1.7 |     |   |   |      |      |      |      |      |      |      |   |    | 休漁  | 休漁 |  |  |
| 石垣   | 好丸  | 2.1<br>6    |     |   |   | (26) | (25) | (25) | (18) | (25) | (15) | (20) |   |    |     |    |  |  |

一漁魚 <-> サバ < (15) 沿岸1本釣 (●●●) レンコ

第4表 瀬魚1本釣漁場(中心船報告による) 上欄kg  
下欄尾数

| 月別  | 漁場名   | 隻数 | 延日数 | 延人員 | 総漁獲            | アラ      | カンパチ | アヲダイ       |
|-----|-------|----|-----|-----|----------------|---------|------|------------|
| 4月分 | 諏訪ノ瀬島 | 1  | 4   | 28  | 420<br>374     | 45<br>2 |      | 120<br>180 |
|     | 屋久新ソネ | 2  | 5   | 35  | 763<br>627     |         |      | 25<br>31   |
|     | 中ノソネ  | 2  | 2   | 14  | 151<br>133     |         |      | 32<br>40   |
|     | 馬毛島   | 1  | 1   | 3   | 45<br>270      |         |      |            |
|     | 口ノ島   | 1  | 1   | 7   | 50<br>37       |         |      |            |
|     | 平瀬    | 1  | 1   | 7   | 91<br>103      |         |      | 20<br>30   |
|     | 計     | 8  | 14  | 94  | 1,520<br>1,544 | 45<br>2 |      | 197<br>281 |

|     |       |   |    |     |                  |        |         |            |
|-----|-------|---|----|-----|------------------|--------|---------|------------|
| 5月分 | 諏訪ノ瀬島 | 2 | 4  | 28  | 244<br>264       |        | 4<br>1  | 85<br>120  |
|     | 屋久新ソネ | 4 | 9  | 63  | 1,383.8<br>1,080 | 3<br>1 | 20<br>1 | 390<br>385 |
|     | 口ノ島   | 1 | 1  | 7   | 49<br>34         |        |         |            |
|     | 近海    | 1 | 3  | 9   | 50<br>10         |        |         |            |
|     | 計     | 8 | 17 | 107 | 1,726.8<br>1,388 | 3<br>1 | 24<br>2 | 475<br>505 |

|     |       |   |    |    |                |             |  |            |
|-----|-------|---|----|----|----------------|-------------|--|------------|
| 6月分 | 屋久新ソネ | 1 | 2  | 14 | 160<br>140     |             |  | 100<br>110 |
|     | 竹島    | 1 | 1  | 4  | 39<br>121      | 3<br>1      |  |            |
|     | 佐多岬   | 1 | 9  | 36 | 564.8<br>959   | 111.8<br>25 |  |            |
|     | 計     | 3 | 12 | 54 | 763.8<br>1,220 | 114.8<br>26 |  | 100<br>110 |

|     |       |    |    |     |                |           |  |            |
|-----|-------|----|----|-----|----------------|-----------|--|------------|
| 7月分 | 屋久新ソネ | 4  | 14 | 82  | 3,205<br>2,779 | 77<br>11  |  | 290<br>249 |
|     | サンゴソネ | 1  | 1  | 7   | 68<br>47       |           |  | 40<br>26   |
|     | 西新ソネ  | 2  | 4  | 25  | 676<br>340     |           |  |            |
|     | 東新ソネ  | 1  | 1  | 6   | 52<br>32       |           |  |            |
|     | 竹島    | 1  | 1  | 5   | 131<br>121     | 4<br>4    |  | 5<br>4     |
|     | 硫黄島   | 2  | 3  | 15  | 189<br>304     | 17<br>5   |  |            |
|     | 佐多岬   | 2  | 3  | 15  | 143<br>273     | 31<br>10  |  |            |
|     | 計     | 13 | 27 | 155 | 4,464<br>3,896 | 129<br>30 |  | 335<br>279 |

| ヒメダイ | ハマダイ | メダイ | タイ  | その他 | 1日1人漁獲量 | 有用魚1人1月当 |
|------|------|-----|-----|-----|---------|----------|
| 30   | 165  |     |     | 60  | 15      | 12.8     |
| 50   | 131  |     |     | 46  | 13.3    | 11.7     |
|      | 580  | 53  |     | 105 | 21.8    | 18.8     |
|      | 443  | 8   |     | 145 | 17.9    | 13.7     |
|      | 40   | 18  |     | 61  | 10.7    | 6.4      |
|      | 25   | 3   |     | 65  | 9.5     | 4.9      |
|      |      |     | 35  | 10  | 15      | 11.6     |
|      |      |     | 240 | 30  | 90      | 80       |
|      | 30   |     |     | 20  | 7.1     | 4.3      |
|      | 14   |     |     | 30  | 5.3     | 1        |
|      | 50   | 16  |     | 5   | 13      | 12.3     |
|      | 55   | 3   |     | 15  | 14.7    | 14.0     |
| 30   | 865  | 87  | 35  | 261 | 16.2    | 13.4     |
| 50   | 668  | 14  | 240 | 324 | 16.4    | 13.0     |

|    |       |    |   |     |      |      |
|----|-------|----|---|-----|------|------|
| 40 | 90    |    |   | 25  | 8.7  | 7.8  |
| 33 | 85    |    |   | 25  | 9.4  | 8.5  |
| 30 | 911   |    |   | 298 | 21.9 | 21.4 |
| 10 | 651   |    |   | 32  | 17.1 | 16.6 |
|    | 25    |    |   | 24  | 7    | 3.6  |
|    | 21    |    |   | 13  | 4.9  | 3    |
|    |       | 42 | 4 | 4   | 5.5  | 5.1  |
|    |       | 6  | 1 | 3   | 1.1  | 0.8  |
| 70 | 1,026 | 42 | 4 | 828 | 16.1 | 15.4 |
| 43 | 757   | 6  | 1 | 73  | 13.0 | 12.3 |

|  |    |  |     |     |      |      |
|--|----|--|-----|-----|------|------|
|  | 60 |  |     |     | 11.4 | 11.4 |
|  | 30 |  |     |     | 10   | 10   |
|  |    |  | 30  | 6   | 9.7  | 8.2  |
|  |    |  | 100 | 20  | 30.2 | 25.2 |
|  |    |  | 298 | 155 | 15.7 | 11.3 |
|  |    |  | 820 | 114 | 26.6 | 23.4 |
|  | 60 |  | 320 | 161 | 14.1 | 11.1 |
|  | 30 |  | 920 | 134 | 22.6 | 20.1 |

|     |       |    |     |     |      |      |
|-----|-------|----|-----|-----|------|------|
| 30  | 2,568 | 30 |     | 210 | 39.1 | 36.5 |
| 50  | 2,103 | 6  |     | 360 | 33.9 | 29.5 |
|     | 18    |    |     | 10  | 9.7  | 8.3  |
|     | 11    |    |     | 10  | 6.7  | 5.2  |
| 133 | 520   |    |     | 23  | 27.0 | 26.1 |
| 81  | 238   |    |     | 21  | 13.6 | 12.8 |
|     | 38    |    |     | 14  | 8.6  | 6.3  |
|     | 19    |    |     | 13  | 5.3  | 2.1  |
| 6   | 110   |    | 4   | 2   | 26.2 | 25.8 |
| 10  | 100   |    | 1   | 2   | 24.2 | 22.2 |
| 1   | 101   |    | 46  | 24  | 12.7 | 11.0 |
| 1   | 101   |    | 152 | 45  | 20.2 | 17.3 |
|     |       |    | 78  | 34  | 9.5  | 7.2  |
|     |       |    | 223 | 40  | 18.2 | 15.5 |
| 170 | 3,355 | 30 | 128 | 317 | 28.8 | 26.8 |
| 142 | 2,572 | 6  | 376 | 491 | 25.1 | 22.0 |



| 月別  | 漁場名   | 隻数 | 延日数 | 延人員          | 漁獲度         | アラ       | カンパチ        | アウダイ       |
|-----|-------|----|-----|--------------|-------------|----------|-------------|------------|
| 8月分 | 竹島    | 2  | 2   | 8            | 175<br>230  | 20<br>4  |             |            |
|     | 硫黄島   | 3  | 4   | 18           | 169<br>145  | 6<br>3   |             |            |
|     | 諏訪ノ瀬島 | 1  | 2   | 10           | 127<br>89   |          | 7<br>1      |            |
|     | 屋久新ソネ | 2  | 7   | 40           | 1146<br>570 | 50<br>1  | 12<br>1     | 130<br>115 |
|     | 屋久島近海 | 1  | 1   | 6            | 32<br>23    | 4<br>2   |             |            |
|     | 権ソネ   | 1  | 2   | 10           | 73<br>68    |          |             | 16<br>22   |
|     | 西新ソネ  | 1  | 1   | 6            | 23<br>18    |          |             |            |
|     | 小宝島   | 1  | 3   | 21           | 812<br>411  | 12<br>3  | 35<br>7     |            |
|     | サンドン岩 | 1  | 3   | 21           | 547<br>503  | 10<br>1  | 22<br>3     | 277<br>325 |
|     | 横当島   | 1  | 3   | 21           | 655<br>912  |          |             | 427<br>625 |
| 計   | 14    | 28 | 161 | 3759<br>2949 | 102<br>14   | 76<br>12 | 850<br>1087 |            |

|     |       |   |    |     |              |           |        |          |
|-----|-------|---|----|-----|--------------|-----------|--------|----------|
| 9月分 | 硫黄島   | 1 | 2  | 6   | 79<br>110    | 14<br>7   |        | 8<br>15  |
|     | 屋久新ソネ | 5 | 17 | 105 | 1740<br>1032 | 88<br>21  | 3<br>1 | 36<br>35 |
|     | 梅吉ソネ  | 1 | 1  | 8   | 15<br>9      |           | 2<br>1 | 5<br>3   |
|     | 計     | 7 | 20 | 119 | 1834<br>1151 | 102<br>28 | 5<br>2 | 49<br>53 |

|      |       |   |    |     |                |         |         |              |
|------|-------|---|----|-----|----------------|---------|---------|--------------|
| 10月分 | 屋久新ソネ | 4 | 7  | 47  | 310<br>297     | 20<br>7 | 5<br>1  | 125<br>150   |
|      | 権ソネ   | 2 | 4  | 28  | 499<br>956     |         | 5<br>3  | 355<br>820   |
|      | サンゴソネ | 2 | 5  | 33  | 740<br>857     |         |         | 565<br>715   |
|      | 黒島    | 1 | 2  | 12  | 320.6<br>139   |         | 25<br>1 |              |
|      | 計     | 9 | 18 | 120 | 1869.6<br>2249 | 20<br>7 | 35<br>5 | 1045<br>1685 |

|      |       |    |    |     |                |          |           |              |
|------|-------|----|----|-----|----------------|----------|-----------|--------------|
| 11月分 | 竹島    | 1  | 5  | 35  | 898.6<br>280   |          |           |              |
|      | 硫黄島   | 1  | 1  | 7   | 22<br>52       |          |           | 5.9<br>22    |
|      | 諏訪ノ瀬島 | 3  | 18 | 129 | 1977<br>1140   | 30<br>14 | 16<br>3   | 42<br>60     |
|      | 中ノ島   | 1  | 2  | 15  | 66<br>33       | 15<br>5  |           |              |
|      | 平瀬    | 1  | 1  | 7   | 100<br>82      | 20<br>1  | 20<br>1   | 30<br>50     |
|      | サンゴソネ | 1  | 5  | 30  | 310<br>250     |          |           | 76<br>75     |
|      | 小宝島   | 1  | 1  | 8   | 136<br>173     |          |           | 1<br>1       |
|      | 黒島    | 2  | 4  | 27  | 332.9<br>207   |          | 26.4<br>2 |              |
|      | 計     | 11 | 37 | 258 | 3842.5<br>2197 | 65<br>10 | 62.4<br>6 | 154.9<br>208 |

| ヒメダイ       | ハマダイ        | メダイ     | タイ | その他         | 1日1人漁獲量      | 有用魚1人1月当     |
|------------|-------------|---------|----|-------------|--------------|--------------|
|            | 8<br>6      |         |    | 147<br>220  | 21.9<br>28.7 | 3.5<br>1.2   |
|            | 133<br>98   |         |    | 30<br>40    | 9.4<br>8.1   | 17.3<br>5.8  |
| 90<br>55   |             |         |    | 30<br>13    | 12.7<br>6.9  | 9.7<br>5.6   |
|            | 800<br>350  | 14<br>3 |    | 140<br>100  | 28.6<br>14.2 | 25.1<br>11.7 |
| 2<br>2     | 12<br>5     |         |    | 14<br>11    | 5.3<br>3.7   | 3<br>2       |
| 7<br>5     | 50<br>41    |         |    |             | 7.3<br>6.8   | 7.3<br>6.8   |
|            | 15<br>10    |         |    | 8<br>8      | 3.7<br>3.7   | 2.5<br>1.6   |
| 202<br>150 | 325<br>132  |         |    | 238<br>119  | 38.6<br>19.5 | 27.3<br>13.9 |
| 34<br>23   |             |         |    | 204<br>151  | 26.0<br>23.9 | 16.3<br>16.7 |
|            |             |         |    | 228<br>287  | 31.1<br>43.4 | 20.3<br>29.7 |
| 335<br>235 | 1343<br>645 | 14<br>3 |    | 1039<br>953 | 23.3<br>18.3 | 17.0<br>12.4 |

|           |             |          |  |           |              |             |
|-----------|-------------|----------|--|-----------|--------------|-------------|
| 20<br>19  |             |          |  | 37<br>69  | 13.1<br>18.3 | 7<br>6.8    |
| 80<br>50  | 1430<br>870 | 63<br>12 |  | 40<br>43  | 16.5<br>9.8  | 16.4<br>9.4 |
|           | 8<br>5      |          |  |           | 1.9<br>1.1   | 1.9<br>1.1  |
| 100<br>69 | 1438<br>875 | 63<br>12 |  | 77<br>112 | 15.4<br>9.7  | 14.8<br>8.7 |

|          |            |             |            |            |              |              |
|----------|------------|-------------|------------|------------|--------------|--------------|
|          | 140<br>118 | 5<br>1      |            | 15<br>20   | 6.5<br>6.3   | 6.2<br>5.9   |
| 59<br>43 |            |             |            | 80<br>90   | 17.8<br>34.1 | 14.9<br>30.9 |
| 3<br>1   | 55<br>46   |             |            | 117<br>95  | 22.4<br>25.9 | 18.8<br>23   |
|          | 172<br>115 | 117.4<br>18 | 6.2<br>5.2 |            | 26.7<br>11.5 | 26.7<br>11.5 |
| 62<br>44 | 367<br>279 | 122.4<br>19 | 6.2<br>5.2 | 212<br>205 | 15.6<br>18.7 | 13.8<br>17.0 |

|           |                |              |  |              |              |             |
|-----------|----------------|--------------|--|--------------|--------------|-------------|
|           | 35<br>5        | 538.2<br>100 |  | 356.9<br>175 | 25.6<br>8.0  | 15.4<br>3   |
|           |                |              |  | 16.1<br>30   | 3.1<br>7.6   | 0.8<br>3.1  |
| 61<br>41  | 170.5<br>980   | 30<br>3      |  | 93<br>49     | 15.3<br>8.8  | 14.6<br>8.4 |
| 45<br>25  |                |              |  | 6<br>3       | 4.4<br>2.2   | 4<br>2      |
| 30<br>10  |                |              |  |              | 14.2<br>8.7  | 14.2<br>8.7 |
|           | 204<br>145     |              |  | 30<br>30     | 10.3<br>8.3  | 9.3<br>7.3  |
|           | 30<br>20       | 5<br>2       |  | 100<br>150   | 17.0<br>21.6 | 4.5<br>2.9  |
|           | 251.2<br>190   | 43.6<br>7    |  | 11.7<br>8    | 12.3<br>7.6  | 11.8<br>7.3 |
| 136<br>75 | 2193.7<br>1340 | 616.8<br>112 |  | 613.7<br>445 | 14.9<br>8.5  | 12.5<br>6.8 |

| 月別   | 漁場名   | 隻数 | 延日数 | 延人員 | 総漁獲            | アラ         | カンパチ        | アヲダイ       |
|------|-------|----|-----|-----|----------------|------------|-------------|------------|
| 12月分 | 竹島    | 5  | 11  | 75  | 1222.1<br>331  | 38.8<br>13 | 143.7<br>21 |            |
|      | 諏訪ノ瀬島 | 3  | 8   | 129 | 1572<br>851    | 2<br>1     | 52<br>12    |            |
|      | 屋久新ソネ | 1  | 1   | 8   | 6<br>6         |            |             |            |
|      | 中ノ島   | 1  | 1   | 6   | 105<br>104     | 5<br>1     | 12<br>3     | 28<br>40   |
|      | 口ノ島   | 1  | 1   | 7   | 50<br>60       |            |             | 20<br>30   |
|      | 平島    | 1  | 3   | 21  | 315<br>230     |            | 30<br>20    | 30<br>40   |
|      | 悪石島   | 2  | 3   | 21  | 543<br>580     |            | 15<br>2     | 55<br>60   |
|      | カツバツネ | 1  | 1   | 8   | 320<br>160     |            |             |            |
|      | 計     | 15 | 39  | 275 | 4133.1<br>2324 | 45.8<br>15 | 252.7<br>58 | 133<br>170 |

|            |      |   |   |   |            |          |  |  |
|------------|------|---|---|---|------------|----------|--|--|
| 37年<br>1月分 | 梅吉ソネ | 1 | 1 | 7 | 16.4<br>8  | 2.2<br>1 |  |  |
|            | 佐多岬  | 1 | 1 | 2 | 10<br>57   |          |  |  |
|            | 計    | 2 | 2 | 9 | 26.4<br>65 | 2.2<br>1 |  |  |

|     |       |   |    |     |               |            |           |            |
|-----|-------|---|----|-----|---------------|------------|-----------|------------|
| 2月分 | 竹島    | 1 | 3  | 21  | 396.5<br>81   | 61.5<br>12 | 157<br>17 |            |
|     | 諏訪ノ瀬島 | 1 | 1  | 7   | 60<br>53      |            | 10<br>1   | 40<br>50   |
|     | 悪石島   | 2 | 5  | 35  | 1613<br>281   | 8<br>1     |           |            |
|     | カツバツネ | 1 | 4  | 28  | 335<br>160    |            |           | 70<br>60   |
|     | 宝島    | 1 | 3  | 21  | 250<br>140    |            |           | 30<br>50   |
|     | 表ソネ   | 1 | 1  | 7   | 138<br>132    |            | 8<br>2    | 70<br>100  |
|     | 計     | 7 | 17 | 119 | 2792.5<br>847 | 69.5<br>13 | 175<br>20 | 210<br>260 |

|     |       |   |    |    |             |   |         |          |
|-----|-------|---|----|----|-------------|---|---------|----------|
| 3月分 | 竹島    | 1 | 1  | 3  | 24<br>74    | 1 |         |          |
|     | 諏訪ノ瀬島 | 1 | 8  | 53 | 440<br>261  |   |         |          |
|     | 中ノソネ  | 1 | 1  | 6  | 40<br>33    |   |         |          |
|     | 梅吉ソネ  | 1 | 2  | 13 | 110<br>37   |   | 10<br>1 |          |
|     | 佐多岬   | 1 | 1  | 2  | 10<br>57    |   |         |          |
|     | 権ソネ   | 1 | 2  | 14 | 77<br>101   |   |         | 40<br>80 |
|     | 悪石島   | 1 | 1  | 7  | 550<br>75   |   |         |          |
|     | 計     | 7 | 16 | 98 | 1251<br>638 | 1 | 10<br>1 | 40<br>80 |

| ヒメダイ       | ハマダイ          | メダイ          | タイ         | その他          | 1日1人漁獲量      | 有用魚1日1人当     |
|------------|---------------|--------------|------------|--------------|--------------|--------------|
|            | 182.7<br>98   | 538.1<br>89  | 4<br>1     | 314.8<br>109 | 16.2<br>4.4  | 12.0<br>29.6 |
| 228<br>143 | 110.5<br>610  | 70<br>9      |            | 115<br>76    | 12.1<br>6.5  | 11.2<br>6    |
|            | 2<br>3        |              |            | 4<br>3       | 0.7<br>0.7   | 0.2<br>0.3   |
|            | 45<br>35      |              |            | 15<br>25     | 19.0<br>17.3 | 15<br>13.1   |
|            | 20<br>20      |              |            | 10<br>10     | 7.1<br>8.6   | 5.7<br>7.1   |
| 210<br>130 |               |              |            | 45<br>50     | 15.0<br>10.9 | 12.8<br>8.6  |
|            | 130<br>75     | 23<br>5      |            | 320<br>440   | 25.8<br>27.6 | 10.6<br>6.6  |
|            | 150<br>50     | 20<br>10     |            | 150<br>100   | 40<br>30     | 21.2<br>7.5  |
| 438<br>273 | 163.47<br>891 | 651.1<br>113 | 4<br>1     | 973.8<br>813 | 15.0<br>8.5  | 11.5<br>5.5  |
|            | 7.2<br>3      |              | 5.5<br>1   | 1.5<br>3     | 2.3<br>1.1   | 2.1<br>0.7   |
|            |               |              | 10<br>57   |              | 5<br>28.5    | 5<br>28.5    |
|            | 7.2<br>3      |              | 15.5<br>58 | 1.5<br>3     | 2.9<br>7.2   | 2.9<br>7.2   |
|            | 66<br>20      | 49<br>8      |            | 63<br>24     | 18.8<br>38.5 | 15.8<br>2.7  |
|            | 10<br>2       |              |            |              | 8.6<br>7.6   | 8.6<br>7.6   |
| 5<br>3     | 260<br>75     |              |            | 1340<br>202  | 46.0<br>8    | 7.8<br>2.2   |
|            | 30<br>13      | 80<br>23     |            | 155<br>64    | 11.9<br>5.7  | 6.4<br>3.4   |
| 20<br>10   | 200<br>80     |              |            |              | 11.9<br>6.6  | 11.9<br>6.6  |
| 60<br>30   |               |              |            |              | 19.7<br>18.8 | 19.7<br>18.8 |
| 85<br>43   | 566<br>190    | 129<br>31    |            | 1558<br>290  | 23.5<br>7    | 10.4<br>4.7  |
|            | 11            |              | 53         | 9            | 24.6         |              |
|            | 210<br>145    | 50<br>6      |            | 180<br>110   | 8.3<br>4.9   | 4.9<br>2.8   |
|            | 30<br>23      |              |            | 10<br>10     | 6.6<br>5.5   | 5<br>3.8     |
|            | 70<br>32      | 30<br>4      |            |              | 8.5<br>2.8   |              |
|            |               |              | 10<br>57   |              | 5<br>28.5    |              |
| 20<br>10   | 10<br>10      |              |            |              | 5.5<br>7.2   |              |
|            |               | 7<br>1       |            | 550<br>75    | 78.5<br>9.4  |              |
| 20<br>10   | 221           | 11           | 110        | 204          | 6.5          | 4.4          |

漁獲 1 捕獲船の出漁表

| 航海次第      |            | 第 1 次 航 海 |       |      |      |      |      |  |
|-----------|------------|-----------|-------|------|------|------|------|--|
| 操業月日      | 7. 27      | " 28      | " 29  | " 30 | " 31 | 8 1  | " 2  |  |
| 漁場名       | 坊之岬        | 打灯台       | 坊之岬   | 山川港  | "    | "    | "    |  |
| 水深        |            | W 19.5'   | 2     | 台風避難 | "    | "    | "    |  |
| 観測・時刻     |            | 15.35     | 12.00 | "    | "    | "    | "    |  |
| 気         | 天候         | bc        | "     | 0    | "    | r    | "    |  |
|           | 気温 °c      | 29.0      | 28.5  | 29.5 | 27.0 | 29.0 | 28.0 |  |
|           | 気圧         | 1010      | 1010  | 1008 | 1007 | 998  | 998  |  |
|           | 雲量         | 3         | 3     | 10   | 10   | 10   | 10   |  |
|           | 風向力        | SSW 2     | SE 2  | E 3  | NE 3 | E 3  | SE 4 |  |
|           | 波浪         | 3         | 3     | 3    |      |      |      |  |
|           | うねり        | 3         | 3     | 3    |      |      |      |  |
| 象         | 透明度        |           |       |      |      |      |      |  |
|           | 潮流向        | 28.2      | SSE   | 28.0 |      |      |      |  |
| 海         | 水          | 0 m       | 28.0  |      |      |      |      |  |
|           |            | 25        | 27.1  |      |      |      |      |  |
|           |            | 50        | 22.6  |      |      |      |      |  |
|           |            | 75        | 21.2  |      |      |      |      |  |
|           |            | 100       | 19.5  |      |      |      |      |  |
|           |            | 200       | 14.0  |      |      |      |      |  |
| 象         | 塩          | 0         | 18.56 |      |      |      |      |  |
|           |            | 25        | 18.58 |      |      |      |      |  |
|           |            | 50        | 18.66 |      |      |      |      |  |
|           |            | 75        | 19.26 |      |      |      |      |  |
|           |            | 100       | 19.25 |      |      |      |      |  |
|           |            | 150       | 19.15 |      |      |      |      |  |
|           | 200        | 19.16     |       |      |      |      |      |  |
| 釣獲水深      |            | 250~350   |       |      |      |      |      |  |
| 操業開始時刻    |            | 11.40     |       |      |      |      |      |  |
| " 終了時刻    |            | 16.30     |       |      |      |      |      |  |
| 実操業時間(投縄) |            | 1.35      |       |      |      |      |      |  |
| 操業回数      |            | 5         |       |      |      |      |      |  |
| 平均操業時間    |            | 19'       |       |      |      |      |      |  |
| 平均釣手数名    |            | 5         |       |      |      |      |      |  |
| 平均釣針数本    |            | 48        |       |      |      |      |      |  |
| 獲物        | カンパチ(赤原)   |           |       |      |      |      |      |  |
|           | ハタ(アラ)     |           |       |      |      |      |      |  |
|           | アオダイ(ホタ)   |           |       |      |      |      |      |  |
|           | ヒメダイ(クロマツ) |           |       |      |      |      |      |  |
|           | ハマダイ(チビキ)  |           |       |      |      |      |      |  |
|           | メダイ(タルメ)   |           |       |      |      |      |      |  |
|           | キダイ(レンコ)   |           |       |      |      |      |      |  |
|           | その他瀬魚      |           |       |      |      |      |      |  |
| 計         |            |           |       |      |      |      |      |  |
| 捕獲量 kg    |            |           |       |      |      |      |      |  |
| 操業船隻数     |            |           |       |      |      |      |      |  |
| 民間船操業隻数   |            | 2         |       |      |      |      |      |  |

| 第 2 次 航 海 |           |           |           |          |           |           |           |           |   |
|-----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|-----------|---|
| 8.        | 5         | "         |           | 6        | "         | 7         | "         |           | 8 |
| 竹島SE      | 硫黄島       | 海吉ソネ      | 梅吉ソネ      | 芽 瀬      | 屋久新ソネ     | 中ノ島       | 小臥蛇島      | 権ソネ       |   |
| 3         | S 4       |           |           |          |           | NW10      | N         |           |   |
|           |           | 18.00     | 10.50     |          | 13.30     |           | 12.00     |           |   |
|           |           | bc        | "         |          | bc        |           | b         |           |   |
|           |           | 29.0      | 29.0      |          | 29.0      |           | 30.0      |           |   |
|           |           | 1010      | 1009      |          | 1010      |           | 1010      |           |   |
|           |           | 4         | 4         |          | 3         |           | 2         |           |   |
|           |           | SW 3      | WSW 3     |          | WNW 4     |           | WNW 3     |           |   |
|           |           | 2         | 2         |          | 3         |           | 2         |           |   |
|           |           | 2         | 2         |          | 3         |           | 2         |           |   |
|           |           | N後E       | NNE       |          | E 速       |           | E 速       |           |   |
|           |           | 28.2      | 28.1      |          | 28.7      |           |           |           |   |
|           |           |           | 27.69     |          | 28.60     |           |           |           |   |
|           |           |           | 25.20     |          | 28.30     |           |           |           |   |
|           |           |           | 22.24     |          | 27.15     |           |           |           |   |
|           |           |           | 20.15     |          | 23.60     |           |           |           |   |
|           |           |           | 15.83     |          | 20.60     |           |           |           |   |
|           |           |           | 13.70     |          | 18.47     |           |           |           |   |
|           |           |           | 18.82     |          | 18.85     |           |           |           |   |
|           |           |           | 18.91     |          | 18.80     |           |           |           |   |
|           |           |           | 19.00     |          | 18.88     |           |           |           |   |
|           |           |           | 19.27     |          | 18.93     |           |           |           |   |
|           |           |           | 19.20     |          | 19.62     |           |           |           |   |
|           |           |           | 19.20     |          | 19.27     |           |           |           |   |
|           |           |           | 19.05     |          | 19.28     |           |           |           |   |
| 170 ~ 220 | 180 ~ 220 | 170 ~ 190 | 170 ~ 180 | 80 ~ 230 | 180 ~ 280 | 150 ~ 200 | 150 ~ 250 | 150 ~ 270 |   |
| 06.30     | 09.20     | 14.20     | 07.25     | 17~15    | 06~15     | 06~50     | 09.40     | 15.50     |   |
| 07.30     | 10.30     | 18.00     | 11.20     | 18.35    | 18.20     | 07.40     | 13.30     | 18.30     |   |
| 0.40      | 0.50      | 1.40      | 2.30      | 0.40     | 7.05      | 0.30      | 21.0      | 1~45      |   |
| 3         | 3         | 7         | 7         | 3        | 21        | 3         | 10        | 5         |   |
| 13.3      | 16.7      | 14.3      | 21.4      | 15       | 20.2      | 10        | 13        | 21        |   |
| 7         | 7         | 7         | 7         | 7        | 7         | 7         | "         | "         |   |
| 54        | "         | "         | "         | "        | "         | 54        | "         | "         |   |
|           |           |           | 2         |          |           |           |           |           |   |
|           |           |           |           |          | 27        |           | 22        | 21        |   |
|           |           |           | 1         |          |           |           |           | 2         |   |
|           |           | 14        | 20        |          | 17        |           |           |           |   |
|           |           | 1         |           |          |           |           |           |           |   |
|           |           | 1         |           |          |           |           |           |           |   |
|           |           | 16        | 23        |          | 44        |           | 22        | 23        |   |
|           |           | 15        | 20        |          | 30        |           | 10        | 10        |   |
|           |           |           |           |          | 10        |           |           |           |   |

|         |         |         |         | 第 3     |         |         |          |         |
|---------|---------|---------|---------|---------|---------|---------|----------|---------|
| " 9     | " 10    |         | " 11    | 8. 20   |         |         | " 21     |         |
| 権ソネ     | ドソソネ    | 西新ソネ    | 黒島 N    | 竹 島 S   | 硫黄島 S 8 | 海吉ソネ 南側 | 壁久新ソネ 北側 | " 南側    |
|         |         |         |         | 180~200 | 250~280 | 150~200 | 180~270  | 220~270 |
| 13.30   |         |         |         |         |         | 14.00   | 13.00    |         |
| b       | bc      |         | be      |         |         | o       | bc       |         |
| 29.5    | 29.0    |         | 29.5    |         |         | 30.0    | 30.5     |         |
| 1013    | 1012    |         | 1014    |         |         | 1010    | 1010     |         |
| 2       | 3       |         | 3       |         |         | 9       | 4        |         |
| SW 3    | SSE 3   |         | SE 3    |         |         | SSW 1   | S 1      |         |
| 2       | 2       |         | 2       |         |         | 1       | 1        |         |
| 3       | 3       |         | 3       |         |         | 2       | 2        |         |
| S E     | SE 速    |         | E 速     |         |         | N 急     | SE 急     |         |
| 29.6    |         |         |         | 29.6    | 29.6    | 29.6    | 31.4     |         |
| 29.30   |         |         |         |         |         | 29.3    | 28.7     |         |
| 28.07   |         |         |         |         |         | 25.7    | 28.2     |         |
| 26.84   |         |         |         |         |         | 23.5    | 27.3     |         |
| 25.46   |         |         |         |         |         | 20.8    | 24.7     |         |
| 23.21   |         |         |         |         |         | 15.6    | 20.8     |         |
| 20.30   |         |         |         |         |         | 14.0    | 20.2     |         |
| 18.95   |         |         |         |         |         | 18.70   | 18.93    |         |
| 18.79   |         |         |         |         |         | 19.19   | 18.87    |         |
| 18.69   |         |         |         |         |         | 19.19   | 18.95    |         |
| 19.14   |         |         |         |         |         | 19.26   | 18.97    |         |
| 19.19   |         |         |         |         |         | 19.27   | 19.18    |         |
| 19.36   |         |         |         |         |         | 19.23   | 19.26    |         |
| 19.34   |         |         |         |         |         | 19.14   | 19.33    |         |
| 150~270 | 180~200 | 150~250 | 100~200 |         |         | 180     | 220      | 220~240 |
| 06~40   | 08.00   | 12.45   | 06.20   | 06.45   | 10.15   | 11.50   | 06.30    | 14.40   |
| 18.45   | 09.15   | 16.50   | 11.00   | 07.35   | 10.30   | 18.10   | 12.55    | 19.00   |
| 6.15    | 0.25    | 2.35    | 2.15    | 0.35    | 0.15    | 3.25    | 2.00     | 3.15    |
| 28      | 2       | 15      | 12      | 3       | 1       | 13      | 7        | 7       |
| 14.1    | 12.5    | 10.3    | 11.3    | 11.7    | 15      | 16.5    | 17.1     | 27.8    |
| 7       | 7       | 7       | 7       | 7       | "       | 7       | "        | "       |
| 54      | 54      | "       | "       | 56      | "       | 56      | "        | "       |
|         |         | "       |         |         |         |         |          |         |
| 182     |         |         | 9       |         |         |         | 2        |         |
| 2       |         | 4       | 3       |         |         |         |          |         |
| 8       |         | 11      |         | 1       |         | 18      | 16       | 28      |
|         |         |         |         |         |         |         |          |         |
|         |         |         |         |         |         | 2       |          | 2       |
| 192     |         | 15      | 12      | 1       |         | 20      | 18       | 30      |
| 100     |         | 10      | 4       | 0.5     |         | 40      | 20       | 40      |
|         |         |         |         |         |         |         | 1        |         |
|         |         |         |         |         |         |         | 7        | 8       |

| 次 航 海      |           |           |           |           |           |           |             |  |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|--|
| "          | 22        | " 23      | " 24      | " 25      | " 25      | " 26      | 9 9         |  |
| 諏訪ノ瀬<br>西側 | 権ソネ       | 巖ソネ       | 西新ソネ      | 黒島西側      | 黒島北側      | 梅吉ソネ      | 草垣島<br>ベツト島 |  |
| 250 ~ 300  | 150 ~ 310 | 110 ~ 240 | 170 ~ 190 | 100 ~ 180 | 120 ~ 210 | 170 ~ 250 | 180 ~ 210   |  |
|            | 14.40     |           |           |           |           |           |             |  |
|            | bc        | bc        | o         |           |           | o         | bc          |  |
|            | 30.0      | 30.0      | 30.0      |           |           | 31.0      | 31.0        |  |
|            | 1008      | 1007      | 1006      |           |           | 1007      | 1010        |  |
|            | 3         | 3         | 8         |           |           | 10        | 4           |  |
|            | E 1       | SE 2      | E 4       |           |           | SE 2      | S 3         |  |
|            | 1         | 1         | 4         |           |           | 2         | 3           |  |
|            | 2         | 3         | 4         |           |           | 4         | 4           |  |
|            | ENE 急     | SE 急      | SE 急      |           |           | ESE 急     | SSE         |  |
|            | 30.5      | 29.8      | 29.6      |           |           |           | 29.6        |  |
|            | 29.4      |           |           |           |           |           | 29.7        |  |
|            | 28.1      |           |           |           |           |           | 25.7        |  |
|            | 25.5      |           |           |           |           |           | 21.9        |  |
|            | 24.7      |           |           |           |           |           | 21.1        |  |
|            | 22.2      |           |           |           |           |           | 18.1        |  |
|            | 20.7      |           |           |           |           |           | 14.7        |  |
|            | 18.93     |           |           |           |           |           | 18.80       |  |
|            | 18.90     |           |           |           |           |           | 18.77       |  |
|            | 18.93     |           |           |           |           |           | 19.03       |  |
|            | 19.09     |           |           |           |           |           | 19.24       |  |
|            | 19.15     |           |           |           |           |           | 19.22       |  |
|            | 19.27     |           |           |           |           |           | 19.25       |  |
|            | 19.39     |           |           |           |           |           | 19.22       |  |
|            |           |           |           |           |           |           | 180 ~ 200   |  |
| 06.25      | 12.10     | 06.45     | 06.20     | 13.10     | 07.10     | 13.20     | 07.00       |  |
| 07.25      | 18.25     | 18.35     | 07.45     | 15.40     | 11.00     | 17.20     | 17.40       |  |
| 0.40       | 2.45      | 2.15      | 0.45      | 1 ~ 45    | 2.15      | 2.50      | 7.40        |  |
| 3          | 8         | 11        | 3         | 4         | 9         | 10        | 23          |  |
| 13.3       | 20.6      | 12.2      | 15        | 18.7      | 15        | 17        | 20          |  |
| "          | "         | "         | "         | "         | "         | "         | "           |  |
| "          | "         | "         | "         | "         | "         | "         | "           |  |
|            |           |           |           |           |           |           |             |  |
|            | 1         | 1         |           |           |           |           |             |  |
| 1          | 3         | 4         | 2         |           | 7         | 7         | 77          |  |
|            |           |           |           |           |           |           |             |  |
|            |           |           |           |           |           | 9         | 40          |  |
| 1          | 4         | 5         | 2         |           | 7         | 16        | 117         |  |
| 1          | 5         | 5.7       | 3         |           | 7         | 12        | 150         |  |
|            | 1         |           |           |           |           |           |             |  |
| 1          | 1         |           |           |           |           |           |             |  |



| 第 4 次 航 海           |                     |                     |                       | " 10    |         | 10. 5 | " 6     | " 7   |
|---------------------|---------------------|---------------------|-----------------------|---------|---------|-------|---------|-------|
| st 2                | " 3                 | " 4                 | " 5                   | 栗生沖     | 中ノソネ    | 野間岬   | 黒島北側    | 黒島避泊  |
| N 30~56<br>E 130~31 | N 30~47<br>E 130~28 | N 30~37<br>E 130~25 | N 30~27<br>E 130~21.5 |         |         | W 3   |         |       |
| 263                 | 85                  | 195                 | 630                   | 170~250 | 180~250 |       | 100~200 |       |
| 1540                | 1745                | 1950                | 2200                  |         |         | 20.30 | 12.25   | 12.00 |
| "                   | bc                  | "                   | "                     |         |         | bc    | o       | o     |
| "                   | "                   | 22.5                | "                     | 31.0    |         | 27.5  | 28.5    | 26.5  |
| 1008                | "                   | "                   | 1010                  | 1009    |         | 1012  | 1005    | 1008  |
| 8                   | 4                   | "                   | "                     | 3       |         | 3     | 8       | 8     |
| "                   | "                   | "                   | "                     | E 2     |         | SSE 2 | SW 3    | N 4   |
| "                   | "                   | "                   | "                     | 2       |         | 2     | 4       | 4     |
| 3                   | "                   | "                   | 2                     | 4       |         | 3     | 5       | 5     |
|                     |                     |                     |                       |         |         |       | 22      |       |
| "                   | "                   | "                   | "                     | SE 急    |         |       | E 急     |       |
| 30.6                | 30.2                | 30.6                | 29.7                  |         |         | 26.8  | 28.0    |       |
| 28.60               | 28.40               | 28.58               | 29.24                 |         |         | 26.91 | 27.81   |       |
| 25.90               | 25.32               | 25.20               | 26.59                 |         |         | 26.11 | 27.61   |       |
| 21.70               | 21.92               | 22.90               | 22.47                 |         |         | 21.10 | 24.62   |       |
| 19.00               |                     | 22.41               | 22.40                 |         |         | 18.56 | 21.60   |       |
| 16.62               |                     | 17.81               | 19.00                 |         |         | 15.41 | 19.31   |       |
| 14.80               |                     | 16.75               | 16.22                 |         |         | 15.41 | 16.34   |       |
| 18.81               | 18.84               | 18.84               | 18.84                 |         |         | 18.92 | 18.92   |       |
| 18.85               | 19.16               | 19.01               | 18.93                 |         |         | 18.89 | 18.98   |       |
| 19.06               | 19.06               | 19.04               | 18.97                 |         |         | 18.87 | 19.98   |       |
| 19.19               | 18.90               | 19.19               | 19.25                 |         |         | 19.15 | 18.99   |       |
| 19.72               |                     | 19.21               | 19.23                 |         |         | 19.27 | 19.27   |       |
| 19.19               |                     | 19.32               | 19.27                 |         |         | 19.19 | 19.30   |       |
| 19.16               |                     | 19.19               | 19.14                 |         |         | 19.16 | 19.20   |       |
|                     |                     |                     |                       |         |         |       | 120     |       |
|                     |                     |                     |                       | 07.55   | 13.25   |       | 07.50   |       |
|                     |                     |                     |                       | 10.05   | 16.45   |       | 15.05   |       |
|                     |                     |                     |                       | 1.35    | 1.30    |       | 3.25    |       |
|                     |                     |                     |                       | 5       | 6       |       | 16      |       |
|                     |                     |                     |                       | 19      | 15      |       | 12.8    |       |
|                     |                     |                     |                       | 7       | "       |       | 7       |       |
|                     |                     |                     |                       | 56      | "       |       | 56      |       |
|                     |                     |                     |                       |         |         |       | 12      |       |
|                     |                     |                     |                       |         |         |       | 12      |       |
|                     |                     |                     |                       |         |         |       | 12      |       |

| 第 5 次 航 海 |            |       |         |            |         |           |       |
|-----------|------------|-------|---------|------------|---------|-----------|-------|
| " 8       | " 9        | " 10  | " 11    | " 12       | " 13    | 10. 27    |       |
| 草垣島       | 黒島南西<br>7' | 山川港   | "       | 梅吉ソネ<br>南側 | "       | 東新ソネ 西新ソネ | 大泊避泊  |
| 150~300   |            |       | 140~200 | "          | 210~270 | 150~220   |       |
| 12.20     |            | 12.00 | "       | 12.50      | 12.00   |           | 15.45 |
| bc        |            | bc    | "       | "          | "       | o         | o     |
| 25.5      |            | 25.0  | 25.0    | 25.0       | "       | 25.5      | 21.0  |
| 1011      |            | 1006  | 1010    | 1017       | 1020    | 1019      | 1000  |
| 2         |            | 4     | 4       | 4          | 3       | 10        | 7     |
| NE 2      |            | NE 3  | N 3     | NNE 3      | NE 2    | E 2       | NW 4  |
| 2         |            |       |         | 3          | 2       | 2         | 5     |
| 3         |            |       |         | 4          | 3       | 3         | 5     |
| 21        |            |       |         | 24         |         | 22        |       |
| NE 急      |            |       |         | E~SE 急     | "       | E 急       |       |
| 27.3      |            |       |         | 25.9       | 25.9    | 26.0      |       |
| 27.35     |            |       |         | 25.95      |         | 26.10     |       |
| 27.30     |            |       |         | 25.70      |         | 26.00     |       |
| 23.19     |            |       |         | 25.45      |         | 25.81     |       |
| 19.37     |            |       |         | 23.75      |         | 23.31     |       |
| 16.19     |            |       |         | 20.22      |         | 21.67     |       |
| 15.40     |            |       |         | 15.77      |         | 16.30     |       |
| 18.92     |            |       |         | 19.11      |         | 19.00     |       |
| 18.91     |            |       |         | 19.15      |         | 18.95     |       |
| 18.93     |            |       |         | 19.12      |         | 19.55     |       |
| 19.16     |            |       |         | 19.05      |         | 19.42     |       |
| 19.31     |            |       |         | 19.10      |         | 19.35     |       |
| 19.21     |            |       |         | 19.23      |         | 19.29     |       |
| 19.15     |            |       |         | 19.19      |         | 19.18     |       |
|           |            |       |         |            |         |           |       |
| 07.10     | 16.20      |       |         | 08.05      | 06.20   | 07.45     | 11.05 |
| 13.45     | 17.10      |       |         | 18.10      | 17.50   | 08.00     | 15.40 |
| 2.30      | 0.35       |       |         | 3.45       | 6.25    | 0.35      | 2.45  |
| 10        | 2          |       |         | 13         | 24      | 2         | 11    |
| 15        | 17.5       |       |         | 17.3       | 16      | 17.5      | 15    |
| 7         | "          |       |         | 7          | "       | "         | "     |
| 56        | "          |       |         | 56         | "       | "         | "     |
|           |            |       |         |            |         |           |       |
|           |            |       |         |            |         |           |       |
|           |            |       |         | 44         | 44      |           | 1     |
|           |            |       |         |            | 1       |           |       |
|           |            |       |         |            | 1       |           |       |
| 1         |            |       |         |            | 2       |           |       |
| 1         |            |       |         | 44         | 48      |           | 1     |
|           |            |       |         |            |         |           |       |
|           |            |       |         |            |         |           |       |





| 第 8 次 航 海 |       |       |       |       |       |       |       |         |
|-----------|-------|-------|-------|-------|-------|-------|-------|---------|
| 11. 30    | 12. 6 | " 7   | " 8   | " 9   |       |       |       |         |
| 梅吉ソネ      | 碓氷島   | st 1  | st 2  | 竹島避泊  | st 3  | st 4  | st 5  | 権ソネ     |
|           | 南8トツペ |       |       |       |       |       |       | 270-320 |
|           | 13.50 | 15.50 | 12.00 | 07.25 | 09.45 | 11.55 | 16.30 |         |
| r         | o     |       | r     | o     | o     | o     | bc    |         |
| 18.5      | 18.5  |       | 14.5  | 13.5  | 17.5  | 19.5  | 19.5  |         |
| 1020      | 1016  |       | 1024  | 1026  | "     | "     | 1023  |         |
| 10        | 7     |       | 9     | 8     | 8     | 9     | 5     |         |
| NE 2      | NW 3  |       | NW 4  | N 2   | NW 3  | NW 3  | N 2   |         |
| 1         | 2     |       | 3     | 1     | 3     | 3     | 2     |         |
| 2         | 3     |       | 5     | 2     | 4     | 5     | 3     |         |
|           | 21    |       |       |       |       |       |       |         |
|           |       |       |       |       |       |       |       | NE 急    |
| 22.6      | 22.2  | 22.8  | 22.6  | 22.2  | 22.4  | 22.3  | 24.2  |         |
|           | 22.31 | 22.81 |       | 21.88 | 22.35 | 22.30 | 24.05 |         |
|           |       | 22.78 |       | 21.88 | 22.50 | 22.45 | 24.20 |         |
|           | 21.76 | 22.36 |       | 20.09 | 21.95 | 22.30 | 23.90 |         |
|           | 21.00 | 19.30 |       | 18.10 | 21.35 | 19.75 | 23.70 |         |
|           | 17.42 | 15.92 |       | 16.70 | 16.05 | 16.35 | 22.60 |         |
|           | 15.70 | 15.72 |       | 15.05 | 13.91 | 13.64 | 21.35 |         |
|           | 19.17 | 19.10 |       | 19.10 | 19.18 | 19.12 | 19.16 |         |
|           | 19.15 | 19.31 |       | 19.14 | 19.16 | 19.11 | 19.28 |         |
|           | 19.24 | 19.26 |       | 19.17 | 19.15 | 19.10 | 19.19 |         |
|           | 19.23 | 19.05 |       | 19.17 | 19.14 | 19.10 | 19.19 |         |
|           | 19.24 | 19.24 |       | 19.19 | 19.16 | 19.14 | 19.23 |         |
|           | 19.17 | 19.18 |       | 19.29 | 19.17 | 19.19 | 19.25 |         |
|           | 19.19 | 19.16 |       | 19.31 | 19.31 | 19.40 | 19.30 |         |
| 160       |       |       |       |       |       |       | 300   |         |
| 07.20     | 15.20 |       |       |       |       |       | 07.15 |         |
| 11.50     | 17.00 |       |       |       |       |       | 16.30 |         |
| 2.40      | 1.05  |       |       |       |       |       | 6.25  |         |
| 12        | 4     |       |       |       |       |       | 11    |         |
| 13.3      | 16.2  |       |       |       |       |       | 35    |         |
| "         | "     |       |       |       |       |       | 5     |         |
| "         | "     |       |       |       |       |       | 40    |         |
|           |       |       |       |       |       |       |       |         |
|           |       |       |       |       |       |       |       |         |
| 10        |       |       |       |       |       |       | 40    |         |
|           |       |       |       |       |       |       |       |         |
| 3         |       |       |       |       |       |       |       |         |
| 13        |       |       |       |       |       |       | 40    |         |
| 10        |       |       |       |       |       |       | 56    |         |



