

付表 シジミへい死要因調査に係る生息環境調査観測資料

## 底層水温 °C

| St 名   | 5/26 | 6/7  | 6/24 | 7/7  | 7/23 | 8/3  | 8/23 | 9/13 | 9/29 | 11/17 |
|--------|------|------|------|------|------|------|------|------|------|-------|
| 中央水産前  | 21.5 | 23.3 | 25.8 | 28.1 | 27.2 | 28.0 | 27.3 | 25.2 | 23.6 | 17.4  |
| 美術館前   | 21.7 | 23.3 | 25.8 | 28.3 | 27.5 | 28.2 | 27.3 | 25.2 | 23.6 | 14.6  |
| 嫁ヶ島沖   | 22.1 | 23.1 | 25.7 | 28.0 | 27.4 | 27.8 | 27.4 | 25.1 | 23.6 | 14.8  |
| 玉湯布志名岸 | 22.8 | 23.2 | 25.7 | 28.5 | 27.7 | 28.4 | 27.1 | 25.9 | 23.6 | 15.4  |
| 玉湯布志名沖 | 22.2 | 23.0 | 25.6 | 28.5 | 27.7 | 27.9 | 27.2 | 25.0 | 23.6 | 15.3  |
| 来待岸    | 23.0 | 23.4 | 25.8 | 28.4 | 27.8 | 27.7 | 27.4 | 25.0 | 23.4 | 14.9  |
| 来待沖    | 22.3 | 23.1 | 25.5 | 28.0 | 27.7 | 27.7 | 27.3 | 24.9 | 23.5 | 15.4  |
| 空港滑走路南 |      | 23.9 | 25.5 | 27.9 | 27.4 | 28.6 | 27.6 | 24.3 | 23.0 | 14.6  |
| 斐伊川河口  | 20.7 | 23.5 | 25.6 | 28.1 | 27.7 | 28.0 | 27.1 | 24.4 | 21.2 | 15.0  |
| 平田一畑口岸 | 21.4 | 23.7 | 25.6 | 26.9 | 27.4 | 28.1 | 27.1 | 25.0 | 22.4 | 14.7  |
| 平田一畑口沖 | 20.3 | 23.7 | 25.6 | 26.9 | 27.4 | 28.2 | 27.1 | 24.9 | 22.8 | 14.7  |
| 秋鹿岸    | 20.3 | 24.0 | 25.6 | 27.2 | 27.4 | 28.1 | 27.3 | 25.4 | 23.3 | 14.3  |
| 秋鹿沖    | 19.9 | 23.1 | 25.7 | 27.0 | 27.4 | 27.6 | 27.3 | 25.0 | 23.4 | 14.8  |
| 佐陀川岸   | 20.9 | 23.1 | 25.8 | 27.4 | 27.3 | 27.9 | 27.4 | 25.3 | 23.6 | 14.4  |
| 佐陀川沖   | 20.7 | 23.0 | 25.7 | 27.5 | 27.3 | 27.9 | 27.4 | 25.1 | 23.6 | 14.5  |
| 平均     | 21.4 | 23.4 | 25.7 | 27.8 | 27.5 | 28.0 | 27.3 | 25.0 | 23.2 | 15.0  |

## 底層塩分 psu

| St 名   | 5/26 | 6/7 | 6/24 | 7/7 | 7/23 | 8/3 | 8/23 | 9/13 | 9/29 | 11/17 |
|--------|------|-----|------|-----|------|-----|------|------|------|-------|
| 中央水産前  | 4.6  | 4.4 | 4.5  | 4.1 | 19.5 | 6.5 | 7.5  | 7.1  | 5.6  | 16.3  |
| 美術館前   | 4.5  | 4.3 | 4.5  | 4.1 | 8.6  | 6.3 | 7.5  | 6.8  | 5.5  | 1.8   |
| 嫁ヶ島沖   | 4.5  | 4.2 | 4.4  | 4.1 | 7.4  | 6.5 | 7.4  | 6.8  | 5.6  | 2.6   |
| 玉湯布志名岸 | 4.4  | 4.3 | 4.0  | 4.2 | 5.0  | 5.9 | 6.4  | 6.1  | 5.6  | 1.9   |
| 玉湯布志名沖 | 4.4  | 4.2 | 4.1  | 4.1 | 5.1  | 6.2 | 6.7  | 6.4  | 5.7  | 2.1   |
| 来待岸    | 4.3  | 3.9 | 3.7  | 4.0 | 5.0  | 3.9 | 6.0  | 4.3  | 5.5  | 1.6   |
| 来待沖    | 4.3  | 3.9 | 3.8  | 4.0 | 5.0  | 5.1 | 6.1  | 5.4  | 5.5  | 1.9   |
| 空港滑走路南 |      | 2.9 | 3.5  | 3.7 | 4.9  | 4.2 | 5.7  | 5.7  | 1.6  | 1.3   |
| 斐伊川河口  | 4.0  | 1.9 | 3.6  | 4.0 | 5.0  | 3.2 | 4.1  | 4.9  | 0.8  | 1.1   |
| 平田一畑口岸 | 3.8  | 2.6 | 3.2  | 3.7 | 4.9  | 5.8 | 5.1  | 5.6  | 2.1  | 1.4   |
| 平田一畑口沖 | 4.0  | 2.5 | 3.3  | 3.8 | 5.0  | 5.9 | 5.3  | 6.1  | 2.8  | 1.4   |
| 秋鹿岸    | 4.3  | 3.5 | 3.8  | 4.3 | 4.8  | 6.1 | 6.2  | 6.3  | 5.1  | 1.5   |
| 秋鹿沖    | 4.3  | 4.1 | 3.9  | 4.5 | 5.1  | 6.1 | 6.3  | 6.4  | 5.1  | 1.6   |
| 佐陀川岸   | 4.5  | 3.8 | 4.4  | 4.2 | 4.6  | 6.5 | 6.7  | 6.6  | 5.5  | 1.9   |
| 佐陀川沖   | 4.4  | 4.1 | 4.4  | 4.2 | 4.8  | 6.5 | 7.5  | 6.6  | 5.6  | 1.9   |
| 平均     | 4.3  | 3.6 | 3.9  | 4.1 | 6.3  | 5.6 | 6.3  | 6.1  | 4.5  | 2.7   |

## 底層溶存酸素 %

| St 名   | 5/26  | 6/7  | 6/24 | 7/7   | 7/23 | 8/3   | 8/23 | 9/13  | 9/29 | 11/17 |
|--------|-------|------|------|-------|------|-------|------|-------|------|-------|
| 中央水産前  | 92.5  | 65.1 | 70.3 | 69.5  | 30.9 | 89.6  | 44.9 | 67.1  | 75.2 | 41.5  |
| 美術館前   | 93.2  | 73.8 | 79.8 | 69.0  | 74.4 | 97.3  | 50.4 | 82.6  | 75.9 | 86.7  |
| 嫁ヶ島沖   | 103.6 | 79.5 | 80.3 | 81.2  | 76.9 | 75.6  | 64.5 | 75.6  | 72.5 | 77.5  |
| 玉湯布志名岸 | 107.5 | 76.6 | 92.1 | 75.4  | 88.6 | 72.9  | 80.0 | 128.9 | 74.5 | 82.0  |
| 玉湯布志名沖 | 91.4  | 85.2 | 80.1 | 75.4  | 84.1 | 61.8  | 64.3 | 114.5 | 76.9 | 88.2  |
| 来待岸    | 106.3 | 77.1 | 66.0 | 77.9  | 84.5 | 100.8 | 79.2 | 86.4  | 73.0 | 89.8  |
| 来待沖    | 81.0  | 70.3 | 74.5 | 71.5  | 90.3 | 78.5  | 61.9 | 93.9  | 73.3 | 85.8  |
| 空港滑走路南 | -     | 62.8 | 78.8 | 86.4  | 75.4 | 102.9 | 79.8 | 67.5  | 74.3 | 85.9  |
| 斐伊川河口  | 93.8  | 67.1 | 87.5 | 76.1  | 92.8 | 91.6  | 88.5 | 81.1  | 84.5 | 83.6  |
| 平田一畑口岸 | 109.5 | 91.6 | 72.4 | 103.7 | 77.7 | 43.4  | 81.6 | 71.0  | 77.5 | 79.0  |
| 平田一畑口沖 | 107.1 | 69.7 | 75.4 | 92.5  | 90.2 | 53.9  | 71.4 | 76.5  | 81.0 | 84.6  |
| 秋鹿岸    | 90.3  | 81.0 | 78.4 | 68.6  | 83.6 | 69.3  | 70.2 | 82.6  | 77.6 | 82.4  |
| 秋鹿沖    | 83.6  | 80.6 | 82.8 | 38.0  | 82.0 | 59.0  | 76.4 | 82.0  | 79.1 | 79.4  |
| 佐陀川岸   | 97.6  | 87.0 | 70.6 | 79.6  | 85.3 | 70.0  | 60.4 | 86.8  | 75.4 | 85.0  |
| 佐陀川沖   | 99.6  | 68.2 | 82.7 | 87.5  | 82.2 | 82.2  | 58.0 | 83.7  | 73.2 | 81.8  |
| 平均     | 96.9  | 75.7 | 78.1 | 76.8  | 79.9 | 76.6  | 68.8 | 85.3  | 76.3 | 80.9  |

付表 シジミへい死要因調査に係る生息環境調査観測資料

底層溶存酸素 ppm

| St 名   | 5/26 | 6/7  | 6/24 | 7/7  | 7/23 | 8/3  | 8/23 | 9/13  | 9/29 | 11/17 |
|--------|------|------|------|------|------|------|------|-------|------|-------|
| 中央水産前  | 8.23 | 5.39 | 5.49 | 5.26 | 2.20 | 6.84 | 3.45 | 5.42  | 6.14 | 3.74  |
| 美術館前   | 8.06 | 6.11 | 6.26 | 5.20 | 5.48 | 7.33 | 3.82 | 6.58  | 6.19 | 8.78  |
| 嫁ヶ島沖   | 8.97 | 6.64 | 6.55 | 6.93 | 5.71 | 5.89 | 4.79 | 5.99  | 5.91 | 7.75  |
| 玉湯布志名岸 | 9.04 | 6.39 | 7.30 | 5.68 | 6.63 | 5.57 | 5.26 | 10.20 | 6.11 | 8.13  |
| 玉湯布志名沖 | 8.48 | 7.24 | 6.54 | 5.36 | 6.29 | 4.89 | 5.08 | 8.84  | 6.27 | 8.79  |
| 来待岸    | 9.02 | 6.40 | 6.77 | 5.93 | 6.35 | 8.15 | 6.01 | 7.26  | 5.94 | 8.89  |
| 来待沖    | 6.82 | 5.93 | 6.08 | 5.35 | 6.66 | 6.10 | 4.80 | 7.26  | 5.98 | 8.30  |
| 空港滑走路南 | -    | 5.41 | 6.51 | 6.99 | 5.66 | 7.69 | 6.30 | 5.21  | 6.30 | 8.44  |
| 斐伊川河口  | 8.70 | 6.42 | 7.30 | 6.07 | 7.00 | 7.05 | 6.50 | 6.81  | 7.45 | 8.35  |
| 平田一畑口岸 | 8.89 | 5.98 | 5.90 | 7.96 | 5.95 | 3.35 | 6.20 | 5.74  | 6.77 | 7.80  |
| 平田一畑口沖 | 9.78 | 5.41 | 6.75 | 7.24 | 6.85 | 4.29 | 5.70 | 6.14  | 6.86 | 8.47  |
| 秋鹿岸    | 8.59 | 6.58 | 6.27 | 5.24 | 6.34 | 5.29 | 5.35 | 6.52  | 5.38 | 8.48  |
| 秋鹿沖    | 8.25 | 6.71 | 6.85 | 3.50 | 6.40 | 4.42 | 5.87 | 6.77  | 6.51 | 8.27  |
| 佐陀川岸   | 9.12 | 7.06 | 5.51 | 6.05 | 6.34 | 5.31 | 4.70 | 6.76  | 5.98 | 8.64  |
| 佐陀川沖   | 8.75 | 5.52 | 6.38 | 6.67 | 6.30 | 6.17 | 4.38 | 6.60  | 6.16 | 8.34  |
| 平均     | 8.62 | 6.21 | 6.43 | 5.96 | 6.01 | 5.89 | 5.21 | 6.81  | 6.26 | 8.08  |

底層 PH

| St 名   | 5/26 | 6/7 | 6/24 | 7/7 | 7/23 | 8/3 | 8/23 | 9/13 | 9/29 | 11/17 |
|--------|------|-----|------|-----|------|-----|------|------|------|-------|
| 中央水産前  | 7.9  | 7.1 | 7.0  | 7.3 | 7.4  | 7.6 | 7.0  | 7.0  | 7.1  | 7.5   |
| 美術館前   | 7.9  | 7.1 | 7.1  | 7.1 | 7.4  | 8.1 | 7.0  | 7.2  | 7.1  | 7.7   |
| 嫁ヶ島沖   | 8.0  | 7.4 | 7.3  | 7.6 | 7.4  | 7.4 | 7.1  | 7.3  | 7.0  | 7.7   |
| 玉湯布志名岸 | 8.3  | 7.4 | 7.6  | 7.3 | 7.7  | 7.4 | 7.2  | 8.3  | 7.0  | 7.5   |
| 玉湯布志名沖 | 8.0  | 7.8 | 7.3  | 7.4 | 7.7  | 7.2 | 7.2  | 7.9  | 7.0  | 7.8   |
| 来待岸    | 8.4  | 7.2 | 7.4  | 7.5 | 7.6  | 8.3 | 7.4  | 7.5  | 7.0  | 7.7   |
| 来待沖    | 7.9  | 7.0 | 7.5  | 7.6 | 7.8  | 7.5 | 7.3  | 7.8  | 6.9  | 7.7   |
| 空港滑走路南 | -    | 7.0 | 7.3  | 7.8 | 7.5  | 8.0 | 7.4  | 7.0  | 6.7  | 7.4   |
| 斐伊川河口  | 8.2  | 7.0 | 7.6  | 7.7 | 8.2  | 7.9 | 7.5  | 7.8  | 6.7  | 7.6   |
| 平田一畑口岸 | 8.5  | 7.5 | 6.9  | 7.5 | 7.0  | 6.8 | 7.0  | 7.1  | 7.1  | 7.4   |
| 平田一畑口沖 | 8.8  | 7.5 | 7.1  | 7.6 | 6.8  | 7.0 | 6.9  | 7.2  | 7.2  | 7.4   |
| 秋鹿岸    | 7.7  | 7.7 | 7.0  | 7.0 | 7.2  | 7.2 | 6.9  | 7.0  | 7.1  | 7.5   |
| 秋鹿沖    | 7.8  | 7.8 | 7.2  | 6.9 | 7.3  | 7.1 | 7.0  | 7.2  | 7.2  | 7.5   |
| 佐陀川岸   | 8.0  | 7.7 | 7.0  | 7.3 | 7.4  | 7.4 | 7.0  | 7.2  | 7.1  | 7.5   |
| 佐陀川沖   | 7.9  | 7.1 | 7.2  | 7.6 | 7.4  | 7.5 | 7.0  | 7.2  | 7.1  | 7.5   |
| 平均     | 8.1  | 7.3 | 7.2  | 7.4 | 7.5  | 7.5 | 7.1  | 7.4  | 7.0  | 7.6   |

透明度 m

| St 名   | 5/26 | 6/7 | 6/24 | 7/7 | 7/23 | 8/3 | 8/23 | 9/13 | 9/29 | 11/17 |
|--------|------|-----|------|-----|------|-----|------|------|------|-------|
| 中央水産前  | 2.5  | 2.5 | 1.8  | 1.5 | 1.7  | 1.5 | 1.6  | 2.3  | 2.4  | 2.1   |
| 美術館前   | 2.0  | 1.3 | 1.5  | 1.5 | 1.6  | 1.3 | 1.4  | 1.7  | 1.6  | 1.7   |
| 嫁ヶ島沖   | 2.8  | 1.5 | 1.7  | 1.5 | 1.7  | 1.2 | 1.1  | 1.5  | 1.5  | 1.4   |
| 玉湯布志名岸 | 1.6  | 1.1 | 1.2  | 1.7 | 1.2  | 1.0 | 1.0  | 1.3  | 1.8  | 1.5   |
| 玉湯布志名沖 | 2.2  | 1.1 | 0.9  | 1.3 | 1.2  | 1.1 | 1.0  | 1.5  | 2.2  | 1.5   |
| 来待岸    | 1.5  | 1.4 | 1.0  | 1.2 | 1.4  | 1.0 | 1.0  | 1.0  | 1.8  | 1.5   |
| 来待沖    | 2.3  | 1.4 | 1.0  | 1.1 | 1.5  | 0.9 | 1.0  | 1.3  | 2.3  | 1.5   |
| 空港滑走路南 | -    | 0.9 | 1.2  | 0.9 | 0.8  | 0.9 | 0.7  | 1.0  | 1.2  | 1.8   |
| 斐伊川河口  | 1.2  | 0.4 | 1.1  | 0.9 | 0.7  | 0.8 | 0.8  | 1.2  | 1.8  | 1.0   |
| 平田一畑口岸 | 1.2  | 0.8 | 1.0  | 1.0 | 1.1  | 1.2 | 1.0  | 0.9  | 0.7  | 1.9   |
| 平田一畑口沖 | 1.3  | 0.9 | 1.0  | 1.0 | 0.9  | 1.0 | 0.5  | 0.8  | 1.0  | 2.1   |
| 秋鹿岸    | 1.4  | 1.8 | 1.5  | 1.5 | 1.5  | 1.5 | 1.0  | 1.5  | 1.6  | 1.7   |
| 秋鹿沖    | 1.8  | 1.6 | 1.2  | 1.2 | 1.3  | 1.4 | 1.3  | 1.2  | 1.9  | 2.5   |
| 佐陀川岸   | 1.5  | 1.2 | 1.7  | 1.5 | 1.4  | 1.4 | 1.2  | 1.8  | 1.7  | 1.7   |
| 佐陀川沖   | 2.5  | 1.2 | 1.7  | 1.0 | 1.5  | 1.3 | 1.1  | 2.5  | 2.4  | 1.8   |
| 平均     | 1.8  | 1.3 | 1.3  | 1.3 | 1.3  | 1.2 | 1.0  | 1.4  | 1.7  | 1.7   |

付表 シジミへい死要因調査に係る生息環境調査観測資料

実施水深 m

| St 名   | 5/26 | 6/7 | 6/24 | 7/7 | 7/23 | 8/3 | 8/23 | 9/13 | 9/29 | 11/17 |
|--------|------|-----|------|-----|------|-----|------|------|------|-------|
| 中央水産前  | 3.7  | 3.5 | 3.5  | 3.5 | 3.8  | 3.5 | 3.7  | 3.8  | 3.4  | 3.7   |
| 美術館前   | 2.0  | 1.3 | 1.5  | 1.5 | 1.6  | 1.8 | 1.6  | 1.7  | 1.6  | 1.7   |
| 嫁ヶ島沖   | 2.8  | 2.5 | 2.5  | 2.6 | 2.5  | 2.8 | 2.7  | 2.7  | 1.5  | 2.8   |
| 玉湯布志名岸 | 1.6  | 1.4 | 1.5  | 1.7 | 1.7  | 1.9 | 1.7  | 1.7  | 1.8  | 1.7   |
| 玉湯布志名沖 | 2.5  | 2.5 | 2.5  | 2.3 | 2.2  | 2.7 | 2.8  | 2.6  | 2.7  | 2.9   |
| 来待岸    | 1.7  | 1.4 | 1.5  | 1.7 | 1.7  | 1.8 | 1.8  | 1.7  | 1.8  | 1.6   |
| 来待沖    | 2.5  | 2.4 | 2.5  | 2.3 | 2.3  | 2.5 | 2.6  | 2.3  | 2.3  | 2.9   |
| 空港滑走路南 | -    | 3.2 | 2.4  | 2.1 | 1.8  | 2.0 | 2.0  | 3.2  | 2.0  | 1.8   |
| 斐伊川河口  | 1.4  | 0.7 | 1.3  | 1.6 | 1.8  | 2.0 | 1.7  | 2.0  | 1.8  | 1.0   |
| 平田一畑口岸 | 1.2  | 1.4 | 2.0  | 1.5 | 1.7  | 2.2 | 1.6  | 1.2  | 1.8  | 1.9   |
| 平田一畑口沖 | 2.6  | 2.3 | 2.5  | 2.2 | 2.3  | 3.2 | 2.9  | 2.7  | 3.0  | 2.9   |
| 秋鹿岸    | 1.4  | 1.3 | 1.5  | 1.5 | 1.5  | 1.8 | 1.5  | 1.5  | 1.6  | 1.7   |
| 秋鹿沖    | 3.3  | 2.8 | 2.5  | 2.4 | 2.5  | 2.8 | 2.5  | 2.6  | 2.3  | 2.9   |
| 佐陀川岸   | 1.8  | 1.7 | 1.7  | 1.5 | 1.7  | 2.0 | 1.5  | 1.8  | 1.7  | 1.7   |
| 佐陀川沖   | 2.6  | 2.3 | 2.5  | 2.5 | 2.3  | 2.8 | 2.5  | 2.5  | 2.4  | 2.8   |

付表 シジミへい死要因調査に係る生息状況調査観測資料

個体数生息密度 個数/m<sup>2</sup>

| St 名   | 5/26  | 6/7   | 6/24  | 7/7   | 7/22  | 8/3   | 8/23  | 9/13  | 9/29  | 11/17 |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 中央水産前  | 8,293 | 7,450 | 7,880 | 9,750 | 8,370 | 4,560 | 7,530 | 7,230 | 9,850 | 7,640 |
| 美術館前   | 1,490 | 1,140 | 1,430 | 1,445 | 1,010 | 1,728 | 1,385 | 1,073 | 1,437 | 845   |
| 嫁ヶ島沖   | 1,032 | 1,560 | 1,545 | 880   | 955   | 1,220 | 1,135 | 1,973 | 1,220 | 810   |
| 玉湯布志名岸 | 1,060 | 1,800 | 847   | 1,845 | 2,790 | 964   | 1,515 | 2,000 | 2,710 | 2,955 |
| 玉湯布志名沖 | 1,810 | 1,525 | 1,800 | 2,765 | 2,130 | 3,252 | 2,490 | 4,160 | 5,085 | 1,835 |
| 来待岸    | 825   | 1,255 | 1,460 | 1,195 | 1,280 | 1,320 | 1,760 | 997   | 1,537 | 540   |
| 来待沖    | 650   | 930   | 685   | 1,695 | 1,050 | 1,440 | 1,176 | 1,460 | 1,100 | 772   |
| 空港滑走路南 | -     | 430   | 1,765 | 2,660 | 2,020 | 2,735 | 3,155 | 3,865 | 1,160 | 1,985 |
| 斐伊川河口  | 940   | 2,070 | 1,515 | 448   | 1,312 | 764   | 1,065 | 2,385 | 425   | 1,170 |
| 平田一畑口岸 | 504   | 650   | 630   | 845   | 688   | 548   | 1,845 | 900   | 1,810 | 1,620 |
| 平田一畑口沖 | 424   | 370   | 360   | 93    | 115   | 1,076 | 944   | 320   | 315   | 353   |
| 秋鹿岸    | 1,764 | 1,105 | 1,830 | 1,005 | 1,190 | 764   | 980   | 1,235 | 1,745 | 1,188 |
| 秋鹿沖    | 1,012 | 1,355 | 1,850 | 2,140 | 1,850 | 2,775 | 1,780 | 1,700 | 1,560 | 1,004 |
| 佐陀川岸   | 932   | 865   | 2,025 | 2,425 | 1,465 | 2,165 | 1,450 | 2,800 | 1,735 | 1,652 |
| 佐陀川沖   | 1,536 | 1,695 | 1,004 | 856   | 928   | 1,652 | 1,224 | 1,444 | 1,044 | 608   |
| Ave    | 1,591 | 1,613 | 1,775 | 2,003 | 1,810 | 1,798 | 1,962 | 2,236 | 2,182 | 1,665 |

重量生息密度 g/m<sup>2</sup>

| St 名   | 5/26  | 6/7   | 6/24  | 7/7    | 7/22  | 8/3   | 8/23  | 9/13  | 9/29   | 11/17 |
|--------|-------|-------|-------|--------|-------|-------|-------|-------|--------|-------|
| 中央水産前  | 8,751 | 7,127 | 9,202 | 10,605 | 9,668 | 7,585 | 7,851 | 9,296 | 10,565 | 8,980 |
| 美術館前   | 1,692 | 1,367 | 1,697 | 2,170  | 1,243 | 2,369 | 1,720 | 1,466 | 1,801  | 1,194 |
| 嫁ヶ島沖   | 1,453 | 2,030 | 1,612 | 1,174  | 1,209 | 1,483 | 1,473 | 2,242 | 1,355  | 1,479 |
| 玉湯布志名岸 | 1,821 | 2,290 | 799   | 2,445  | 3,657 | 1,144 | 1,687 | 3,201 | 3,364  | 3,748 |
| 玉湯布志名沖 | 2,995 | 1,967 | 1,560 | 3,292  | 2,275 | 3,250 | 2,218 | 4,589 | 5,063  | 1,723 |
| 来待岸    | 1,228 | 1,788 | 2,089 | 1,645  | 1,856 | 1,968 | 2,260 | 1,218 | 1,792  | 649   |
| 来待沖    | 947   | 1,293 | 718   | 1,974  | 1,235 | 1,777 | 1,146 | 1,530 | 1,075  | 912   |
| 空港滑走路南 | -     | 550   | 2,331 | 5,662  | 3,104 | 4,893 | 5,918 | 5,704 | 2,160  | 4,291 |
| 斐伊川河口  | 954   | 2,228 | 2,359 | 681    | 2,209 | 1,220 | 1,631 | 4,089 | 1,569  | 1,929 |
| 平田一畑口岸 | 936   | 1,499 | 2,286 | 3,239  | 2,102 | 1,530 | 4,322 | 2,461 | 2,995  | 2,831 |
| 平田一畑口沖 | 1,077 | 751   | 614   | 350    | 264   | 1,557 | 1,571 | 551   | 647    | 612   |
| 秋鹿岸    | 2,539 | 1,562 | 2,014 | 1,288  | 1,606 | 1,014 | 1,322 | 1,790 | 2,274  | 1,606 |
| 秋鹿沖    | 1,315 | 1,879 | 2,219 | 2,496  | 2,188 | 3,951 | 2,481 | 2,391 | 1,967  | 1,407 |
| 佐陀川岸   | 975   | 1,016 | 2,351 | 2,676  | 1,813 | 2,592 | 1,837 | 3,493 | 2,688  | 2,271 |
| 佐陀川沖   | 1,586 | 1,642 | 1,113 | 906    | 1,030 | 1,823 | 1,517 | 1,601 | 1,705  | 809   |
| Ave    | 2,019 | 1,933 | 2,198 | 2,707  | 2,364 | 2,544 | 2,597 | 3,041 | 2,734  | 2,296 |

口開け個数 個/m<sup>2</sup>

| St 名   | 5/26 | 6/7 | 6/24 | 7/7 | 7/22 | 8/3 | 8/23 | 9/13 | 9/29 | 11/17 |
|--------|------|-----|------|-----|------|-----|------|------|------|-------|
| 中央水産前  | 13   | 0   | 10   | 40  | 10   | 10  | 0    | 30   | 20   | 10    |
| 美術館前   | 10   | 5   | 20   | 5   | 0    | 0   | 20   | 0    | 3    | 5     |
| 嫁ヶ島沖   | 12   | 15  | 0    | 5   | 20   | 0   | 5    | 7    | 0    | 0     |
| 玉湯布志名岸 | 5    | 5   | 50   | 5   | 10   | 4   | 10   | 0    | 0    | 0     |
| 玉湯布志名沖 | 0    | 0   | 4    | 5   | 0    | 4   | 5    | 10   | 0    | 5     |
| 来待岸    | 0    | 0   | 20   | 0   | 0    | 5   | 25   | 0    | 3    | 0     |
| 来待沖    | 0    | 15  | 0    | 5   | 0    | 4   | 4    | 0    | 0    | 4     |
| 空港滑走路南 | -    | 3   | 0    | 10  | 0    | 10  | 5    | 20   | 0    | 5     |
| 斐伊川河口  | 8    | 15  | 0    | 4   | 4    | 0   | 0    | 5    | 0    | 0     |
| 平田一畑口岸 | 0    | 0   | 0    | 0   | 0    | 0   | 15   | 0    | 0    | 0     |
| 平田一畑口沖 | 0    | 0   | 0    | 0   | 0    | 4   | 0    | 0    | 0    | 0     |
| 秋鹿岸    | 0    | 5   | 0    | 5   | 0    | 8   | 0    | 10   | 0    | 4     |
| 秋鹿沖    | 4    | 0   | 5    | 5   | 0    | 5   | 10   | 10   | 3    | 0     |
| 佐陀川岸   | 0    | 10  | 5    | 0   | 5    | 0   | 5    | 0    | 0    | 4     |
| 佐陀川沖   | 0    | 0   | 4    | 4   | 0    | 0   | 8    | 4    | 0    | 0     |
| Ave    | 4    | 5   | 8    | 6   | 3    | 4   | 7    | 6    | 2    | 2     |

付表 シジミへい死要因調査に係る生息状況調査観測資料

ガボ個数 /m<sup>2</sup>

| St 名   | 5/26 | 6/7 | 6/24 | 7/7 | 7/22 | 8/3 | 8/23  | 9/13 | 9/29 | 11/17 |
|--------|------|-----|------|-----|------|-----|-------|------|------|-------|
| 中央水産前  | 200  | 755 | 430  | 270 | 290  | 510 | 1,060 | 410  | 550  | 530   |
| 美術館前   | 45   | 10  | 25   | 10  | 45   | 36  | 45    | 53   | 30   | 20    |
| 嫁ヶ島沖   | 184  | 60  | 135  | 80  | 40   | 48  | 75    | 17   | 20   | 47    |
| 玉湯布志名岸 | 35   | 45  | 87   | 50  | 35   | 24  | 55    | 25   | 50   | 60    |
| 玉湯布志名沖 | 50   | 165 | 76   | 60  | 60   | 80  | 65    | 95   | 870  | 70    |
| 来待岸    | 30   | 60  | 90   | 50  | 90   | 65  | 145   | 87   | 83   | 100   |
| 来待沖    | 5    | 90  | 10   | 80  | 25   | 72  | 116   | 73   | 87   | 12    |
| 空港滑走路南 | -    | 43  | 80   | 160 | 90   | 55  | 40    | 40   | 100  | 5     |
| 斐伊川河口  | 56   | 20  | 120  | 56  | 88   | 72  | 90    | 20   | 70   | 70    |
| 平田一畑口岸 | 124  | 520 | 670  | 175 | 436  | 796 | 50    | 25   | 90   | 80    |
| 平田一畑口沖 | 64   | 145 | 204  | 267 | 490  | 324 | 52    | 43   | 23   | 0     |
| 秋鹿岸    | 48   | 20  | 160  | 125 | 155  | 136 | 144   | 55   | 20   | 20    |
| 秋鹿沖    | 128  | 145 | 85   | 185 | 185  | 70  | 225   | 13   | 13   | 40    |
| 佐陀川岸   | 72   | 70  | 155  | 285 | 100  | 125 | 20    | 120  | 120  | 124   |
| 佐陀川沖   | 32   | 30  | 88   | 152 | 80   | 36  | 80    | 32   | 172  | 216   |
| Ave    | 77   | 145 | 161  | 134 | 147  | 163 | 151   | 74   | 153  | 93    |

2枚殻 /m<sup>2</sup>

| St 名   | 5/26 | 6/7 | 6/24 | 7/7 | 7/22 | 8/3 | 8/23 | 9/13 | 9/29 | 11/17 |
|--------|------|-----|------|-----|------|-----|------|------|------|-------|
| 中央水産前  | 220  | 95  | 90   | 110 | 290  | 230 | 260  | 90   | 90   | 270   |
| 美術館前   | 85   | 5   | 30   | 0   | 20   | 16  | 30   | 10   | 43   | 55    |
| 嫁ヶ島沖   | 20   | 5   | 30   | 0   | 40   | 20  | 75   | 13   | 10   | 93    |
| 玉湯布志名岸 | 5    | 5   | 227  | 10  | 10   | 4   | 35   | 40   | 30   | 40    |
| 玉湯布志名沖 | 50   | 85  | 28   | 15  | 20   | 20  | 110  | 45   | 165  | 10    |
| 来待岸    | 25   | 25  | 205  | 160 | 95   | 20  | 345  | 83   | 43   | 180   |
| 来待沖    | 5    | 10  | 15   | 330 | 95   | 72  | 40   | 60   | 20   | 8     |
| 空港滑走路南 | -    | 10  | 210  | 155 | 115  | 30  | 5    | 20   | 90   | 15    |
| 斐伊川河口  | 144  | 155 | 145  | 16  | 12   | 20  | 15   | 25   | 5    | 25    |
| 平田一畑口岸 | 92   | 205 | 0    | 20  | 8    | 12  | 0    | 5    | 0    | 0     |
| 平田一畑口沖 | 4    | 35  | 8    | 3   | 43   | 36  | 16   | 0    | 3    | 3     |
| 秋鹿岸    | 52   | 140 | 195  | 100 | 70   | 20  | 28   | 10   | 10   | 84    |
| 秋鹿沖    | 0    | 80  | 165  | 140 | 15   | 35  | 35   | 10   | 13   | 4     |
| 佐陀川岸   | 64   | 65  | 40   | 30  | 130  | 55  | 40   | 40   | 15   | 60    |
| 佐陀川沖   | 44   | 45  | 28   | 16  | 32   | 8   | 20   | 8    | 24   | 48    |
| Ave    | 58   | 64  | 94   | 74  | 66   | 40  | 70   | 31   | 37   | 60    |

生貝率 %

| St 名   | 5/26 | 6/7 | 6/24 | 7/7 | 7/22 | 8/3 | 8/23 | 9/13 | 9/29 | 11/17 |
|--------|------|-----|------|-----|------|-----|------|------|------|-------|
| 中央水産前  | 95   | 90  | 94   | 96  | 93   | 86  | 85   | 93   | 94   | 90    |
| 美術館前   | 91   | 98  | 95   | 99  | 94   | 97  | 94   | 94   | 95   | 91    |
| 嫁ヶ島沖   | 83   | 95  | 90   | 91  | 91   | 95  | 88   | 98   | 98   | 85    |
| 玉湯布志名岸 | 96   | 97  | 70   | 97  | 98   | 97  | 94   | 97   | 97   | 97    |
| 玉湯布志名沖 | 95   | 86  | 94   | 97  | 96   | 97  | 93   | 97   | 83   | 96    |
| 来待岸    | 94   | 94  | 82   | 85  | 87   | 94  | 77   | 85   | 92   | 66    |
| 来待沖    | 99   | 89  | 96   | 80  | 90   | 91  | 88   | 92   | 91   | 97    |
| 空港滑走路南 | -    | 88  | 86   | 89  | 91   | 97  | 98   | 98   | 86   | 99    |
| 斐伊川河口  | 82   | 92  | 85   | 85  | 93   | 89  | 91   | 98   | 85   | 92    |
| 平田一畑口岸 | 70   | 47  | 48   | 81  | 61   | 40  | 97   | 97   | 95   | 95    |
| 平田一畑口沖 | 86   | 67  | 63   | 26  | 18   | 75  | 93   | 88   | 93   | 99    |
| 秋鹿岸    | 95   | 87  | 84   | 81  | 84   | 82  | 85   | 94   | 98   | 92    |
| 秋鹿沖    | 89   | 86  | 88   | 87  | 90   | 96  | 87   | 98   | 98   | 96    |
| 佐陀川岸   | 87   | 86  | 91   | 89  | 86   | 92  | 96   | 95   | 93   | 90    |
| 佐陀川沖   | 95   | 96  | 89   | 83  | 89   | 97  | 92   | 97   | 84   | 70    |
| Ave    | 90   | 86  | 84   | 84  | 84   | 88  | 91   | 95   | 92   | 90    |

付表 シジミへい死要因調査に係る生息状況調査観測資料

| St 名   | 5/26  | 6/7   | 6/24  | 7/7   | 7/22  | 8/3   | 8/23  | 9/13  | 9/29  | 11/17 |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 中央水産前  | 1,740 | 4,351 | 1,812 | 1,951 | 1,265 | 3,126 | 3,772 | 2,016 | 2,801 | 1,656 |
| 美術館前   | 1,879 | 2,047 | 1,705 | 1,120 | 3,096 | 2,982 | 1,668 | 2,907 | 1,293 | 1,051 |
| 嫁ヶ島沖   | 3,837 | 3,610 | 2,620 | 2,941 | 2,991 | 3,560 | 3,360 | 3,258 | 3,290 | 2,704 |
| 玉湯布志名岸 | 999   | 1,221 | 1,118 | 908   | 939   | 1,519 | 1,695 | 1,800 | 1,030 | 935   |
| 玉湯布志名沖 | 1,587 | 3,607 | 1,441 | 1,304 | 1,076 | 1,820 | 1,059 | 1,130 | 6,208 | 1,173 |
| 来待岸    | 1,103 | 1,646 | 1,022 | 1,495 | 1,633 | 1,355 | 2,035 | 2,071 | 1,088 | 1,671 |
| 来待沖    | 657   | 1,461 | 659   | 1,466 | 1,102 | 1,311 | 1,160 | 1,198 | 799   | 1,055 |
| 空港滑走路南 | -     | 1,130 | 559   | 1,472 | 637   | 715   | 516   | 480   | 1,213 | 312   |
| 斐伊川河口  | 789   | 386   | 524   | 1,278 | 679   | 1,129 | 785   | 566   | 1,345 | 507   |
| 平田一畑口岸 | 2,941 | 4,584 | 5,877 | 2,392 | 5,652 | 7,475 | 2,208 | 1,763 | 1,870 | 2,026 |
| 平田一畑口沖 | 1,409 | 2,054 | 2,275 | 2,592 | 3,801 | 2,582 | 2,228 | 1,700 | 831   | 990   |
| 秋鹿岸    | 1,620 | 1,890 | 1,548 | 1,868 | 1,654 | 2,146 | 1,367 | 1,326 | 1,607 | 1,352 |
| 秋鹿沖    | 1,340 | 3,343 | 2,057 | 2,577 | 1,918 | 1,146 | 3,577 | 937   | 1,066 | 1,570 |
| 佐陀川岸   | 1,711 | 1,843 | 2,803 | 2,920 | 3,342 | 2,282 | 2,122 | 2,013 | 2,452 | 2,535 |
| 佐陀川沖   | 2,344 | 1,670 | 1,416 | 2,067 | 1,643 | 1,611 | 2,171 | 1,146 | 2,646 | 1,854 |
| Ave    | 1,711 | 2,323 | 1,829 | 1,890 | 2,095 | 2,317 | 1,981 | 1,621 | 1,969 | 1,426 |

付表 シジミへい死要因調査に係る軟体部指数調査結果

| 調査地点名   | 5/26 | 6/7 | 6/24 | 7/7 | 7/22 | 8/3 | 8/23 | 9/13 | 9/29 | 11/17 |
|---------|------|-----|------|-----|------|-----|------|------|------|-------|
| 中央水産前   | 26   | 28  | 25   | 24  | 21   | 23  | 18   | 17   | 18   | 19    |
| 美術館前    | 24   | 24  | 22   | 20  | 19   | 19  | 16   | 15   | 16   | 20    |
| 嫁ヶ島沖    | 23   | 24  | 22   | 19  | 20   | 17  | 18   | 14   | 14   | 19    |
| 玉湯町布志名岸 | 24   | 24  | 21   | 24  | 19   | 20  | 18   | 18   | 18   | 19    |
| 玉湯町布志名沖 | 26   | 29  | 25   | 21  | 21   | 21  | 17   | 17   | 17   | 19    |
| 来待岸     | 23   | 25  | 25   | 22  | 20   | 20  | 18   | 18   | 18   | 21    |
| 来待沖     | 20   | 22  | 21   | 26  | 18   | 21  | 17   | 17   | 17   | 22    |
| 空港滑走路南  | -    | 26  | 26   | 26  | 22   | 21  | 17   | 17   | 19   | 21    |
| 斐伊川河口   | 21   | 28  | 26   | 24  | 21   | 20  | 17   | 17   | 18   | 20    |
| 平田市岸    | 28   | 26  | 28   | 24  | 22   | 19  | 19   | 19   | 18   | 19    |
| 平田市沖    | 28   | 27  | 24   | 23  | 24   | 18  | 16   | 18   | 17   | 17    |
| 秋鹿岸     | 27   | 23  | 25   | 23  | 21   | 20  | 18   | 17   | 17   | 17    |
| 秋鹿沖     | 25   | 28  | 27   | 20  | 21   | 17  | 18   | 18   | 19   | 19    |
| 佐陀川岸    | 25   | 25  | 26   | 22  | 21   | 19  | 18   | 16   | 18   | 19    |
| 佐陀川沖    | 26   | 26  | 23   | 20  | 20   | 18  | 16   | 16   | 17   | 17    |

$$\text{軟体部指数} = (\text{軟体部湿重量} \div (\text{軟体部湿重量} + \text{貝殻重量})) \times 100$$

付表 シジミへい死要因調査 健康度判定に係る体液有機酸変化

単位 ; nmol/body fluid 1ml

## コハク酸

|        | 5/26    | 6/7     | 6/24    | 7/7      | 7/22    | 8/3      | 8/23    | 9/13    | 9/29    | 11/17    |
|--------|---------|---------|---------|----------|---------|----------|---------|---------|---------|----------|
| 中央水産平均 | 1,355.6 | 568.4   | 78.8    | 138.9    | 7,252.6 | 164.2    | 5,551.6 | 3,277.5 | 3,500.6 | 1,175.1  |
| 美術館前平均 | 5,268.6 | 2,832.8 | 49.5    | 1,451.2  | 9,303.6 | 2,457.1  | 4,818.9 | 794.9   | 3,633.8 | 346.4    |
| 嫁ヶ島平均  | 3,340.8 | 5,485.2 | 220.5   | 1,262.6  | 1,440.6 | 1,662.4  | 3,685.4 | 44.7    | 3,497.1 | 772.2    |
| 布志名岸平均 | 6,373.4 | 2,007.8 | 506.6   | 449.7    | 6,265.6 | 2,583.6  | 4,372.0 | 174.1   | 2,319.8 | 397.5    |
| 布志名沖平均 | 2,886.5 | 6,952.5 | 4,938.6 | 1,212.7  | 6,663.5 | 5,806.7  | 1,747.4 | 4,839.3 | 2,020.5 | 96.8     |
| 来待岸平均  | 4,432.9 | 4,620.3 | 480.9   | 142.0    | 6,027.8 | 1,178.2  | 5,717.8 | 2,291.8 | 1,596.4 | 813.7    |
| 来待沖平均  | 5,435.8 | 928.2   | 727.5   | 449.9    | 8,074.2 | 3,704.6  | 4,786.6 | 716.9   | 2,086.8 | 469.7    |
| 空港南平均  |         | 2,188.5 | 6,739.5 | 3,095.8  | 5,014.3 | 5,014.3  | 5,827.5 | 3,877.8 | 221.1   | 1,958.0  |
| 斐伊川平均  | 6,081.2 | 1,265.3 | 4,018.2 | 10,381.7 | 2,976.2 | 7,490.1  | 624.1   | 3,162.3 | 113.1   | 56.8     |
| 平田岸平均  | 662.7   | 220.3   | 2,443.9 | 6,093.6  | 3,871.7 | 10,301.5 | 99.7    | 1,864.3 | 52.1    | 336.1    |
| 平田沖平均  | 366.6   | 116.4   | 5,432.3 | 1,911.4  | 3,410.3 | 5,046.5  | 549.6   | 2,998.0 | 68.8    | 728.9    |
| 秋鹿岸平均  | 362.9   | 3,861.8 | 110.0   | 3,012.0  | 2,931.4 | 1,450.1  | 4,085.7 | 797.8   | 2,210.7 | 742.3    |
| 秋鹿沖平均  | 374.9   | 2,494.4 | 60.0    | 4,104.4  | 2,932.3 | 4,833.0  | 3,636.9 | 776.7   | 4,231.0 | 26,207.8 |
| 佐陀川岸平均 | 200.7   | 3,411.1 | 1,092.9 | 4,641.1  | 5,137.5 | 5,184.7  | 4,200.6 | 2,281.0 | 6,540.8 | 1,607.0  |
| 佐陀川沖平均 | 6,207.3 | 3,241.2 | 213.3   | 2,256.0  | 4,052.0 | 5,731.4  | 1,833.0 | 290.9   | 2,238.0 | 625.1    |
| Ave    | 3,096.4 | 2,679.6 | 1,807.5 | 2,706.9  | 5,023.6 | 4,173.9  | 3,435.8 | 1,879.2 | 2,288.7 | 2,422.2  |

## プロピオン酸

|        | 5/26 | 6/7  | 6/24 | 7/7 | 7/22 | 8/3  | 8/23 | 9/13 | 9/29 | 11/17 |
|--------|------|------|------|-----|------|------|------|------|------|-------|
| 中央水産平均 | 0.0  | 0.0  | 0.0  | 0.0 | 28.7 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0   |
| 美術館前平均 | 0.0  | 0.0  | 0.0  | 0.0 | 36.9 | 0.0  | 0.0  | 4.6  | 0.0  | 0.0   |
| 嫁ヶ島平均  | 0.0  | 6.7  | 0.0  | 0.0 | 48.5 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0   |
| 布志名岸平均 | 0.0  | 0.0  | 0.0  | 0.0 | 19.1 | 22.5 | 0.0  | 0.0  | 0.0  | 0.0   |
| 布志名沖平均 | 0.0  | 0.0  | 0.0  | 0.0 | 19.7 | 25.9 | 0.0  | 0.0  | 0.0  | 0.0   |
| 来待岸平均  | 0.0  | 0.0  | 0.0  | 0.0 | 27.8 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0   |
| 来待沖平均  | 0.0  | 0.0  | 0.0  | 0.0 | 45.5 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0   |
| 空港南平均  |      | 0.0  | 0.0  | 0.0 | 38.7 | 38.7 | 0.0  | 0.0  | 0.0  | 0.0   |
| 斐伊川平均  | 0.0  | 0.0  | 0.0  | 0.0 | 34.6 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0   |
| 平田岸平均  | 0.0  | 0.0  | 0.0  | 0.0 | 40.4 | 0.0  | 0.0  | 2.6  | 0.0  | 0.0   |
| 平田沖平均  | 0.0  | 19.7 | 0.0  | 0.0 | 35.8 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0   |
| 秋鹿岸平均  | 0.0  | 0.0  | 0.0  | 0.0 | 26.8 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0   |
| 秋鹿沖平均  | 2.8  | 0.0  | 0.0  | 0.0 | 14.9 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0   |
| 佐陀川岸平均 | 0.0  | 0.0  | 0.0  | 0.0 | 30.1 | 4.5  | 0.0  | 5.0  | 0.0  | 0.0   |
| 佐陀川沖平均 | 0.0  | 0.0  | 0.0  | 0.0 | 34.5 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0   |
| Ave    | 0.2  | 1.8  | 0.0  | 0.0 | 32.1 | 6.1  | 0.0  | 0.8  | 0.0  | 0.0   |

## 乳酸

|        | 5/26  | 6/7   | 6/24  | 7/7     | 7/22 | 8/3   | 8/23  | 9/13  | 9/29 | 11/17 |
|--------|-------|-------|-------|---------|------|-------|-------|-------|------|-------|
| 中央水産平均 | 77.3  | 65.1  | 34.4  | 274.0   | 67.9 | 49.5  | 163.1 | 165.0 | 40.2 | 71.3  |
| 美術館前平均 | 80.6  | 40.3  | 55.4  | 435.5   | 51.4 | 115.0 | 207.6 | 93.4  | 28.5 | 69.4  |
| 嫁ヶ島平均  | 92.3  | 65.8  | 42.4  | 323.1   | 42.5 | 58.1  | 130.1 | 54.1  | 46.7 | 51.9  |
| 布志名岸平均 | 142.7 | 152.3 | 41.7  | 293.6   | 59.4 | 57.2  | 211.5 | 37.1  | 68.9 | 95.4  |
| 布志名沖平均 | 259.2 | 68.3  | 66.4  | 217.1   | 51.5 | 94.2  | 127.7 | 59.0  | 48.0 | 130.0 |
| 来待岸平均  | 143.7 | 185.6 | 78.8  | 312.0   | 25.9 | 50.2  | 441.3 | 55.0  | 43.7 | 324.4 |
| 来待沖平均  | 133.7 | 45.9  | 43.3  | 1,055.0 | 63.3 | 114.1 | 325.2 | 105.5 | 41.3 | 218.5 |
| 空港南平均  |       | 46.1  | 141.7 | 188.6   | 52.5 | 52.5  | 270.6 | 30.9  | 46.6 | 66.6  |
| 斐伊川平均  | 55.7  | 165.9 | 76.9  | 655.9   | 54.4 | 224.7 | 287.2 | 57.8  | 63.8 | 38.7  |
| 平田岸平均  | 102.0 | 88.1  | 70.0  | 2,229.5 | 67.0 | 114.1 | 366.0 | 91.5  | 29.6 | 420.2 |
| 平田沖平均  | 38.9  | 101.3 | 56.7  | 999.6   | 77.9 | 121.2 | 428.4 | 40.5  | 55.7 | 683.4 |
| 秋鹿岸平均  | 117.9 | 84.7  | 73.7  | 811.8   | 65.3 | 94.9  | 245.0 | 76.5  | 42.3 | 214.7 |
| 秋鹿沖平均  | 54.6  | 56.0  | 82.4  | 524.3   | 82.3 | 118.7 | 187.7 | 72.6  | 32.9 | 384.7 |
| 佐陀川岸平均 | 83.3  | 95.4  | 46.0  | 216.0   | 88.7 | 65.1  | 111.2 | 111.2 | 34.8 | 233.9 |
| 佐陀川沖平均 | 279.7 | 140.8 | 30.7  | 1,065.0 | 70.9 | 167.9 | 243.2 | 80.7  | 64.6 | 116.8 |
| Ave    | 118.7 | 93.4  | 62.7  | 640.1   | 61.4 | 99.8  | 249.7 | 75.4  | 45.8 | 208.0 |

単位 ; nmol/body fluid 1ml

ギ酸

|        | 5/26    | 6/7     | 6/24    | 7/7     | 7/22  | 8/3   | 8/23  | 9/13  | 9/29  | 11/17   |
|--------|---------|---------|---------|---------|-------|-------|-------|-------|-------|---------|
| 中央水産平均 | 864.4   | 407.8   | 1,152.2 | 1,196.3 | 499.9 | 759.3 | 188.3 | 434.5 | 337.1 | 404.3   |
| 美術館前平均 | 706.9   | 1,598.9 | 1,186.7 | 1,193.5 | 712.2 | 527.8 | 275.1 | 776.3 | 451.8 | 870.7   |
| 嫁ヶ島平均  | 891.0   | 1,977.0 | 1,180.6 | 1,345.7 | 729.9 | 606.7 | 214.5 | 571.4 | 705.0 | 2,086.6 |
| 布志名岸平均 | 586.6   | 1,364.4 | 1,176.4 | 1,140.2 | 755.0 | 483.5 | 251.5 | 577.7 | 420.5 | 321.3   |
| 布志名沖平均 | 1,360.8 | 1,940.7 | 1,398.4 | 1,190.1 | 385.0 | 608.0 | 176.7 | 347.5 | 510.8 | 621.9   |
| 来待岸平均  | 614.8   | 3,707.1 | 1,266.5 | 1,068.7 | 374.7 | 377.2 | 261.0 | 486.2 | 320.5 | 1,158.7 |
| 来待沖平均  | 1,024.5 | 4,189.5 | 1,187.8 | 1,098.4 | 505.2 | 510.2 | 251.4 | 338.8 | 382.8 | 1,274.3 |
| 空港南平均  | 808.3   | 3,525.2 | 1,455.5 | 1,702.6 | 816.4 | 723.2 | 256.6 | 872.5 | 285.1 | 1,471.8 |
| 斐伊川平均  |         | 2,243.9 | 1,754.7 | 1,096.1 | 680.0 | 680.0 | 545.9 | 600.2 | 791.7 | 523.6   |
| 平田岸平均  | 909.6   | 5,967.7 | 1,513.3 | 1,141.6 | 764.1 | 631.6 | 785.1 | 641.9 | 611.1 | 586.7   |
| 平田沖平均  | 1,258.1 | 2,172.2 | 1,080.9 | 1,076.5 | 748.1 | 543.3 | 177.0 | 470.1 | 333.8 | 1,455.0 |
| 秋鹿岸平均  | 817.4   | 3,726.1 | 1,099.6 | 1,008.3 | 843.5 | 310.4 | 290.1 | 603.5 | 743.9 | 1,365.3 |
| 秋鹿沖平均  | 812.3   | 2,074.8 | 1,343.4 | 1,097.5 | 812.2 | 744.2 | 171.8 | 747.4 | 392.6 | 1,832.2 |
| 佐陀川岸平均 | 644.3   | 2,487.2 | 1,471.8 | 1,112.0 | 517.1 | 619.8 | 154.8 | 648.3 | 348.7 | 1,448.7 |
| 佐陀川沖平均 | 896.6   | 1,478.3 | 1,380.3 | 1,057.8 | 623.0 | 477.6 | 219.0 | 723.5 | 278.6 | 664.2   |
| Ave    | 871.1   | 2,590.7 | 1,309.9 | 1,168.4 | 651.1 | 573.5 | 281.3 | 589.3 | 460.9 | 1,072.4 |

酢酸

|        | 5/26    | 6/7     | 6/24    | 7/7     | 7/22    | 8/3     | 8/23    | 9/13    | 9/29    | 11/17   |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 中央水産平均 | 3,453.6 | 1,021.6 | 2,832.2 | 2,612.9 | 2,366.7 | 2,435.8 | 622.5   | 1,208.6 | 1,044.5 | 1,143.3 |
| 美術館前平均 | 2,903.4 | 3,189.7 | 2,666.5 | 2,800.0 | 3,333.9 | 1,646.6 | 899.5   | 2,406.6 | 1,606.3 | 2,675.9 |
| 嫁ヶ島平均  | 2,401.6 | 3,304.8 | 2,729.9 | 2,534.8 | 3,537.8 | 1,507.2 | 808.3   | 1,939.7 | 1,389.6 | 971.7   |
| 布志名岸平均 | 5,690.7 | 4,863.2 | 3,088.8 | 2,696.0 | 1,780.9 | 2,000.2 | 589.5   | 1,092.0 | 1,584.6 | 2,199.4 |
| 布志名沖平均 | 2,413.8 | 5,687.1 | 2,783.5 | 2,774.2 | 1,771.4 | 1,221.8 | 981.2   | 1,623.9 | 996.9   | 3,585.3 |
| 来待岸平均  | 4,113.5 | 5,276.0 | 2,686.5 | 2,920.8 | 2,388.0 | 1,626.4 | 805.2   | 1,207.0 | 1,189.7 | 4,866.4 |
| 来待沖平均  | 3,291.1 | 5,433.0 | 3,480.9 | 1,700.5 | 3,900.9 | 2,416.2 | 820.2   | 2,547.4 | 959.7   | 5,078.5 |
| 空港南平均  |         | 3,784.9 | 3,812.9 | 2,810.7 | 2,983.3 | 2,983.3 | 1,630.1 | 1,870.0 | 2,351.2 | 1,369.8 |
| 斐伊川平均  | 3,647.1 | 8,846.7 | 3,957.6 | 2,895.4 | 3,610.5 | 2,020.1 | 2,848.9 | 2,010.8 | 2,089.6 | 854.1   |
| 平田岸平均  | 5,225.0 | 5,446.1 | 2,777.0 | 2,825.7 | 3,516.0 | 1,657.2 | 597.8   | 1,544.7 | 1,089.3 | 4,598.3 |
| 平田沖平均  | 3,356.0 | 7,430.2 | 2,834.2 | 2,678.2 | 4,061.1 | 1,074.8 | 928.5   | 1,963.5 | 2,364.5 | 4,143.1 |
| 秋鹿岸平均  | 3,317.1 | 5,393.9 | 2,905.6 | 2,803.0 | 3,943.7 | 2,440.8 | 577.7   | 2,373.7 | 1,297.6 | 6,790.0 |
| 秋鹿沖平均  | 2,507.5 | 5,599.1 | 3,483.1 | 2,783.0 | 2,417.6 | 2,038.5 | 517.1   | 2,021.7 | 1,168.7 | 5,984.5 |
| 佐陀川岸平均 | 3,708.4 | 4,442.0 | 3,117.3 | 2,835.5 | 2,950.7 | 1,621.5 | 710.4   | 2,377.3 | 892.3   | 2,071.6 |
| 佐陀川沖平均 | 3,684.8 | 6,327.9 | 2,792.4 | 3,477.2 | 3,605.5 | 1,986.0 | 697.6   | 2,022.8 | 2,354.8 | 6,397.7 |
| Ave    | 3,551.0 | 5,069.7 | 3,063.2 | 2,743.2 | 3,077.9 | 1,911.8 | 935.6   | 1,880.6 | 1,492.0 | 3,515.3 |

ヒロゲルタン酸

|        | 5/26  | 6/7   | 6/24  | 7/7   | 7/22 | 8/3   | 8/23  | 9/13  | 9/29  | 11/17 |
|--------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|
| 中央水産平均 | 70.2  | 5.0   | 91.6  | 127.9 | 33.6 | 142.3 | 78.9  | 53.3  | 56.0  | 46.0  |
| 美術館前平均 | 32.3  | 21.5  | 134.3 | 123.5 | 22.5 | 129.6 | 117.2 | 47.3  | 51.5  | 40.2  |
| 嫁ヶ島平均  | 74.3  | 20.3  | 70.7  | 174.7 | 65.8 | 34.8  | 73.9  | 53.2  | 52.6  | 46.0  |
| 布志名岸平均 | 41.3  | 25.0  | 61.3  | 56.0  | 31.3 | 0.0   | 70.2  | 83.2  | 86.8  | 67.4  |
| 布志名沖平均 | 169.8 | 0.0   | 27.0  | 42.0  | 27.5 | 0.0   | 74.6  | 37.4  | 59.6  | 80.0  |
| 来待岸平均  | 45.5  | 0.0   | 26.1  | 96.7  | 45.5 | 96.6  | 148.7 | 32.6  | 53.6  | 67.9  |
| 来待沖平均  | 46.2  | 48.4  | 46.1  | 40.7  | 30.9 | 48.2  | 113.9 | 119.7 | 51.9  | 54.8  |
| 空港南平均  |       | 31.3  | 0.0   | 15.8  | 47.6 | 47.6  | 81.6  | 27.0  | 100.5 | 15.8  |
| 斐伊川平均  | 11.0  | 23.1  | 11.7  | 62.7  | 84.1 | 37.3  | 89.3  | 41.6  | 98.0  | 21.5  |
| 平田岸平均  | 14.1  | 84.9  | 68.8  | 228.2 | 40.5 | 20.3  | 148.9 | 35.9  | 97.0  | 101.8 |
| 平田沖平均  | 19.6  | 123.4 | 26.6  | 132.5 | 15.5 | 42.4  | 163.1 | 52.6  | 164.1 | 123.9 |
| 秋鹿岸平均  | 68.2  | 13.6  | 57.1  | 128.1 | 28.2 | 32.1  | 88.1  | 66.8  | 51.3  | 33.1  |
| 秋鹿沖平均  | 42.2  | 24.9  | 54.8  | 75.1  | 27.5 | 26.3  | 74.3  | 81.4  | 65.1  | 52.0  |
| 佐陀川岸平均 | 51.6  | 27.4  | 52.1  | 87.8  | 44.4 | 38.7  | 81.2  | 60.2  | 40.7  | 40.0  |
| 佐陀川沖平均 | 155.5 | 80.3  | 74.7  | 172.2 | 54.0 | 36.1  | 174.2 | 96.9  | 133.5 | 27.7  |
| Ave    | 60.1  | 35.3  | 53.5  | 104.3 | 39.9 | 48.8  | 105.2 | 59.3  | 77.5  | 54.5  |