

平成 4 年度研究業績一覧

1 当場が発刊した刊行物

- 徳島県水産試験場.....平成 4 年度農林水産関係バイオテクノロジー推進協議会・水産分科会議事要録,
1993.3.
- 徳島県水産試験場.....平成 4 年度赤潮貝毒監視事業報告書(赤潮調査),1993.3.
- 徳島県水産試験場.....平成 4 年度赤潮貝毒監視事業報告書(赤潮調査資料),1993.3.

2 他の機関に投稿または共同で発刊した刊行物

- 徳島県.....徳島県資源管理指針(牟岐地区海土漁業とアワビ資源の現状と課題)1992.3.
- 神野剛.....平成 3 年度地域特産種増殖技術開発事業,魚類・甲殻グループ総合報告書,1992.4.
- 徳島県.....平成 3 年度有害赤潮の生態学的制御による被害防除技術の開発に関する研究報告,
1992.12.
- 石田陽司,山添喜教,小島博.....平成 3 年度放流技術開発事業報告書(ヒラメ班)瀬戸内海九州海域,
1993.3.
- 池脇義弘,楠本輝一,渡辺健一.....紀伊水道のシラスの食性,第 25 回南西海区ブロック内海漁業研究会
報告,1993.3.
- 石田陽司,小島博.....徳島県勝浦川河口におけるヒラメ放流(要旨),第 25 回南西海区ブロック内海漁
業研究会報告,1993.3.
- 石田陽司,小島博.....標識放流からみた徳島県海部郡沿岸におけるイセエビの移動,南西外海の資
源・海洋研究,第 9 巻,1993.3.
- 石田陽司,渡辺健一.....瀬戸内海東部域における回遊性魚類の資源生態調査,本州四国連絡架橋漁業
影響調査報告,第 61 号,1993.3.
- 徳島県.....平成 3 年度徳島県資源管理型漁業推進総合対策事業報告書(広域回遊資源),1993.3.
- 徳島県.....平成 3 年度徳島県資源管理型漁業推進総合対策事業報告書(地域重要資源),1993.3.
- 城泰彦・上田幸男,天真正勝一.....ブリ種苗放流技術開発事業,ブリ種苗放流技術開発調査平成 3 年度
報告,日本栽培漁業協会,協会研究資料,1993.3.
- 長江修身.....水温変動と定置網での漁獲について,南西海区ブロック海洋研究会報告,第 10 号,
1993.3.
- 徳島県.....平成 4 年度汽水域総合開発利用調査報告書,1993.3.
- 徳島県.....平成 4 年度赤潮貝毒監視事業報告書(貝毒調査),1993.3.
- 徳島県.....平成 4 年度赤潮対策技術開発試験,シャットネラ赤潮被害防技術開発試験,東部瀬戸内海シ
ャットネラ赤潮総合解析報告書,1993.3.

3 学術誌に投稿した研究発表

渡辺健一, 玉井恭一, 沼知健一.....紀伊水道および水道外海域におけるメイタガレイ属 2 型(ホンメイタとバケメイタ)の食性と分布, 日本水産学会誌, 1992.12.

渡辺健一.....日本産メイタガレイ 2 同胞種の遺伝学的, 生態学的, 形態学的分化に関する研究, 東京大学学位論文, 1993.3.

谷口和也, 小島博, 山田秀秋.....褐藻アラメの 1 歳個体における成長と成熟, 日水誌, 59(3), 441-444, 1993.3.

谷口和也, 小島博, 磯上孝太郎.....褐藻アラメの 5,6 歳個体の成長と成熟, 日水誌, 59(8), 1349-1353, 1993.8.

地域の定点観測による水温と比重（資料）

水産指導員による地域別定点観測を平成4年4月～平成5年3月の間の水温と比重を表に示す。

水温、比重の観測時刻は午前10時、比重は水温15の換算比重を示す。

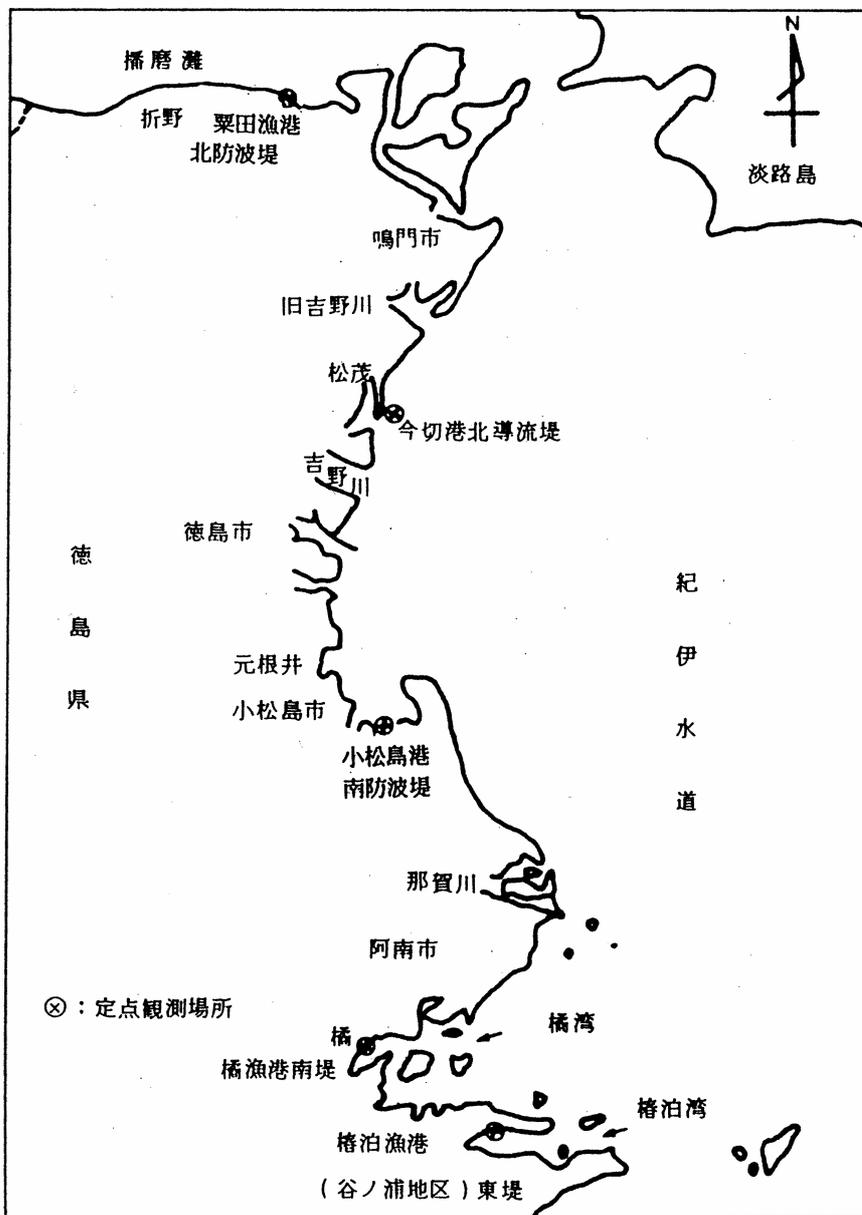


図1 水産指導員による定点観測地点図

観測場所 粟田漁港北防波堤

| 4月 | | | 5月 | | | 6月 | | | 7月 | | | 8月 | | | 9月 | | |
|-----|-------|-------|-----|-------|-------|-----|-------|-------|-----|-------|-------|-----|-------|-------|-----|-------|-------|
| 日 | 水温 | 比重 |
| 1 | | | 1 | 14.60 | 23.13 | 1 | 18.30 | 22.97 | 1 | 21.70 | 22.97 | 1 | | | 1 | 26.50 | 23.22 |
| 2 | | | 2 | | | 2 | | | 2 | 20.30 | 23.23 | 2 | | | 2 | 26.20 | 24.36 |
| 3 | | | 3 | | | 3 | 19.20 | 22.98 | 3 | 20.90 | 23.79 | 3 | 24.40 | 24.69 | 3 | 26.90 | 24.56 |
| 4 | | | 4 | | | 4 | 19.60 | 22.47 | 4 | | | 4 | | | 4 | 26.60 | 22.84 |
| 5 | | | 5 | | | 5 | 18.70 | 21.95 | 5 | | | 5 | 23.30 | 24.49 | 5 | | |
| 6 | 13.50 | 21.51 | 6 | 16.10 | 23.32 | 6 | | | 6 | 21.50 | 22.30 | 6 | 24.30 | 24.66 | 6 | | |
| 7 | 12.30 | 23.05 | 7 | 14.10 | 22.94 | 7 | | | 7 | | | 7 | 24.70 | 23.55 | 7 | 26.60 | 23.26 |
| 8 | 13.50 | 22.94 | 8 | 14.90 | 23.18 | 8 | 17.40 | 22.98 | 8 | 23.60 | 23.46 | 8 | | | 8 | | |
| 9 | 12.00 | 25.97 | 9 | | | 9 | 18.70 | 19.23 | 9 | 23.70 | 23.48 | 9 | | | 9 | 26.40 | 22.88 |
| 10 | 11.50 | 22.93 | 10 | | | 10 | | | 10 | 24.00 | 23.67 | 10 | 24.60 | 24.23 | 10 | 26.40 | 23.29 |
| 旬平均 | 12.56 | 23.28 | 旬平均 | 14.93 | 23.14 | 旬平均 | 18.65 | 22.10 | 旬平均 | 22.24 | 23.27 | 旬平均 | 24.26 | 24.32 | 旬平均 | 26.51 | 23.49 |
| 11 | | | 11 | 15.80 | 23.36 | 11 | 18.80 | 22.98 | 11 | | | 11 | | | 11 | 25.90 | 23.05 |
| 12 | | | 12 | 14.30 | 22.97 | 12 | 20.30 | 22.63 | 12 | | | 12 | 24.80 | 23.88 | 12 | | |
| 13 | 11.80 | 24.45 | 13 | 15.30 | 23.26 | 13 | | | 13 | 24.10 | 23.79 | 13 | 24.70 | 23.88 | 13 | | |
| 14 | 12.20 | 23.03 | 14 | | | 14 | | | 14 | | | 14 | | | 14 | 25.70 | 23.00 |
| 15 | | | 15 | 16.10 | 23.32 | 15 | 20.60 | 22.19 | 15 | 23.70 | 23.48 | 15 | | | 15 | | |
| 16 | 13.00 | 24.70 | 16 | | | 16 | | | 16 | 23.60 | 23.56 | 16 | | | 16 | | |
| 17 | 12.80 | 26.61 | 17 | | | 17 | 20.60 | 18.15 | 17 | 23.00 | 23.38 | 17 | 26.40 | 24.42 | 17 | 25.90 | 23.05 |
| 18 | | | 18 | 16.20 | 22.34 | 18 | 20.10 | 22.58 | 18 | | | 18 | | | 18 | 25.90 | 23.36 |
| 19 | | | 19 | 17.20 | 22.63 | 19 | 20.40 | 19.10 | 19 | | | 19 | 24.00 | 23.56 | 19 | | |
| 20 | 12.80 | 24.62 | 20 | 17.50 | 23.70 | 20 | | | 20 | 23.90 | 23.73 | 20 | 24.90 | 23.29 | 20 | | |
| 旬平均 | 12.52 | 24.68 | 旬平均 | 16.06 | 23.08 | 旬平均 | 20.13 | 21.27 | 旬平均 | 23.66 | 23.59 | 旬平均 | 24.96 | 23.81 | 旬平均 | 25.85 | 23.12 |
| 21 | | | 21 | | | 21 | | | 21 | | | 21 | 24.50 | 23.50 | 21 | 25.30 | 23.69 |
| 22 | 12.50 | 23.27 | 22 | 20.10 | 22.58 | 22 | 20.80 | 22.74 | 22 | 23.60 | 24.16 | 22 | | | 22 | | |
| 23 | 14.20 | 23.36 | 23 | | | 23 | | | 23 | 23.90 | 24.65 | 23 | | | 23 | | |
| 24 | 13.00 | 23.50 | 24 | | | 24 | 20.50 | 23.79 | 24 | 26.30 | 23.16 | 24 | 26.10 | 24.20 | 24 | 24.90 | 22.58 |
| 25 | | | 25 | 18.20 | 22.85 | 25 | 20.50 | 22.48 | 25 | | | 25 | | | 25 | 24.80 | 22.56 |
| 26 | | | 26 | 18.40 | 22.89 | 26 | 20.70 | 22.58 | 26 | | | 26 | 25.90 | 23.97 | 26 | | |
| 27 | 14.50 | 22.70 | 27 | 18.10 | 22.82 | 27 | | | 27 | 25.70 | 23.51 | 27 | 26.20 | 24.16 | 27 | | |
| 28 | 15.30 | 22.20 | 28 | | | 28 | | | 28 | | | 28 | 26.00 | 23.79 | 28 | 23.90 | 23.22 |
| 29 | | | 29 | 18.20 | 22.85 | 29 | 20.20 | 23.21 | 29 | 26.40 | 24.25 | 29 | | | 29 | | |
| 30 | 13.20 | 23.20 | 30 | | | 30 | | | 30 | 26.30 | 24.39 | 30 | | | 30 | 24.20 | 23.20 |
| 31 | | | 31 | | | 31 | | | 31 | 27.90 | 23.63 | 31 | 26.90 | | 31 | | |
| 旬平均 | 13.78 | 23.04 | 旬平均 | 18.60 | 22.80 | 旬平均 | 20.54 | 22.96 | 旬平均 | 25.73 | 23.96 | 旬平均 | 25.93 | 23.92 | 旬平均 | 24.62 | 23.05 |
| 月平均 | 13.01 | 23.63 | 月平均 | 16.57 | 23.01 | 月平均 | 19.73 | 22.06 | 月平均 | 23.90 | 23.61 | 月平均 | 25.11 | 24.02 | 月平均 | 25.76 | 23.26 |

観測場所 粟田漁港北防波堤

| 10月 | | | 11月 | | | 12月 | | | 1月 | | | 2月 | | | 3月 | | |
|-----|-------|-------|-----|-------|-------|-----|-------|-------|-----|-------|-------|-----|-------|-------|-----|-------|-------|
| 日 | 水温 | 比重 |
| 1 | 23.40 | 23.30 | 1 | | | 1 | 16.30 | 22.56 | 1 | | | 1 | 9.30 | 23.41 | 1 | 8.80 | 23.83 |
| 2 | 24.80 | 22.98 | 2 | 19.90 | 22.84 | 2 | 15.90 | 22.08 | 2 | | | 2 | 9.10 | 22.98 | 2 | 8.60 | 23.91 |
| 3 | | | 3 | | | 3 | 16.50 | 23.20 | 3 | | | 3 | 8.90 | 23.16 | 3 | 8.70 | 23.14 |
| 4 | | | 4 | 19.70 | 22.89 | 4 | 15.10 | 22.62 | 4 | 12.10 | 23.22 | 4 | 9.40 | 23.42 | 4 | 9.20 | 22.90 |
| 5 | 22.10 | | 5 | | | 5 | | | 5 | 11.30 | 22.70 | 5 | 9.80 | 23.47 | 5 | 9.80 | 23.76 |
| 6 | 22.80 | 22.64 | 6 | 19.90 | 22.44 | 6 | | | 6 | 12.30 | 23.24 | 6 | | | 6 | | |
| 7 | | | 7 | | | 7 | 16.30 | 22.36 | 7 | | | 7 | | | 7 | | |
| 8 | 21.20 | 21.57 | 8 | | | 8 | | | 8 | 11.80 | 22.77 | 8 | 8.30 | 23.48 | 8 | 8.90 | 24.54 |
| 9 | 22.10 | 22.26 | 9 | 19.20 | 22.36 | 9 | 16.60 | 23.42 | 9 | | | 9 | | | 9 | 8.70 | 24.12 |
| 10 | | | 10 | | | 10 | 16.30 | 23.76 | 10 | | | 10 | 8.60 | 25.03 | 10 | 9.30 | 23.90 |
| 旬平均 | 22.73 | 22.55 | 旬平均 | 19.68 | 22.63 | 旬平均 | 16.14 | 22.86 | 旬平均 | 11.88 | 22.98 | 旬平均 | 9.06 | 23.56 | 旬平均 | 9.00 | 23.76 |
| 11 | | | 11 | 17.70 | 22.64 | 11 | 14.40 | 23.09 | 11 | 11.30 | 22.60 | 11 | | | 11 | 9.80 | 24.06 |
| 12 | 22.80 | 22.94 | 12 | 18.30 | 22.77 | 12 | | | 12 | 11.20 | 22.88 | 12 | 8.90 | 23.49 | 12 | 9.80 | 23.96 |
| 13 | | | 13 | 17.80 | 22.66 | 13 | | | 13 | 11.80 | 23.36 | 13 | | | 13 | | |
| 14 | 22.60 | 23.00 | 14 | | | 14 | 13.20 | 23.19 | 14 | 11.30 | 23.29 | 14 | | | 14 | | |
| 15 | | | 15 | | | 15 | | | 15 | | | 15 | 8.90 | 25.03 | 15 | 9.10 | 22.59 |
| 16 | 22.50 | 23.17 | 16 | 18.60 | 21.53 | 16 | 14.30 | 23.37 | 16 | | | 16 | 9.80 | 23.75 | 16 | 8.80 | 23.15 |
| 17 | | | 17 | 18.70 | 21.95 | 17 | 13.80 | 22.99 | 17 | | | 17 | 10.40 | 24.31 | 17 | 9.20 | 23.79 |
| 18 | | | 18 | 18.90 | 23.11 | 18 | 12.30 | 23.14 | 18 | 11.20 | 24.16 | 18 | 10.10 | 24.65 | 18 | 8.90 | 23.56 |
| 19 | 22.60 | 23.50 | 19 | 18.80 | 23.49 | 19 | | | 19 | 10.10 | 23.01 | 19 | 9.80 | 23.16 | 19 | | |
| 20 | | | 20 | 18.60 | 21.93 | 20 | | | 20 | 10.20 | 22.84 | 20 | | | 20 | | |
| 旬平均 | 22.63 | 23.15 | 旬平均 | 18.43 | 22.51 | 旬平均 | 13.60 | 23.16 | 旬平均 | 11.01 | 23.16 | 旬平均 | 9.65 | 24.07 | 旬平均 | 9.27 | 23.52 |
| 21 | 22.10 | 23.07 | 21 | | | 21 | 14.60 | 22.83 | 21 | 9.60 | 22.86 | 21 | | | 21 | | |
| 22 | | | 22 | | | 22 | 13.10 | 23.27 | 22 | 10.80 | 23.10 | 22 | 9.90 | 24.09 | 22 | 10.80 | 23.81 |
| 23 | 22.00 | 22.94 | 23 | | | 23 | | | 23 | | | 23 | 8.90 | 22.67 | 23 | | |
| 24 | | | 24 | 18.70 | 23.06 | 24 | | | 24 | | | 24 | 8.20 | 24.06 | 24 | 10.80 | 22.42 |
| 25 | | | 25 | 18.40 | 23.30 | 25 | 10.80 | 23.41 | 25 | 9.90 | 23.19 | 25 | 7.80 | 23.71 | 25 | | |
| 26 | 21.20 | 22.94 | 26 | | | 26 | | | 26 | 9.90 | 22.90 | 26 | 9.30 | 24.59 | 26 | 10.90 | 22.84 |
| 27 | | | 27 | 15.70 | 22.88 | 27 | | | 27 | 10.90 | 23.83 | 27 | | | 27 | | |
| 28 | 21.30 | 22.67 | 28 | | | 28 | 12.70 | 23.40 | 28 | 9.20 | 22.34 | 28 | | | 28 | | |
| 29 | 21.10 | 22.82 | 29 | | | 29 | | | 29 | 8.20 | 22.77 | 29 | | | 29 | 10.50 | 23.97 |
| 30 | 21.10 | 22.92 | 30 | 17.40 | 23.58 | 30 | | | 30 | | | 30 | | | 30 | | |
| 31 | | | 31 | | | 31 | | | 31 | | | 31 | | | 31 | | |
| 旬平均 | 21.47 | 22.89 | 旬平均 | 17.55 | 23.21 | 旬平均 | 12.80 | 23.23 | 旬平均 | 9.79 | 23.00 | 旬平均 | 8.82 | 23.82 | 旬平均 | 10.75 | 23.26 |
| 月平均 | 22.23 | 22.85 | 月平均 | 18.52 | 22.71 | 月平均 | 14.51 | 23.04 | 月平均 | 10.73 | 23.06 | 月平均 | 9.19 | 23.80 | 月平均 | 9.48 | 23.57 |

観測場所 今切港北導流堤

| 4月 | | | 5月 | | | 6月 | | | 7月 | | | 8月 | | | 9月 | | |
|-----|-------|-------|-----|-------|-------|-----|-------|-------|-----|-------|-------|-----|-------|-------|-----|-------|-------|
| 日 | 水温 | 比重 |
| 1 | | | 1 | 15.30 | 23.06 | 1 | 19.20 | 23.39 | 1 | | | 1 | | | 1 | | |
| 2 | 12.20 | 22.53 | 2 | | | 2 | | | 2 | | | 2 | | | 2 | 25.90 | 22.54 |
| 3 | | | 3 | | | 3 | 20.30 | 22.63 | 3 | | | 3 | 24.60 | 23.21 | 3 | | |
| 4 | | | 4 | | | 4 | 20.00 | 22.56 | 4 | | | 4 | | | 4 | 26.80 | 22.79 |
| 5 | | | 5 | | | 5 | | | 5 | | | 5 | 24.60 | 21.66 | 5 | | |
| 6 | 12.60 | 24.09 | 6 | 16.00 | 22.70 | 6 | | | 6 | 21.40 | 22.89 | 6 | 25.40 | 21.89 | 6 | | |
| 7 | 12.90 | 23.14 | 7 | 15.90 | 22.68 | 7 | | | 7 | | | 7 | | | 7 | 26.20 | 22.63 |
| 8 | 13.10 | 23.18 | 8 | | | 8 | 19.80 | 22.00 | 8 | | | 8 | | | 8 | | |
| 9 | | | 9 | | | 9 | 19.20 | 22.38 | 9 | 22.50 | 22.15 | 9 | | | 9 | 26.30 | 22.14 |
| 10 | 14.20 | 20.37 | 10 | | | 10 | | | 10 | 23.80 | 21.49 | 10 | 25.80 | 22.02 | 10 | | |
| 旬平均 | 13.00 | 22.66 | 旬平均 | 15.73 | 22.81 | 旬平均 | 19.70 | 22.59 | 旬平均 | 22.57 | 22.18 | 旬平均 | 25.10 | 22.20 | 旬平均 | 26.30 | 22.53 |
| 11 | | | 11 | 15.80 | 23.16 | 11 | | | 11 | | | 11 | | | 11 | 25.30 | 22.38 |
| 12 | | | 12 | | | 12 | 21.30 | 22.36 | 12 | | | 12 | 25.60 | 21.96 | 12 | | |
| 13 | 11.90 | 23.48 | 13 | 16.20 | 22.74 | 13 | | | 13 | 23.40 | 21.87 | 13 | | | 13 | | |
| 14 | | | 14 | | | 14 | | | 14 | | | 14 | 24.50 | 22.17 | 14 | 24.30 | 22.62 |
| 15 | 13.00 | 23.16 | 15 | 17.00 | 22.39 | 15 | 20.20 | 22.61 | 15 | 22.30 | 22.11 | 15 | | | 15 | | |
| 16 | | | 16 | | | 16 | 20.40 | 22.14 | 16 | | | 16 | | | 16 | 25.90 | 22.54 |
| 17 | 13.30 | 23.21 | 17 | | | 17 | | | 17 | | | 17 | 25.50 | 21.92 | 17 | 25.00 | 22.30 |
| 18 | | | 18 | 16.50 | 21.79 | 18 | | | 18 | | | 18 | | | 18 | | |
| 19 | | | 19 | | | 19 | 20.90 | 22.77 | 19 | | | 19 | 25.00 | 15.09 | 19 | | |
| 20 | 13.80 | 22.79 | 20 | 16.90 | 22.88 | 20 | | | 20 | 23.50 | 22.92 | 20 | | | 20 | | |
| 旬平均 | 13.00 | 23.16 | 旬平均 | 16.48 | 22.59 | 旬平均 | 20.70 | 22.47 | 旬平均 | 23.07 | 22.30 | 旬平均 | 25.15 | 20.29 | 旬平均 | 25.13 | 22.46 |
| 21 | | | 21 | | | 21 | | | 21 | | | 21 | 24.80 | 21.72 | 21 | 22.20 | 23.09 |
| 22 | 15.10 | 22.52 | 22 | 18.00 | 23.10 | 22 | 20.70 | 22.72 | 22 | | | 22 | | | 22 | 22.50 | 22.66 |
| 23 | 14.20 | 22.36 | 23 | | | 23 | 20.50 | 22.17 | 23 | 25.40 | 21.89 | 23 | | | 23 | | |
| 24 | | | 24 | | | 24 | | | 24 | 25.90 | 22.04 | 24 | 25.80 | 19.95 | 24 | | |
| 25 | | | 25 | 17.50 | 23.00 | 25 | 20.80 | 22.74 | 25 | | | 25 | | | 25 | | |
| 26 | | | 26 | | | 26 | | | 26 | | | 26 | 25.90 | 21.53 | 26 | | |
| 27 | 15.70 | 23.14 | 27 | 18.50 | 22.72 | 27 | | | 27 | 26.80 | 21.77 | 27 | 25.80 | 20.99 | 27 | | |
| 28 | | | 28 | | | 28 | | | 28 | | | 28 | | | 28 | 21.80 | 22.99 |
| 29 | | | 29 | 18.60 | 23.24 | 29 | 21.20 | 22.84 | 29 | | | 29 | | | 29 | | |
| 30 | | | 30 | | | 30 | | | 30 | 27.30 | 22.43 | 30 | | | 30 | 22.80 | 22.23 |
| 31 | | | 31 | | | 31 | | | 31 | 26.50 | 22.71 | 31 | 26.00 | 21.54 | 31 | | |
| 旬平均 | 15.00 | 22.67 | 旬平均 | 18.15 | 23.02 | 旬平均 | 20.80 | 22.62 | 旬平均 | 26.38 | 22.17 | 旬平均 | 25.66 | 21.15 | 旬平均 | 22.33 | 22.74 |
| 月平均 | 13.50 | 22.83 | 月平均 | 16.85 | 22.79 | 月平均 | 20.35 | 22.56 | 月平均 | 24.44 | 22.21 | 月平均 | 25.33 | 21.20 | 月平均 | 24.58 | 22.58 |

観測場所 今切港北導流堤

| 10月 | | | 11月 | | | 12月 | | | 1月 | | | 2月 | | | 3月 | | |
|-----|-------|-------|-----|-------|-------|-----|-------|-------|-----|-------|-------|-----|-------|-------|-----|-------|-------|
| 日 | 水温 | 比重 |
| 1 | 23.00 | 22.79 | 1 | | | 1 | | | 1 | | | 1 | 8.90 | 23.06 | 1 | 9.80 | 23.67 |
| 2 | | | 2 | 17.40 | 23.48 | 2 | 15.00 | 23.50 | 2 | | | 2 | | | 2 | | |
| 3 | | | 3 | | | 3 | 13.30 | 23.21 | 3 | | | 3 | 7.90 | 23.43 | 3 | 9.10 | 24.07 |
| 4 | | | 4 | 18.80 | 23.29 | 4 | | | 4 | 11.80 | 22.97 | 4 | | | 4 | 9.90 | 23.69 |
| 5 | 21.60 | 22.94 | 5 | | | 5 | | | 5 | | | 5 | 9.40 | 23.12 | 5 | | |
| 6 | | | 6 | 19.40 | 22.92 | 6 | | | 6 | 10.70 | 23.30 | 6 | | | 6 | | |
| 7 | 21.00 | 22.79 | 7 | | | 7 | 15.70 | 22.64 | 7 | | | 7 | | | 7 | | |
| 8 | | | 8 | | | 8 | | | 8 | 11.50 | 22.93 | 8 | 9.40 | 23.12 | 8 | 10.10 | 23.71 |
| 9 | 21.80 | 22.48 | 9 | 18.70 | 23.27 | 9 | 15.10 | 23.02 | 9 | | | 9 | | | 9 | | |
| 10 | | | 10 | | | 10 | | | 10 | | | 10 | 8.90 | 23.06 | 10 | 9.80 | 23.67 |
| 旬平均 | 21.85 | 22.75 | 旬平均 | 18.58 | 23.24 | 旬平均 | 14.78 | 23.09 | 旬平均 | 11.33 | 23.07 | 旬平均 | 8.90 | 23.16 | 旬平均 | 9.74 | 23.76 |
| 11 | | | 11 | 16.80 | 23.36 | 11 | 14.00 | 23.32 | 11 | 11.40 | 22.91 | 11 | | | 11 | | |
| 12 | 21.80 | 22.99 | 12 | | | 12 | | | 12 | | | 12 | 9.40 | 23.12 | 12 | 9.70 | 23.16 |
| 13 | 21.80 | 22.99 | 13 | 17.00 | 23.40 | 13 | | | 13 | 11.20 | 23.37 | 13 | | | 13 | | |
| 14 | 21.80 | 22.99 | 14 | | | 14 | 13.30 | 23.24 | 14 | 11.20 | 23.37 | 14 | | | 14 | | |
| 15 | | | 15 | | | 15 | | | 15 | | | 15 | 9.00 | 23.07 | 15 | 9.60 | 23.65 |
| 16 | | | 16 | 17.50 | 23.50 | 16 | | | 16 | | | 16 | | | 16 | | |
| 17 | | | 17 | 16.40 | 23.28 | 17 | 12.10 | 23.51 | 17 | | | 17 | 10.80 | 23.31 | 17 | 8.60 | 24.01 |
| 18 | | | 18 | 16.10 | 23.22 | 18 | 12.00 | 23.49 | 18 | 10.50 | 23.27 | 18 | | | 18 | | |
| 19 | 21.40 | 22.89 | 19 | | | 19 | | | 19 | | | 19 | 9.70 | 23.66 | 19 | 9.20 | 23.60 |
| 20 | | | 20 | | | 20 | | | 20 | 9.70 | 23.16 | 20 | | | 20 | | |
| 旬平均 | 21.70 | 22.97 | 旬平均 | 16.76 | 23.35 | 旬平均 | 12.85 | 23.39 | 旬平均 | 10.80 | 23.22 | 旬平均 | 9.73 | 23.29 | 旬平均 | 9.28 | 23.61 |
| 21 | | | 21 | | | 21 | 13.40 | 23.22 | 21 | | | 21 | | | 21 | | |
| 22 | 20.50 | 23.18 | 22 | | | 22 | | | 22 | 9.50 | 23.14 | 22 | 10.70 | 23.80 | 22 | 10.40 | 23.76 |
| 23 | 21.20 | 22.84 | 23 | | | 23 | | | 23 | | | 23 | | | 23 | 10.50 | 23.77 |
| 24 | | | 24 | 15.80 | 23.16 | 24 | 11.80 | 23.46 | 24 | | | 24 | 9.20 | 24.09 | 24 | | |
| 25 | | | 25 | 15.90 | 23.18 | 25 | 10.70 | 23.30 | 25 | 9.70 | 22.67 | 25 | | | 25 | | |
| 26 | 20.00 | 23.06 | 26 | 15.40 | 23.08 | 26 | | | 26 | | | 26 | 9.20 | 24.09 | 26 | 11.50 | 23.42 |
| 27 | | | 27 | | | 27 | | | 27 | 10.00 | 23.30 | 27 | | | 27 | | |
| 28 | | | 28 | | | 28 | 11.70 | 22.96 | 28 | | | 28 | | | 28 | | |
| 29 | 19.30 | 22.90 | 29 | | | 29 | | | 29 | 8.40 | 23.00 | 29 | | | 29 | 10.60 | 23.28 |
| 30 | 19.90 | 23.55 | 30 | 14.70 | 22.95 | 30 | | | 30 | | | 30 | | | 30 | | |
| 31 | | | 31 | | | 31 | | | 31 | | | 31 | | | 31 | 11.10 | 23.36 |
| 旬平均 | 20.18 | 23.11 | 旬平均 | 15.45 | 23.09 | 旬平均 | 11.90 | 23.24 | 旬平均 | 9.40 | 23.03 | 旬平均 | 9.70 | 23.99 | 旬平均 | 10.82 | 23.52 |
| 月平均 | 21.16 | 22.95 | 月平均 | 16.92 | 23.24 | 月平均 | 13.18 | 23.24 | 月平均 | 10.47 | 23.12 | 月平均 | 9.38 | 23.41 | 月平均 | 9.99 | 23.63 |

観測場所 小松島港南防波堤

| 4月 | | | 5月 | | | 6月 | | | 7月 | | | 8月 | | | 9月 | | |
|-----|-------|-------|-----|-------|-------|-----|-------|-------|-----|-------|-------|-----|-------|-------|-----|-------|-------|
| 日 | 水温 | 比重 |
| 1 | | | 1 | 15.00 | 23.27 | 1 | 19.00 | 23.30 | 1 | 20.80 | 22.07 | 1 | | | 1 | | |
| 2 | | | 2 | | | 2 | | | 2 | | | 2 | | | 2 | 26.60 | 23.80 |
| 3 | | | 3 | | | 3 | 19.60 | 22.39 | 3 | 21.20 | 20.31 | 3 | 25.20 | 22.68 | 3 | | |
| 4 | | | 4 | | | 4 | | | 4 | | | 4 | | | 4 | 27.20 | 15.33 |
| 5 | | | 5 | | | 5 | 19.40 | 23.54 | 5 | | | 5 | 24.40 | 21.15 | 5 | | |
| 6 | 13.80 | 23.67 | 6 | 14.80 | 24.12 | 6 | | | 6 | 22.40 | 20.50 | 6 | | | 6 | | |
| 7 | | | 7 | | | 7 | | | 7 | | | 7 | 24.40 | 23.18 | 7 | 25.40 | 18.35 |
| 8 | 13.80 | 23.97 | 8 | 15.00 | 25.17 | 8 | 19.80 | 20.31 | 8 | 22.40 | 17.14 | 8 | | | 8 | | |
| 9 | | | 9 | | | 9 | | | 9 | | | 9 | | | 9 | 26.00 | 23.70 |
| 10 | 13.70 | 22.91 | 10 | | | 10 | 19.80 | 20.90 | 10 | 23.60 | 18.98 | 10 | 24.40 | 17.50 | 10 | | |
| 旬平均 | 13.77 | 23.52 | 旬平均 | 14.93 | 24.19 | 旬平均 | 19.52 | 22.09 | 旬平均 | 22.08 | 19.80 | 旬平均 | 24.60 | 21.13 | 旬平均 | 26.30 | 20.30 |
| 11 | | | 11 | 16.00 | 23.95 | 11 | | | 11 | | | 11 | | | 11 | 26.20 | 22.62 |
| 12 | | | 12 | | | 12 | 19.80 | 21.37 | 12 | | | 12 | 24.60 | 19.44 | 12 | | |
| 13 | 13.20 | 23.19 | 13 | 15.80 | 24.00 | 13 | | | 13 | 23.00 | 20.73 | 13 | | | 13 | | |
| 14 | | | 14 | | | 14 | | | 14 | | | 14 | 24.60 | 20.07 | 14 | 25.20 | 22.70 |
| 15 | 13.20 | 23.10 | 15 | 16.80 | 20.58 | 15 | 20.40 | 21.78 | 15 | 22.80 | 19.89 | 15 | | | 15 | | |
| 16 | | | 16 | | | 16 | | | 16 | | | 16 | | | 16 | 25.60 | 22.27 |
| 17 | 13.40 | 23.47 | 17 | | | 17 | 19.80 | 23.23 | 17 | 22.60 | 20.84 | 17 | 25.50 | 20.17 | 17 | | |
| 18 | | | 18 | 16.80 | 23.30 | 18 | | | 18 | | | 18 | | | 18 | 25.40 | 22.43 |
| 19 | | | 19 | | | 19 | 21.50 | 22.78 | 19 | | | 19 | 25.50 | 14.64 | 19 | | |
| 20 | 14.20 | 23.00 | 20 | 17.50 | 21.30 | 20 | | | 20 | 24.60 | 20.19 | 20 | | | 20 | | |
| 旬平均 | 13.50 | 23.19 | 旬平均 | 16.58 | 22.63 | 旬平均 | 20.38 | 22.29 | 旬平均 | 23.25 | 20.41 | 旬平均 | 25.05 | 18.58 | 旬平均 | 25.60 | 22.51 |
| 21 | | | 21 | | | 21 | | | 21 | | | 21 | 24.00 | 10.19 | 21 | 24.60 | 22.34 |
| 22 | 14.80 | 23.00 | 22 | 17.20 | 21.97 | 22 | 21.20 | 22.60 | 22 | 24.50 | 20.91 | 22 | | | 22 | | |
| 23 | | | 23 | | | 23 | | | 23 | | | 23 | | | 23 | | |
| 24 | 15.20 | 23.47 | 24 | | | 24 | 20.80 | 22.74 | 24 | 26.20 | 21.77 | 24 | 25.80 | 10.30 | 24 | | |
| 25 | | | 25 | 18.30 | 27.38 | 25 | | | 25 | | | 25 | | | 25 | 24.20 | 22.09 |
| 26 | | | 26 | | | 26 | 20.80 | 21.40 | 26 | | | 26 | 24.00 | 10.45 | 26 | | |
| 27 | 16.00 | 23.91 | 27 | 17.70 | 22.89 | 27 | | | 27 | 26.40 | 21.79 | 27 | | | 27 | 22.60 | 20.50 |
| 28 | 15.80 | 24.05 | 28 | | | 28 | | | 28 | | | 28 | 25.50 | 14.80 | 28 | | |
| 29 | | | 29 | 18.40 | 23.79 | 29 | 20.40 | 21.83 | 29 | 26.40 | 21.85 | 29 | | | 29 | 22.00 | 16.49 |
| 30 | 15.20 | 23.26 | 30 | | | 30 | | | 30 | | | 30 | 26.40 | 18.00 | 30 | | |
| 31 | | | 31 | | | 31 | | | 31 | 27.00 | 21.23 | 31 | | | 31 | | |
| 旬平均 | 15.40 | 23.54 | 旬平均 | 17.90 | 22.51 | 旬平均 | 20.80 | 22.14 | 旬平均 | 26.10 | 21.51 | 旬平均 | 25.14 | 12.75 | 旬平均 | 23.35 | 20.36 |
| 月平均 | 14.36 | 23.42 | 月平均 | 16.61 | 22.98 | 月平均 | 20.18 | 22.17 | 月平均 | 23.85 | 20.59 | 月平均 | 24.95 | 17.12 | 月平均 | 25.08 | 21.05 |

観測場所 小松島港南防波堤

| 10月 | | | 11月 | | | 12月 | | | 1月 | | | 2月 | | | 3月 | | |
|-----|-------|-------|-----|-------|-------|-----|-------|-------|-----|-------|-------|-----|-------|-------|-----|-------|-------|
| 日 | 水温 | 比重 |
| 1 | | | 1 | | | 1 | | | 1 | | | 1 | 9.80 | 22.55 | 1 | 10.20 | 22.81 |
| 2 | 23.00 | 17.70 | 2 | 20.00 | 22.86 | 2 | 15.40 | 22.26 | 2 | | | 2 | | | 2 | | |
| 3 | | | 3 | | | 3 | | | 3 | | | 3 | 9.30 | 22.73 | 3 | 10.00 | 22.64 |
| 4 | | | 4 | 22.00 | 21.68 | 4 | 15.20 | 22.32 | 4 | 12.40 | 22.44 | 4 | | | 4 | | |
| 5 | 20.60 | 18.08 | 5 | | | 5 | | | 5 | | | 5 | 9.40 | 22.71 | 5 | 10.20 | 22.63 |
| 6 | | | 6 | 19.60 | 22.83 | 6 | | | 6 | 11.60 | 22.23 | 6 | | | 6 | | |
| 7 | 22.60 | 21.33 | 7 | | | 7 | 15.20 | 23.78 | 7 | | | 7 | | | 7 | | |
| 8 | | | 8 | | | 8 | | | 8 | 12.00 | 22.61 | 8 | 10.40 | 22.97 | 8 | 10.80 | 22.65 |
| 9 | 22.00 | 21.52 | 9 | 19.60 | 23.75 | 9 | 15.40 | 22.47 | 9 | | | 9 | | | 9 | | |
| 10 | | | 10 | | | 10 | | | 10 | | | 10 | 9.80 | 22.92 | 10 | 10.80 | 22.68 |
| 旬平均 | 22.05 | 19.66 | 旬平均 | 20.30 | 22.78 | 旬平均 | 15.30 | 22.71 | 旬平均 | 12.00 | 22.43 | 旬平均 | 9.74 | 22.78 | 旬平均 | 10.40 | 22.68 |
| 11 | | | 11 | 18.40 | 23.80 | 11 | 16.30 | 23.12 | 11 | 11.60 | 22.27 | 11 | | | 11 | | |
| 12 | 22.20 | 21.64 | 12 | | | 12 | | | 12 | | | 12 | 9.90 | 23.23 | 12 | 10.80 | 22.78 |
| 13 | | | 13 | 18.40 | 22.82 | 13 | | | 13 | 11.80 | 22.49 | 13 | | | 13 | | |
| 14 | 20.80 | 20.82 | 14 | | | 14 | 15.00 | 22.97 | 14 | | | 14 | | | 14 | | |
| 15 | | | 15 | | | 15 | | | 15 | | | 15 | 9.90 | 22.72 | 15 | 10.20 | 22.53 |
| 16 | 21.80 | 21.42 | 16 | 18.40 | 23.49 | 16 | 13.60 | 22.93 | 16 | | | 16 | | | 16 | | |
| 17 | | | 17 | | | 17 | | | 17 | | | 17 | 10.80 | 22.93 | 17 | 9.70 | 22.41 |
| 18 | | | 18 | 17.40 | 22.67 | 18 | 13.50 | 22.73 | 18 | 10.50 | 22.56 | 18 | | | 18 | | |
| 19 | 22.60 | 22.43 | 19 | | | 19 | | | 19 | | | 19 | 10.00 | 22.31 | 19 | 10.20 | 22.29 |
| 20 | | | 20 | 18.20 | 23.97 | 20 | | | 20 | 10.50 | 22.56 | 20 | | | 20 | | |
| 旬平均 | 21.85 | 21.58 | 旬平均 | 18.16 | 23.35 | 旬平均 | 14.60 | 22.94 | 旬平均 | 11.10 | 22.47 | 旬平均 | 10.15 | 22.80 | 旬平均 | 10.23 | 22.50 |
| 21 | 21.60 | 22.73 | 21 | | | 21 | 13.40 | 22.38 | 21 | | | 21 | | | 21 | | |
| 22 | | | 22 | | | 22 | | | 22 | 10.40 | 22.56 | 22 | 10.90 | 22.93 | 22 | 10.60 | 22.40 |
| 23 | 20.60 | 22.64 | 23 | | | 23 | | | 23 | | | 23 | | | 23 | | |
| 24 | | | 24 | | | 24 | | | 24 | | | 24 | 10.70 | 22.85 | 24 | 11.50 | 21.04 |
| 25 | | | 25 | 16.50 | 22.48 | 25 | 12.40 | 23.62 | 25 | 10.60 | 22.39 | 25 | | | 25 | | |
| 26 | 20.40 | 22.13 | 26 | | | 26 | | | 26 | | | 26 | 9.80 | 22.39 | 26 | 11.50 | 22.40 |
| 27 | | | 27 | 16.20 | 23.53 | 27 | | | 27 | 10.30 | 22.56 | 27 | | | 27 | | |
| 28 | 20.20 | 22.75 | 28 | | | 28 | 12.40 | 22.57 | 28 | | | 28 | | | 28 | | |
| 29 | | | 29 | | | 29 | | | 29 | 10.30 | 22.91 | 29 | | | 29 | 11.60 | 22.01 |
| 30 | 20.40 | 22.16 | 30 | 15.50 | 22.52 | 30 | | | 30 | | | 30 | | | 30 | | |
| 31 | | | 31 | | | 31 | | | 31 | | | 31 | | | 31 | 11.60 | 22.79 |
| 旬平均 | 20.64 | 22.48 | 旬平均 | 16.07 | 22.84 | 旬平均 | 12.73 | 22.86 | 旬平均 | 10.40 | 22.61 | 旬平均 | 10.47 | 22.72 | 旬平均 | 11.36 | 22.13 |
| 月平均 | 21.45 | 21.33 | 月平均 | 18.35 | 23.03 | 月平均 | 14.35 | 22.83 | 月平均 | 11.09 | 22.51 | 月平均 | 10.06 | 22.77 | 月平均 | 10.69 | 22.43 |

観測場所 橋漁港南堤

| 4月 | | | 5月 | | | 6月 | | | 7月 | | | 8月 | | | 9月 | | |
|-----|-------|-------|-----|-------|-------|-----|-------|-------|-----|-------|-------|-----|-------|-------|-----|-------|-------|
| 日 | 水温 | 比重 |
| 1 | | | 1 | 16.20 | 22.74 | 1 | 21.30 | 21.95 | 1 | 22.10 | 22.20 | 1 | | | 1 | 27.60 | 22.56 |
| 2 | | | 2 | 16.50 | 21.88 | 2 | 21.80 | 21.08 | 2 | 22.00 | 16.91 | 2 | | | 2 | 27.80 | 21.74 |
| 3 | | | 3 | | | 3 | 23.20 | 22.22 | 3 | 21.70 | 18.36 | 3 | 26.50 | 23.14 | 3 | 27.10 | 22.59 |
| 4 | | | 4 | | | 4 | 22.10 | 22.66 | 4 | | | 4 | 25.10 | 23.16 | 4 | 27.90 | 21.92 |
| 5 | | | 5 | | | 5 | 20.60 | 23.38 | 5 | | | 5 | 25.60 | 15.41 | 5 | | |
| 6 | 14.00 | 20.21 | 6 | 16.70 | 23.04 | 6 | | | 6 | 22.90 | 21.39 | 6 | 26.30 | 17.66 | 6 | | |
| 7 | | | 7 | 18.40 | 21.61 | 7 | | | 7 | 22.40 | 14.34 | 7 | 26.50 | 19.22 | 7 | 28.40 | 22.27 |
| 8 | 14.50 | 20.51 | 8 | 18.20 | 22.34 | 8 | 20.20 | 5.40 | 8 | 23.60 | 19.11 | 8 | | | 8 | 27.80 | 21.48 |
| 9 | 14.50 | 20.42 | 9 | | | 9 | 20.30 | 12.20 | 9 | 23.70 | 19.59 | 9 | | | 9 | 26.60 | 22.68 |
| 10 | 16.40 | 10.30 | 10 | | | 10 | | | 10 | 25.40 | 19.58 | 10 | 26.80 | 17.26 | 10 | 25.40 | 17.26 |
| 旬平均 | 14.85 | 17.86 | 旬平均 | 17.20 | 22.32 | 旬平均 | 21.36 | 18.41 | 旬平均 | 22.98 | 18.94 | 旬平均 | 26.13 | 19.31 | 旬平均 | 27.33 | 21.56 |
| 11 | | | 11 | 18.10 | 22.58 | 11 | 22.50 | 18.87 | 11 | | | 11 | 27.90 | 16.99 | 11 | 26.00 | 23.05 |
| 12 | | | 12 | 17.90 | 18.61 | 12 | 20.20 | 21.76 | 12 | | | 12 | 26.90 | 21.43 | 12 | | |
| 13 | 12.20 | 19.97 | 13 | 18.10 | 22.11 | 13 | | | 13 | 26.10 | 20.25 | 13 | 25.50 | 14.76 | 13 | | |
| 14 | 12.50 | 19.32 | 14 | 20.70 | 12.77 | 14 | | | 14 | 25.00 | 18.50 | 14 | 25.40 | 12.24 | 14 | 24.90 | 20.64 |
| 15 | 13.80 | 18.35 | 15 | 18.10 | 17.61 | 15 | 20.90 | 20.74 | 15 | 24.80 | 22.68 | 15 | | | 15 | | |
| 16 | 14.50 | 20.18 | 16 | 18.00 | 13.60 | 16 | 21.50 | 21.54 | 16 | 24.90 | 22.33 | 16 | | | 16 | 26.60 | 22.82 |
| 17 | 13.50 | 20.02 | 17 | | | 17 | 21.70 | 21.47 | 17 | 24.10 | 20.45 | 17 | 26.90 | 19.94 | 17 | 26.30 | 23.05 |
| 18 | 15.40 | 20.51 | 18 | 17.80 | 18.43 | 18 | 20.80 | 22.90 | 18 | | | 18 | 26.80 | 21.69 | 18 | 26.20 | 23.02 |
| 19 | | | 19 | 18.10 | 19.16 | 19 | 21.40 | 22.61 | 19 | | | 19 | 25.00 | 4.48 | 19 | | |
| 20 | 14.50 | 20.33 | 20 | 18.90 | 19.87 | 20 | | | 20 | 25.30 | 22.17 | 20 | 25.20 | 4.09 | 20 | | |
| 旬平均 | 13.77 | 19.81 | 旬平均 | 18.41 | 18.30 | 旬平均 | 21.29 | 21.41 | 旬平均 | 25.03 | 21.06 | 旬平均 | 26.20 | 14.45 | 旬平均 | 26.00 | 22.52 |
| 21 | 15.50 | 20.51 | 21 | 19.50 | 21.61 | 21 | | | 21 | 26.50 | 21.90 | 21 | 25.50 | 11.79 | 21 | 24.90 | 23.03 |
| 22 | 17.90 | 10.99 | 22 | 20.30 | 21.86 | 22 | 21.90 | 23.09 | 22 | | | 22 | | | 22 | 23.90 | 23.29 |
| 23 | 15.20 | 15.68 | 23 | | | 23 | 20.70 | 19.61 | 23 | | | 23 | | | 23 | | |
| 24 | 15.40 | 20.29 | 24 | | | 24 | 22.10 | 22.10 | 24 | 27.10 | 21.62 | 24 | 27.10 | 20.00 | 24 | 24.40 | 22.19 |
| 25 | | | 25 | 19.50 | 27.47 | 25 | 21.90 | 20.58 | 25 | | | 25 | 25.90 | 12.37 | 25 | 24.40 | 21.73 |
| 26 | | | 26 | 18.40 | 21.89 | 26 | 22.80 | 19.98 | 26 | | | 26 | 26.30 | 16.84 | 26 | | |
| 27 | 16.20 | 20.68 | 27 | 19.70 | 22.64 | 27 | | | 27 | 28.20 | 22.37 | 27 | 27.20 | 17.97 | 27 | | |
| 28 | 17.40 | 21.78 | 28 | 18.70 | 21.99 | 28 | | | 28 | | | 28 | 27.40 | 20.14 | 28 | 22.50 | 23.85 |
| 29 | | | 29 | | | 29 | | | 29 | 29.40 | 22.11 | 29 | | | 29 | 22.10 | 23.23 |
| 30 | 18.20 | 20.15 | 30 | | | 30 | | | 30 | 28.30 | 22.48 | 30 | | | 30 | 22.50 | 16.87 |
| 31 | | | 31 | | | 31 | | | 31 | 27.90 | 22.48 | 31 | | | 31 | | |
| 旬平均 | 16.54 | 18.58 | 旬平均 | 19.35 | 21.91 | 旬平均 | 21.88 | 21.07 | 旬平均 | 27.90 | 22.16 | 旬平均 | 26.57 | 16.52 | 旬平均 | 23.53 | 22.03 |
| 月平均 | 15.09 | 18.90 | 月平均 | 18.39 | 20.39 | 月平均 | 21.47 | 20.22 | 月平均 | 25.07 | 20.54 | 月平均 | 26.29 | 16.53 | 月平均 | 25.67 | 21.96 |

観測場所 橘港港南堤

| 10月 | | | 11月 | | | 12月 | | | 1月 | | | 2月 | | | 3月 | | |
|-----|-------|-------|-----|-------|-------|-----|-------|-------|-----|-------|-------|-----|-------|-------|-----|-------|-------|
| 日 | 水温 | 比重 |
| 1 | 22.60 | 19.77 | 1 | | | 1 | 16.10 | 22.71 | 1 | | | 1 | 10.90 | 24.97 | 1 | 11.90 | 25.07 |
| 2 | 23.30 | 17.52 | 2 | 19.80 | 23.46 | 2 | 16.10 | 22.63 | 2 | | | 2 | 10.40 | 25.12 | 2 | 12.70 | 25.03 |
| 3 | | | 3 | | | 3 | 15.50 | 22.65 | 3 | | | 3 | 10.10 | 25.28 | 3 | | |
| 4 | | | 4 | 19.70 | 23.55 | 4 | 15.40 | 15.73 | 4 | 12.70 | 24.33 | 4 | 9.70 | 24.67 | 4 | 12.30 | 24.65 |
| 5 | 22.80 | 22.79 | 5 | 19.60 | 23.36 | 5 | | | 5 | 12.40 | 24.33 | 5 | 10.00 | 24.61 | 5 | 12.00 | 24.81 |
| 6 | 22.70 | 22.74 | 6 | 18.90 | 16.05 | 6 | | | 6 | 12.00 | 24.33 | 6 | | | 6 | | |
| 7 | 20.40 | 20.90 | 7 | | | 7 | 15.10 | 19.55 | 7 | | | 7 | | | 7 | | |
| 8 | 21.40 | 19.93 | 8 | | | 8 | | | 8 | 11.80 | 24.03 | 8 | 10.50 | 25.01 | 8 | 11.90 | 24.26 |
| 9 | 21.60 | 19.37 | 9 | 18.90 | 22.07 | 9 | 14.90 | 19.68 | 9 | | | 9 | | | 9 | 11.90 | 24.15 |
| 10 | | | 10 | 18.90 | 21.44 | 10 | 15.10 | 19.85 | 10 | | | 10 | 10.90 | 24.33 | 10 | 12.30 | 24.37 |
| 旬平均 | 22.11 | 20.43 | 旬平均 | 19.30 | 21.66 | 旬平均 | 15.46 | 20.40 | 旬平均 | 12.23 | 24.26 | 旬平均 | 10.36 | 24.86 | 旬平均 | 12.14 | 24.62 |
| 11 | | | 11 | 19.20 | 22.71 | 11 | 16.90 | 24.57 | 11 | 11.70 | 24.03 | 11 | | | 11 | 12.40 | 24.38 |
| 12 | 21.80 | 21.78 | 12 | 19.00 | 22.68 | 12 | | | 12 | 11.90 | 24.08 | 12 | 11.20 | 24.80 | 12 | 12.50 | 24.77 |
| 13 | 22.50 | 22.86 | 13 | 18.80 | 22.54 | 13 | | | 13 | 11.70 | 23.91 | 13 | | | 13 | | |
| 14 | 21.70 | 20.38 | 14 | 18.90 | 22.64 | 14 | 16.50 | 24.67 | 14 | 11.10 | 23.55 | 14 | | | 14 | | |
| 15 | | | 15 | | | 15 | 15.70 | 24.65 | 15 | | | 15 | 11.60 | 24.92 | 15 | 10.90 | 23.22 |
| 16 | | | 16 | 20.00 | 23.50 | 16 | 15.10 | 24.51 | 16 | | | 16 | 11.00 | 24.75 | 16 | 11.40 | 23.56 |
| 17 | | | 17 | 19.20 | 23.32 | 17 | 14.50 | 24.20 | 17 | | | 17 | 12.40 | 22.39 | 17 | 10.80 | 24.06 |
| 18 | | | 18 | 18.40 | 22.79 | 18 | 14.60 | 24.33 | 18 | 10.30 | 23.73 | 18 | 11.80 | 24.27 | 18 | 11.40 | 24.20 |
| 19 | 22.50 | 23.17 | 19 | 18.80 | 23.21 | 19 | | | 19 | 11.70 | 24.53 | 19 | 11.60 | 24.23 | 19 | | |
| 20 | 22.40 | 23.17 | 20 | 19.00 | 19.02 | 20 | | | 20 | 11.70 | 24.04 | 20 | | | 20 | | |
| 旬平均 | 22.18 | 22.27 | 旬平均 | 19.03 | 22.49 | 旬平均 | 15.55 | 24.49 | 旬平均 | 11.44 | 23.98 | 旬平均 | 11.60 | 24.23 | 旬平均 | 11.57 | 24.03 |
| 21 | 22.50 | 23.91 | 21 | | | 21 | 14.00 | 24.43 | 21 | 11.40 | 24.17 | 21 | | | 21 | | |
| 22 | 22.10 | 23.40 | 22 | | | 22 | 14.10 | 24.43 | 22 | 11.50 | 24.40 | 22 | | | 22 | 11.00 | 23.63 |
| 23 | 20.80 | 21.63 | 23 | | | 23 | | | 23 | | | 23 | | | 23 | 11.60 | 23.32 |
| 24 | | | 24 | 18.00 | 22.60 | 24 | 13.40 | 24.07 | 24 | | | 24 | | | 24 | 12.00 | 23.60 |
| 25 | | | 25 | 18.40 | 22.84 | 25 | 13.10 | 24.19 | 25 | 11.00 | 23.40 | 25 | | | 25 | | |
| 26 | 21.30 | 22.54 | 26 | 18.40 | 22.88 | 26 | | | 26 | 11.10 | 23.07 | 26 | | | 26 | 12.40 | 23.59 |
| 27 | 21.80 | 23.45 | 27 | 17.00 | 23.02 | 27 | | | 27 | 10.60 | 24.05 | 27 | | | 27 | | |
| 28 | 21.70 | 23.35 | 28 | | | 28 | 13.20 | 24.23 | 28 | 11.00 | 24.30 | 28 | | | 28 | | |
| 29 | 21.40 | 23.14 | 29 | | | 29 | | | 29 | 10.30 | 24.18 | 29 | | | 29 | 12.50 | 24.87 |
| 30 | 21.60 | 23.24 | 30 | 16.20 | 22.78 | 30 | | | 30 | | | 30 | | | 30 | 12.20 | 24.48 |
| 31 | | | 31 | | | 31 | | | 31 | | | 31 | | | 31 | | |
| 旬平均 | 21.65 | 23.08 | 旬平均 | 17.60 | 22.82 | 旬平均 | 13.56 | 24.27 | 旬平均 | 10.99 | 23.94 | 旬平均 | | | 旬平均 | 11.95 | 23.92 |
| 月平均 | 21.95 | 21.95 | 月平均 | 18.76 | 22.32 | 月平均 | 14.96 | 22.84 | 月平均 | 11.44 | 24.03 | 月平均 | 10.93 | 24.57 | 月平均 | 11.90 | 24.21 |

観測場所 椿泊漁港（谷ノ浦地区）東堤

| 4月 | | | 5月 | | | 6月 | | | 7月 | | | 8月 | | | 9月 | | |
|-----|-------|-------|-----|-------|-------|-----|-------|-------|-----|-------|-------|-----|-------|-------|-----|-------|-------|
| 日 | 水温 | 比重 |
| 1 | | | 1 | 15.80 | 23.04 | 1 | | | 1 | | | 1 | | | 1 | 26.80 | 22.33 |
| 2 | 12.70 | 21.85 | 2 | | | 2 | 20.20 | 22.42 | 2 | 21.40 | 18.98 | 2 | | | 2 | 26.80 | 22.73 |
| 3 | 13.50 | 22.12 | 3 | | | 3 | 20.10 | 22.72 | 3 | 20.90 | 18.92 | 3 | 25.90 | 22.99 | 3 | 26.50 | 22.84 |
| 4 | | | 4 | | | 4 | 20.70 | 23.07 | 4 | | | 4 | 25.20 | 23.20 | 4 | 27.60 | 22.34 |
| 5 | | | 5 | | | 5 | 19.00 | 22.40 | 5 | | | 5 | 25.10 | 22.10 | 5 | | |
| 6 | 13.70 | 21.54 | 6 | 16.50 | 23.76 | 6 | | | 6 | 21.70 | 14.32 | 6 | 25.00 | 21.49 | 6 | | |
| 7 | 13.70 | 21.33 | 7 | 16.60 | 22.85 | 7 | | | 7 | 22.00 | 16.03 | 7 | 25.10 | 22.89 | 7 | 27.00 | 22.00 |
| 8 | 14.10 | 21.11 | 8 | 16.50 | 23.56 | 8 | 19.80 | 7.70 | 8 | 22.80 | 20.76 | 8 | | | 8 | 26.70 | 22.00 |
| 9 | 14.70 | 21.61 | 9 | | | 9 | 20.00 | 18.09 | 9 | 23.40 | 20.48 | 9 | | | 9 | 26.00 | 22.09 |
| 10 | 15.00 | 15.28 | 10 | | | 10 | | | 10 | 24.70 | 20.57 | 10 | 26.00 | 17.79 | 10 | 25.00 | 22.61 |
| 旬平均 | 13.91 | 20.69 | 旬平均 | 16.35 | 23.30 | 旬平均 | 19.97 | 19.40 | 旬平均 | 22.41 | 18.58 | 旬平均 | 25.38 | 21.74 | 旬平均 | 26.55 | 22.37 |
| 11 | | | 11 | 17.10 | 20.53 | 11 | 20.70 | 20.81 | 11 | | | 11 | | | 11 | 26.00 | 23.29 |
| 12 | | | 12 | 17.30 | 22.46 | 12 | 20.40 | 22.82 | 12 | | | 12 | 25.80 | 22.39 | 12 | | |
| 13 | 13.40 | 21.95 | 13 | 17.00 | 22.77 | 13 | | | 13 | 24.10 | 22.27 | 13 | 25.40 | 23.19 | 13 | | |
| 14 | 13.40 | 22.47 | 14 | 18.30 | 21.09 | 14 | | | 14 | 24.00 | 21.86 | 14 | 25.40 | 23.78 | 14 | 25.00 | 21.33 |
| 15 | 13.90 | 22.62 | 15 | 17.40 | 15.74 | 15 | 20.80 | 22.52 | 15 | 23.30 | 22.45 | 15 | | | 15 | | |
| 16 | 14.10 | 22.80 | 16 | | | 16 | 21.00 | 22.99 | 16 | | | 16 | | | 16 | 26.70 | 23.25 |
| 17 | 13.60 | 23.64 | 17 | | | 17 | 20.60 | 22.92 | 17 | | | 17 | 26.30 | 20.00 | 17 | 25.40 | 22.75 |
| 18 | | | 18 | 17.10 | 19.90 | 18 | 20.20 | 22.69 | 18 | | | 18 | 26.20 | 19.04 | 18 | 25.50 | 22.77 |
| 19 | | | 19 | 17.60 | 20.67 | 19 | 20.70 | 23.25 | 19 | | | 19 | 23.50 | 1.90 | 19 | | |
| 20 | 15.40 | 24.03 | 20 | 17.80 | 21.68 | 20 | | | 20 | 24.00 | 23.30 | 20 | 24.80 | 21.00 | 20 | | |
| 旬平均 | 13.97 | 22.92 | 旬平均 | 17.45 | 20.61 | 旬平均 | 20.63 | 22.57 | 旬平均 | 23.85 | 22.47 | 旬平均 | 25.34 | 18.76 | 旬平均 | 25.72 | 22.68 |
| 21 | 15.10 | 24.16 | 21 | 18.40 | 21.88 | 21 | | | 21 | 25.40 | 23.00 | 21 | | | 21 | 24.50 | 24.13 |
| 22 | 15.10 | 22.96 | 22 | 19.20 | 22.20 | 22 | 21.00 | 23.10 | 22 | 25.70 | 23.06 | 22 | | | 22 | 24.60 | 23.28 |
| 23 | 15.30 | 19.03 | 23 | | | 23 | 20.70 | 22.49 | 23 | 26.80 | 22.55 | 23 | | | 23 | | |
| 24 | 14.60 | 22.61 | 24 | | | 24 | 20.70 | 20.84 | 24 | 26.80 | 22.66 | 24 | 27.00 | 21.10 | 24 | 24.30 | 22.73 |
| 25 | | | 25 | 19.00 | 22.37 | 25 | 21.00 | 21.58 | 25 | | | 25 | 25.60 | 19.03 | 25 | 24.40 | 21.86 |
| 26 | | | 26 | 18.80 | 22.51 | 26 | 21.10 | 21.96 | 26 | | | 26 | 25.70 | 20.68 | 26 | | |
| 27 | 19.60 | 16.50 | 27 | 19.40 | 22.67 | 27 | | | 27 | 26.90 | 23.38 | 27 | 26.50 | 21.10 | 27 | | |
| 28 | 19.40 | 16.90 | 28 | 18.80 | 22.49 | 28 | | | 28 | 27.30 | 23.57 | 28 | 26.90 | 22.04 | 28 | 23.00 | 24.19 |
| 29 | | | 29 | 19.10 | 22.65 | 29 | | | 29 | 27.80 | 23.65 | 29 | | | 29 | 22.90 | 23.48 |
| 30 | | | 30 | 18.90 | 22.61 | 30 | 20.50 | 22.41 | 30 | 26.70 | 23.31 | 30 | | | 30 | 21.80 | 17.07 |
| 31 | | | 31 | | | 31 | | | 31 | 25.90 | 23.39 | 31 | 27.40 | 22.70 | 31 | | |
| 旬平均 | 16.52 | 20.36 | 旬平均 | 18.95 | 22.42 | 旬平均 | 20.83 | 22.06 | 旬平均 | 26.59 | 23.17 | 旬平均 | 26.52 | 21.11 | 旬平均 | 23.64 | 22.39 |
| 月平均 | 14.75 | 21.29 | 月平均 | 17.83 | 21.87 | 月平均 | 20.48 | 21.41 | 月平均 | 24.58 | 21.43 | 月平均 | 25.73 | 20.44 | 月平均 | 25.33 | 22.45 |

観測場所 椿泊漁港（谷ノ浦地区）東堤

| 10月 | | | 11月 | | | 12月 | | | 1月 | | | 2月 | | | 3月 | | |
|-----|-------|-------|-----|-------|-------|-----|-------|-------|-----|-------|-------|-----|-------|-------|-----|-------|-------|
| 日 | 水温 | 比重 |
| 1 | 22.50 | 20.53 | 1 | | | 1 | 17.00 | 23.14 | 1 | | | 1 | 11.90 | 25.04 | 1 | 12.20 | 25.60 |
| 2 | 22.80 | 1.00 | 2 | 20.60 | 23.32 | 2 | 16.40 | 23.72 | 2 | | | 2 | 11.40 | 25.81 | 2 | 12.00 | 25.24 |
| 3 | | | 3 | | | 3 | 16.30 | 22.93 | 3 | | | 3 | 11.40 | 25.86 | 3 | | |
| 4 | | | 4 | 20.20 | 24.06 | 4 | 16.00 | 16.08 | 4 | 12.70 | 24.55 | 4 | 11.20 | 25.62 | 4 | 12.20 | 25.57 |
| 5 | 23.00 | 22.99 | 5 | 20.10 | 23.65 | 5 | | | 5 | 12.70 | 24.50 | 5 | 11.40 | 25.69 | 5 | 12.10 | 25.51 |
| 6 | 22.60 | 23.17 | 6 | 19.80 | 21.90 | 6 | | | 6 | 12.30 | 24.48 | 6 | | | 6 | | |
| 7 | 22.70 | 23.22 | 7 | | | 7 | 15.80 | 19.05 | 7 | | | 7 | | | 7 | | |
| 8 | 22.70 | 23.19 | 8 | | | 8 | | | 8 | 12.30 | 24.63 | 8 | 12.40 | 25.66 | 8 | 12.00 | 25.19 |
| 9 | 21.10 | 18.24 | 9 | 19.80 | 22.93 | 9 | 16.60 | 22.69 | 9 | | | 9 | | | 9 | 11.90 | 24.94 |
| 10 | | | 10 | 19.40 | 23.06 | 10 | 17.30 | 23.32 | 10 | | | 10 | 12.10 | 25.59 | 10 | 12.00 | 25.39 |
| 旬平均 | 22.49 | 18.91 | 旬平均 | 19.98 | 23.15 | 旬平均 | 16.49 | 21.56 | 旬平均 | 12.50 | 24.54 | 旬平均 | 11.69 | 25.61 | 旬平均 | 12.06 | 25.35 |
| 11 | | | 11 | 19.50 | 22.77 | 11 | 16.90 | 24.57 | 11 | 12.70 | 24.57 | 11 | | | 11 | 12.00 | 25.39 |
| 12 | 22.40 | 22.67 | 12 | 19.70 | 23.00 | 12 | | | 12 | 11.90 | 24.65 | 12 | 12.10 | 25.50 | 12 | 11.80 | 25.20 |
| 13 | 22.20 | 23.79 | 13 | 19.80 | 22.62 | 13 | | | 13 | 11.90 | 24.65 | 13 | | | 13 | | |
| 14 | 22.40 | 22.27 | 14 | 19.70 | 22.95 | 14 | 17.20 | 24.74 | 14 | 12.70 | 24.53 | 14 | | | 14 | | |
| 15 | | | 15 | | | 15 | 16.90 | 25.01 | 15 | | | 15 | 11.80 | 25.59 | 15 | 10.50 | 24.04 |
| 16 | | | 16 | 20.10 | 23.11 | 16 | 16.70 | 25.35 | 16 | | | 16 | 11.30 | 25.17 | 16 | 10.30 | 24.55 |
| 17 | | | 17 | 19.90 | 23.83 | 17 | 16.40 | 25.33 | 17 | | | 17 | 11.70 | 24.83 | 17 | 7.90 | 22.77 |
| 18 | | | 18 | 19.70 | 24.57 | 18 | 16.00 | 25.24 | 18 | 12.10 | 24.57 | 18 | 11.60 | 25.17 | 18 | 8.90 | 23.62 |
| 19 | 22.50 | 24.64 | 19 | 19.60 | 23.72 | 19 | | | 19 | 11.80 | 24.73 | 19 | 10.20 | 23.92 | 19 | | |
| 20 | 22.50 | 24.49 | 20 | 19.10 | 18.92 | 20 | | | 20 | 11.70 | 24.78 | 20 | | | 20 | | |
| 旬平均 | 22.40 | 23.57 | 旬平均 | 19.68 | 22.83 | 旬平均 | 16.68 | 25.04 | 旬平均 | 12.11 | 24.64 | 旬平均 | 11.45 | 25.03 | 旬平均 | 10.23 | 24.26 |
| 21 | 22.20 | 24.23 | 21 | | | 21 | 14.70 | 24.96 | 21 | 12.30 | 24.97 | 21 | | | 21 | | |
| 22 | 22.10 | 24.41 | 22 | | | 22 | 14.70 | 25.05 | 22 | 12.30 | 25.00 | 22 | 12.10 | 24.81 | 22 | 10.50 | 24.65 |
| 23 | 21.80 | 24.42 | 23 | | | 23 | | | 23 | | | 23 | 12.20 | 25.44 | 23 | 10.90 | 24.87 |
| 24 | | | 24 | 18.50 | 23.54 | 24 | 13.90 | 25.16 | 24 | | | 24 | 13.10 | 25.76 | 24 | 11.00 | 24.76 |
| 25 | | | 25 | 18.50 | 23.50 | 25 | 13.80 | 25.01 | 25 | 11.90 | 24.82 | 25 | 13.10 | 25.66 | 25 | | |
| 26 | 22.10 | 23.17 | 26 | 18.70 | 23.15 | 26 | | | 26 | 11.90 | 24.86 | 26 | 13.10 | 25.76 | 26 | 11.70 | 25.17 |
| 27 | 22.30 | 24.31 | 27 | 18.00 | 23.32 | 27 | | | 27 | 11.70 | 24.71 | 27 | | | 27 | | |
| 28 | 22.10 | 24.08 | 28 | | | 28 | 13.90 | 25.13 | 28 | 11.40 | 24.93 | 28 | | | 28 | | |
| 29 | 21.50 | 23.17 | 29 | | | 29 | | | 29 | 11.10 | 24.90 | 29 | | | 29 | 11.30 | 25.36 |
| 30 | 21.50 | 23.32 | 30 | 17.30 | 23.28 | 30 | | | 30 | | | 30 | | | 30 | 11.30 | 24.98 |
| 31 | | | 31 | | | 31 | | | 31 | | | 31 | | | 31 | | |
| 旬平均 | 21.95 | 23.89 | 旬平均 | 18.20 | 23.36 | 旬平均 | 14.20 | 25.06 | 旬平均 | 11.80 | 24.88 | 旬平均 | 12.72 | 25.49 | 旬平均 | 11.12 | 24.97 |
| 月平均 | 22.25 | 22.07 | 月平均 | 19.40 | 23.06 | 月平均 | 15.92 | 23.69 | 月平均 | 12.08 | 24.71 | 月平均 | 11.89 | 25.38 | 月平均 | 11.18 | 24.88 |

海水井戸と大浜の水温と塩分（資料）

海水井戸（一次海水）と大浜の平成4年4月から5年3月の間の水温と塩分を表に示す。水温、塩分の観測時刻は午前10時である。

| 観測場所 | | | 一次海水 | | | 4月 | | | 5月 | | | 6月 | | | 7月 | | | 8月 | | | 9月 | | |
|------|------|-------|------|------|-------|-----|------|-------|-----|------|-------|-----|------|-------|-------|------|-------|----|----|----|----|----|----|
| 日 | 水温 | 塩分 | 日 | 水温 | 塩分 | 日 | 水温 | 塩分 | 日 | 水温 | 塩分 | 日 | 水温 | 塩分 | 日 | 水温 | 塩分 | 日 | 水温 | 塩分 | 日 | 水温 | 塩分 |
| 1 | | | 1 | 18.0 | 31.53 | 1 | 19.9 | 30.62 | 1 | 21.3 | 31.78 | 1 | 26.9 | 30.97 | | | | | | | | | |
| 2 | | | 2 | 17.5 | 31.93 | 2 | 20.2 | 30.56 | 2 | 21.7 | 31.57 | 2 | 26.8 | 31.92 | | | | | | | | | |
| 3 | | | 3 | | | 3 | 20.7 | 30.76 | 3 | 21.6 | 31.81 | 3 | 26.4 | 31.86 | | | | | | | | | |
| 4 | | | 4 | | | 4 | 21.0 | 30.82 | 4 | 21.5 | 32.11 | 4 | 25.2 | 31.90 | | | | | | | | | |
| 5 | | | 5 | | | 5 | 21.3 | 30.96 | 5 | 22.4 | 31.48 | 5 | 25.3 | 31.82 | | | | | | | | | |
| 6 | 15.0 | 30.56 | 6 | 18.4 | 30.99 | 6 | 21.4 | 30.82 | 6 | 22.4 | 31.48 | 6 | 25.7 | 31.22 | | | | | | | | | |
| 7 | | | 7 | 19.1 | 31.21 | 7 | | | 7 | 23.0 | 31.63 | 7 | | | | | | | | | | | |
| 8 | | | 8 | | | 8 | 21.5 | 23.26 | 8 | 22.9 | 31.72 | 8 | | 27.5 | 31.93 | | | | | | | | |
| 9 | | | 9 | | | 9 | 21.0 | 24.47 | 9 | 23.3 | 31.86 | 9 | | 27.2 | 31.95 | | | | | | | | |
| 10 | | | 10 | | | 10 | 21.0 | 24.48 | 10 | 24.0 | 31.77 | 10 | | 26.9 | 32.00 | | | | | | | | |
| 旬平均 | 15.0 | 30.56 | 旬平均 | 18.3 | 31.42 | 旬平均 | 20.9 | 28.53 | 旬平均 | 22.4 | 31.75 | 旬平均 | 25.8 | 31.84 | 旬平均 | 27.0 | 31.96 | | | | | | |
| 11 | | | 11 | 17.5 | 30.38 | 11 | 21.5 | 26.59 | 11 | | | 11 | 26.5 | 31.00 | 11 | 26.4 | 32.34 | | | | | | |
| 12 | | | 12 | | | 12 | 21.6 | 28.43 | 12 | | | 12 | 27.1 | 30.92 | 12 | | | | | | | | |
| 13 | | | 13 | 18.6 | 32.05 | 13 | 21.3 | 29.22 | 13 | 24.4 | 31.28 | 13 | | | 13 | | | | | | | | |
| 14 | | | 14 | 19.3 | 31.65 | 14 | | | 14 | 24.0 | 31.42 | 14 | 26.2 | 32.41 | 14 | 26.0 | 32.23 | | | | | | |
| 15 | 15.5 | 29.98 | 15 | 19.2 | 30.94 | 15 | | | 15 | 24.0 | 31.55 | 15 | | | 15 | | | | | | | | |
| 16 | 15.5 | 30.98 | 16 | 19.4 | 30.51 | 16 | 21.2 | 29.56 | 16 | 24.1 | 31.45 | 16 | | | 16 | 25.6 | 32.59 | | | | | | |
| 17 | | | 17 | | | 17 | 21.3 | 29.99 | 17 | 24.0 | 31.32 | 17 | | | 17 | 26.2 | 32.82 | | | | | | |
| 18 | | | 18 | 18.5 | 31.07 | 18 | 21.0 | 30.33 | 18 | 24.3 | 31.41 | 18 | | | 18 | 26.2 | 32.98 | | | | | | |
| 19 | | | 19 | 18.3 | 31.36 | 19 | 21.1 | 30.73 | 19 | | | 19 | | | 19 | | | | | | | | |
| 20 | 15.7 | 32.34 | 20 | 17.9 | 31.24 | 20 | 21.3 | 31.00 | 20 | | | 20 | 25.9 | 27.60 | 20 | | | | | | | | |
| 旬平均 | 15.6 | 31.10 | 旬平均 | 18.6 | 31.15 | 旬平均 | 21.3 | 29.48 | 旬平均 | 24.1 | 31.41 | 旬平均 | 26.4 | 30.48 | 旬平均 | 26.1 | 32.59 | | | | | | |
| 21 | 16.1 | 32.38 | 21 | 18.7 | 31.16 | 21 | | | 21 | 24.9 | 30.88 | 21 | 25.8 | 27.02 | 21 | 25.1 | 32.60 | | | | | | |
| 22 | | | 22 | 19.2 | 30.95 | 22 | 21.2 | 31.18 | 22 | 25.5 | 30.76 | 22 | | | 22 | 24.7 | 32.60 | | | | | | |
| 23 | | | 23 | | | 23 | | | 23 | 25.5 | 30.70 | 23 | | | 23 | | | | | | | | |
| 24 | | | 24 | | | 24 | 20.7 | 30.13 | 24 | 26.2 | 30.60 | 24 | | | 24 | 24.7 | 32.04 | | | | | | |
| 25 | | | 25 | 19.4 | 31.10 | 25 | 21.1 | 30.60 | 25 | | | 25 | | | 25 | | | | | | | | |
| 26 | | | 26 | 18.6 | 31.17 | 26 | 21.2 | 30.45 | 26 | | | 26 | | | 26 | | | | | | | | |
| 27 | | | 27 | 19.0 | 31.18 | 27 | | | 27 | 26.0 | 30.52 | 27 | 26.5 | 29.02 | 27 | | | | | | | | |
| 28 | | | 28 | 19.0 | 31.12 | 28 | | | 28 | 26.7 | 30.78 | 28 | 27.1 | 29.93 | 28 | 23.2 | 33.14 | | | | | | |
| 29 | | | 29 | | | 29 | 21.1 | 31.84 | 29 | 26.6 | 30.97 | 29 | | | 29 | 23.1 | 33.38 | | | | | | |
| 30 | | | 30 | 19.7 | 31.03 | 30 | 21.2 | 31.84 | 30 | 27.0 | 31.21 | 30 | | | 30 | 22.8 | 32.11 | | | | | | |
| 31 | | | 31 | | | 31 | | | 31 | 27.0 | 31.32 | 31 | 27.2 | 30.54 | 31 | | | | | | | | |
| 旬平均 | 16.1 | 32.38 | 旬平均 | 19.1 | 31.10 | 旬平均 | 21.1 | 31.01 | 旬平均 | 26.2 | 30.86 | 旬平均 | 26.7 | 29.13 | 旬平均 | 23.9 | 32.65 | | | | | | |
| 月平均 | 15.6 | 31.25 | 月平均 | 18.7 | 31.19 | 月平均 | 21.1 | 29.51 | 月平均 | 24.2 | 31.33 | 月平均 | 26.2 | 30.59 | 月平均 | 25.8 | 32.34 | | | | | | |

| 10月 | | | 11月 | | | 12月 | | | 1月 | | | 2月 | | | 3月 | | |
|-----|------|-------|-----|------|-------|-----|------|-------|-----|------|-------|-----|------|-------|-----|------|-------|
| 日 | 水温 | 塩分 |
| 1 | 23.2 | 32.15 | 1 | | | 1 | 18.0 | 33.66 | 1 | | | 1 | 13.0 | 33.84 | 1 | 15.9 | 33.76 |
| 2 | 23.5 | 31.86 | 2 | 20.2 | 33.46 | 2 | 18.5 | 33.62 | 2 | | | 2 | 13.4 | 33.75 | 2 | 14.8 | 33.68 |
| 3 | | | 3 | | | 3 | 17.3 | 33.56 | 3 | | | 3 | 13.0 | 33.46 | 3 | 15.7 | 33.41 |
| 4 | | | 4 | 20.7 | 33.78 | 4 | 16.7 | 33.38 | 4 | | | 4 | 13.0 | 33.49 | 4 | 16.1 | 33.07 |
| 5 | 23.4 | 32.26 | 5 | 20.9 | 33.93 | 5 | | | 5 | 14.6 | 31.22 | 5 | 14.0 | 33.55 | 5 | | |
| 6 | 22.2 | 32.53 | 6 | 20.9 | 32.71 | 6 | | | 6 | 14.2 | 31.06 | 6 | | | 6 | | |
| 7 | 21.8 | 32.75 | 7 | | | 7 | | | 7 | 15.5 | 31.48 | 7 | | | 7 | | |
| 8 | | | 8 | | | 8 | 18.0 | 30.76 | 8 | 15.3 | 32.30 | 8 | 15.0 | 33.84 | 8 | 15.3 | 33.16 |
| 9 | 21.6 | 32.43 | 9 | 20.1 | 33.21 | 9 | 17.2 | 32.14 | 9 | | | 9 | 14.3 | 33.88 | 9 | 15.3 | 33.15 |
| 10 | | | 10 | 20.4 | 33.38 | 10 | 16.3 | 32.69 | 10 | | | 10 | 14.0 | 33.78 | 10 | | |
| 旬平均 | 22.6 | 32.33 | 旬平均 | 20.5 | 33.41 | 旬平均 | 17.4 | 32.83 | 旬平均 | 14.9 | 31.52 | 旬平均 | 13.7 | 33.70 | 旬平均 | 15.5 | 33.37 |
| 11 | | | 11 | 19.4 | 33.28 | 11 | 16.5 | 33.01 | 11 | 14.4 | 32.87 | 11 | | | 11 | 14.8 | 33.28 |
| 12 | 22.2 | 32.81 | 12 | 19.4 | 33.25 | 12 | | | 12 | 14.6 | 33.05 | 12 | 15.2 | 33.81 | 12 | 14.6 | 32.96 |
| 13 | 22.3 | 32.97 | 13 | 19.3 | 33.20 | 13 | | | 13 | 14.5 | 32.93 | 13 | | | 13 | | |
| 14 | | | 14 | | | 14 | 16.6 | 33.24 | 14 | 14.3 | 32.94 | 14 | | | 14 | | |
| 15 | 23.2 | 32.99 | 15 | | | 15 | 14.8 | 33.20 | 15 | | | 15 | 15.5 | 33.41 | 15 | 13.8 | 32.67 |
| 16 | | | 16 | 19.4 | 33.54 | 16 | 14.9 | 33.16 | 16 | | | 16 | 15.5 | 33.18 | 16 | 12.6 | 32.62 |
| 17 | | | 17 | 19.2 | 33.35 | 17 | 15.1 | 32.91 | 17 | | | 17 | 16.1 | 32.98 | 17 | 13.1 | 32.89 |
| 18 | | | 18 | 18.2 | 33.30 | 18 | 14.9 | 32.79 | 18 | 14.1 | 32.96 | 18 | 15.5 | 33.46 | 18 | 13.4 | 32.67 |
| 19 | 22.4 | 33.08 | 19 | 18.8 | 33.29 | 19 | | | 19 | 13.5 | 32.73 | 19 | 16.0 | 33.36 | 19 | 13.4 | 32.51 |
| 20 | 22.2 | 32.82 | 20 | 20.0 | 32.84 | 20 | | | 20 | 13.3 | 32.64 | 20 | | | 20 | | |
| 旬平均 | 22.5 | 32.93 | 旬平均 | 19.2 | 33.26 | 旬平均 | 15.5 | 33.05 | 旬平均 | 13.5 | 32.87 | 旬平均 | 15.6 | 33.37 | 旬平均 | 13.7 | 32.80 |
| 21 | 21.8 | 32.94 | 21 | | | 21 | | | 21 | 13.5 | 32.39 | 21 | | | 21 | | |
| 22 | 22.0 | 33.08 | 22 | | | 22 | 15.5 | 32.73 | 22 | 13.0 | 32.35 | 22 | 16.4 | 33.21 | 22 | 13.1 | 31.93 |
| 23 | 21.8 | 33.08 | 23 | | | 23 | | | 23 | | | 23 | 16.0 | 33.33 | 23 | 13.6 | 32.32 |
| 24 | | | 24 | 18.4 | 33.52 | 24 | 14.5 | 32.72 | 24 | | | 24 | 16.1 | 33.71 | 24 | 13.9 | 32.25 |
| 25 | | | 25 | 18.0 | 33.32 | 25 | 13.7 | 32.63 | 25 | 13.1 | 32.74 | 25 | 16.0 | 33.74 | 25 | 14.2 | 32.38 |
| 26 | 21.8 | 32.94 | 26 | 17.8 | 33.24 | 26 | | | 26 | 13.4 | 32.91 | 26 | 16.0 | 33.57 | 26 | 14.1 | 32.17 |
| 27 | 20.7 | 33.14 | 27 | 16.6 | 33.27 | 27 | | | 27 | 13.0 | 33.11 | 27 | | | 27 | | |
| 28 | | | 28 | | | 28 | 15.5 | 32.37 | 28 | 13.1 | 33.56 | 28 | | | 28 | | |
| 29 | 21.0 | 33.47 | 29 | | | 29 | | | 29 | 12.4 | 33.82 | 29 | | | 29 | 13.3 | 32.04 |
| 30 | 21.1 | 33.50 | 30 | 18.2 | 33.44 | 30 | | | 30 | | | 30 | | | 30 | | |
| 31 | | | 31 | | | 31 | | | 31 | | | 31 | | | 31 | | |
| 旬平均 | 21.5 | 33.16 | 旬平均 | 17.8 | 33.36 | 旬平均 | 14.8 | 32.61 | 旬平均 | 13.1 | 32.98 | 旬平均 | 16.1 | 33.51 | 旬平均 | 13.7 | 32.18 |
| 月平均 | 22.1 | 32.82 | 月平均 | 19.3 | 33.33 | 月平均 | 16.1 | 32.86 | 月平均 | 13.9 | 32.61 | 月平均 | 14.9 | 33.54 | 月平均 | 14.3 | 32.79 |

観測場所 大浜

| 4月 | | | 5月 | | | 6月 | | | 7月 | | | 8月 | | | 9月 | | |
|-----|------|-------|-----|------|-------|-----|------|-------|-----|------|-------|-----|------|-------|-----|------|-------|
| 日 | 水温 | 塩分 |
| 1 | | | 1 | 18.0 | 32.73 | 1 | 20.5 | 32.50 | 1 | 22.2 | 32.33 | 1 | | | 1 | 26.2 | 32.01 |
| 2 | | | 2 | 17.6 | 33.20 | 2 | 20.5 | 32.50 | 2 | 21.7 | 32.39 | 2 | | | 2 | 27.0 | 32.66 |
| 3 | | | 3 | | | 3 | 21.0 | 32.52 | 3 | 21.7 | 32.79 | 3 | 24.9 | 33.07 | 3 | 26.8 | 33.02 |
| 4 | | | 4 | | | 4 | 20.9 | 32.76 | 4 | 22.2 | 33.23 | 4 | 24.0 | 32.80 | 4 | 27.5 | 33.18 |
| 5 | | | 5 | | | 5 | 20.6 | 32.91 | 5 | | | 5 | 24.9 | 32.71 | 5 | | |
| 6 | 15.4 | 28.56 | 6 | 17.6 | 33.34 | 6 | 20.4 | 33.20 | 6 | 23.2 | 32.25 | 6 | 25.2 | 33.12 | 6 | | |
| 7 | | | 7 | | | 7 | | | 7 | 23.7 | 32.79 | 7 | | | 7 | 27.0 | 31.26 |
| 8 | | | 8 | | | 8 | 20.0 | 30.73 | 8 | 24.6 | 33.30 | 8 | | | 8 | 27.0 | 31.34 |
| 9 | | | 9 | | | 9 | 20.4 | 31.97 | 9 | 24.7 | 33.06 | 9 | | | 9 | 26.4 | 31.80 |
| 10 | | | 10 | | | 10 | 21.3 | 32.08 | 10 | 25.0 | 32.96 | 10 | 26.5 | 32.99 | 10 | 26.7 | 31.92 |
| 旬平均 | 15.4 | 28.56 | 旬平均 | 17.7 | 33.09 | 旬平均 | 20.6 | 32.35 | 旬平均 | 23.2 | 32.79 | 旬平均 | 25.1 | 32.94 | 旬平均 | 26.8 | 32.15 |
| 11 | | | 11 | 18.6 | 32.87 | 11 | 21.2 | 31.31 | 11 | | | 11 | 27.2 | 31.06 | 11 | 26.2 | 31.97 |
| 12 | | | 12 | 18.6 | 32.88 | 12 | 20.2 | 30.94 | 12 | | | 12 | 26.7 | 31.73 | 12 | | |
| 13 | | | 13 | 17.8 | 32.52 | 13 | | | 13 | 25.3 | 32.43 | 13 | | | 13 | | |
| 14 | | | 14 | 18.0 | 32.25 | 14 | | | 14 | 23.7 | 32.60 | 14 | 25.2 | 31.99 | 14 | 25.6 | 32.04 |
| 15 | 14.7 | 32.40 | 15 | 17.7 | 32.04 | 15 | 20.5 | 32.26 | 15 | 24.0 | 33.07 | 15 | | | 15 | | |
| 16 | 15.3 | 32.60 | 16 | 17.9 | 31.87 | 16 | 20.8 | 31.86 | 16 | 24.5 | 32.98 | 16 | | | 16 | 26.0 | 33.06 |
| 17 | | | 17 | | | 17 | 20.5 | 32.45 | 17 | 23.4 | 32.76 | 17 | | | 17 | 26.4 | 33.47 |
| 18 | | | 18 | 17.4 | 32.00 | 18 | 20.5 | 32.39 | 18 | 24.0 | 32.98 | 18 | | | 18 | 26.4 | 33.73 |
| 19 | | | 19 | 17.8 | 32.10 | 19 | 20.7 | 32.68 | 19 | | | 19 | | | 19 | | |
| 20 | 16.4 | 33.59 | 20 | 18.1 | 32.21 | 20 | 21.5 | 32.58 | 20 | | | 20 | | | 20 | | |
| 旬平均 | 15.5 | 32.86 | 旬平均 | 18.0 | 32.30 | 旬平均 | 20.7 | 32.06 | 旬平均 | 24.2 | 32.80 | 旬平均 | 26.4 | 31.59 | 旬平均 | 26.1 | 32.85 |
| 21 | 16.0 | 32.80 | 21 | 18.3 | 32.15 | 21 | | | 21 | 25.0 | 32.91 | 21 | 25.8 | 29.17 | 21 | 24.2 | 32.30 |
| 22 | | | 22 | 19.4 | 32.45 | 22 | 20.5 | 32.58 | 22 | 25.5 | 33.14 | 22 | | | 22 | 24.2 | 32.91 |
| 23 | | | 23 | | | 23 | | | 23 | 26.0 | 33.04 | 23 | | | 23 | | |
| 24 | | | 24 | | | 24 | 20.7 | 32.15 | 24 | 26.0 | 33.24 | 24 | | | 24 | 24.7 | 31.74 |
| 25 | | | 25 | 20.0 | 32.64 | 25 | 20.5 | 29.88 | 25 | | | 25 | | | 25 | | |
| 26 | | | 26 | 19.7 | 33.01 | 26 | 20.4 | 31.71 | 26 | | | 26 | | | 26 | | |
| 27 | | | 27 | 20.5 | 32.89 | 27 | | | 27 | 27.2 | 32.86 | 27 | 27.0 | 31.11 | 27 | | |
| 28 | | | 28 | 20.0 | 32.68 | 28 | | | 28 | 26.6 | 32.85 | 28 | 27.1 | 30.68 | 28 | 24.2 | 33.30 |
| 29 | | | 29 | 20.9 | 33.14 | 29 | 21.3 | 32.81 | 29 | 26.6 | 32.79 | 29 | | | 29 | 23.7 | 33.57 |
| 30 | | | 30 | | | 30 | 21.4 | 32.38 | 30 | 25.5 | 32.80 | 30 | | | 30 | 24.0 | 32.35 |
| 31 | | | 31 | | | 31 | | | 31 | 25.5 | 32.82 | 31 | 27.2 | 30.70 | 31 | | |
| 旬平均 | 16.0 | 32.80 | 旬平均 | 19.8 | 32.71 | 旬平均 | 20.8 | 31.92 | 旬平均 | 26.0 | 32.94 | 旬平均 | 26.8 | 30.42 | 旬平均 | 24.2 | 32.70 |
| 月平均 | 15.6 | 31.99 | 月平均 | 18.6 | 32.58 | 月平均 | 20.7 | 32.14 | 月平均 | 24.5 | 32.85 | 月平均 | 26.0 | 31.76 | 月平均 | 25.8 | 32.51 |

| 10月 | | | 11月 | | | 12月 | | | 1月 | | | 2月 | | | 3月 | | |
|-----|------|-------|-----|------|-------|-----|------|-------|-----|------|-------|-----|------|-------|-----|------|-------|
| 日 | 水温 | 塩分 |
| 1 | 23.2 | 31.76 | 1 | | | 1 | 19.2 | 33.96 | 1 | | | 1 | 16.2 | 34.63 | 1 | 16.4 | 34.60 |
| 2 | 23.5 | 30.54 | 2 | 21.6 | 33.49 | 2 | 19.4 | 33.93 | 2 | | | 2 | 15.5 | 34.59 | 2 | 15.8 | 34.53 |
| 3 | | | 3 | | | 3 | 18.3 | 33.24 | 3 | | | 3 | 15.5 | 34.46 | 3 | 15.6 | 34.38 |
| 4 | | | 4 | 22.6 | 34.00 | 4 | 17.6 | 33.37 | 4 | | | 4 | 16.0 | 34.50 | 4 | 15.7 | 34.50 |
| 5 | 22.5 | 32.44 | 5 | 22.8 | 34.00 | 5 | | | 5 | 14.4 | 33.35 | 5 | 16.1 | 34.46 | 5 | | |
| 6 | 22.5 | 32.64 | 6 | 21.7 | 32.35 | 6 | | | 6 | 15.2 | 33.57 | 6 | | | 6 | | |
| 7 | 22.2 | 32.54 | 7 | | | 7 | | | 7 | 16.2 | 33.69 | 7 | | | 7 | | |
| 8 | | | 8 | | | 8 | 18.0 | 29.84 | 8 | 14.8 | 33.25 | 8 | 16.2 | 34.66 | 8 | 15.6 | 34.33 |
| 9 | 23.7 | 32.70 | 9 | 20.8 | 33.42 | 9 | 18.0 | 32.11 | 9 | | | 9 | 15.5 | 34.60 | 9 | 15.2 | 34.08 |
| 10 | | | 10 | 21.8 | 33.59 | 10 | 18.7 | 33.57 | 10 | | | 10 | 15.4 | 34.51 | 10 | | |
| 旬平均 | 22.9 | 32.10 | 旬平均 | 21.9 | 33.48 | 旬平均 | 18.5 | 32.86 | 旬平均 | 15.2 | 33.47 | 旬平均 | 15.8 | 34.55 | 旬平均 | 15.7 | 34.40 |
| 11 | | | 11 | 20.9 | 33.41 | 11 | 17.3 | 32.75 | 11 | 15.9 | 34.11 | 11 | | | 11 | 13.8 | 33.77 |
| 12 | 23.1 | 33.17 | 12 | 20.2 | 33.37 | 12 | | | 12 | 15.1 | 33.63 | 12 | 16.1 | 34.59 | 12 | 13.0 | 33.47 |
| 13 | 23.0 | 32.59 | 13 | 21.1 | 33.61 | 13 | | | 13 | 14.3 | 33.66 | 13 | | | 13 | | |
| 14 | | | 14 | | | 14 | 18.0 | 33.37 | 14 | 14.1 | 33.47 | 14 | | | 14 | | |
| 15 | 23.3 | 33.41 | 15 | | | 15 | 17.7 | 33.95 | 15 | | | 15 | 16.6 | 34.84 | 15 | | |
| 16 | | | 16 | 20.8 | 33.70 | 16 | 18.2 | 34.09 | 16 | | | 16 | 16.8 | 34.65 | 16 | 13.8 | 34.27 |
| 17 | | | 17 | 20.2 | 33.64 | 17 | 18.0 | 34.07 | 17 | | | 17 | | | 17 | 13.5 | 33.58 |
| 18 | | | 18 | 19.9 | 33.51 | 18 | 17.4 | 33.78 | 18 | 13.9 | 33.38 | 18 | 17.3 | 33.28 | 18 | 13.6 | 33.46 |
| 19 | 22.8 | 32.89 | 19 | 20.8 | 33.67 | 19 | | | 19 | 13.1 | 33.33 | 19 | 16.7 | 33.17 | 19 | 12.3 | 32.85 |
| 20 | 22.4 | 32.63 | 20 | 21.2 | 33.13 | 20 | | | 20 | 13.9 | 33.60 | 20 | | | 20 | | |
| 旬平均 | 22.9 | 32.94 | 旬平均 | 20.6 | 33.51 | 旬平均 | 17.8 | 33.67 | 旬平均 | 14.3 | 33.60 | 旬平均 | 16.7 | 34.11 | 旬平均 | 13.3 | 33.57 |
| 21 | 22.4 | 33.36 | 21 | | | 21 | 17.0 | 33.57 | 21 | 13.8 | 33.68 | 21 | | | 21 | | |
| 22 | 23.0 | 33.28 | 22 | | | 22 | 16.5 | 33.91 | 22 | 14.5 | 33.94 | 22 | | | 22 | 12.4 | 33.35 |
| 23 | 23.0 | 33.57 | 23 | | | 23 | | | 23 | | | 23 | 17.3 | 34.15 | 23 | 12.6 | 33.37 |
| 24 | | | 24 | 20.7 | 33.70 | 24 | 16.4 | 33.88 | 24 | | | 24 | 17.4 | 34.18 | 24 | 13.3 | 33.49 |
| 25 | | | 25 | 19.4 | 33.31 | 25 | 16.5 | 30.09 | 25 | | | 25 | 16.0 | 34.41 | 25 | 13.3 | 32.87 |
| 26 | 22.4 | 33.52 | 26 | 19.1 | 33.56 | 26 | | | 26 | 14.0 | 33.80 | 26 | 16.0 | 34.61 | 26 | 13.5 | 33.70 |
| 27 | 22.8 | 33.73 | 27 | 17.9 | 33.35 | 27 | | | 27 | 13.7 | 33.81 | 27 | 16.1 | 34.44 | 27 | | |
| 28 | 23.0 | 33.43 | 28 | | | 28 | 17.7 | 34.34 | 28 | 16.2 | 34.50 | 28 | | | 28 | | |
| 29 | 23.1 | 34.00 | 29 | | | 29 | | | 29 | 16.2 | 34.55 | 29 | | | 29 | | |
| 30 | 23.5 | 34.12 | 30 | 19.4 | 33.83 | 30 | | | 30 | | | 30 | | | 30 | | |
| 31 | | | 31 | | | 31 | | | 31 | | | 31 | | | 31 | | |
| 旬平均 | 22.9 | 33.63 | 旬平均 | 19.3 | 33.55 | 旬平均 | 16.8 | 33.16 | 旬平均 | 14.7 | 34.05 | 旬平均 | 16.6 | 34.36 | 旬平均 | 12.9 | 33.37 |
| 月平均 | 22.9 | 32.96 | 月平均 | 20.7 | 33.51 | 月平均 | 17.8 | 33.21 | 月平均 | 14.7 | 33.72 | 月平均 | 16.3 | 34.37 | 月平均 | 14.0 | 33.78 |

鳴門分場における汲み上げ海水の水温と比重（平成4年4月1日～平成5年3月31日）

| | 4月 | | 5月 | | 6月 | | 7月 | | 8月 | | 9月 | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 水温 | 比重 |
| 1 | 11.1 | 23.9 | 14.0 | 23.8 | 17.6 | 23.5 | | | | | 25.7 | 23.5 |
| 2 | 11.2 | 23.9 | 14.2 | 23.9 | 17.7 | 23.5 | 20.0 | 24.1 | 23.9 | 23.8 | 25.7 | 23.5 |
| 3 | 11.4 | 24.2 | 14.3 | 23.9 | 17.8 | 23.6 | 20.2 | 23.9 | 23.8 | 24.0 | 25.8 | 23.5 |
| 4 | 11.4 | 23.9 | | | 17.9 | 23.6 | 20.4 | 23.7 | 23.5 | 23.9 | 26.2 | 23.5 |
| 5 | | | 14.6 | 23.9 | 17.9 | 23.9 | | | 23.2 | 23.9 | 26.8 | 23.6 |
| 6 | 11.5 | 23.9 | 14.8 | 24.0 | 17.9 | 23.9 | 20.7 | 24.0 | 23.5 | 23.9 | | |
| 7 | 11.5 | 23.9 | 14.7 | 24.0 | | | 20.9 | 24.1 | | | 26.5 | 23.5 |
| 8 | 11.7 | 24.0 | 15.1 | 23.8 | 17.8 | 23.9 | 21.1 | 23.8 | | | 26.5 | 23.6 |
| 9 | 12.2 | 23.7 | 14.9 | 23.8 | 18.0 | 23.9 | 21.4 | 23.9 | 23.4 | 23.9 | 26.4 | 23.5 |
| 10 | 12.0 | 23.6 | | | 18.3 | 24.0 | 21.7 | 23.7 | 23.9 | 24.0 | 26.3 | 23.5 |
| 上旬平均 | 11.6 | 23.9 | 14.6 | 23.8 | 17.9 | 23.7 | 20.8 | 23.9 | 23.6 | 23.9 | 26.2 | 23.5 |
| 11 | | | 14.7 | 23.8 | 18.2 | 24.0 | 22.3 | 23.6 | | | 25.9 | 23.6 |
| 12 | 12.2 | 24.0 | 15.0 | 23.8 | 18.9 | 23.8 | | | 24.2 | 23.9 | 25.4 | 23.7 |
| 13 | 12.1 | 24.0 | 14.9 | 23.9 | 19.4 | 23.9 | 22.6 | 23.7 | 24.0 | 23.6 | | |
| 14 | 12.0 | 24.0 | 15.2 | 23.8 | | | 22.0 | 23.8 | 24.3 | 23.6 | 25.3 | 23.7 |
| 15 | 12.2 | 24.0 | 15.5 | 23.6 | 19.1 | 23.7 | 22.0 | 23.9 | 24.2 | 23.4 | | |
| 16 | 12.4 | 23.9 | 15.8 | 23.5 | 19.5 | 23.8 | 22.0 | 23.9 | | | 25.5 | 23.8 |
| 17 | 12.5 | 24.1 | | | 19.6 | 23.8 | 22.0 | 23.9 | 24.7 | 23.8 | 25.5 | 24.0 |
| 18 | 12.7 | 23.6 | 16.0 | 23.7 | 19.5 | 24.0 | 22.0 | 23.9 | 24.5 | 23.7 | 25.5 | 24.0 |
| 19 | | | | | 19.7 | 24.0 | | | 24.4 | 22.7 | 25.6 | 23.8 |
| 20 | 12.6 | 23.9 | 16.3 | 24.1 | 19.9 | 24.1 | 22.3 | 23.9 | 24.4 | 22.7 | | |
| 中旬平均 | 12.3 | 23.9 | 15.4 | 23.8 | 19.3 | 23.9 | 22.2 | 23.8 | 24.3 | 23.4 | 25.5 | 23.8 |
| 21 | 12.8 | 23.6 | 16.6 | 23.8 | | | 22.8 | 23.8 | 24.6 | 23.7 | 25.2 | 23.9 |
| 22 | 12.9 | 23.6 | 16.7 | 23.8 | 20.0 | 23.9 | 22.6 | 23.7 | | | 25.0 | 23.8 |
| 23 | 12.9 | 23.9 | 16.8 | 23.9 | 19.8 | 24.0 | 22.7 | 23.7 | 26.1 | 23.9 | | |
| 24 | 12.9 | 23.9 | | | 20.0 | 23.9 | 23.0 | 23.8 | 26.1 | 23.9 | 24.9 | 23.8 |
| 25 | 13.2 | 23.7 | 17.6 | 23.8 | 20.4 | 24.0 | 24.7 | 23.8 | 25.1 | 23.7 | | |
| 26 | | | 17.7 | 23.8 | 20.3 | 23.9 | | | 25.5 | 23.8 | 25.1 | 24.1 |
| 27 | 13.8 | 23.8 | 17.8 | 23.9 | 20.3 | 24.1 | 24.0 | 23.9 | 25.7 | 23.3 | 24.7 | 24.3 |
| 28 | 14.3 | 23.9 | 17.6 | 23.8 | | | 25.1 | 23.9 | 25.5 | 23.5 | 24.9 | 24.3 |
| 29 | | | 17.4 | 23.8 | 20.1 | 24.1 | 25.1 | 23.9 | 25.6 | 23.5 | 26.0 | 24.6 |
| 30 | 13.7 | 23.8 | 17.5 | 23.8 | 20.0 | 24.1 | 24.8 | 23.8 | | | 24.8 | 24.1 |
| 31 | | | | 23.7 | | | 24.8 | 23.8 | 25.6 | 23.5 | | |
| 下旬平均 | 13.3 | 23.8 | 17.3 | 23.8 | 20.1 | 24.0 | 24.0 | 23.8 | 25.5 | 23.6 | 25.1 | 24.1 |
| 月平均 | 12.4 | 23.9 | 15.9 | 23.8 | 19.1 | 23.9 | 22.4 | 23.8 | 24.6 | 23.6 | 25.6 | 23.8 |

| | 10月 | | 11月 | | 12月 | | 1月 | | 2月 | | 3月 | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 水温 | 比重 |
| 1 | 23.9 | 24.0 | | | 16.9 | 24.4 | | | 10.1 | 24.7 | 9.3 | 24.6 |
| 2 | 24.0 | 23.9 | 20.3 | 24.1 | 16.8 | 24.4 | | | 9.8 | 24.4 | 9.0 | 24.6 |
| 3 | 24.2 | 23.9 | 20.4 | 24.5 | 16.8 | 24.4 | | | 9.8 | 24.5 | 8.9 | 24.5 |
| 4 | | | 20.2 | 24.3 | 16.8 | 24.4 | 12.6 | 24.6 | 10.2 | 24.5 | 9.0 | 24.6 |
| 5 | 23.8 | 23.8 | 20.4 | 24.4 | 16.6 | 24.3 | 12.7 | 24.6 | 10.4 | 24.7 | 9.2 | 24.6 |
| 6 | 23.3 | 24.3 | 20.4 | 24.2 | | | 12.7 | 24.6 | 10.3 | 24.7 | 9.6 | 24.4 |
| 7 | 23.2 | 24.2 | 20.2 | 24.3 | 16.8 | 24.4 | 13.0 | 24.7 | | | | |
| 8 | 23.0 | 24.1 | | | 16.8 | 24.4 | 12.9 | 24.6 | 10.1 | 24.7 | 9.7 | 24.4 |
| 9 | 22.8 | 24.1 | 20.2 | 24.4 | 16.7 | 24.3 | 12.7 | 24.6 | 10.3 | 24.2 | 9.7 | 24.4 |
| 10 | | | 20.0 | 24.2 | 16.7 | 24.5 | | | 10.1 | 24.7 | 9.8 | 24.5 |
| 上旬平均 | 23.5 | 24.0 | 20.3 | 24.3 | 16.8 | 24.4 | 12.8 | 24.6 | 10.1 | 24.6 | 9.4 | 24.5 |
| 11 | 22.7 | 24.2 | 19.8 | 24.0 | 16.4 | 24.8 | 12.6 | 24.6 | 10.0 | 24.7 | 9.9 | 24.5 |
| 12 | 22.7 | 24.2 | 19.5 | 24.4 | 16.1 | 24.7 | 12.4 | 24.6 | 9.8 | 24.7 | 9.8 | 24.5 |
| 13 | 22.7 | 24.2 | 19.6 | 24.5 | | | 12.2 | 24.5 | 9.9 | 24.7 | 9.5 | 24.1 |
| 14 | 22.6 | 24.2 | 19.6 | 24.5 | 15.2 | 24.5 | 12.2 | 24.0 | | | | |
| 15 | 22.7 | 24.0 | | | 14.6 | 24.4 | | | 9.9 | 24.7 | 9.8 | 24.2 |
| 16 | 22.5 | 24.2 | 19.1 | 24.4 | 14.7 | 24.6 | 12.3 | 24.5 | 10.1 | 24.7 | 9.8 | 24.4 |
| 17 | 22.4 | 24.2 | 19.0 | 24.2 | 14.7 | 24.6 | | | 10.3 | 24.5 | 9.6 | 24.6 |
| 18 | | | 18.9 | 24.3 | 14.4 | 24.6 | 11.9 | 24.5 | 10.4 | 24.5 | 9.6 | 24.6 |
| 19 | 22.5 | 24.0 | 18.8 | 24.1 | 14.2 | 24.6 | 11.6 | 24.6 | 10.4 | 24.5 | 10.0 | 24.7 |
| 20 | 22.4 | 24.0 | 19.0 | 24.1 | | | 11.7 | 24.6 | 10.3 | 24.7 | 10.2 | 24.7 |
| 中旬平均 | 22.6 | 24.1 | 19.3 | 24.3 | 15.0 | 24.6 | 12.1 | 24.5 | 10.1 | 24.6 | 9.8 | 24.5 |
| 21 | 22.2 | 24.1 | | | 14.4 | 24.6 | 11.5 | 24.6 | | | | |
| 22 | 22.1 | 24.1 | | | 14.4 | 24.6 | 11.6 | 24.6 | 10.5 | 24.6 | 10.4 | 24.7 |
| 23 | 22.1 | 24.1 | 18.3 | 24.2 | | | 11.4 | 24.4 | 10.2 | 24.5 | 10.4 | 24.7 |
| 24 | 22.0 | 24.3 | 18.3 | 24.4 | 13.8 | 24.6 | | | 9.9 | 24.2 | 10.6 | 24.8 |
| 25 | | | 18.3 | 24.4 | 13.4 | 24.5 | 11.3 | 24.4 | 9.8 | 24.7 | 10.6 | 24.6 |
| 26 | 21.5 | 24.4 | 18.0 | 24.6 | 13.2 | 24.7 | 11.2 | 23.9 | 9.7 | 24.6 | 10.5 | 24.6 |
| 27 | 21.4 | 24.4 | 17.5 | 24.7 | | | 11.1 | 24.4 | 9.5 | 24.6 | 10.4 | 24.5 |
| 28 | 21.3 | 24.4 | 17.4 | 24.8 | 13.3 | 24.7 | 10.6 | 24.3 | | | | |
| 29 | 21.3 | 24.4 | | | 13.1 | 24.7 | 10.2 | 24.4 | | | | |
| 30 | 21.3 | 24.4 | 17.0 | 24.7 | | | 10.7 | 24.6 | | | | |
| 31 | 20.9 | 24.3 | | | 12.9 | 24.6 | | | | | | |
| 下旬平均 | 21.6 | 24.3 | 17.8 | 24.5 | 13.6 | 24.6 | 11.1 | 24.4 | 9.9 | 24.5 | 10.5 | 24.7 |
| 月平均 | 22.4 | 24.2 | 19.2 | 24.4 | 15.1 | 24.5 | 11.9 | 24.5 | 10.1 | 24.6 | 9.8 | 24.5 |

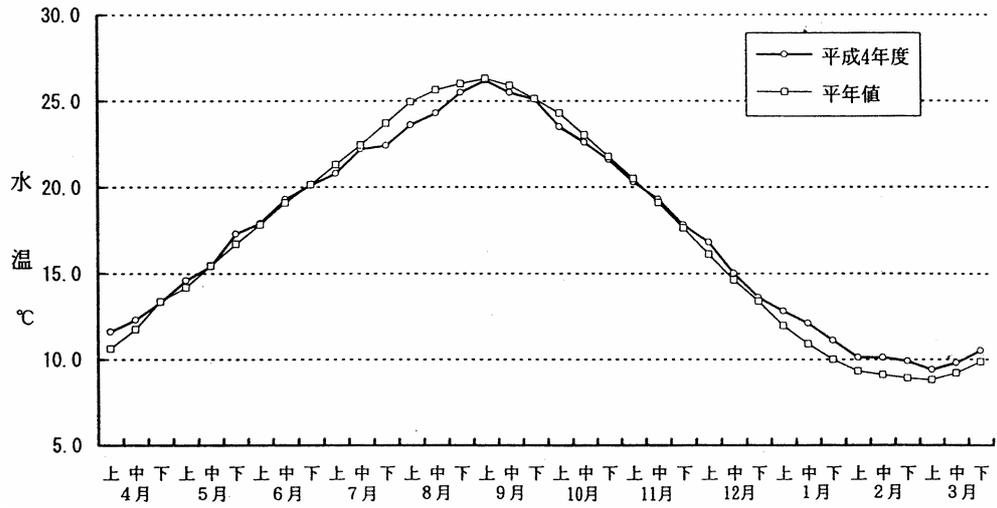


図 平成4年度における鳴門分場汲み上げ海水の水温旬別平均値と平年値（昭和44年～平成3年）との比較

鳴門分場における汲み上げ海水水温旬別平均一覧

| 年 | 1 | | | 2 | | | 3 | | | 4 | | | 5 | | | 6 | | |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 上 | 中 | 下 | 上 | 中 | 下 | 上 | 中 | 下 | 上 | 中 | 下 | 上 | 中 | 下 | 上 | 中 | 下 |
| 44 | 12.4 | 10.9 | 10.7 | 10.1 | 10.0 | 9.4 | 9.2 | 9.1 | 9.7 | 10.6 | 11.3 | 13.0 | 14.1 | 15.9 | 17.0 | 18.2 | 19.4 | 20.2 |
| 45 | 11.2 | 9.4 | 8.7 | 8.0 | 8.2 | 8.2 | 8.0 | 8.4 | 8.7 | 9.2 | 10.6 | 11.9 | 12.9 | 14.8 | 15.5 | 16.4 | 17.6 | 18.9 |
| 46 | 11.9 | 11.1 | 10.5 | 9.3 | 9.2 | 9.0 | 8.7 | 8.7 | 9.7 | 10.5 | 11.8 | 13.0 | | | 17.5 | 19.4 | 20.4 | |
| 47 | 12.5 | 12.1 | 11.6 | 10.9 | 10.4 | 10.0 | 9.9 | 10.7 | 11.0 | 11.3 | 12.2 | 13.4 | 15.0 | 15.9 | 17.0 | 17.9 | 19.5 | 20.0 |
| 48 | | | | | | | | | | 11.9 | 12.9 | 13.8 | 15.3 | 16.5 | 17.5 | 18.2 | 19.4 | 20.5 |
| 49 | 10.5 | 9.4 | 8.6 | 8.0 | 7.4 | 7.6 | 8.3 | 8.4 | 8.9 | 9.9 | 11.5 | 12.8 | 13.9 | 14.9 | 16.6 | 18.1 | 19.1 | 20.4 |
| 50 | 12.1 | 10.9 | 9.8 | 9.6 | 9.0 | 8.5 | 8.8 | 9.6 | 9.9 | 10.6 | 11.5 | 12.6 | 14.5 | 15.3 | 16.8 | 18.0 | 19.6 | 20.8 |
| 51 | 12.0 | 10.9 | 9.2 | 9.1 | 9.5 | 9.7 | 9.7 | 10.4 | 10.5 | 10.8 | 11.9 | 13.1 | 14.6 | 15.5 | 16.8 | 17.9 | 19.2 | 19.9 |
| 52 | 10.2 | 9.3 | 8.3 | 8.2 | 7.6 | 6.7 | 7.5 | 8.4 | 9.2 | 10.3 | 11.4 | 12.4 | 13.7 | 15.4 | 16.2 | 17.6 | 19.2 | 19.4 |
| 53 | 13.0 | 11.8 | 10.6 | 9.2 | 8.6 | 8.6 | 8.6 | 9.0 | 9.6 | 10.6 | 11.7 | 12.7 | 13.9 | 15.2 | 16.9 | 18.0 | 19.7 | 20.5 |
| 54 | 13.4 | 12.6 | 11.4 | 10.6 | 10.5 | 10.6 | 10.3 | 10.7 | 11.3 | 11.5 | 12.7 | 13.5 | 14.6 | 15.8 | 17.3 | 18.0 | 19.1 | 20.6 |
| 55 | 12.9 | 11.7 | 10.3 | 9.2 | 8.4 | 8.3 | 8.6 | 9.0 | 9.4 | 10.7 | 11.5 | 12.9 | 13.9 | 15.1 | 16.6 | 17.9 | 19.2 | 20.4 |
| 56 | 9.9 | 8.4 | 7.8 | 8.1 | 8.2 | 7.7 | 7.9 | 8.5 | 9.3 | 10.1 | 11.7 | 12.4 | 13.5 | 14.9 | 16.5 | 17.4 | 18.6 | 19.6 |
| 57 | 12.1 | 11.3 | 10.0 | 9.1 | 8.7 | 9.2 | 9.2 | 9.7 | 10.3 | 11.0 | 11.7 | 13.1 | 14.7 | 15.9 | 17.0 | 18.5 | 19.5 | 20.3 |
| 58 | 12.8 | 11.6 | 10.4 | 10.2 | 9.3 | 8.8 | 9.0 | 9.1 | 9.7 | 10.7 | 11.8 | 13.2 | 14.8 | 16.0 | 17.4 | 18.6 | 19.5 | 20.5 |
| 59 | 10.7 | 9.9 | 8.5 | 7.2 | 6.7 | 6.6 | 6.8 | 7.0 | 7.4 | 8.5 | 9.7 | 11.1 | 12.7 | 14.5 | 15.4 | 16.8 | 18.4 | 19.6 |
| 60 | 11.5 | 10.2 | 9.1 | 8.8 | 8.6 | 8.0 | 8.2 | 8.6 | 9.5 | 10.3 | 11.4 | 13.4 | 14.8 | 15.9 | 17.0 | 18.2 | 19.3 | 20.5 |
| 61 | 10.3 | 9.3 | 8.6 | 7.9 | 7.3 | 7.4 | 7.2 | 7.8 | 8.5 | 9.8 | 10.8 | 12.5 | 13.5 | 14.9 | 16.0 | 17.4 | 18.2 | 19.9 |
| 62 | 12.6 | 11.4 | 10.3 | 9.7 | 10.0 | 9.5 | 9.0 | 9.3 | 10.0 | 10.4 | 11.6 | 12.6 | 13.7 | 14.9 | 16.5 | 17.8 | 19.2 | 20.3 |
| 63 | 13.6 | 12.3 | 11.2 | 10.0 | 9.2 | 9.0 | 9.0 | 9.1 | 9.7 | 10.3 | 11.5 | 12.6 | 13.9 | 15.1 | 16.7 | 17.4 | 18.8 | 19.0 |
| 1 | 11.5 | 11.2 | 10.7 | 10.3 | 10.1 | 10.1 | 10.1 | 10.3 | 10.9 | 11.8 | 12.9 | 13.7 | 14.8 | 15.6 | 16.9 | 18.2 | 18.8 | 20.1 |
| 2 | 12.3 | 11.4 | 10.4 | 10.0 | 10.1 | 10.8 | 10.2 | 10.7 | 11.3 | 11.8 | 13.0 | 13.7 | 14.9 | 16.4 | 17.4 | 18.5 | 19.6 | 21.3 |
| 3 | 12.6 | 11.0 | 10.3 | 9.9 | 9.8 | 9.3 | 8.6 | 9.0 | 9.9 | 10.7 | 12.5 | 23.6 | 14.5 | 15.2 | 16.5 | 17.6 | 18.9 | 20.2 |
| 4 | 13.2 | 12.3 | 11.3 | 10.8 | 10.3 | 9.6 | 9.8 | 10.2 | 12.5 | 11.6 | 12.3 | 13.3 | 14.6 | 15.4 | 17.3 | 17.9 | 19.3 | 20.1 |
| 5 | 12.8 | 12.1 | 11.1 | 10.1 | 10.1 | 9.9 | 9.4 | 9.8 | 10.5 | | | | | | | | | |
| 平均 | 12.0 | 10.9 | 10.0 | 9.3 | 9.1 | 8.9 | 8.8 | 9.2 | 9.9 | 10.6 | 11.7 | 13.3 | 14.2 | 15.4 | 16.7 | 17.8 | 19.1 | 20.1 |
| 最高 | 14.0 | 13.3 | 12.2 | 11.4 | 11.0 | 11.0 | 10.8 | 11.0 | 11.6 | 12.3 | 13.6 | 14.7 | 16.0 | 16.9 | 18.2 | 19.5 | 21.2 | 22.2 |
| 最低 | 9.3 | 8.1 | 7.2 | 6.6 | 6.6 | 6.5 | 6.5 | 6.6 | 6.9 | 8.0 | 9.0 | 10.4 | 11.7 | 13.5 | 14.8 | 16.1 | 16.5 | 18.5 |
| 旬最高 | 13.6 | 12.6 | 11.6 | 10.9 | 10.5 | 10.8 | 10.3 | 10.7 | 12.5 | 11.9 | 13.0 | 23.6 | 15.3 | 16.5 | 17.5 | 18.6 | 19.7 | 21.3 |
| 旬最低 | 9.9 | 8.4 | 7.8 | 7.2 | 6.7 | 6.6 | 6.8 | 7.0 | 7.4 | 8.5 | 9.7 | 11.1 | 12.7 | 14.5 | 15.4 | 16.4 | 17.6 | 18.9 |

| 年 | 7 | | | 8 | | | 9 | | | 10 | | | 11 | | | 12 | | |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 上 | 中 | 下 | 上 | 中 | 下 | 上 | 中 | 下 | 上 | 中 | 下 | 上 | 中 | 下 | 上 | 中 | 下 |
| 44 | 21.3 | 22.2 | 23.6 | 25.0 | 27.0 | 25.8 | 26.7 | 26.2 | 26.0 | 24.2 | 22.2 | 21.4 | 20.3 | 19.2 | 17.4 | 15.4 | 13.9 | 12.3 |
| 45 | 19.6 | 21.1 | 22.3 | 23.9 | 24.5 | 25.7 | 25.9 | 26.7 | 25.5 | 24.3 | 23.9 | 22.6 | 20.6 | 19.3 | 17.9 | 15.8 | 14.2 | 13.1 |
| 46 | 21.7 | 23.4 | 23.8 | 24.6 | 26.2 | 26.1 | 25.6 | 25.7 | 25.1 | 24.2 | 22.7 | 22.2 | 20.5 | 19.2 | 18.1 | 16.3 | 14.4 | 13.2 |
| 47 | | | 23.4 | 25.3 | | | | | | | | | | | | | | |
| 48 | 21.9 | 23.4 | 24.0 | 25.5 | 26.6 | 26.9 | 27.1 | 26.2 | 25.4 | 24.4 | 22.9 | 21.6 | 20.5 | 18.8 | 16.5 | 14.8 | 13.1 | 11.8 |
| 49 | 21.5 | 23.3 | 23.6 | 25.1 | 25.7 | 26.2 | 26.1 | 25.5 | 24.7 | 23.8 | 23.1 | 21.7 | 20.3 | 18.9 | 17.4 | 15.8 | 14.4 | 13.1 |
| 50 | 21.9 | 22.8 | 24.5 | 25.4 | 25.7 | 25.8 | 26.7 | 26.9 | 26.5 | 25.4 | 23.9 | 22.3 | 20.6 | 19.6 | 17.9 | 17.0 | 15.3 | 13.4 |
| 51 | 20.7 | 21.9 | 23.3 | 25.4 | 26.4 | 25.6 | 25.6 | 24.4 | 23.2 | 22.7 | 21.8 | 21.1 | 19.6 | 18.0 | 16.2 | 15.1 | 13.5 | 13.0 |
| 52 | 20.9 | 22.4 | 24.0 | 24.9 | 25.4 | 25.5 | 26.0 | 26.0 | 25.2 | 24.6 | 23.6 | 22.8 | 22.1 | 20.5 | 18.9 | 16.8 | 15.9 | 15.0 |
| 53 | 21.9 | 22.8 | 24.4 | 25.3 | 26.2 | 26.7 | 26.6 | 26.3 | 25.7 | 24.9 | 22.8 | 21.8 | 20.7 | 19.5 | 17.9 | 16.4 | 15.5 | 14.3 |
| 54 | 22.4 | 22.3 | 23.6 | 25.3 | 25.7 | 26.4 | 25.7 | 25.7 | 25.4 | 24.4 | 23.3 | 22.4 | 21.7 | 19.3 | 17.7 | 16.8 | 15.4 | 14.6 |
| 55 | 21.0 | 22.1 | 23.2 | 23.8 | 24.4 | 25.2 | 25.2 | 25.2 | 24.5 | 23.9 | 23.2 | 21.8 | 19.7 | 18.5 | 18.0 | 16.6 | 14.4 | 12.5 |
| 56 | 20.9 | 22.6 | 24.1 | 24.9 | 25.5 | 26.3 | 26.0 | 25.2 | 24.8 | 23.8 | 22.7 | 21.3 | 19.5 | 18.0 | 17.0 | 14.9 | 13.5 | 13.0 |
| 57 | 21.4 | 22.1 | 23.1 | 24.7 | 25.3 | 25.4 | 26.0 | 24.7 | 24.0 | 23.2 | 22.7 | 21.4 | 20.5 | 19.7 | 17.8 | 16.6 | 15.2 | 13.8 |
| 58 | 21.7 | 22.7 | 24.8 | 26.2 | 25.8 | 26.5 | 27.1 | 27.0 | 25.5 | 25.0 | 23.4 | 21.9 | 20.5 | 18.9 | 16.9 | 15.4 | 14.0 | 12.3 |
| 59 | 21.1 | 22.4 | 23.4 | 25.2 | 25.6 | 26.4 | 27.5 | 25.5 | 24.8 | 24.3 | 22.2 | 20.9 | 20.0 | 19.2 | 17.8 | 16.6 | 15.6 | 13.7 |
| 60 | 21.1 | 22.3 | 23.6 | 24.0 | 24.8 | 26.5 | 27.1 | 27.1 | 26.1 | 25.0 | 23.7 | 22.3 | 21.1 | 19.2 | 17.3 | 15.6 | 13.1 | 12.0 |
| 61 | 21.1 | 21.9 | 23.3 | 24.3 | 25.0 | 25.7 | 26.6 | 26.1 | 25.4 | 24.6 | 23.1 | 21.1 | 19.8 | 18.6 | 17.4 | 16.2 | 15.1 | 13.9 |
| 62 | 21.5 | 22.3 | 24.4 | 25.2 | 26.0 | 26.4 | 26.1 | 25.8 | 24.6 | 24.1 | 23.3 | 21.7 | 20.6 | 19.4 | 18.5 | 16.4 | 15.0 | 14.3 |
| 63 | 20.7 | 21.9 | 23.0 | 24.0 | 24.8 | 26.0 | 25.9 | 25.3 | 24.9 | 23.8 | 22.5 | 21.3 | 19.6 | 18.2 | 16.7 | 15.2 | 13.6 | 12.3 |
| 1 | 21.2 | 22.6 | 23.9 | 25.0 | 25.9 | 26.3 | 26.2 | 25.9 | 25.1 | 24.7 | 23.3 | 21.8 | 20.9 | 19.7 | 17.9 | 16.2 | 15.0 | 14.0 |
| 2 | 21.9 | 23.2 | 24.6 | 25.9 | 26.6 | 26.7 | 27.0 | 26.7 | 25.6 | 24.7 | 23.5 | 22.3 | 21.1 | 19.7 | 18.6 | 17.2 | 15.9 | 13.8 |
| 3 | 21.3 | 22.1 | 23.5 | 24.9 | 25.1 | 25.1 | 26.3 | 25.8 | 25.0 | 24.5 | 22.9 | 21.5 | 20.6 | 19.0 | 17.9 | 17.3 | 15.5 | 14.7 |
| 4 | 20.8 | 22.2 | 22.4 | 23.6 | 24.3 | 25.5 | 26.2 | 25.5 | 25.1 | 23.5 | 22.6 | 21.6 | 20.3 | 19.3 | 17.8 | 16.8 | 15.0 | 13.6 |
| 5 | | | | | | | | | | | | | | | | | | |
| 平均 | 21.3 | 22.4 | 23.7 | 24.9 | 25.6 | 26.0 | 26.3 | 25.9 | 25.1 | 24.3 | 23.0 | 21.8 | 20.5 | 19.1 | 17.6 | 16.1 | 14.6 | 13.4 |
| 最高 | 23.5 | 24.8 | 25.7 | 27.4 | 28.1 | 27.5 | 28.1 | 27.6 | 27.1 | 25.9 | 24.9 | 23.1 | 22.7 | 21.4 | 19.8 | 18.3 | 16.8 | 15.4 |
| 最低 | 19.3 | 19.8 | 21.5 | 22.1 | 23.7 | 24.5 | 25.0 | 24.0 | 22.8 | 22.1 | 21.6 | 19.8 | 18.5 | 17.3 | 15.1 | 13.8 | 12.5 | 11.0 |
| 旬最高 | 22.4 | 23.4 | 24.8 | 26.2 | 27.0 | 26.9 | 27.5 | 27.1 | 26.5 | 25.4 | 23.9 | 22.8 | 22.1 | 20.5 | 18.9 | 17.3 | 15.9 | 15.0 |
| 旬最低 | 19.6 | 21.1 | 22.3 | 23.6 | 24.3 | 25.1 | 25.2 | 24.4 | 23.2 | 22.7 | 21.8 | 20.9 | 19.5 | 18.0 | 16.2 | 14.8 | 13.1 | 11.8 |

最高：測定値の最高値
旬最高：旬平均値の最高値