

I 水産研究センター

付表1 宇和島市下波地先水温 (°C)

| | 令和2 (2020) 年 | | | | | | | | | 令和3 (2021) 年 | | |
|------|--------------|------|------|------|------|------|------|------|------|--------------|------|------|
| | 4月 | 5月 | 6月 | 7月 | 8月 | 9月 | 10月 | 11月 | 12月 | 1月 | 2月 | 3月 |
| 1日 | 15.6 | 16.7 | 18.6 | 20.5 | 22.9 | 27.7 | 23.0 | 22.4 | 20.4 | 16.7 | 16.2 | 17.0 |
| 2日 | 15.5 | 17.5 | 18.7 | 20.4 | 22.8 | 26.7 | 23.0 | 22.5 | 20.3 | 16.6 | 16.0 | 17.0 |
| 3日 | 15.5 | 17.3 | 18.6 | 20.5 | 22.0 | 26.0 | 23.0 | 22.2 | 20.3 | 16.4 | 15.7 | 16.6 |
| 4日 | 16.0 | 17.0 | 18.7 | 20.1 | 21.8 | 26.7 | 23.0 | 22.1 | 20.1 | 16.3 | 15.5 | 16.5 |
| 5日 | 16.1 | 17.9 | 18.6 | 20.2 | 21.8 | 26.6 | 23.0 | 22.0 | 20.0 | 16.2 | 15.3 | 16.8 |
| 6日 | 15.8 | 17.5 | 18.7 | 20.1 | 21.7 | 25.6 | 22.9 | 22.0 | 20.0 | 16.2 | 15.3 | 16.9 |
| 7日 | 15.8 | 17.8 | 18.8 | 20.4 | 22.6 | 24.6 | 22.8 | 22.0 | 19.9 | 16.0 | 15.5 | 16.7 |
| 8日 | 15.7 | 17.5 | 18.9 | 20.8 | 22.4 | 26.4 | 22.8 | 22.0 | 19.8 | 15.7 | 15.4 | 17.0 |
| 9日 | 15.7 | 17.2 | 19.0 | 20.3 | 23.2 | 26.6 | 22.7 | 21.8 | 19.6 | 15.6 | 15.2 | 17.1 |
| 10日 | 15.8 | 17.2 | 19.3 | 20.2 | 23.3 | 26.7 | 23.5 | 21.7 | 19.6 | 15.3 | 15.1 | 17.2 |
| 11日 | 15.6 | 17.8 | 19.3 | 20.7 | 23.8 | 26.0 | 24.0 | 21.6 | 19.5 | 15.2 | 15.1 | 17.0 |
| 12日 | 15.5 | 17.4 | 19.5 | 20.3 | 24.2 | 26.4 | 24.7 | 21.5 | 19.5 | 15.2 | 15.0 | 17.0 |
| 13日 | 15.2 | 17.7 | 20.0 | 20.3 | 24.6 | 26.3 | 24.7 | 21.5 | 19.2 | 15.1 | 15.0 | 16.8 |
| 14日 | 15.2 | 17.3 | 20.5 | 20.6 | 25.0 | 26.0 | 24.6 | 21.4 | 19.2 | 15.1 | 15.1 | 16.5 |
| 15日 | 15.3 | 17.6 | 21.2 | 20.6 | 25.8 | 25.5 | 24.4 | 21.4 | 18.9 | 15.2 | 15.4 | 16.4 |
| 16日 | 15.7 | 17.7 | 20.9 | 20.8 | 25.6 | 25.3 | 24.0 | 21.4 | 18.7 | 15.2 | 15.2 | 16.5 |
| 17日 | 16.5 | 17.8 | 20.7 | 21.0 | 25.2 | 24.6 | 23.9 | 21.4 | 18.4 | 15.0 | 14.9 | 16.5 |
| 18日 | 17.5 | 17.7 | 20.3 | 21.2 | 24.8 | 24.1 | 23.7 | 21.4 | 18.2 | 14.9 | 14.7 | 16.5 |
| 19日 | 17.5 | 17.9 | 20.4 | 21.4 | 24.3 | 22.9 | 23.7 | 21.4 | 18.1 | 15.0 | 14.5 | 16.5 |
| 20日 | 17.5 | 17.6 | 19.2 | 21.5 | 23.5 | 22.4 | 23.6 | 21.5 | 17.9 | 15.0 | 14.5 | 17.1 |
| 21日 | 17.4 | 17.5 | 19.1 | 21.3 | 23.8 | 22.3 | 23.6 | 21.3 | 17.8 | 15.0 | 14.7 | 17.3 |
| 22日 | 17.3 | 17.5 | 19.2 | 20.9 | 24.7 | 22.2 | 23.4 | 21.2 | 17.7 | 15.6 | 14.8 | 17.0 |
| 23日 | 16.8 | 17.6 | 19.0 | 20.0 | 23.8 | 22.0 | 23.1 | 21.1 | 17.5 | 15.8 | 15.3 | 16.9 |
| 24日 | 16.8 | 17.6 | 19.1 | 19.9 | 24.3 | 21.9 | 23.2 | 21.1 | 17.5 | 16.0 | 15.2 | 17.1 |
| 25日 | 16.7 | 18.1 | 19.1 | 20.1 | 25.0 | 22.6 | 22.9 | 21.0 | 17.4 | 16.0 | 15.5 | 17.2 |
| 26日 | 16.6 | 17.9 | 19.4 | 20.0 | 26.7 | 22.6 | 22.8 | 21.1 | 17.3 | 17.3 | 15.7 | 17.3 |
| 27日 | 16.7 | 18.0 | 19.9 | 20.8 | 28.1 | 23.2 | 22.7 | 21.0 | 17.3 | 17.5 | 15.6 | 17.2 |
| 28日 | 16.7 | 18.2 | 19.8 | 21.8 | 28.4 | 23.1 | 22.7 | 20.8 | 17.2 | 17.2 | 16.7 | 17.0 |
| 29日 | 16.6 | 18.4 | 20.1 | 22.0 | 28.9 | 23.2 | 22.7 | 20.6 | 17.3 | 16.8 | | 17.0 |
| 30日 | 16.4 | 18.4 | 20.1 | 22.1 | 28.8 | 23.2 | 22.6 | 20.5 | 17.2 | 16.5 | | 17.1 |
| 31日 | | 18.6 | | 22.5 | 28.5 | | 22.5 | | 16.8 | 16.2 | | 17.0 |
| 上旬平均 | 15.7 | 17.4 | 18.8 | 20.3 | 22.5 | 26.4 | 22.9 | 22.1 | 20.0 | 16.1 | 15.5 | 16.9 |
| 中旬平均 | 16.2 | 17.6 | 20.2 | 20.8 | 24.7 | 25.0 | 24.1 | 21.4 | 18.8 | 15.1 | 14.9 | 16.7 |
| 下旬平均 | 16.8 | 18.0 | 19.5 | 21.0 | 26.5 | 22.6 | 22.9 | 21.0 | 17.4 | 16.4 | 15.4 | 17.1 |
| 月平均 | 16.2 | 17.7 | 19.5 | 20.7 | 24.6 | 24.7 | 23.3 | 21.5 | 18.7 | 15.9 | 15.3 | 16.9 |
| 最高 | 17.5 | 18.6 | 21.2 | 22.5 | 28.9 | 27.7 | 24.7 | 22.5 | 20.4 | 17.5 | 16.7 | 17.3 |
| 最低 | 15.2 | 16.7 | 18.6 | 19.9 | 21.7 | 21.9 | 22.5 | 20.5 | 16.8 | 14.9 | 14.5 | 16.4 |
| 標準偏差 | 0.7 | 0.4 | 0.7 | 0.7 | 2.1 | 1.8 | 0.7 | 0.5 | 1.1 | 0.7 | 0.5 | 0.3 |

AM9:00 測定、水深5m

付表2 宇和島市坂下津地先水温等の旬別平均値

AM9:00 測定

| | | 地先水温 (°C) | | | | 溶存酸素量 (mg/L) | | | |
|------------|----|-----------|------|------|------|--------------|------|------|------|
| | | 0m | 2m | 5m | 10m | 0m | 2m | 5m | 10m |
| 令和2年 4月 | 上旬 | 15.3 | 15.4 | 15.3 | 15.1 | 12.9 | 12.5 | 12.1 | 10.6 |
| | 中旬 | 15.2 | 15.3 | 15.5 | 15.3 | 12.6 | 11.9 | 11.3 | 10.6 |
| | 下旬 | 16.0 | 16.0 | 15.9 | 15.7 | 12.3 | 12.0 | 11.7 | 11.2 |
| 5月 | 上旬 | 18.6 | 18.3 | 17.7 | 16.8 | 11.3 | 10.6 | 11.2 | 11.5 |
| | 中旬 | 18.6 | 18.4 | 17.9 | 17.3 | 10.2 | 10.0 | 10.8 | 9.9 |
| | 下旬 | 20.3 | 19.6 | 18.4 | 17.6 | 11.2 | 11.2 | 12.1 | 9.2 |
| 6月 | 上旬 | 21.1 | 20.4 | 19.0 | 18.2 | 11.5 | 11.3 | 10.1 | 8.9 |
| | 中旬 | 22.4 | 21.1 | 20.0 | 19.1 | 9.9 | 9.6 | 8.7 | 7.7 |
| | 下旬 | 22.7 | 21.5 | 20.0 | 18.9 | 10.1 | 9.9 | 9.1 | 5.7 |
| 7月 | 上旬 | 22.4 | 21.6 | 20.4 | 19.8 | 9.7 | 9.8 | 8.7 | 7.0 |
| | 中旬 | 22.8 | 21.8 | 20.7 | 20.2 | 9.9 | 8.6 | 6.5 | 5.8 |
| | 下旬 | 25.1 | 23.9 | 21.5 | 20.6 | 10.1 | 10.8 | 7.3 | 3.3 |
| 8月 | 上旬 | 26.2 | 24.2 | 21.5 | 20.6 | 8.5 | 8.5 | 6.6 | 5.4 |
| | 中旬 | 26.7 | 25.9 | 23.8 | 22.6 | 8.1 | 8.6 | 8.7 | 6.9 |
| | 下旬 | 27.1 | 26.4 | 24.5 | 23.6 | 10.0 | 10.5 | 9.7 | 5.6 |
| 9月 | 上旬 | 26.7 | 26.5 | 26.0 | 25.3 | 7.2 | 6.9 | 5.8 | 4.7 |
| | 中旬 | 25.7 | 25.5 | 25.1 | 24.7 | 7.2 | 6.2 | 4.7 | 3.8 |
| | 下旬 | 23.4 | 23.3 | 23.0 | 22.4 | 9.4 | 7.9 | 5.0 | 3.8 |
| 10月 | 上旬 | 22.7 | 22.7 | 22.7 | 22.5 | 8.1 | 7.5 | 6.2 | 4.9 |
| | 中旬 | 22.8 | 22.8 | 22.7 | 22.5 | 6.7 | 6.3 | 6.0 | 5.1 |
| | 下旬 | 22.1 | 22.2 | 22.2 | 22.2 | 5.9 | 5.9 | 5.9 | 5.4 |
| 11月 | 上旬 | 21.1 | 21.2 | 21.4 | 21.4 | 5.9 | 5.7 | 5.7 | 5.3 |
| | 中旬 | 20.7 | 20.7 | 20.7 | 20.7 | 6.6 | 6.4 | 6.3 | 5.9 |
| | 下旬 | 20.4 | 20.4 | 20.4 | 20.4 | 6.2 | 6.1 | 6.0 | 5.7 |
| 12月 | 上旬 | 18.7 | 18.7 | 18.8 | 18.8 | 7.2 | 7.0 | 6.9 | 6.7 |
| | 中旬 | 17.2 | 17.3 | 17.3 | 17.3 | 7.8 | 7.7 | 7.6 | 7.5 |
| | 下旬 | 16.4 | 16.4 | 16.5 | 16.4 | 8.6 | 8.6 | 8.4 | 8.2 |
| 令和3年 1月 | 上旬 | 14.6 | 14.7 | 14.7 | 14.7 | 9.9 | 9.8 | 9.8 | 9.5 |
| | 中旬 | 13.6 | 13.6 | 13.6 | 13.6 | 10.9 | 10.7 | 10.5 | 10.1 |
| | 下旬 | 14.0 | 14.1 | 14.1 | 14.1 | 10.1 | 9.8 | 9.6 | 9.1 |
| 2月 | 上旬 | 13.4 | 13.4 | 13.5 | 13.4 | 10.6 | 10.4 | 10.3 | 10.2 |
| | 中旬 | 13.4 | 13.3 | 13.4 | 13.4 | 10.9 | 10.7 | 10.6 | 9.3 |
| | 下旬 | 13.7 | 13.7 | 13.7 | 13.8 | 10.8 | 10.7 | 10.5 | 10.5 |
| 3月 | 上旬 | 14.2 | 14.8 | 14.9 | 14.9 | 11.9 | 11.0 | 10.9 | 10.2 |
| | 中旬 | 15.8 | 15.8 | 15.7 | 15.7 | 11.7 | 11.4 | 11.1 | 9.6 |
| | 下旬 | 16.3 | 16.3 | 16.3 | 16.2 | 11.0 | 10.5 | 10.6 | 9.8 |

Ⅱ 栽培資源研究所(伊予市森)

付表3 伊予市森地先水温 (°C)

AM9:00測定、水深2m

| 日/月 | 2020年 | | | | | | 2021年 | | | | | |
|------|-------|------|------|------|------|------|-------|------|------|------|-------|-------|
| | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 1 | 2 | 3 |
| 1 | 13.7 | 15.6 | 18.4 | 21.4 | 22.7 | 25.6 | 23.7 | 20.5 | 17.2 | 11.8 | 11.25 | 11.57 |
| 2 | 13.5 | 16.1 | 18.0 | 21.2 | 22.8 | 26.1 | 23.5 | 21.1 | 17.1 | 11.7 | 11.76 | 12.22 |
| 3 | 13.1 | 15.3 | 18.6 | 20.8 | 23.9 | 24.8 | 24.0 | 21.1 | 17.4 | 11.6 | 11.01 | 10.98 |
| 4 | 13.6 | 15.1 | 18.4 | 20.6 | 22.9 | 25.2 | 24.0 | 19.6 | 17.2 | 12.0 | 10.76 | 10.71 |
| 5 | 13.7 | 15.8 | 18.4 | 20.7 | 23.8 | 25.6 | 24.1 | 19.4 | 17.2 | 12.1 | 10.52 | 11.54 |
| 6 | 13.4 | 16.5 | 19.2 | 20.8 | 24.0 | 25.6 | 23.6 | 19.7 | 17.0 | 12.0 | 11.25 | 11.95 |
| 7 | 13.5 | 16.5 | 19.2 | 20.9 | 23.5 | 25.0 | 22.8 | 19.9 | 16.9 | 11.7 | 11.66 | 11.69 |
| 8 | 13.7 | 16.2 | 19.4 | 20.3 | 24.8 | 24.6 | 22.0 | 20.0 | 17.0 | 10.5 | 11.78 | 11.98 |
| 9 | 13.8 | 16.2 | 19.8 | 20.6 | 24.4 | 24.8 | 21.5 | 19.5 | 16.8 | 9.7 | 11.27 | 12.03 |
| 10 | 14.1 | 15.9 | 19.9 | 20.8 | 24.6 | 24.9 | 22.0 | 19.2 | 16.6 | 9.1 | 11.32 | 12.24 |
| 11 | 13.9 | 15.9 | 19.7 | 21.3 | 25.0 | 24.9 | 22.8 | 19.4 | 17.0 | 10.4 | 11.35 | 12.36 |
| 12 | 13.6 | 16.3 | 19.8 | 21.6 | 25.8 | 24.7 | 23.1 | 19.0 | 17.1 | 10.8 | 11.54 | 12.44 |
| 13 | 12.7 | 16.2 | 19.4 | 21.7 | 25.3 | 24.4 | 23.2 | 19.2 | 16.7 | 11.2 | 11.66 | 12.1 |
| 14 | 13.8 | 16.9 | 20.8 | 20.5 | 27.3 | 24.6 | 23.1 | 19.3 | 16.2 | 11.8 | 11.83 | 12.2 |
| 15 | 13.8 | 16.8 | 21.0 | 20.9 | 25.9 | 24.5 | 22.9 | 19.0 | 15.1 | 12.1 | 12.15 | 12.17 |
| 16 | 14.5 | 16.2 | 20.8 | 21.4 | 25.5 | 24.6 | 22.4 | 19.5 | 14.2 | 12.4 | 11.69 | 12.58 |
| 17 | 14.5 | 16.0 | 21.2 | 21.8 | 25.2 | 24.4 | 22.2 | 19.5 | 13.8 | 12.1 | 10.98 | 12.41 |
| 18 | 14.0 | 16.2 | 20.7 | 22.4 | 25.0 | 24.5 | 21.8 | 19.6 | 14.1 | 11.2 | 9.879 | 12.7 |
| 19 | 14.1 | 16.5 | 19.3 | 23.1 | 25.0 | 24.2 | 21.8 | 19.8 | 13.6 | 10.9 | 9.632 | 12.85 |
| 20 | 14.4 | 17.2 | 19.1 | 21.2 | 25.4 | 24.3 | 21.6 | 20.0 | 14.1 | 10.6 | 10.12 | 12.92 |
| 21 | 14.3 | 17.4 | 19.4 | 22.0 | 23.7 | 24.0 | 21.6 | 19.2 | 14.0 | 10.9 | 11.13 | 12.56 |
| 22 | 14.1 | 17.2 | 19.3 | 23.1 | 23.4 | 23.8 | 21.7 | 18.7 | 14.2 | 11.9 | 11.98 | 12.12 |
| 23 | 14.0 | 17.7 | 20.4 | 23.0 | 23.6 | 24.0 | 21.6 | 19.1 | 13.9 | 12.2 | 12.03 | 12 |
| 24 | 13.8 | 18.0 | 20.5 | 22.5 | 23.6 | 24.1 | 20.6 | 18.8 | 14.6 | 11.9 | 12.22 | 12.24 |
| 25 | 14.0 | 18.2 | 19.5 | 22.1 | 23.5 | 23.6 | 19.9 | 18.9 | 14.4 | 11.4 | 11.98 | 12.49 |
| 26 | 14.4 | 18.8 | 19.2 | 23.3 | 23.5 | 24.0 | 21.0 | 18.8 | 14.1 | 11.9 | 11.59 | 12.61 |
| 27 | 14.6 | 17.7 | 21.1 | 23.4 | 23.7 | 23.8 | 21.1 | 18.8 | 14.0 | 12.2 | 10.25 | 12.75 |
| 28 | 14.8 | 18.0 | 21.2 | 22.8 | 23.4 | 23.2 | 21.0 | 18.3 | 14.1 | 12.1 | 11.05 | 13.16 |
| 29 | 15.0 | 18.4 | 21.6 | 22.8 | 26.0 | 23.4 | 21.1 | 17.6 | 14.0 | 11.4 | | 12.85 |
| 30 | 15.3 | 18.7 | 21.1 | 22.4 | 26.3 | 23.5 | 21.0 | 17.4 | 14.5 | 10.7 | | 12.94 |
| 31 | | 19.2 | | 22.7 | 25.9 | | 20.3 | | 12.6 | 11.1 | | 12.99 |
| 上旬平均 | 13.6 | 15.9 | 18.9 | 20.8 | 23.7 | 25.2 | 23.1 | 20.0 | 17.0 | 11.2 | 11.3 | 11.7 |
| 中旬平均 | 13.9 | 16.4 | 20.2 | 21.6 | 25.5 | 24.5 | 22.5 | 19.4 | 15.2 | 11.4 | 11.1 | 12.5 |
| 下旬平均 | 14.4 | 18.0 | 20.3 | 22.8 | 24.1 | 23.7 | 21.0 | 18.5 | 14.2 | 11.7 | 11.5 | 12.6 |
| 月平均 | 14.0 | 16.9 | 19.8 | 21.8 | 24.5 | 24.5 | 22.1 | 19.3 | 15.4 | 11.4 | 11.3 | 12.3 |
| 最高 | 15.3 | 19.2 | 21.6 | 23.4 | 27.3 | 26.1 | 24.1 | 21.1 | 17.4 | 12.4 | 12.2 | 13.2 |
| 最低 | 12.7 | 15.1 | 18.0 | 20.3 | 22.7 | 23.2 | 19.9 | 17.4 | 12.6 | 9.1 | 9.6 | 10.7 |
| 標準偏差 | 0.5 | 1.1 | 1.0 | 0.9 | 1.1 | 0.7 | 1.1 | 0.8 | 1.5 | 0.8 | 0.7 | 0.6 |

Ⅲ 栽培資源研究所東予駐在(西条市河原津・上島町弓削)

付表4 西条市河原津地先水温(°C)

| 日/月 | AM9:00測定、水深1m | | | | | | | | | | | |
|------|---------------|------|------|------|------|------|------|------|------|------|------|------|
| | 令和2年 | | | | | 令和3年 | | | | | 1 | 2 |
| 1 | 13.5 | 16.8 | 20.3 | 23.2 | 28.7 | 30.1 | 25.5 | 19.8 | 15.4 | 11.6 | 10.2 | 10.9 |
| 2 | 13.4 | 17.5 | 20.8 | 23.6 | 28.9 | 29.9 | 25.4 | 20.3 | 15.2 | 11.3 | 10.4 | 11.3 |
| 3 | 13.6 | 17.9 | 21.7 | 24.5 | 28.7 | 29.1 | 25.6 | 20.2 | 15.0 | 11.2 | 10.2 | 9.4 |
| 4 | 13.4 | 17.2 | 21.7 | 23.8 | 28.8 | 27.7 | 25.5 | 19.2 | 14.5 | 11.2 | 10.0 | 10.3 |
| 5 | 13.5 | 18.0 | 22.3 | 23.8 | 28.3 | 28.1 | 25.5 | 18.7 | 14.4 | 11.5 | 9.9 | 11.2 |
| 6 | 13.9 | 18.5 | 22.9 | 24.3 | 27.9 | 28.5 | 24.2 | 19.0 | 14.2 | 12.2 | 10.4 | 11.5 |
| 7 | 13.9 | 18.5 | 22.5 | 23.7 | 28.2 | 27.9 | 23.4 | 19.2 | 14.1 | 11.7 | 10.7 | 11.1 |
| 8 | 14.1 | 18.2 | 22.6 | 23.1 | 28.7 | 27.7 | 22.2 | 19.2 | 14.2 | 11.2 | 10.9 | 11.2 |
| 9 | 13.8 | 18.2 | 23.2 | 23.2 | 28.5 | 28.0 | 21.0 | 18.9 | 13.9 | 11.1 | 10.7 | 11.4 |
| 10 | 14.3 | 17.6 | 23.4 | 23.5 | 28.0 | 28.2 | 21.2 | 18.6 | 13.8 | 11.2 | 10.4 | 11.2 |
| 11 | 14.5 | 17.7 | 22.8 | 23.4 | 28.2 | 28.4 | 23.0 | 18.1 | 14.1 | 11.2 | 10.6 | 11.5 |
| 12 | 14.4 | 18.9 | 22.4 | 24.7 | 28.3 | 28.2 | 23.7 | 17.5 | 14.1 | 10.7 | 10.8 | 11.6 |
| 13 | 13.3 | 17.9 | 24.3 | 24.5 | 29.1 | 28.0 | 23.6 | 17.8 | 13.7 | 10.7 | 10.9 | 11.8 |
| 14 | 13.2 | 18.5 | 22.1 | 24.0 | 29.6 | 27.4 | 23.8 | 17.8 | 13.4 | 10.9 | 11.0 | 11.2 |
| 15 | 13.6 | 19.0 | 21.7 | 24.2 | 30.6 | 27.3 | 23.4 | 17.6 | 12.3 | 11.0 | 11.5 | 11.2 |
| 16 | 14.1 | 18.3 | 22.7 | 24.7 | 31.1 | 27.9 | 22.8 | 17.9 | 11.8 | 11.1 | 11.2 | |
| 17 | 14.6 | 18.2 | 23.9 | 25.1 | 31.3 | 27.5 | 22.2 | 18.4 | 11.1 | 10.9 | 10.7 | |
| 18 | 14.5 | 19.1 | 23.7 | 25.8 | 31.1 | 27.5 | 21.7 | 18.4 | 11.1 | 10.4 | 10.1 | |
| 19 | 14.2 | 18.5 | 22.6 | 26.0 | 31.0 | 27.0 | 21.8 | 18.7 | 11.6 | 10.3 | 9.7 | |
| 20 | 14.6 | 17.7 | 22.7 | 26.0 | 30.9 | 26.8 | 21.6 | 19.3 | 11.7 | 10.3 | 10.2 | |
| 21 | 14.5 | 18.2 | 23.2 | 26.2 | 30.1 | 26.4 | 21.5 | 18.7 | 11.7 | 10.6 | 10.8 | |
| 22 | 13.8 | 18.8 | 23.0 | 26.4 | 29.5 | 25.9 | 22.0 | 18.2 | 12.3 | 11.4 | 11.3 | |
| 23 | 13.7 | 19.6 | 24.2 | 25.8 | 29.5 | 26.3 | 22.3 | 18.4 | 12.7 | 11.5 | 11.5 | |
| 24 | 13.5 | 20.2 | 24.3 | 25.7 | 29.0 | 26.5 | 21.7 | 17.9 | 13.2 | 11.1 | 11.6 | |
| 25 | 13.6 | 20.5 | 24.3 | 25.1 | 29.5 | 25.7 | 21.2 | 17.9 | 13.1 | 10.7 | 11.0 | |
| 26 | 14.6 | 21.0 | 23.8 | 25.4 | 29.4 | 26.0 | 21.2 | 17.7 | 12.7 | 10.7 | 11.2 | |
| 27 | 14.6 | 20.7 | 23.8 | 25.5 | 29.3 | 25.8 | 21.2 | 17.7 | 12.9 | 11.0 | 10.5 | |
| 28 | 15.6 | 20.9 | 23.4 | 25.4 | 29.4 | 25.0 | 21.3 | 17.2 | 13.1 | 10.9 | 10.4 | |
| 29 | 15.9 | 21.9 | 24.5 | 26.1 | 29.4 | 25.4 | 21.3 | 16.5 | 12.9 | 10.6 | | |
| 30 | 16.3 | 21.6 | 24.7 | 27.7 | 30.1 | 25.4 | 21.1 | 16.0 | 13.4 | 10.0 | | |
| 31 | | 21.1 | | 27.9 | 30.4 | | 19.9 | | 11.2 | 10.0 | | |
| 上旬平均 | 13.8 | 17.8 | 22.1 | 23.7 | 28.5 | 28.5 | 23.9 | 19.3 | 14.5 | 11.4 | 10.4 | 11.0 |
| 中旬平均 | 14.1 | 18.4 | 22.9 | 24.8 | 30.1 | 27.6 | 22.8 | 18.1 | 12.5 | 10.8 | 10.7 | 11.5 |
| 下旬平均 | 14.6 | 20.3 | 23.9 | 25.9 | 29.5 | 25.8 | 21.5 | 17.6 | 12.8 | 10.9 | 11.1 | |
| 月平均 | 14.2 | 18.9 | 23.0 | 24.9 | 29.4 | 27.3 | 22.6 | 18.4 | 13.2 | 11.0 | 10.7 | 11.1 |
| 最高 | 16.3 | 21.9 | 24.7 | 27.9 | 31.3 | 30.1 | 25.6 | 20.3 | 15.4 | 12.2 | 11.6 | 11.8 |
| 最低 | 13.2 | 16.8 | 20.3 | 23.1 | 27.9 | 25.0 | 19.9 | 16.0 | 11.1 | 10.0 | 9.7 | 9.4 |
| 標準偏差 | 0.7 | 1.4 | 1.1 | 1.2 | 1.0 | 1.3 | 1.6 | 1.0 | 1.2 | 0.5 | 0.5 | 0.6 |

付表5 上島町弓削地先水温(°C)

AM9:00測定、水深1m

| 日/月 | 令和2年 | | | | | | | | | | 令和3年 | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 1 | 2 | 3 | |
| 1 | 12.8 | 14.7 | 19.6 | 22.9 | 25.0 | 29.0 | 25.5 | 21.6 | 18.6 | 13.4 | 10.0 | 10.9 | |
| 2 | 12.6 | 14.9 | 19.8 | 22.5 | 25.2 | 28.9 | 25.4 | 21.8 | 18.5 | 13.2 | 10.2 | 11.0 | |
| 3 | 12.7 | 15.3 | 19.7 | 22.4 | 25.3 | 29.4 | 25.5 | 21.6 | 18.4 | 12.9 | 10.1 | 10.8 | |
| 4 | 12.8 | 15.6 | 19.7 | 22.4 | 25.2 | 29.1 | 25.5 | 21.2 | 18.1 | 13.2 | 10.2 | 10.9 | |
| 5 | 12.9 | 16.0 | 19.8 | 22.5 | 25.4 | 29.2 | 25.4 | 21.1 | 18.1 | 13.4 | 10.3 | 11.0 | |
| 6 | 12.9 | 15.9 | 19.9 | 22.6 | 26.0 | 28.8 | 25.1 | 21.1 | 17.9 | 13.3 | 10.5 | 11.0 | |
| 7 | 13.1 | 16.0 | 20.0 | 22.7 | 25.8 | 28.7 | 24.9 | 21.1 | 17.9 | 13.1 | 10.7 | 10.8 | |
| 8 | 13.2 | 16.2 | 20.4 | 22.7 | 25.7 | 28.4 | 24.6 | 21.1 | 17.8 | 12.6 | 10.7 | 10.9 | |
| 9 | 13.2 | 16.4 | 20.6 | 23.1 | 25.7 | 28.1 | 24.3 | 20.9 | 17.7 | 12.0 | 10.6 | 11.1 | |
| 10 | 13.4 | 16.6 | 20.8 | 23.4 | 26.2 | 28.0 | 24.1 | 20.8 | 17.6 | 11.7 | 10.6 | 11.1 | |
| 11 | 13.3 | 16.9 | 21.6 | 23.4 | 27.2 | 28.1 | 23.9 | 20.5 | 17.5 | 11.5 | 10.7 | 11.2 | |
| 12 | 13.4 | 16.2 | 21.3 | 23.2 | 26.9 | 28.0 | 24.0 | 20.4 | 17.5 | 11.4 | 10.8 | 11.2 | |
| 13 | 13.1 | 16.5 | 21.7 | 23.3 | 27.1 | 27.9 | 24.0 | 20.3 | 17.4 | 11.5 | 10.8 | 11.3 | |
| 14 | 13.0 | 16.5 | 21.8 | 23.1 | 27.3 | 27.7 | 24.0 | 20.2 | 17.1 | 11.6 | 10.9 | 11.1 | |
| 15 | 13.3 | 16.6 | 21.9 | 23.1 | 27.4 | 27.6 | 23.9 | 20.0 | 16.6 | 11.5 | 11.1 | 11.3 | |
| 16 | 13.5 | 16.8 | 21.3 | 23.1 | 27.0 | 27.6 | 23.8 | 20.0 | 16.0 | 11.5 | 11.0 | 11.5 | |
| 17 | 13.7 | 17.2 | 21.4 | 23.2 | 27.0 | 27.5 | 23.5 | 20.0 | 15.7 | 11.3 | 10.7 | 11.6 | |
| 18 | 13.9 | 17.5 | 21.5 | 24.0 | 27.0 | 27.4 | 23.3 | 20.0 | 15.6 | 11.3 | 10.3 | 11.6 | |
| 19 | 13.8 | 17.9 | 21.3 | 23.7 | 27.1 | 27.2 | 23.3 | 19.9 | 15.4 | 11.3 | 10.3 | 11.7 | |
| 20 | 13.9 | 17.6 | 21.4 | 24.7 | 27.3 | 26.9 | 23.0 | 20.0 | 15.3 | 11.2 | 10.3 | 11.9 | |
| 21 | 14.1 | 17.0 | 21.6 | 24.0 | 27.8 | 26.5 | 23.0 | 19.8 | 15.2 | 11.3 | 10.6 | 12.0 | |
| 22 | 13.8 | 17.3 | 21.8 | 24.4 | 27.6 | 26.3 | 22.8 | 19.6 | 15.1 | 11.5 | 10.9 | 11.8 | |
| 23 | 13.8 | 17.6 | 22.0 | 24.4 | 27.5 | 26.3 | 22.6 | 19.7 | 15.0 | 11.5 | 11.1 | 11.8 | |
| 24 | 13.8 | 17.9 | 22.4 | 24.1 | 27.6 | 26.3 | 22.3 | 19.5 | 14.9 | 11.3 | 11.0 | 11.9 | |
| 25 | 13.8 | 18.3 | 22.5 | 24.4 | 27.7 | 26.1 | 22.2 | 19.5 | 14.8 | 10.9 | 10.9 | 12.2 | |
| 26 | 13.9 | 18.4 | 23.0 | 24.7 | 28.0 | 26.0 | 22.3 | 19.4 | 14.7 | 10.6 | 11.0 | 12.2 | |
| 27 | 13.9 | 18.4 | 22.7 | 24.9 | 28.8 | 26.0 | 22.2 | 19.2 | 14.7 | 10.2 | 10.9 | 12.2 | |
| 28 | 13.9 | 18.4 | 22.7 | 24.9 | 29.2 | 25.8 | 22.2 | 18.9 | 14.6 | 10.1 | 10.8 | 12.5 | |
| 29 | 14.2 | 18.5 | 22.5 | 24.6 | 29.5 | 25.7 | 22.1 | 18.8 | 14.6 | 10.1 | | 12.5 | |
| 30 | 14.2 | 19.1 | 22.6 | 25.0 | 29.4 | 25.7 | 22.0 | 18.7 | 14.5 | 10.0 | | 12.7 | |
| 31 | | 19.5 | | 25.6 | 29.5 | | 21.7 | | 13.8 | 10.1 | | 12.7 | |
| 上旬平均 | 13.0 | 15.8 | 20.0 | 22.7 | 25.6 | 28.8 | 25.0 | 21.2 | 18.1 | 12.9 | 10.4 | 11.0 | |
| 中旬平均 | 13.5 | 17.0 | 21.5 | 23.5 | 27.1 | 27.6 | 23.7 | 20.1 | 16.4 | 11.4 | 10.7 | 11.4 | |
| 下旬平均 | 14.0 | 18.1 | 22.4 | 24.5 | 28.3 | 26.1 | 22.4 | 19.3 | 14.8 | 10.7 | 10.9 | 12.2 | |
| 月平均 | 13.5 | 17.0 | 21.3 | 23.6 | 27.1 | 27.5 | 23.6 | 20.2 | 16.3 | 11.6 | 10.6 | 11.6 | |
| 最高 | 14.2 | 19.5 | 23.0 | 25.6 | 29.5 | 29.4 | 25.5 | 21.8 | 18.6 | 13.4 | 11.1 | 12.7 | |
| 最低 | 12.6 | 14.7 | 19.6 | 22.4 | 25.0 | 25.7 | 21.7 | 18.7 | 13.8 | 10.0 | 10.0 | 10.8 | |
| 標準偏差 | 0.5 | 1.2 | 1.0 | 0.9 | 1.3 | 1.2 | 1.2 | 0.8 | 1.5 | 1.0 | 0.3 | 0.6 | |

研究業績 (2020 年 4 月～2021 年 3 月)

A 論文

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