

# (1) 浅海定線調査

## 予算

大阪府資源管理協議会委託事業

## 結果の概要

大阪湾における栄養塩レベルの変動と漁場環境の把握を目的に昭和 47 年度から継続実施している調査で、大阪湾全域 20 点で行っている。

平成 26 年の特徴としては、水温は 1~5 月には概ね平年並み、6~11 月には 8、9 月表層を除いて高め基調で推移した。塩分は 1~4 月に低め基調、5~7 月に高め基調であったが、調査直前に台風が通過した 8 月は表層で甚だ低め、底層でかなり低めとなった。透明度は 1~7 月に高め基調で推移し、8、11 月にはやや低めとなった。栄養塩は、近年の傾向と同じく低レベルで、表層 DIN は 2、5 月にかなり低め、11 月にはやや低め、PO<sub>4</sub>-P は平年並み~かなり低めであった。ただし、台風が通過した 8 月のみ DIN、PO<sub>4</sub>-P とともに表層で甚だ高めとなった。

## 調査方法

### 1. 調査定点

大阪湾全域 20 定点 (図 1、表 1 参照)

### 2. 調査回数および実施日

一般項目……毎月 1 回

特殊項目……年 4 回 (2、5、8、11 月)

実施日……表 2 参照

### 3. 調査項目

一般項目……水温、塩分、透明度、水色、気象

特殊項目……溶存酸素、pH、COD、NH<sub>4</sub>-N、NO<sub>2</sub>-N、NO<sub>3</sub>-N、PO<sub>4</sub>-P、Total-P、植物プランクトン  
 優占種とその細胞数、クロロフィル-a およびフェオフィチン。

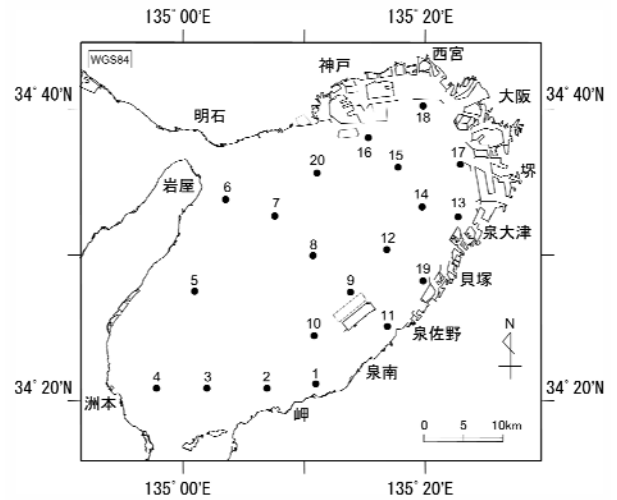


図 1 浅海定線調査定点図

表 1 浅海定線調査定点位置 (WGS84)

| St.No. | 緯度         | 経度          | 水深(m) |
|--------|------------|-------------|-------|
| 1      | 34° 21.13' | 135° 10.95' | 12    |
| 2      | 34° 20.83' | 135° 6.93'  | 41    |
| 3      | 34° 20.83' | 135° 1.97'  | 46    |
| 4      | 34° 20.83' | 134° 57.78' | 58    |
| 5      | 34° 27.50' | 135° 0.95'  | 52    |
| 6      | 34° 33.78' | 135° 3.51'  | 56    |
| 7      | 34° 32.65' | 135° 7.57'  | 60    |
| 8      | 34° 29.95' | 135° 10.73' | 29    |
| 9      | 34° 27.43' | 135° 13.83' | 20    |
| 10     | 34° 24.45' | 135° 10.83' | 19    |
| 11     | 34° 25.08' | 135° 16.88' | 13    |
| 12     | 34° 30.36' | 135° 16.83' | 18    |
| 13     | 34° 32.59' | 135° 22.73' | 13    |
| 14     | 34° 32.98' | 135° 19.39' | 18    |
| 15     | 34° 36.00' | 135° 17.75' | 18    |
| 16     | 34° 38.03' | 135° 15.30' | 18    |
| 17     | 34° 36.20' | 135° 22.92' | 13    |
| 18     | 34° 40.20' | 135° 19.83' | 13    |
| 19     | 34° 28.20' | 135° 19.83' | 13    |
| 20     | 34° 35.60' | 135° 11.05' | 21    |

表 2 浅海定線調査実施日

| 2014年 |     |       |       |     |       |     |       |       |     |     |     |      |
|-------|-----|-------|-------|-----|-------|-----|-------|-------|-----|-----|-----|------|
| 月     | 1   | 2     | 3     | 4   | 5     | 6   | 7     | 8     | 9   | 10  | 11  | 12   |
| 日     | 6,7 | 1/31, | 11,12 | 7,8 | 13,15 | 2,3 | 14,15 | 11,12 | 1,2 | 1,2 | 4,5 | 8,10 |

※NH<sub>4</sub>-N、NO<sub>2</sub>-N、NO<sub>3</sub>-N、PO<sub>4</sub>-P は濾過水を測定。

#### 4. 測定層

水温、塩分……表層、5、10、20、30m、底層

特殊項目……表層、底層（一部表層のみ）

※底層とは St.2~7 は海底上 5m、St.8 は海底上 2m、それ以外の定点は海底上 1mを指す。

#### 5. 調査船

漁業調査船「おおさか」

（19 トン、680 kw×2 基）

#### 6. 測定方法

溶存酸素：燐光式センサーによる現場測定

COD：アルカリ性過マンガン酸カリウム法（新編水質汚濁調査指針）

栄養塩、Total-P：JIS K 0170-1:2011 に準拠

水色：マンセルカラーブック

その他：「海洋観測指針（気象庁編）」による方法に準拠

### 調査結果

表 3、4、5 のとおり。

### 担当者

秋山 諭、山本圭吾、横松宏幸、田中咲絵、中嶋昌紀

表3 浅海定線調査一般項目測定結果

2014年1月

| 観測点     | St. 1   | St. 2   | St. 3   | St. 4   | St. 5   | St. 6   | St. 7   | St. 8   | St. 9   | St. 10  | St. 11  | St. 12  | St. 13  | St. 14  | St. 15  | St. 16  | St. 17  | St. 18  | St. 19  | St. 20  | 平均     |        |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|
| 緯度24°   | 21' 08" | 20' 50" | 20' 50" | 20' 50" | 27' 30" | 33' 47" | 32' 39" | 29' 57" | 27' 26" | 24' 27" | 25' 05" | 30' 22" | 32' 35" | 32' 59" | 36' 00" | 38' 02" | 36' 12" | 40' 12" | 28' 12" | 35' 36" |        |        |
| 経度135°  |         |         | 134°    |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |        |
| (WG584) | 10' 57" | 06' 56" | 01' 58" | 57' 47" | 00' 57" | 03' 31" | 07' 34" | 10' 44" | 13' 50" | 10' 50" | 16' 53" | 16' 50" | 22' 44" | 19' 23" | 17' 45" | 15' 18" | 22' 55" | 19' 50" | 19' 50" | 11' 03" |        |        |
| 月日      | 01/06   | 01/07   | 01/07   | 01/07   | 01/07   | 01/07   | 01/07   | 01/07   | 01/06   | 01/06   | 01/06   | 01/06   | 01/06   | 01/06   | 01/06   | 01/06   | 01/06   | 01/06   | 01/06   | 01/06   | 01/06  |        |
| 時分      | 14:55   | 09:32   | 09:56   | 10:31   | 11:15   | 12:04   | 13:06   | 13:45   | 10:18   | 09:50   | 14:29   | 10:48   | 13:49   | 11:07   | 11:30   | 12:18   | 13:28   | 13:06   | 14:07   | 11:52   |        |        |
| 水       | 0 m     | 11.6    | 10.9    | 11.6    | 12.1    | 11.6    | 11.7    | 11.2    | 10.9    | 11.6    | 11.6    | 10.8    | 11.4    | 11.0    | 10.3    | 10.5    | 11.0    | 10.3    | 11.6    | 11.3    | 11.2   |        |
|         | 5 m     | 11.70   | 11.04   | 11.90   | 11.92   | 11.54   | 11.82   | 11.73   | 11.41   | 11.77   | 11.63   | 11.38   | 11.43   | 11.16   | 10.73   | 10.56   | 11.53   | 11.86   | 11.48   | 11.91   | 11.51  |        |
|         | 10 m    | 12.22   | 11.30   | 12.30   | 12.10   | 11.53   | 11.82   | 11.71   | 11.69   | 11.63   | 11.49   | 11.61   | 12.07   | 12.00   | 11.33   | 11.45   | 12.06   | 12.04   | 11.41   | 11.92   | 11.78  |        |
| 温       | 20 m    | 12.50   | 12.69   | 12.62   | 12.62   | 11.76   | 11.86   | 11.70   | 11.77   | 12.01   |         |         |         |         |         |         |         |         |         | 11.92   | 12.09  |        |
|         | 30 m    | 12.86   | 12.86   | 12.78   | 12.78   | 11.91   | 11.86   | 11.69   | 11.77   |         |         |         |         |         |         |         |         |         |         |         | 12.25  |        |
| °C      | 底層      | 12.42   | 13.15   | 12.89   | 12.97   | 12.65   | 11.86   | 11.68   | 11.77   | 12.01   | 11.64   | 11.45   | 12.15   | 12.07   | 12.22   | 12.12   | 12.04   | 12.06   | 11.37   | 11.92   | 12.13  |        |
| 塩       | 0 m     | 31.90   | 31.79   | 32.11   | 32.28   | 31.79   | 31.88   | 31.85   | 31.17   | 31.14   | 31.82   | 31.74   | 30.62   | 31.25   | 30.30   | 29.36   | 29.69   | 29.73   | 26.52   | 31.67   | 31.40  |        |
|         | 5 m     | 31.98   | 31.90   | 32.20   | 32.21   | 31.80   | 31.93   | 31.85   | 31.54   | 31.70   | 31.81   | 31.74   | 31.09   | 31.32   | 30.59   | 30.08   | 30.09   | 31.52   | 30.96   | 31.69   | 31.49  |        |
|         | 10 m    | 32.28   | 32.01   | 32.37   | 32.29   | 31.85   | 31.93   | 31.85   | 31.82   | 31.82   | 31.81   | 31.74   | 31.37   | 31.86   | 31.78   | 30.89   | 31.10   | 31.84   | 31.75   | 31.69   | 31.80  |        |
| 分       | 20 m    | 32.48   | 32.60   | 32.60   | 32.59   | 31.97   | 31.96   | 31.85   | 31.89   | 31.88   |         |         |         |         |         |         |         |         |         | 31.94   | 32.13  |        |
|         | 30 m    | 32.71   | 32.69   | 32.69   | 32.69   | 32.03   | 31.96   | 31.85   | 31.89   |         |         |         |         |         |         |         |         |         |         |         | 32.26  |        |
| psu     | 底層      | 32.38   | 32.91   | 32.71   | 32.78   | 32.58   | 31.95   | 31.84   | 31.89   | 31.88   | 31.82   | 31.74   | 31.98   | 31.86   | 31.97   | 31.95   | 31.88   | 31.85   | 31.83   | 31.67   | 31.94  |        |
| 海       | 水深m     | 13.0    | 45.0    | 41.0    | 60.0    | 54.5    | 58.0    | 72.0    | 34.0    | 21.0    | 19.0    | 13.5    | 19.5    | 12.5    | 18.0    | 19.0    | 18.0    | 14.0    | 13.5    | 22.5    | 29.0   |        |
|         | 透明度     | 5.4     | 10.9    | 5.8     | 6.0     | 7.0     | 6.9     | 7.9     | 7.9     | 7.8     | 5.3     | 7.7     | 9.9     | 10.0    | 9.8     | 8.5     | 9.0     | 13.0    | 9.8     | 7.2     | 8.4    |        |
| 象       | 波浪      | 2       | 2       | 2       | 2       | 2       | 2       | 1       | 1       | 1       | 1       | 1       | 2       | 2       | 1       | 2       | 2       | 1       | 2       | 2       | 2      |        |
|         | 天気      | b       | b       | b       | b       | b       | b       | bc      | b       | b       | bc      | b       | bc      | b       | b       | b       | bc      | bc      | bc      | bc      | b      |        |
| 氣       | 気温°C    | 9.5     | 7.0     | 7.0     | 8.0     | 7.0     | 7.5     | 7.0     | 7.0     | 6.2     | 6.0     | 6.0     | 8.0     | 8.0     | 8.0     | 8.0     | 8.0     | 8.2     | 7.2     | 8.5     | 7.2    |        |
|         | 風向風力    | N 3     | ENE 3   | ENE 3   | NE 2    | ENE 2   | ENE 3   | NE 2    | ENE 3   | MNE 3   | MNE 2   | NE 3    | NE 3    | NE 3    | N 2     | E 3     | E 3     | ENE 3   | MNE 2   | MNE 2   | NE 2   |        |
| 象       | 雲形雲量    | Cu 2    | 0       | 0       | 0       | 0       | 0       | 0       | Cu 4    | 0       | 0       | 0       | 0       | 0       | 0       | 0       | Cu 4    | Cu 6    | Cu 7    | Cu 5    | 0      |        |
|         | 気圧      | 1024.0  | 1027.9  | 1027.9  | 1027.3  | 1026.3  | 1025.1  | 1024.4  | 1024.2  | 1024.6  | 1024.7  | 1023.7  | 1024.5  | 1023.5  | 1024.4  | 1024.0  | 1023.5  | 1023.5  | 1023.5  | 1023.6  | 1023.6 | 1024.7 |
| 備       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |        |
| 考       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |        |

表3 つづき

2014年2月

| 観測点     | St. 1   | St. 2   | St. 3   | St. 4   | St. 5   | St. 6   | St. 7   | St. 8   | St. 9   | St. 10  | St. 11  | St. 12  | St. 13  | St. 14  | St. 15  | St. 16  | St. 17  | St. 18  | St. 19  | St. 20  | 平均     |        |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|
| 緯度34°   | 21' 08" | 20' 50" | 20' 50" | 20' 50" | 27' 30" | 33' 47" | 32' 39" | 29' 57" | 27' 26" | 24' 27" | 25' 05" | 30' 22" | 32' 35" | 32' 59" | 36' 00" | 38' 02" | 36' 12" | 40' 12" | 28' 12" | 35' 36" |        |        |
| 経度135°  |         |         | 134°    |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |        |
| (WG584) | 10' 57" | 06' 56" | 01' 58" | 57' 47" | 00' 57" | 03' 31" | 07' 34" | 10' 44" | 13' 50" | 10' 50" | 16' 53" | 16' 50" | 22' 44" | 19' 23" | 17' 45" | 15' 18" | 22' 55" | 19' 50" | 19' 50" | 11' 03" |        |        |
| 月日      | 02/01   | 01/31   | 01/31   | 01/31   | 01/31   | 01/31   | 01/31   | 01/31   | 02/01   | 02/01   | 02/01   | 02/01   | 02/01   | 02/01   | 02/01   | 02/01   | 02/01   | 02/01   | 02/01   | 02/01   | 02/01  |        |
| 時分      | 14:37   | 16:04   | 15:27   | 14:42   | 13:56   | 13:09   | 12:07   | 11:29   | 10:04   | 09:35   | 14:12   | 10:29   | 13:26   | 10:50   | 11:12   | 11:57   | 13:04   | 12:41   | 13:46   | 11:31   |        |        |
| 水       | 0 m     | 11.7    | 10.7    | 11.8    | 11.5    | 10.4    | 10.5    | 10.4    | 10.3    | 10.3    | 11.3    | 10.0    | 11.2    | 10.2    | 10.4    | 10.3    | 11.1    | 11.3    | 11.2    | 10.5    | 10.8   |        |
|         | 5 m     | 10.75   | 10.31   | 11.11   | 11.39   | 10.24   | 10.22   | 10.29   | 10.35   | 10.33   | 10.40   | 10.52   | 10.22   | 10.61   | 10.24   | 9.97    | 10.06   | 10.78   | 10.80   | 10.51   | 10.24  | 10.47  |
|         | 10 m    | 11.05   | 10.52   | 11.32   | 11.45   | 10.24   | 10.19   | 10.37   | 10.42   | 10.39   | 10.52   | 10.33   | 10.65   | 10.44   | 10.21   | 10.29   | 10.70   | 10.51   | 10.65   | 10.30   | 10.55  |        |
| 温       | 20 m    |         | 11.34   | 11.37   | 11.47   | 10.68   | 10.25   | 10.45   | 10.41   | 10.44   |         |         |         |         |         |         |         |         |         | 10.31   | 10.75  |        |
|         | 30 m    |         | 11.56   | 11.65   | 11.48   | 10.91   | 10.31   | 10.46   | 10.42   |         |         |         |         |         |         |         |         |         |         |         |        | 10.97  |
| ℃       | 底層      | 11.04   | 11.74   | 11.64   | 11.50   | 11.16   | 10.63   | 10.51   | 10.42   | 10.44   | 10.37   | 10.53   | 10.33   | 10.65   | 10.47   | 10.45   | 10.35   | 10.70   | 10.61   | 10.64   | 10.31  | 10.72  |
|         | 0 m     | 31.90   | 31.64   | 32.75   | 32.62   | 31.93   | 32.01   | 32.07   | 32.05   | 31.97   | 31.65   | 31.67   | 31.13   | 30.74   | 30.79   | 27.83   | 28.07   | 29.81   | 25.79   | 31.58   | 31.95  | 31.00  |
| 塩       | 5 m     | 31.99   | 31.87   | 32.37   | 32.65   | 31.94   | 31.99   | 31.76   | 32.06   | 32.01   | 31.82   | 31.72   | 31.96   | 31.94   | 31.46   | 31.05   | 30.83   | 31.68   | 31.17   | 31.82   | 31.97  | 31.80  |
|         | 10 m    | 32.24   | 31.95   | 32.55   | 32.70   | 32.01   | 31.99   | 31.94   | 32.08   | 32.06   | 31.95   | 31.91   | 32.05   | 32.02   | 32.03   | 31.65   | 31.67   | 31.99   | 31.91   | 32.00   | 32.03  | 32.04  |
| 分       | 20 m    |         | 32.50   | 32.61   | 32.71   | 32.27   | 32.05   | 32.12   | 32.08   | 32.10   |         |         |         |         |         |         |         |         |         |         | 32.04  | 32.28  |
|         | 30 m    |         | 32.67   | 32.78   | 32.72   | 32.37   | 32.08   | 32.12   | 32.11   |         |         |         |         |         |         |         |         |         |         |         |        | 32.41  |
| psu     | 底層      | 32.23   | 32.83   | 32.84   | 32.74   | 32.51   | 32.20   | 32.14   | 32.12   | 32.10   | 31.98   | 31.92   | 32.06   | 32.02   | 32.08   | 32.09   | 32.00   | 31.99   | 31.97   | 32.00   | 32.04  | 32.19  |
| 海       | 水深m     | 12.5    | 45.0    | 41.0    | 59.0    | 53.5    | 57.5    | 63.5    | 34.5    | 21.0    | 19.0    | 13.0    | 12.0    | 18.0    | 19.0    | 17.5    | 11.5    | 14.0    | 13.0    | 22.5    | 28.3   |        |
|         | 透視度     | 7.8     | 8.8     | 5.1     | 6.8     | 10.6    | 5.2     | 6.9     | 6.5     | 6.4     | 5.1     | 6.4     | 6.2     | 6.0     | 5.3     | 4.7     | 6.8     | 3.0     | 6.1     | 9.4     | 6.5    |        |
| 象       | 波浪      | 1       | 1       | 1       | 2       | 2       | 2       | 2       | 2       | 1       | 1       | 1       | 1       | 1       | 1       | 1       | 1       | 1       | 1       | 1       | 1      |        |
|         | 天気      | c       | b       | b       | b       | b       | b       | b       | b       | bc      | c       | b       | c       | c       | bc      | b       | c       | bc      | c       | b       | b      |        |
| 気       | 気温℃     | 12.0    | 17.5    | 14.0    | 12.0    | 11.0    | 11.2    | 10.5    | 10.3    | 9.0     | 9.0     | 10.0    | 9.5     | 11.0    | 7.5     | 13.0    | 12.0    | 11.5    | 12.0    | 10.5    | 9.5    | 11.2   |
|         | 風向風力    | 0       | WSW 2   | WNW 3   | WNW 4   | WSW 4   | W 4     | W 4     | W 3     | NE 2    | NE 1    | 0       | NE 2    | SSW 2   | N 1     | SSE 1   | S 1     | S 2     | S 1     | NE 1    |        |        |
| 象       | 雲形雲量    | Ac 9    | 0       | 0       | 0       | 0       | 0       | 0       | 0       | Ac 3    | Ac 10   | Ac 3    | Ac 10   | Ac 8    | Ac 7    | Ac 1    | Ac 9    | Ac 6    | Ac 10   | Ac 1    |        |        |
|         | 気圧      | 1019.9  | 1021.9  | 1021.6  | 1021.5  | 1021.6  | 1021.6  | 1021.4  | 1021.4  | 1022.4  | 1022.6  | 1019.9  | 1022.6  | 1020.2  | 1022.8  | 1022.6  | 1021.5  | 1020.4  | 1020.7  | 1020.0  | 1022.1 | 1021.4 |
| 備       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |        |
| 考       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |        |



表3 つつき

2014年4月

| 観測点     | St. 1   | St. 2   | St. 3   | St. 4   | St. 5   | St. 6   | St. 7   | St. 8   | St. 9   | St. 10  | St. 11  | St. 12  | St. 13  | St. 14  | St. 15  | St. 16  | St. 17   | St. 18   | St. 19   | St. 20  | 平均     |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|---------|--------|
| 緯度34°   | 21' 08" | 20' 50" | 20' 50" | 20' 50" | 27' 30" | 33' 47" | 32' 39" | 29' 57" | 27' 26" | 24' 27" | 25' 05" | 30' 22" | 32' 35" | 32' 59" | 36' 00" | 38' 02" | 36' 12"  | 40' 12"  | 28' 12"  | 35' 36" |        |
| 経度135°  |         |         |         | 134°    |         |         |         |         |         |         |         |         |         |         |         |         |          |          |          |         |        |
| (WG584) | 10' 57" | 06' 56" | 01' 58" | 57' 47" | 00' 57" | 03' 31" | 07' 34" | 10' 44" | 13' 50" | 10' 50" | 16' 53" | 16' 50" | 22' 44" | 19' 23" | 17' 45" | 15' 18" | 22' 55"  | 19' 50"  | 19' 50"  | 11' 03" |        |
| 月日      | 04/07   | 04/08   | 04/08   | 04/08   | 04/08   | 04/08   | 04/08   | 04/08   | 04/07   | 04/07   | 04/07   | 04/07   | 04/07   | 04/07   | 04/07   | 04/07   | 04/07    | 04/07    | 04/07    | 04/07   | 04/07  |
| 時分      | 14:29   | 09:25   | 09:50   | 10:13   | 10:46   | 11:16   | 11:40   | 12:05   | 10:10   | 09:46   | 14:05   | 10:28   | 13:19   | 10:50   | 11:07   | 11:47   | 13:00    | 12:35    | 13:42    | 11:30   |        |
| 水       | Om      | 12.4    | 12.3    | 12.1    | 11.8    | 12.1    | 11.8    | 12.6    | 12.0    | 11.7    | 12.6    | 12.1    | 12.2    | 11.3    | 12.1    | 11.8    | 12.6     | 12.3     | 13.3     | 11.8    | 12.2   |
| 温       | 5 m     | 12.33   | 12.14   | 11.97   | 11.44   | 11.39   | 11.41   | 11.29   | 11.03   | 11.35   | 11.24   | 11.25   | 11.63   | 11.34   | 11.36   | 11.09   | 11.24    | 11.18    | 11.34    | 11.36   | 11.44  |
| ℃       | 1.0 m   | 12.59   | 12.37   | 12.09   | 11.48   | 11.34   | 11.40   | 11.24   | 11.35   | 11.17   | 11.30   | 10.95   | 10.70   | 11.01   | 11.28   | 11.25   | 10.80    | 10.21    | 10.81    | 11.34   | 11.30  |
|         | 2.0 m   | 12.70   | 12.36   | 11.97   | 11.31   | 11.41   | 11.28   | 11.41   | 10.94   |         |         |         |         |         |         |         |          |          |          | 11.39   | 11.64  |
|         | 3.0 m   | 12.70   | 12.59   | 12.47   | 12.16   | 11.45   | 11.33   | 11.42   |         |         |         |         |         |         |         |         |          |          |          |         | 12.02  |
|         | 底層      | 12.61   | 12.71   | 12.58   | 12.60   | 12.53   | 11.64   | 11.38   | 11.44   | 10.94   | 11.73   | 10.85   | 11.21   | 10.62   | 11.11   | 11.29   | 10.79    | 10.44    | 10.14    | 10.67   | 11.43  |
| 塩       | Om      | 31.01   | 31.32   | 31.65   | 31.91   | 31.75   | 32.04   | 31.95   | 31.80   | 31.76   | 30.56   | 30.01   | 28.26   | 25.38   | 25.83   | 28.16   | 29.11    | 24.24    | 27.17    | 28.15   | 29.69  |
|         | 5 m     | 32.31   | 31.97   | 32.16   | 31.98   | 31.83   | 32.03   | 31.92   | 30.96   | 31.08   | 30.94   | 31.46   | 30.62   | 29.82   | 31.24   | 30.85   | 30.99    | 30.61    | 30.57    | 32.00   | 31.37  |
|         | 1.0 m   | 32.61   | 32.48   | 32.50   | 32.12   | 31.90   | 32.04   | 31.92   | 31.47   | 31.92   | 31.29   | 31.80   | 31.79   | 31.70   | 31.99   | 31.97   | 31.93    | 31.99    | 31.78    | 32.04   | 31.96  |
| 分       | 2.0 m   | 32.83   | 32.67   | 32.36   | 32.36   | 32.01   | 32.05   | 31.97   | 32.06   | 31.93   |         |         |         |         |         |         |          |          |          | 32.09   | 32.22  |
|         | 3.0 m   | 32.84   | 32.87   | 32.78   | 32.78   | 32.58   | 32.10   | 32.01   | 32.09   |         |         |         |         |         |         |         |          |          |          |         | 32.47  |
| psu     | 底層      | 32.65   | 32.86   | 32.87   | 32.88   | 32.86   | 32.31   | 32.07   | 32.11   | 31.93   | 32.29   | 31.89   | 32.00   | 31.84   | 31.93   | 32.03   | 31.93    | 32.01    | 31.86    | 32.10   | 32.22  |
| 海       | 水深m     | 13.0    | 44.5    | 41.0    | 59.0    | 54.0    | 59.0    | 66.5    | 34.0    | 20.5    | 18.0    | 19.0    | 12.5    | 17.5    | 19.0    | 17.5    | 12.5     | 14.0     | 13.5     | 22.5    | 28.5   |
|         | 水色      | 2.5G5/6 | 10GY5/6 | 2.5G5/6 | 2.5G4/6 | 10GY5/6 | 10G4/6  | 10G4/6  | 7.5G4/6 | 2.5G5/6 | 10GY5/8 | 10GY4/4 | 5GY5/6  | 5GY4/4  | 5GY4/4  | 5GY5/6  | 2.5GY5/4 | 2.5GY5/6 | 7.5GY4/4 | 2.5G4/6 |        |
| 象       | 透明度     | 4.8     | 6.7     | 6.1     | 7.5     | 5.9     | 7.0     | 8.0     | 7.3     | 6.9     | 6.3     | 5.8     | 3.2     | 2.4     | 2.5     | 2.4     | 1.9      | 2.0      | 2.1      | 6.0     | 4.9    |
|         | 波浪      | 0.5     | 0.5     | 0.5     | 0.5     | 0.5     | 0.5     | 0.5     | 0.5     | 0.5     | 0.5     | 0.5     | 0.5     | 0.5     | 0.5     | 0.5     | 0.5      | 0.5      | 0.5      | 0.5     |        |
|         | 天気      | c       | b       | b       | b       | b       | b       | b       | b       | b       | c       | b       | c       | b       | bc      | bc      | c        | bc       | c        | bc      | bc     |
| 氣       | 気温℃     | 12.0    | 15.2    | 12.5    | 13.0    | 12.8    | 12.9    | 13.0    | 13.2    | 9.0     | 8.5     | 13.1    | 8.2     | 11.5    | 8.3     | 8.0     | 10.2     | 12.3     | 11.0     | 12.2    | 8.2    |
|         | 風向風力    | W 3     | NE 2    | NE 3    | NE 2    | E 3     | SW 2    | S 2     | S 2     | W 2     | 0       | WSW 2   | W 2     | WSW 2   | WSW 3   | SSW 3   | SW 3     | SSW 4    | SSW 4    | WSW     | S      |
| 象       | 雲形雲量    | As 10   | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | As 10   | 0       | As 8    | 0       | As 5    | As 7    | As 8     | As 7     | As 10    | As 7    |        |
|         | 気圧      | 1016.6  | 1016.5  | 1016.5  | 1016.5  | 1016.3  | 1016.1  | 1015.8  | 1015.5  | 1019.5  | 1019.6  | 1019.2  | 1016.7  | 1018.9  | 1018.7  | 1018.4  | 1016.8   | 1017.4   | 1016.7   | 1018.6  | 1017.3 |
| 備       |         |         |         |         |         |         |         |         |         |         |         |         | 赤潮      | 赤潮      | 赤潮      | 赤潮      | 赤潮       | 赤潮       | 赤潮       |         |        |
| 考       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |          |          |          |         |        |
|         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |          |          |          |         |        |
|         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |          |          |          |         |        |
|         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |          |          |          |         |        |
|         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |          |          |          |         |        |
|         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |          |          |          |         |        |

表3 つつき

2014年5月

| 観測点     | St. 1   | St. 2   | St. 3   | St. 4   | St. 5   | St. 6   | St. 7   | St. 8   | St. 9   | St. 10  | St. 11  | St. 12  | St. 13  | St. 14  | St. 15  | St. 16  | St. 17  | St. 18  | St. 19  | St. 20  | 平均     |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
| 緯度24°   | 21' 08" | 20' 50" | 20' 50" | 20' 50" | 27' 30" | 33' 47" | 32' 39" | 29' 57" | 27' 26" | 24' 27" | 25' 05" | 30' 22" | 32' 35" | 32' 59" | 36' 00" | 38' 02" | 36' 12" | 40' 12" | 28' 12" | 35' 36" |        |
| 経度135°  |         |         | 134°    |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| (WG584) | 10' 57" | 06' 56" | 01' 58" | 57' 47" | 00' 57" | 03' 31" | 07' 34" | 10' 44" | 13' 50" | 10' 50" | 16' 53" | 16' 50" | 22' 44" | 19' 23" | 17' 45" | 15' 18" | 22' 55" | 19' 50" | 19' 50" | 11' 03" |        |
| 月 日     | 05/13   | 05/15   | 05/15   | 05/15   | 05/15   | 05/15   | 05/15   | 05/15   | 05/13   | 05/13   | 05/13   | 05/13   | 05/13   | 05/13   | 05/13   | 05/13   | 05/13   | 05/13   | 05/13   | 05/13   | 05/13  |
| 時 分     | 15:02   | 09:29   | 09:54   | 10:17   | 10:49   | 11:20   | 11:56   | 12:40   | 10:15   | 09:50   | 14:36   | 10:34   | 13:40   | 11:00   | 11:18   | 12:04   | 13:21   | 12:50   | 14:06   | 11:43   |        |
| 水       | 0 m     | 18.1    | 16.9    | 16.5    | 16.2    | 15.8    | 15.8    | 16.1    | 18.0    | 16.9    | 18.7    | 17.3    | 17.8    | 17.3    | 17.0    | 17.1    | 17.8    | 17.3    | 18.1    | 16.6    | 17.1   |
|         | 5 m     | 15.53   | 16.54   | 16.29   | 16.00   | 15.85   | 15.53   | 15.52   | 15.64   | 15.52   | 16.02   | 16.13   | 17.32   | 16.19   | 16.26   | 15.90   | 16.51   | 16.80   | 17.59   | 15.58   | 16.1   |
|         | 10 m    | 15.58   | 16.52   | 16.27   | 16.07   | 16.16   | 15.55   | 15.51   | 15.58   | 15.43   | 15.01   | 14.95   | 14.46   | 14.84   | 15.64   | 14.29   | 14.17   | 13.90   | 14.79   | 15.28   | 15.28  |
| 温       | 20 m    |         | 16.47   | 16.29   | 16.39   | 15.93   | 15.55   | 15.51   | 15.53   |         |         |         |         |         |         |         |         |         |         | 15.06   | 15.84  |
|         | 30 m    |         | 16.52   | 16.44   | 16.40   | 16.14   | 15.52   | 15.51   | 15.50   |         |         |         |         |         |         |         |         |         |         |         | 16.00  |
| ℃       | 底層      | 15.62   | 16.64   | 16.51   | 16.46   | 16.37   | 15.77   | 15.52   | 15.50   | 14.94   | 15.66   | 14.98   | 14.41   | 14.29   | 14.73   | 14.85   | 14.19   | 14.16   | 14.00   | 14.05   | 15.19  |
| 塩       | 0 m     | 31.65   | 32.30   | 32.37   | 31.12   | 32.89   | 32.34   | 32.37   | 31.99   | 30.67   | 31.76   | 30.08   | 30.50   | 30.13   | 30.71   | 30.96   | 29.46   | 29.21   | 30.67   | 31.62   | 31.19  |
|         | 5 m     | 32.33   | 32.85   | 32.71   | 32.72   | 32.29   | 32.40   | 32.39   | 32.18   | 32.05   | 31.68   | 31.43   | 30.68   | 31.22   | 31.32   | 31.39   | 30.39   | 30.00   | 30.91   | 32.06   | 31.76  |
|         | 10 m    | 32.53   | 32.88   | 32.77   | 32.83   | 32.62   | 32.43   | 32.39   | 32.31   | 32.06   | 32.07   | 32.24   | 32.11   | 32.33   | 32.03   | 32.15   | 32.19   | 32.13   | 32.08   | 32.24   | 32.34  |
| 分       | 20 m    |         | 32.91   | 32.83   | 33.11   | 32.86   | 32.45   | 32.44   | 32.35   |         |         |         |         |         |         |         |         |         |         | 32.36   | 32.66  |
|         | 30 m    |         | 33.05   | 33.08   | 33.13   | 33.01   | 32.44   | 32.46   | 32.36   |         |         |         |         |         |         |         |         |         |         |         | 32.79  |
| psu     | 底層      | 32.54   | 33.16   | 33.19   | 33.17   | 33.14   | 32.92   | 32.50   | 32.36   | 32.11   | 32.54   | 32.07   | 32.28   | 32.23   | 32.33   | 32.34   | 32.20   | 32.23   | 32.26   | 32.22   | 32.36  |
| 海       | 水深m     | 13.0    | 44.5    | 41.5    | 58.5    | 53.0    | 57.0    | 65.5    | 33.0    | 20.0    | 17.0    | 18.5    | 12.0    | 17.0    | 18.5    | 17.0    | 11.5    | 13.5    | 13.0    | 21.5    | 27.9   |
| 象       | 透明度     | 6.7     | 6.5     | 8.8     | 8.2     | 8.1     | 7.9     | 8.1     | 8.5     | 8.2     | 6.7     | 7.4     | 4.5     | 5.7     | 5.8     | 5.2     | 3.0     | 3.7     | 5.7     | 7.5     | 6.7    |
|         | 波浪      | 1       | 2       | 2       | 2       | 2       | 2       | 2       | 2       | 2       | 2       | 1       | 2       | 2       | 2       | 2       | 2       | 2       | 2       | 2       | 2      |
| 気       | 天気      | b       | c       | c       | c       | c       | c       | c       | c       | bc      | b       | bc      | b       | bc      | b       | b       | b       | b       | b       | b       | b      |
|         | 気温℃     | 21.1    | 15.3    | 15.2    | 16.0    | 16.1    | 16.0    | 15.1    | 15.9    | 17.9    | 17.0    | 17.2    | 19.9    | 17.8    | 17.1    | 18.8    | 19.4    | 19.6    | 19.7    | 17.4    | 17.6   |
| 象       | 風向風力    | SW 2    | W 3     | WSW 2   | ESE 2   | SSW 2   | SW 2    | WSW 3   | W 3     | W 2     | NW 2    | WNW 3   | WSW 3   | SW 2    | W 3     | SSW 3   | SW 3    | SW 4    | SW 2    | SW 3    |        |
|         | 雲形雲量    | 0       | St 10   | St 10   | St 10   | St 10   | St 10   | St 10   | St 10   | As 3    | As 4    | As 3    | 0       | As 3    | As 1    | Cu 1    | 0       | 0       | 0       | As 1    |        |
|         | 気圧      | 1006.1  | 995.3   | 995.3   | 995.3   | 995.2   | 995.0   | 994.9   | 1008.1  | 1008.2  | 1006.2  | 1008.1  | 1006.6  | 1008.1  | 1008.0  | 1007.6  | 1006.9  | 1007.2  | 1006.4  | 1007.7  | 1003.1 |
| 備       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| 考       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |





表3 つづき

2014年7月

| 観測点     | St. 1   | St. 2   | St. 3   | St. 4   | St. 5   | St. 6   | St. 7   | St. 8   | St. 9   | St. 10  | St. 11  | St. 12  | St. 13  | St. 14                           | St. 15  | St. 16   | St. 17  | St. 18  | St. 19   | St. 20  | 平均     |      |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------------------------------|---------|----------|---------|---------|----------|---------|--------|------|
| 緯度24°   | 21' 08" | 20' 50" | 20' 50" | 20' 50" | 27' 30" | 33' 47" | 32' 39" | 29' 57" | 27' 26" | 24' 27" | 25' 05" | 30' 22" | 32' 35" | 32' 59"                          | 36' 00" | 38' 02"  | 36' 12" | 40' 12" | 28' 12"  | 35' 36" |        |      |
| 経度135°  | 10' 57" | 06' 56" | 01' 58" | 57' 47" | 00' 57" | 03' 31" | 07' 34" | 10' 44" | 13' 50" | 10' 50" | 16' 53" | 16' 50" | 22' 44" | 19' 23"                          | 17' 45" | 15' 18"  | 22' 55" | 19' 50" | 19' 50"  | 11' 03" |        |      |
| (WG584) |         |         | 134°    |         |         |         |         |         |         |         |         |         |         |                                  |         |          |         |         |          |         |        |      |
| 月日      | 07/15   | 07/14   | 07/14   | 07/14   | 07/14   | 07/14   | 07/14   | 07/14   | 07/15   | 07/15   | 07/15   | 07/15   | 07/15   | 07/15                            | 07/15   | 07/15    | 07/15   | 07/15   | 07/15    | 07/15   | 07/15  |      |
| 時分      | 14:23   | 10:37   | 11:11   | 11:30   | 12:02   | 12:46   | 13:10   | 13:36   | 10:04   | 09:44   | 14:02   | 10:23   | 13:19   | 10:45                            | 11:02   | 11:47    | 13:00   | 12:33   | 13:39    | 11:25   |        |      |
|         | 0 m     | 27.8    | 23.8    | 23.6    | 24.0    | 23.8    | 23.2    | 23.3    | 24.9    | 25.8    | 27.2    | 26.5    | 27.1    | 26.9                             | 26.9    | 27.2     | 27.8    | 27.1    | 27.1     | 26.1    | 25.7   |      |
| 水       | 5 m     | 23.51   | 23.58   | 23.09   | 22.80   | 23.02   | 22.91   | 22.96   | 23.57   | 22.93   | 23.97   | 23.55   | 24.60   | 24.18                            | 24.05   | 24.39    | 24.79   | 24.17   | 23.30    | 23.22   | 23.58  |      |
|         | 10 m    | 23.40   | 23.51   | 22.99   | 22.71   | 22.90   | 22.87   | 22.96   | 23.15   | 22.66   | 22.30   | 22.63   | 21.96   | 22.27                            | 23.08   | 22.61    | 21.04   | 21.70   | 21.81    | 23.12   | 22.63  |      |
| 温       | 20 m    |         | 23.19   | 23.10   | 22.66   | 23.05   | 22.92   | 22.94   | 22.94   |         |         |         |         |                                  |         |          |         |         |          | 23.04   | 22.98  |      |
|         | 30 m    |         | 23.17   | 23.08   | 22.69   | 23.08   | 22.96   | 22.93   | 22.93   |         |         |         |         |                                  |         |          |         |         |          |         | 22.98  |      |
| °C      | 底層      | 23.40   | 23.16   | 23.07   | 22.62   | 22.96   | 22.88   | 22.93   | 21.71   | 22.63   | 22.21   | 21.22   | 21.83   | 21.68                            | 22.01   | 22.51    | 20.95   | 21.02   | 21.75    | 23.04   | 22.33  |      |
|         | 0 m     | 30.39   | 32.28   | 32.15   | 32.64   | 31.98   | 32.44   | 32.63   | 31.49   | 30.17   | 30.45   | 30.68   | 29.25   | 27.77                            | 26.72   | 25.47    | 26.01   | 20.36   | 29.78    | 30.55   | 29.79  |      |
| 塩       | 5 m     | 32.70   | 32.84   | 32.39   | 33.25   | 32.45   | 32.63   | 32.61   | 31.91   | 32.28   | 31.54   | 32.04   | 31.36   | 31.64                            | 31.64   | 30.32    | 30.90   | 30.08   | 31.66    | 32.39   | 31.96  |      |
|         | 10 m    | 32.77   | 32.86   | 32.66   | 33.29   | 32.52   | 32.62   | 32.62   | 32.36   | 32.41   | 32.28   | 32.50   | 32.15   | 32.43                            | 32.40   | 32.53    | 32.37   | 32.73   | 32.37    | 32.47   | 32.55  |      |
| 分       | 20 m    |         | 32.98   | 32.90   | 33.35   | 32.82   | 32.66   | 32.66   |         |         |         |         |         |                                  |         |          |         |         |          | 32.54   | 32.82  |      |
|         | 30 m    |         | 32.97   | 33.13   | 33.36   | 32.97   | 32.68   | 32.67   |         |         |         |         |         |                                  |         |          |         |         |          |         | 32.92  |      |
| psu     | 底層      | 32.77   | 32.97   | 33.14   | 33.35   | 33.13   | 32.88   | 32.67   | 32.64   | 32.54   | 32.32   | 32.70   | 32.18   | 32.72                            | 32.72   | 32.61    | 32.44   | 32.67   | 32.41    | 32.53   | 32.70  |      |
|         | 海深m     | 12.5    | 42.0    | 42.5    | 55.5    | 52.5    | 54.5    | 67.0    | 20.5    | 18.5    | 13.0    | 19.0    | 11.5    | 17.5                             | 18.5    | 17.0     | 11.5    | 13.5    | 13.5     | 22.0    | 27.8   |      |
| 海       | 水色      | 10GY4/4 | 7.5G4/4 | 7.5G4/4 | 10G4/6  | 5G4/4   | 7.5G4/4 | 5G4/4   | 5G3/4   | 7.5G3/4 | 10GY4/4 | 2.5G4/4 | 2.5G4/4 | 5GY4/4                           | 5GY4/4  | 2.5GY4/2 | 10Y4/4  | 5Y4/1   | 7.5GY4/4 | 5G4/4   |        |      |
| 象       | 透明度     | 3.4     | 6.3     | 5.5     | 3.8     | 6.7     | 6.2     | 6.0     | 6.5     | 4.3     | 4.8     | 4.0     | 2.1     | 2.6                              | 2.6     | 2.5      | 2.7     | 1.5     | 2.8      | 4.9     | 4.3    |      |
|         | 波浪      | 1       | 2       | 2       | 2       | 2       | 2       | 2       | 1       | 1       | 2       | 1       | 2       | 2                                | 2       | 2        | 2       | 2       | 2        | 2       | 2      |      |
| 気       | 天気      | bc      | c       | c       | bc      | c       | c       | c       | bc      | bc      | bc      | b       | b       | b                                | b       | b        | b       | b       | b        | b       | bc     |      |
|         | 気温°C    | 29.3    | 25.0    | 24.4    | 24.3    | 26.1    | 25.2    | 25.0    | 25.1    | 25.5    | 28.4    | 26.1    | 28.5    | 26.2                             | 26.0    | 28.3     | 28.2    | 28.2    | 28.2     | 29.0    | 25.0   | 26.5 |
| 象       | 風向風力    | W 2     | S 2     | S 3     | SSE 3   | S 3     | NE 1    | N 2     | NW 1    | N 1     | SW 2    | 0       | SW 3    | WSW 2                            | SW 3    | SSW 3    | WSW 3   | WSW 3   | WSW 3    | WSW 3   | SW 3   |      |
|         | 雲形雲量    | CU 7    | St 9    | St 9    | St 7    | St 9    | St 10   | St 10   | Ac 4    | Ac 6    | Ci 4    | Ac 2    | Ci 1    | Ac 1                             | Ac 1    | Ac 2     | Ci 1    | Ci 1    | Ac 2     | Ac 3    |        |      |
| 備       | 気圧      | 1010.6  | 1005.6  | 1005.6  | 1005.7  | 1005.8  | 1006.0  | 1006.0  | 1011.7  | 1011.7  | 1010.6  | 1011.7  | 1010.6  | 1011.6                           | 1011.6  | 1011.4   | 1010.6  | 1010.9  | 1010.6   | 1011.5  | 1009.3 |      |
| 考       |         |         |         |         |         |         |         |         |         |         |         |         | 赤潮      |                                  |         |          |         |         |          | 赤潮      |        |      |
|         |         |         |         |         |         |         |         |         |         |         |         |         |         | 赤潮優占種: <i>Thalassiosira</i> spp. |         |          |         |         |          |         |        |      |

表3 つづき

2014年8月

| 観測点     | St. 1   | St. 2   | St. 3   | St. 4   | St. 5   | St. 6   | St. 7   | St. 8   | St. 9   | St. 10  | St. 11  | St. 12  | St. 13  | St. 14   | St. 15  | St. 16  | St. 17  | St. 18  | St. 19  | St. 20   | 平均    |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|---------|---------|---------|---------|---------|----------|-------|
| 緯度24°   | 21' 08" | 20' 50" | 20' 50" | 20' 50" | 27' 30" | 33' 47" | 32' 39" | 29' 57" | 27' 26" | 24' 27" | 25' 05" | 30' 22" | 32' 35" | 32' 59"  | 36' 00" | 38' 02" | 36' 12" | 40' 12" | 28' 12" | 35' 36"  |       |
| 経度135°  |         |         | 134°    |         |         |         |         |         |         |         |         |         |         |          |         |         |         |         |         |          |       |
| (WG584) | 10' 57" | 06' 56" | 01' 58" | 57' 47" | 00' 57" | 03' 31" | 07' 34" | 10' 44" | 13' 50" | 10' 50" | 16' 53" | 16' 50" | 22' 44" | 19' 23"  | 17' 45" | 15' 18" | 22' 55" | 19' 50" | 19' 50" | 11' 03"  |       |
| 月日      | 08/11   | 08/12   | 08/12   | 08/12   | 08/12   | 08/12   | 08/12   | 08/12   | 08/11   | 08/11   | 08/11   | 08/11   | 08/11   | 08/11    | 08/11   | 08/11   | 08/11   | 08/11   | 08/11   | 08/11    | 08/11 |
| 時分      | 15:10   | 09:30   | 09:53   | 10:16   | 10:50   | 11:25   | 11:51   | 12:40   | 10:26   | 10:05   | 14:46   | 10:45   | 13:55   | 11:06    | 11:27   | 12:20   | 13:35   | 13:08   | 14:20   | 11:54    |       |
| 水       | 0 m     | 26.1    | 25.4    | 25.6    | 25.8    | 26.2    | 25.8    | 26.2    | 25.8    | 25.8    | 26.2    | 25.4    | 27.0    | 26.3     | 25.9    | 26.4    | 26.7    | 24.8    | 26.6    | 26.1     | 26.0  |
|         | 5 m     | 25.40   | 25.25   | 25.43   | 25.20   | 25.33   | 25.40   | 25.21   | 25.36   | 25.09   | 25.20   | 25.46   | 25.50   | 25.54    | 25.51   | 25.51   | 25.51   | 25.51   | 25.22   | 25.36    | 25.36 |
|         | 10 m    | 25.14   | 25.22   | 25.34   | 25.14   | 25.23   | 25.30   | 25.20   | 25.27   | 25.03   | 25.16   | 25.33   | 25.33   | 25.42    | 25.52   | 25.47   | 25.32   | 25.38   | 25.24   | 25.23    | 25.27 |
| 温       | 20 m    |         | 25.16   | 25.19   | 25.16   | 25.17   | 25.26   | 25.20   | 25.18   |         |         |         |         |          |         |         |         |         |         | 25.10    | 25.18 |
|         | 30 m    |         | 25.06   | 25.04   | 25.04   | 25.02   | 25.18   | 25.20   | 25.14   |         |         |         |         |          |         |         |         |         |         |          | 25.10 |
| °C      | 底層      | 25.12   | 25.06   | 25.02   | 25.01   | 24.75   | 25.09   | 25.16   | 25.14   | 25.18   | 24.99   | 25.16   | 25.24   | 25.22    | 25.31   | 25.36   | 25.33   | 25.31   | 25.24   | 25.09    | 25.15 |
|         | 0 m     | 30.07   | 31.30   | 29.02   | 30.84   | 28.66   | 28.48   | 26.91   | 29.88   | 31.40   | 27.37   | 12.27   | 22.09   | 15.63    | 6.39    | 5.45    | 13.91   | 5.05    | 23.27   | 8.14     | 21.75 |
| 塩       | 5 m     | 31.08   | 31.30   | 31.14   | 31.37   | 30.34   | 31.20   | 31.29   | 31.46   | 31.46   | 31.12   | 31.42   | 30.56   | 30.79    | 30.19   | 28.88   | 30.84   | 29.59   | 30.18   | 30.57    | 30.81 |
|         | 10 m    | 31.40   | 31.32   | 31.39   | 31.48   | 31.44   | 30.84   | 31.24   | 31.78   | 31.49   | 31.83   | 31.79   | 31.52   | 31.61    | 30.95   | 31.05   | 31.51   | 31.14   | 31.87   | 31.59    | 31.43 |
| 分       | 20 m    |         | 31.55   | 31.74   | 31.82   | 31.52   | 31.22   | 31.27   | 31.35   |         |         |         |         |          |         |         |         |         |         | 31.87    | 31.54 |
|         | 30 m    |         | 31.73   | 32.02   | 32.09   | 31.77   | 31.50   | 31.28   | 31.61   |         |         |         |         |          |         |         |         |         |         |          | 31.71 |
| psu     | 底層      | 31.42   | 31.73   | 32.12   | 32.25   | 32.08   | 31.67   | 31.44   | 31.61   | 32.06   | 32.11   | 31.83   | 32.05   | 31.85    | 32.07   | 31.79   | 31.59   | 31.54   | 31.15   | 31.89    | 31.81 |
| 海       | 水深m     | 13.0    | 43.5    | 40.5    | 58.5    | 57.0    | 64.5    | 33.0    | 20.0    | 18.0    | 13.0    | 19.0    | 12.0    | 17.5     | 18.5    | 17.0    | 11.5    | 13.5    | 13.0    | 22.0     | 27.9  |
|         | 水色      | 5G5/4   | 5G5/4   | 5G6/4   | 7.5G4/4 | 5G4/4   | 2.5G4/4 | 5G4/4   | 2.5G5/4 | 5G5/6   | 2.5G5/4 | 5GY6/4  | 5GY6/4  | 7.5GY6/4 | 7.5Y6/4 | 10Y6/4  | 5GY6/4  | 7.5Y6/4 | 10GY5/4 | 2.5GY6/4 |       |
| 象       | 透明度     | 3.8     | 4.9     | 3.2     | 5.2     | 7.0     | 9.7     | 5.2     | 3.1     | 5.2     | 3.0     | 1.7     | 2.7     | 2.0      | 1.0     | 0.8     | 1.0     | 0.6     | 2.9     | 1.0      | 3.5   |
|         | 波浪      | 2       | 1       | 2       | 1       | 2       | 1       | 1       | 2       | 1       | 2       | 2       | 2       | 2        | 2       | 2       | 2       | 2       | 2       | 2        | 2     |
| 気       | 天気      | b       | c       | c       | c       | c       | c       | c       | bc      | b       | b       | bc      | bc      | bc       | bc      | bc      | bc      | bc      | bc      | bc       | bc    |
|         | 気温°C    | 27.5    | 26.2    | 26.9    | 28.0    | 30.0    | 29.4    | 27.0    | 27.6    | 28.2    | 29.2    | 26.9    | 31.1    | 26.9     | 26.0    | 30.1    | 29.7    | 30.1    | 30.5    | 30.0     | 28.4  |
| 象       | 風向風力    | W 4     | E 2     | NE 2    | ENE 2   | ENE 1   | ENE 1   | E 2     | 0       | SW 2    | WSW 3   | WSW 2   | SW 3    | WSW 3    | W 3     | SW 3    | W 3     | SSW 3   | W 3     | W 3      |       |
|         | 雲形雲量    | As 2    | St 10   | ST 10   | St 10   | St 10   | St 9    | St 10   | As 5    | As 2    | As 1    | As 5    | As 6    | As 4     | As 3    | As 3    | As 4    | Ci 5    | As 4    | As 4     |       |
| 備       | 気圧      | 998.3   | 1001.6  | 1001.6  | 1001.7  | 1002.0  | 1002.1  | 1002.2  | 998.8   | 998.6   | 998.3   | 998.9   | 998.5   | 999.0    | 998.9   | 998.6   | 998.5   | 998.5   | 998.4   | 998.7    | 999.8 |
| 考       |         |         |         |         |         |         |         |         |         |         |         |         |         |          |         |         |         |         |         |          |       |

表3 つづき

2014年9月

| 観測点     | St. 1   | St. 2    | St. 3                           | St. 4   | St. 5   | St. 6   | St. 7   | St. 8   | St. 9   | St. 10  | St. 11  | St. 12  | St. 13   | St. 14  | St. 15  | St. 16  | St. 17  | St. 18  | St. 19   | St. 20  | 平均     |  |
|---------|---------|----------|---------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|---------|---------|---------|---------|---------|----------|---------|--------|--|
| 緯度24°   | 21' 08" | 20' 50"  | 20' 50"                         | 20' 50" | 27' 30" | 33' 47" | 32' 39" | 29' 57" | 27' 26" | 24' 27" | 25' 05" | 30' 22" | 32' 35"  | 32' 59" | 36' 00" | 38' 02" | 36' 12" | 40' 12" | 28' 12"  | 35' 36" |        |  |
| 経度135°  | 10' 57" | 06' 56"  | 01' 58"                         | 57' 47" | 00' 57" | 03' 31" | 07' 34" | 10' 44" | 13' 50" | 10' 50" | 16' 53" | 16' 50" | 22' 44"  | 19' 23" | 17' 45" | 15' 18" | 22' 55" | 19' 50" | 19' 50"  | 11' 03" |        |  |
| (WG584) |         |          | 134°                            |         |         |         |         |         |         |         |         |         |          |         |         |         |         |         |          |         |        |  |
| 月日      | 09/01   | 09/02    | 09/02                           | 09/02   | 09/02   | 09/02   | 09/02   | 09/02   | 09/01   | 09/01   | 09/01   | 09/01   | 09/01    | 09/01   | 09/01   | 09/01   | 09/01   | 09/01   | 09/01    | 09/01   | 09/02  |  |
| 時分      | 13:44   | 09:27    | 09:49                           | 10:10   | 10:40   | 11:09   | 11:33   | 13:08   | 10:25   | 09:57   | 13:23   | 10:45   | 12:40    | 11:07   | 11:25   | 12:36   | 12:04   | 11:43   | 12:58    | 12:01   |        |  |
| 水       | 0 m     | 26.2     | 26.0                            | 26.1    | 26.3    | 26.2    | 26.6    | 26.5    | 25.9    | 25.9    | 26.2    | 26.1    | 26.2     | 26.0    | 25.8    | 27.0    | 26.0    | 25.7    | 25.9     | 27.0    | 26.2   |  |
|         | 5 m     | 25.88    | 25.90                           | 26.01   | 25.90   | 25.75   | 25.68   | 25.67   | 25.88   | 26.03   | 26.12   | 26.24   | 25.99    | 26.10   | 25.96   | 25.83   | 26.12   | 25.88   | 25.99    | 25.75   | 25.93  |  |
|         | 10 m    | 25.55    | 25.87                           | 25.90   | 25.99   | 25.72   | 25.63   | 25.59   | 25.84   | 25.92   | 25.90   | 25.69   | 25.96    | 25.78   | 25.90   | 25.68   | 25.84   | 25.94   | 25.95    | 25.64   | 25.79  |  |
| 温       | 20 m    |          | 25.42                           | 25.58   | 25.78   | 25.68   | 25.49   | 25.56   | 25.46   |         |         |         |          |         |         |         |         |         |          | 25.27   | 25.53  |  |
|         | 30 m    |          | 25.26                           | 25.42   | 25.62   | 25.37   | 25.44   | 25.53   | 25.12   |         |         |         |          |         |         |         |         |         |          |         | 25.39  |  |
| °C      | 底層      | 25.52    | 25.29                           | 25.22   | 24.86   | 24.55   | 24.74   | 25.50   | 25.00   | 25.55   | 24.96   | 25.65   | 25.69    | 25.96   | 25.74   | 25.57   | 25.57   | 25.60   | 25.93    | 25.27   | 25.40  |  |
|         | 0 m     | 31.09    | 30.84                           | 30.87   | 30.47   | 30.43   | 31.45   | 31.17   | 30.07   | 30.48   | 30.75   | 30.55   | 30.36    | 30.68   | 30.51   | 29.55   | 26.54   | 31.21   | 27.40    | 31.29   | 30.23  |  |
| 塩       | 5 m     | 31.93    | 31.13                           | 30.95   | 30.41   | 30.41   | 31.42   | 31.57   | 30.86   | 31.40   | 30.98   | 31.23   | 30.37    | 31.23   | 30.64   | 29.96   | 28.94   | 31.29   | 29.32    | 31.28   | 30.74  |  |
|         | 10 m    | 32.42    | 31.43                           | 31.44   | 31.10   | 30.96   | 31.64   | 31.62   | 31.53   | 31.44   | 31.50   | 31.69   | 31.42    | 31.42   | 31.68   | 31.26   | 31.08   | 31.31   | 31.22    | 31.42   | 31.42  |  |
| 分       | 20 m    |          | 32.47                           | 32.44   | 31.75   | 31.56   | 31.76   | 31.69   | 31.82   |         |         |         |          |         |         |         |         |         |          | 32.25   | 31.97  |  |
|         | 30 m    |          | 32.58                           | 32.69   | 32.14   | 32.43   | 31.83   | 31.74   | 32.54   |         |         |         |          |         |         |         |         |         |          |         | 32.28  |  |
| psu     | 底層      | 32.47    | 32.68                           | 33.11   | 33.68   | 33.75   | 33.35   | 31.80   | 32.73   | 32.03   | 32.74   | 31.92   | 31.71    | 31.42   | 31.74   | 31.92   | 31.78   | 31.31   | 31.32    | 31.47   | 32.26  |  |
| 海       | 水深      | 13.5     | 44.0                            | 43.0    | 58.0    | 53.0    | 67.5    | 33.5    | 20.5    | 18.5    | 13.5    | 19.5    | 12.5     | 18.0    | 19.0    | 17.5    | 12.5    | 14.0    | 14.0     | 22.0    | 28.5   |  |
|         | 水色      | 2.5GY5/2 | 5G4/4                           | 7.5G4/4 | 7.5G4/4 | 5G4/4   | 5G4/4   | 2.5G4/4 | 10GY4/4 | 10GY5/4 | 10GY4/4 | 10GY4/4 | 2.5GY4/4 | 5GY4/2  | 5GY4/2  | 5GY4/2  | 5GY4/4  | 5GY4/4  | 7.5GY4/2 | 5GY4/4  | 5GY4/4 |  |
| 象       | 透明度     | 2.1      | 5.8                             | 6.5     | 9.0     | 6.3     | 7.8     | 7.4     | 4.9     | 5.0     | 3.9     | 3.8     | 2.0      | 3.7     | 2.4     | 2.9     | 4.9     | 2.9     | 2.9      | 3.8     | 4.6    |  |
|         | 波浪      | 2        | 2                               | 2       | 2       | 2       | 2       | 2       | 2       | 2       | 2       | 2       | 2        | 2       | 2       | 2       | 2       | 2       | 2        | 2       | 2      |  |
| 気       | 天気      | c        | b                               | b       | b       | b       | bc      | bc      | c       | c       | c       | c       | c        | c       | c       | c       | bc      | c       | c        | c       | bc     |  |
|         | 気温°C    | 25.0     | 26.0                            | 26.0    | 26.1    | 25.0    | 26.6    | 27.1    | 27.0    | 23.5    | 24.4    | 23.5    | 24.1     | 23.0    | 24.8    | 27.0    | 24.2    | 24.0    | 26.1     | 26.8    | 25.2   |  |
| 象       | 風向風力    | NE3      | NE3                             | NNE3    | N2      | N1      | 0       | S1      | WNW2    | NE4     | NNE4    | NNE4    | NNW4     | NNE4    | NE4     | W3      | NNE4    | NNE3    | N4       | W2      |        |  |
|         | 雲形雲量    | St 10    | Cu 1                            | Cu 1    | Cu 1    | Cu 1    | Cu 4    | St 5    | St 9    | St 10   | St 10   | St 10   | St 10    | St 10   | St 10   | St 7    | St 10   | St 10   | St 10    | St 5    |        |  |
| 備       | 気圧      | 1010.2   | 1011.91                         | 1011.84 | 1011.83 | 1011.93 | 1011.88 | 1011.56 | 1011.1  | 1010.79 | 1010.2  | 1010.63 | 1010.2   | 1010.47 | 1010.38 | 1011.14 | 1010.2  | 1010.29 | 1010.2   | 1011.2  | 1010.9 |  |
| 考       |         |          | 赤潮                              |         |         |         |         |         |         |         |         |         |          |         |         |         |         |         |          |         |        |  |
|         |         |          | 赤潮優勢占種: <i>Chaetoceros</i> spp. |         |         |         |         |         |         |         |         |         |          |         |         |         |         |         |          |         |        |  |

表3 つづき

2014年10月

| 観測点     | St. 1   | St. 2   | St. 3   | St. 4   | St. 5   | St. 6   | St. 7   | St. 8   | St. 9   | St. 10  | St. 11   | St. 12  | St. 13  | St. 14  | St. 15   | St. 16   | St. 17   | St. 18  | St. 19  | St. 20  | 平均     |  |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|---------|---------|---------|----------|----------|----------|---------|---|---------|--------|--|
| 緯度34°   | 21' 08" | 20' 50" | 20' 50" | 20' 50" | 27' 30" | 33' 47" | 32' 39" | 29' 57" | 27' 26" | 24' 27" | 25' 05"  | 30' 22" | 32' 35" | 32' 59" | 36' 00"  | 38' 02"  | 36' 12"  | 40' 12" | 28' 12"   | 35' 36" |        |  |
| 経度135°  |         |         | 134°    |         |         |         |         |         |         |         |          |         |         |         |          |          |          |         |   |         |        |  |
| (WG584) | 10' 57" | 06' 56" | 01' 58" | 57' 47" | 00' 57" | 03' 31" | 07' 34" | 10' 44" | 13' 50" | 10' 50" | 16' 53"  | 16' 50" | 22' 44" | 19' 23" | 17' 45"  | 15' 18"  | 22' 55"  | 19' 50" | 19' 50"   | 11' 03" |        |  |
| 月日      | 10/01   | 10/02   | 10/02   | 10/02   | 10/02   | 10/01   | 10/01   | 10/01   | 10/01   | 10/01   | 10/01    | 10/01   | 10/01   | 10/01   | 10/01    | 10/01    | 10/01    | 10/01   | 10/01   | 10/01   | 10/01  |  |
| 時分      | 15:21   | 09:25   | 09:47   | 10:10   | 10:41   | 12:40   | 11:54   | 10:17   | 10:00   | 09:41   | 14:59    | 10:40   | 14:17   | 10:59   | 11:16    | 13:20    | 14:00    | 13:40   | 14:35   | 11:36   |        |  |
| 水       | 0 m     | 25.6    | 24.7    | 24.9    | 24.8    | 25.2    | 25.3    | 24.9    | 24.7    | 24.8    | 25.3     | 24.9    | 25.6    | 25.0    | 24.8     | 25.3     | 26.1     | 26.0    | 25.3  | 25.1    | 25.2   |  |
| 温       | 5 m     | 25.19   | 24.79   | 24.93   | 24.85   | 24.96   | 25.00   | 24.93   | 24.71   | 24.85   | 24.89    | 24.70   | 25.03   | 24.67   | 24.53    | 24.42    | 24.71    | 24.92   | 24.99   | 24.94   | 24.85  |  |
| °C      | 10 m    | 25.05   | 24.92   | 25.01   | 24.92   | 24.85   | 24.91   | 24.97   | 24.80   | 24.85   | 24.86    | 24.81   | 24.96   | 24.93   | 24.56    | 24.52    | 24.98    | 24.99   | 24.95   | 24.93   | 24.88  |  |
|         | 20 m    |         | 25.07   | 25.04   | 24.90   | 24.86   | 24.91   | 24.95   |         |         |          |         |         |         |          |          |          |         |   | 24.93   | 24.95  |  |
|         | 30 m    |         | 25.06   | 24.86   | 24.93   | 24.88   | 24.89   | 24.94   |         |         |          |         |         |         |          |          |          |         |   |         | 24.93  |  |
| 底層      | 25.06   | 25.04   | 24.86   | 24.84   | 24.87   | 24.92   | 24.92   | 24.92   | 24.80   | 24.84   | 24.86    | 24.93   | 24.96   | 24.95   | 24.94    | 24.92    | 24.95    | 24.96   | 24.94   | 24.93   | 24.92  |  |
| 0 m     | 32.39   | 32.05   | 32.09   | 32.52   | 32.22   | 32.25   | 32.02   | 32.31   | 32.00   | 32.20   | 31.87    | 31.41   | 31.81   | 30.98   | 30.80    | 30.91    | 30.57    | 28.60   | 32.20   | 32.25   | 31.67  |  |
| 5 m     | 32.75   | 32.07   | 32.47   | 32.64   | 32.21   | 32.20   | 32.01   | 32.28   | 32.00   | 32.21   | 32.16    | 31.47   | 32.14   | 31.43   | 31.05    | 31.21    | 31.27    | 31.42   | 32.22   | 32.24   | 31.97  |  |
| 10 m    | 32.95   | 32.47   | 32.80   | 32.65   | 32.21   | 32.20   | 32.01   | 32.28   | 32.16   | 32.22   | 32.17    | 31.96   | 32.25   | 32.16   | 31.48    | 31.43    | 32.26    | 32.25   | 32.23   | 32.24   | 32.22  |  |
| 20 m    |         | 33.01   | 32.95   | 32.71   | 32.23   | 32.25   | 32.04   | 32.28   |         |         |          |         |         |         |          |          |          |         |   | 32.27   | 32.47  |  |
| 30 m    |         | 33.06   | 33.10   | 32.82   | 32.27   | 32.30   | 32.09   | 32.29   |         |         |          |         |         |         |          |          |          |         |   |         | 32.56  |  |
| psu     | 32.96   | 33.13   | 33.10   | 33.08   | 32.98   | 32.68   | 32.30   | 32.29   | 32.19   | 32.21   | 32.17    | 32.27   | 32.25   | 32.21   | 32.27    | 32.12    | 32.13    | 32.30   | 32.23   | 32.27   | 32.46  |  |
| 海面      | 13.5    | 43.0    | 40.5    | 58.0    | 53.0    | 58.0    | 64.5    | 33.0    | 20.0    | 18.0    | 13.5     | 19.0    | 12.5    | 17.5    | 19.0     | 17.5     | 12.5     | 14.0    | 14.0  | 22.5    | 28.2   |  |
| 透光度     | 10GY5/4 | 10GY4/4 | 10GY4/4 | 10GY4/4 | 2.5G4/4 | 5G4/4   | 5G4/4   | 5G4/4   | 2.5G4/4 | 2.5G5/4 | 7.5GY4/4 | 5GY4/4  | 5GY4/4  | 5GY4/4  | 2.5GY4/4 | 7.5GY4/4 | 2.5GY4/4 | 10Y3/2  | 7.5GY4/4  | 5G4/4   |        |  |
| 波浪      | 2       | 1       | 2       | 2       | 2       | 2       | 2       | 2       | 2       | 2       | 2        | 2       | 2       | 2       | 2        | 2        | 2        | 2       | 2   | 2       | 2      |  |
| 天気      | b       | c       | c       | c       | c       | b       | b       | bc      | c       | c       | b        | bc      | bc      | bc      | bc       | bc       | bc       | bc      | b   | bc      | bc     |  |
| 気温°C    | 26.0    | 22.5    | 23.2    | 23.8    | 25.1    | 25.0    | 23.9    | 25.0    | 23.9    | 23.4    | 25.6     | 23.2    | 26.0    | 25.0    | 25.8     | 25.5     | 26.1     | 25.0    | 25.9  | 23.8    | 24.7   |  |
| 風向風力    | NW 2    | NNE 1   | NNE 2   | SE 1    | E 3     | NNE 2   | SSE 2   | NE 3    | ENE 2   | NE 3    | NW 2     | NE 1    | WNW 3   | NE 2    | E 2      | SW 2     | W 3      | WNW 2   | NW 3  | SE 2    |        |  |
| 雲形雲量    | Cu 1    | St 10   | St 10   | St 10   | St 10   | Cu 1    | Cu 1    | St 5    | Cu 9    | Cu 9    | Cu 1     | Cu 5    | Cu 3    | Cu 4    | Cu 7     | Cu 4     | Cu 3     | Cu 6    | Cu 1  | Cu 4    |        |  |
| 気圧      | 1011.8  | 1011.1  | 1011.1  | 1011.0  | 1010.6  | 1013.3  | 1014.0  | 1014.7  | 1014.7  | 1014.7  | 1011.8   | 1014.7  | 1012.2  | 1014.7  | 1014.5   | 1012.8   | 1012.4   | 1012.6  | 1012.1  | 1014.2  | 1013.0 |  |
| 備考      |         |         |         |         |         |         |         |         |         |         |          |         |         |         |          |          |          | 赤潮      | 赤潮  |         |        |  |
|         |         |         |         |         |         |         |         |         |         |         |          |         |         |         |          |          |          |         | 赤潮優占種: <i>Thalassiosira</i> spp.<br><i>Chaetoceros</i> spp. |         |        |  |

表3 つづき

2014年11月

| 観測点     | St. 1   | St. 2   | St. 3   | St. 4   | St. 5   | St. 6   | St. 7   | St. 8   | St. 9   | St. 10  | St. 11  | St. 12  | St. 13  | St. 14  | St. 15  | St. 16  | St. 17  | St. 18  | St. 19  | St. 20  | 平均     |        |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|
| 緯度34°   | 21' 08" | 20' 50" | 20' 50" | 20' 50" | 27' 30" | 33' 47" | 32' 39" | 29' 57" | 27' 26" | 24' 27" | 25' 05" | 30' 22" | 32' 35" | 32' 59" | 36' 00" | 38' 02" | 36' 12" | 40' 12" | 28' 12" | 35' 36" |        |        |
| 経度135°  |         |         | 134°    |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |        |
| (WG584) | 10' 57" | 06' 56" | 01' 58" | 57' 47" | 00' 57" | 03' 31" | 07' 34" | 10' 44" | 13' 50" | 10' 50" | 16' 53" | 16' 50" | 22' 44" | 19' 23" | 17' 45" | 15' 18" | 22' 55" | 19' 50" | 19' 50" | 11' 03" |        |        |
| 月日      | 11/05   | 11/04   | 11/04   | 11/04   | 11/04   | 11/04   | 11/04   | 11/04   | 11/05   | 11/05   | 11/05   | 11/05   | 11/05   | 11/05   | 11/05   | 11/04   | 11/05   | 11/05   | 11/05   | 11/05   | 11/04  |        |
| 時分      | 13:19   | 09:32   | 09:56   | 10:20   | 10:53   | 11:26   | 13:10   | 13:36   | 09:56   | 09:38   | 12:55   | 10:15   | 11:53   | 10:33   | 10:50   | 12:38   | 11:35   | 11:11   | 12:28   | 11:59   |        |        |
| 水       | 0 m     | 20.6    | 21.1    | 21.6    | 22.2    | 21.4    | 21.4    | 21.4    | 20.8    | 20.8    | 20.7    | 20.8    | 21.2    | 20.6    | 20.1    | 19.9    | 20.8    | 20.2    | 20.7    | 20.7    | 20.9   |        |
|         | 5 m     | 20.53   | 21.94   | 21.82   | 22.45   | 21.50   | 21.63   | 21.56   | 21.10   | 20.96   | 20.72   | 20.95   | 21.14   | 20.75   | 20.26   | 20.79   | 21.15   | 20.62   | 20.72   | 21.01   | 21.16  |        |
|         | 10 m    | 20.11   | 22.02   | 22.01   | 22.47   | 21.52   | 21.60   | 21.57   | 21.25   | 20.92   | 20.70   | 20.95   | 21.27   | 20.86   | 20.74   | 20.85   | 21.18   | 21.31   | 20.70   | 21.37   | 21.25  |        |
| 温       | 20 m    |         | 22.02   | 22.40   | 22.47   | 21.61   | 21.58   | 21.64   | 21.62   |         |         |         |         |         |         |         |         |         |         | 21.54   | 21.86  |        |
|         | 30 m    |         | 22.01   | 22.44   | 22.48   | 21.67   | 21.63   | 21.71   | 21.63   |         |         |         |         |         |         |         |         |         |         |         | 21.94  |        |
| ℃       | 底層      | 19.96   | 22.05   | 22.45   | 22.50   | 22.52   | 21.81   | 22.10   | 21.63   | 21.36   | 20.81   | 20.69   | 20.94   | 21.11   | 21.58   | 21.52   | 21.59   | 21.18   | 21.97   | 20.71   | 21.54  |        |
|         | 0 m     | 31.97   | 32.36   | 32.59   | 33.12   | 32.24   | 32.12   | 32.04   | 32.10   | 31.96   | 32.00   | 31.91   | 31.87   | 31.58   | 31.46   | 30.66   | 30.33   | 29.97   | 29.68   | 31.68   | 31.75  |        |
| 塩       | 5 m     | 31.98   | 32.71   | 32.56   | 33.10   | 32.26   | 32.11   | 32.02   | 32.07   | 32.02   | 31.98   | 31.89   | 31.86   | 31.61   | 31.44   | 30.88   | 31.22   | 31.55   | 30.66   | 31.84   | 31.88  |        |
|         | 10 m    | 32.02   | 32.77   | 32.69   | 33.11   | 32.28   | 32.11   | 32.04   | 32.07   | 32.06   | 31.97   | 31.90   | 31.85   | 31.76   | 31.53   | 31.28   | 31.71   | 31.35   | 31.86   | 32.05   | 31.99  |        |
| 分       | 20 m    |         | 32.78   | 32.97   | 33.11   | 32.33   | 32.15   | 32.10   | 32.09   |         |         |         |         |         |         |         |         |         |         | 32.14   | 32.46  |        |
|         | 30 m    |         | 32.77   | 33.03   | 33.12   | 32.37   | 32.18   | 32.17   | 32.09   |         |         |         |         |         |         |         |         |         |         |         | 32.53  |        |
| psu     | 底層      | 32.01   | 32.83   | 33.03   | 33.13   | 32.87   | 32.32   | 32.48   | 32.10   | 31.95   | 31.91   | 31.86   | 31.76   | 32.02   | 32.02   | 31.89   | 31.71   | 32.08   | 31.86   | 32.14   | 32.20  |        |
|         | 海深m     | 13.5    | 44.0    | 40.5    | 57.5    | 53.0    | 58.0    | 59.5    | 33.5    | 20.0    | 18.5    | 13.0    | 12.0    | 17.5    | 18.5    | 17.5    | 12.0    | 14.0    | 13.5    | 22.0    | 27.9   |        |
|         | 水色      | 5G4/4   | 10G4/4  | 5G4/4   | 7.5G4/4 | 5G4/4   | 5G4/4   | 5G4/4   | 5G4/4   | 10G4/4  | 2.5G4/4 | 2.5G4/4 | 10GY5/4 | 10GY5/4 | 2.5G4/4 | 7.5G4/4 | 10GY5/6 | 7.5G4/4 | 10G4/4  | 10G4/4  | 5G4/4  |        |
| 象       | 透明度     | 3.8     | 6.0     | 8.5     | 8.3     | 8.0     | 7.8     | 7.9     | 5.3     | 7.1     | 3.6     | 3.8     | 3.2     | 5.7     | 4.7     | 5.6     | 4.0     | 3.4     | 3.8     | 8.5     | 5.7    |        |
|         | 波浪      | 1       | 2       | 2       | 2       | 2       | 2       | 2       | 2       | 1       | 1       | 1       | 1       | 1       | 2       | 2       | 1       | 1       | 1       | 1       | 2      |        |
| 気       | 天気      | c       | b       | b       | b       | b       | b       | b       | c       | c       | c       | c       | c       | c       | c       | b       | bc      | c       | c       | c       | b      |        |
|         | 気温℃     | 17.0    | 17.0    | 16.9    | 16.9    | 17.0    | 17.9    | 16.1    | 13.5    | 14.8    | 14.5    | 17.7    | 15.0    | 17.3    | 15.9    | 17.0    | 17.9    | 18.3    | 18.9    | 16.4    | 16.7   |        |
| 象       | 風向風力    | 0       | NNE 3   | NNE 4   | NNE 5   | NNE 3   | E 4     | E 4     | ESE 2   | E 2     | W 1     | ESE 2   | E 2     | E 2     | E 3     | E 3     | ENE 2   | NE 3    | NE 3    | W 2     | NE 3   |        |
|         | 雲形雲量    | Cu 10   | 0       | 0       | 0       | 0       | Cu 1    | Cu 2    | Cu 1    | Cu 10   | Cu 10   | Cu 10   | Cu 10   | Cu 9    | Cu 10   | Cu 1    | Cu 6    | Cu 9    | Cu 9    | Cu 1    | Cu 1   |        |
|         | 気圧      | 1015.8  | 1019.6  | 1019.7  | 1019.7  | 1019.6  | 1019.3  | 1018.1  | 1017.9  | 1018.2  | 1018.4  | 1015.8  | 1018.1  | 1016.5  | 1018.0  | 1017.9  | 1018.5  | 1016.9  | 1017.5  | 1016.1  | 1018.9 | 1018.0 |
| 備       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |        |
| 考       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |        |

表3 つづき

2014年12月

| 観測点                   | St. 1   | St. 2   | St. 3   | St. 4   | St. 5   | St. 6   | St. 7   | St. 8   | St. 9   | St. 10  | St. 11  | St. 12  | St. 13  | St. 14  | St. 15  | St. 16  | St. 17  | St. 18  | St. 19  | St. 20  | 平均     |  |
|-----------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--|
| 緯度 $34^{\circ}$       | 21' 08" | 20' 50" | 20' 50" | 20' 50" | 27' 30" | 33' 47" | 32' 39" | 29' 57" | 27' 26" | 24' 27" | 25' 05" | 30' 22" | 32' 35" | 32' 59" | 36' 00" | 38' 02" | 36' 12" | 40' 12" | 28' 12" | 35' 36" |        |  |
| 経度 $135^{\circ}$      |         |         |         | 134°    |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |  |
| (WG584)               | 10' 57" | 06' 56" | 01' 58" | 57' 47" | 00' 57" | 03' 31" | 07' 34" | 10' 44" | 13' 50" | 10' 50" | 16' 53" | 16' 50" | 22' 44" | 19' 23" | 17' 45" | 15' 18" | 22' 55" | 19' 50" | 19' 50" | 11' 03" |        |  |
| 月 日                   | 12/10   | 12/08   | 12/08   | 12/08   | 12/08   | 12/08   | 12/08   | 12/08   | 12/10   | 12/10   | 12/10   | 12/10   | 12/10   | 12/10   | 12/10   | 12/10   | 12/10   | 12/10   | 12/10   | 12/10   | 12/08  |  |
| 時 分                   | 13:37   | 09:35   | 09:57   | 10:20   | 10:49   | 11:18   | 12:24   | 12:48   | 10:00   | 09:40   | 13:13   | 10:19   | 12:34   | 10:38   | 10:56   | 11:13   | 11:58   | 11:35   | 12:53   | 11:46   |        |  |
| 水                     | Om      | 14.6    | 15.9    | 17.2    | 17.3    | 16.2    | 15.8    | 15.9    | 14.4    | 13.6    | 14.0    | 14.3    | 13.7    | 13.8    | 13.5    | 13.4    | 14.4    | 13.1    | 14.3    | 14.7    | 14.8   |  |
| 温                     | 5 m     | 14.65   | 16.17   | 17.35   | 17.47   | 16.44   | 15.87   | 16.07   | 15.80   | 13.80   | 14.08   | 14.46   | 14.89   | 14.39   | 14.64   | 14.25   | 14.91   | 14.43   | 15.00   | 14.84   | 15.27  |  |
| °C                    | 1.0 m   | 14.35   | 16.18   | 17.35   | 17.46   | 16.50   | 15.86   | 16.00   | 15.80   | 14.19   | 14.27   | 15.77   | 15.01   | 14.92   | 15.54   | 15.67   | 14.96   | 14.70   | 14.99   | 15.12   | 15.53  |  |
|                       | 2.0 m   |         | 16.39   | 17.43   | 16.52   | 16.51   | 15.87   | 15.87   |         |         |         |         |         |         |         |         |         |         |         | 15.20   | 16.41  |  |
|                       | 3.0 m   |         | 16.45   | 17.46   | 16.92   | 16.48   | 15.92   | 15.89   |         |         |         |         |         |         |         |         |         |         |         |         | 16.66  |  |
| 底層                    | 14.21   | 16.49   | 17.46   | 17.48   | 17.59   | 16.48   | 15.94   | 15.89   | 15.59   | 14.79   | 14.26   | 15.82   | 14.99   | 15.58   | 16.01   | 15.96   | 15.10   | 14.82   | 14.90   | 15.23   | 15.73  |  |
| 0 m                   | 31.95   | 32.27   | 32.74   | 32.76   | 32.04   | 32.05   | 31.90   | 31.95   | 31.41   | 31.33   | 31.50   | 31.35   | 30.64   | 30.90   | 29.84   | 29.46   | 30.54   | 27.76   | 31.57   | 31.56   | 31.28  |  |
| 5 m                   | 31.97   | 32.22   | 32.72   | 32.78   | 32.05   | 32.14   | 31.88   | 31.96   | 31.95   | 31.35   | 31.53   | 31.36   | 31.67   | 31.12   | 30.74   | 30.42   | 31.54   | 31.11   | 31.94   | 31.60   | 31.70  |  |
| 1.0 m                 | 32.01   | 32.24   | 32.72   | 32.77   | 32.08   | 32.18   | 31.90   | 31.96   | 31.96   | 31.54   | 31.64   | 31.90   | 31.97   | 31.58   | 31.80   | 31.88   | 31.88   | 31.46   | 31.94   | 31.71   | 31.96  |  |
| 2.0 m                 |         | 32.36   | 32.75   | 32.79   | 32.32   | 32.18   | 31.90   | 31.95   |         |         |         |         |         |         |         |         |         |         |         | 31.74   | 32.25  |  |
| 3.0 m                 |         | 32.39   | 32.77   | 32.78   | 32.47   | 32.17   | 31.94   | 31.96   |         |         |         |         |         |         |         |         |         |         |         |         | 32.35  |  |
| 底層                    | 32.03   | 32.40   | 32.77   | 32.79   | 32.79   | 32.16   | 31.93   | 31.96   | 31.95   | 31.80   | 31.64   | 31.93   | 31.97   | 31.84   | 32.02   | 31.96   | 31.89   | 31.67   | 31.93   | 31.75   | 32.06  |  |
| 海                     | 13.5    | 44.0    | 39.5    | 58.5    | 54.0    | 58.5    | 61.5    | 33.5    | 20.5    | 19.0    | 13.0    | 19.5    | 12.5    | 18.0    | 19.0    | 18.0    | 12.5    | 14.5    | 14.0    | 22.5    | 28.3   |  |
| 透明度                   | 5.6     | 6.9     | 6.2     | 7.2     | 7.1     | 4.9     | 6.1     | 6.9     | 7.1     | 5.0     | 5.5     | 7.1     | 5.9     | 6.9     | 6.4     | 6.0     | 5.8     | 5.9     | 5.5     | 6.3     | 6.2    |  |
| 波浪                    | 2       | 2       | 2       | 2       | 2       | 2       | 2       | 2       | 2       | 2       | 2       | 2       | 2       | 2       | 2       | 2       | 2       | 2       | 2       | 2       | 2      |  |
| 天気                    | b       | b       | b       | b       | b       | bc      | c       | c       | bc      | bc      | b       | bc      | b       | bc      | bc      | bc      | bc      | bc      | bc      | b       | c      |  |
| 気温 $^{\circ}\text{C}$ | 12.0    | 11.0    | 10.1    | 11.1    | 11.0    | 11.4    | 10.7    | 9.1     | 9.8     | 10.0    | 10.9    | 10.1    | 9.2     | 10.6    | 9.0     | 10.1    | 8.7     | 9.1     | 11.1    | 8.5     | 10.2   |  |
| 風向風力                  | N 1     | NE 2    | ENE 3   | ENE 3   | N 2     | NE 3    | NNW 2   | NNE 3   | NE 3    | NE 4    | NNE 2   | NE 4    | NE 3    | E 3     | E 3     | ENE 4   | E 2     | ENE 3   | NNE 3   | NNE 2   |        |  |
| 雲形雲量                  | Ac 1    | Cu 1    | Cu 1    | Cu 1    | Cu 1    | Ac 7    | Cu 8    | Ac 8    | Ac 3    | Ac 3    | Ci 1    | Ac 4    | Ci 1    | Ac 4    | Ac 5    | Ac 6    | Ac 3    | Ac 5    | Ac 5    | Ci 1    | As 8   |  |
| 気圧                    | 1019.9  | 1021.5  | 1021.6  | 1021.4  | 1021.2  | 1021.0  | 1020.7  | 1020.4  | 1024.9  | 1025.0  | 1019.9  | 1024.5  | 1020.4  | 1024.1  | 1023.8  | 1023.1  | 1021.2  | 1022.2  | 1020.0  | 1020.9  | 1021.9 |  |
| 備考                    |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |  |

表 4 浅海定線調査特殊項目測定結果

2014年1月31日, 2月1日

| 項目     |   | 水温    | 塩分    | 溶存<br>酸素 | 酸素<br>飽和度 | pH   | COD  | NH <sub>4</sub> -N | NO <sub>2</sub> -N | NO <sub>3</sub> -N | PO <sub>4</sub> -P | Total-P | Chl.-a | Phae.-a |
|--------|---|-------|-------|----------|-----------|------|------|--------------------|--------------------|--------------------|--------------------|---------|--------|---------|
| St.No. |   | °C    |       | ml/l     | %         |      | ppm  | μ M                | μ M                | μ M                | μ M                | μ M     | μ g/l  | μ g/l   |
| 1      | 表 | 11.7  | 31.90 | 6.35     | 102.3     | 8.34 | 0.85 | 1.30               | 0.44               | 2.13               | 0.29               | 0.86    | 1.84   | 0.69    |
|        | 底 | 11.04 | 32.23 | 5.83     | 92.7      | 8.29 |      | 1.41               | 0.54               | 3.20               | 0.42               | 0.87    |        |         |
| 2      | 表 | 10.7  | 31.64 | 6.66     | 104.7     | 8.33 | 0.78 | 1.23               | 0.48               | 2.46               | 0.24               | 0.63    | 2.57   | 0.83    |
|        | 底 | 11.74 | 32.83 | 5.93     | 96.1      | 8.27 |      | 1.52               | 0.71               | 4.28               | 0.49               | 1.17    |        |         |
| 3      | 表 | 11.8  | 32.75 | 6.04     | 98.1      | 8.28 | 0.35 | 1.47               | 0.67               | 3.94               | 0.47               | 0.76    | 0.37   | 0.23    |
|        | 底 | 11.64 | 32.84 | 5.79     | 93.7      | 8.28 |      | 1.44               | 0.66               | 3.99               | 0.47               | 0.98    |        |         |
| 4      | 表 | 11.5  | 32.62 | 5.90     | 95.0      | 8.30 | 0.51 | 1.51               | 0.64               | 3.71               | 0.44               | 0.75    | 0.35   | 0.31    |
|        | 底 | 11.50 | 32.74 | 5.73     | 92.4      | 8.29 |      | 1.43               | 0.64               | 3.90               | 0.46               | 0.82    |        |         |
| 5      | 表 | 10.4  | 31.93 | 6.29     | 98.4      | 8.30 | 0.67 | 2.07               | 0.45               | 2.65               | 0.42               | 0.68    | 1.01   | 0.51    |
|        | 底 | 11.16 | 32.51 | 5.82     | 93.0      | 8.29 |      | 1.62               | 0.57               | 3.53               | 0.46               | 1.07    |        |         |
| 6      | 表 | 10.5  | 32.01 | 6.14     | 96.4      | 8.29 | 0.54 | 1.37               | 0.45               | 2.57               | 0.41               | 0.82    | 0.76   | 0.47    |
|        | 底 | 10.63 | 32.20 | 6.02     | 95.0      | 8.29 |      | 1.63               | 0.47               | 3.04               | 0.43               | 0.87    |        |         |
| 7      | 表 | 10.5  | 32.07 | 6.08     | 95.5      | 8.25 | 0.29 | 1.32               | 0.45               | 2.69               | 0.40               | 0.73    | 0.55   | 0.38    |
|        | 底 | 10.51 | 32.14 | 5.97     | 93.9      | 8.26 |      | 1.71               | 0.46               | 3.03               | 0.44               | 0.87    |        |         |
| 8      | 表 | 10.4  | 32.05 | 6.06     | 95.0      | 8.28 | 0.32 | 1.42               | 0.47               | 2.65               | 0.40               | 0.79    | 0.68   | 0.41    |
|        | 底 | 10.42 | 32.12 | 6.04     | 94.7      | 8.29 |      | 1.76               | 0.43               | 2.88               | 0.44               | 0.72    |        |         |
| 9      | 表 | 10.3  | 31.97 | 6.06     | 94.7      | 8.36 | 0.40 | 1.38               | 0.46               | 2.80               | 0.36               | 0.66    | 1.20   | 0.48    |
|        | 底 | 10.44 | 32.10 | 5.89     | 92.5      | 8.37 |      | 1.60               | 0.45               | 3.03               | 0.42               | 0.75    |        |         |
| 10     | 表 | 10.3  | 31.65 | 6.06     | 94.5      | 8.23 | 0.46 | 1.00               | 0.46               | 2.23               | 0.22               | 0.67    | 5.18   | 1.57    |
|        | 底 | 10.37 | 31.98 | 5.98     | 93.6      | 8.35 |      | 1.71               | 0.44               | 2.79               | 0.41               | 0.95    |        |         |
| 11     | 表 | 11.3  | 31.67 | 6.95     | 110.9     | 8.32 | 0.50 | 0.96               | 0.49               | 2.67               | 0.22               | 0.77    | 3.31   | 1.06    |
|        | 底 | 10.53 | 31.92 | 5.59     | 87.8      | 8.27 |      | 2.41               | 0.47               | 2.94               | 0.45               | 0.92    |        |         |
| 12     | 表 | 10.0  | 31.13 | 6.73     | 103.9     | 8.46 | 0.88 | 0.81               | 0.58               | 3.04               | 0.07               | 0.67    | 5.97   | 2.40    |
|        | 底 | 10.33 | 32.06 | 5.78     | 90.5      | 8.31 |      | 1.68               | 0.41               | 2.79               | 0.44               | 1.08    |        |         |
| 13     | 表 | 11.2  | 30.74 | 6.90     | 109.2     | 8.38 | 1.12 | 3.91               | 0.82               | 7.41               | 0.19               | 1.04    | 5.69   | 2.53    |
|        | 底 | 10.65 | 32.02 | 5.39     | 84.9      | 8.26 |      | 2.72               | 0.50               | 3.32               | 0.50               | 0.87    |        |         |
| 14     | 表 | 10.2  | 30.79 | 6.89     | 106.7     | 8.45 | 1.09 | 1.02               | 0.74               | 4.76               | 0.05               | 0.79    | 8.16   | 3.17    |
|        | 底 | 10.47 | 32.08 | 5.87     | 92.2      | 8.33 |      | 1.72               | 0.45               | 2.91               | 0.42               | 0.77    |        |         |
| 15     | 表 | 10.4  | 27.83 | 6.50     | 99.2      | 8.38 | 1.12 | 7.66               | 1.72               | 21.37              | 0.56               | 1.47    | 6.11   | 2.31    |
|        | 底 | 10.45 | 32.09 | 5.82     | 91.4      | 8.34 |      | 1.74               | 0.44               | 2.92               | 0.42               | 0.78    |        |         |
| 16     | 表 | 10.3  | 28.07 | 6.88     | 104.9     | 8.42 | 1.23 | 5.01               | 1.61               | 17.82              | 0.32               | 1.27    | 8.60   | 2.88    |
|        | 底 | 10.35 | 32.00 | 5.72     | 89.5      | 8.33 |      | 2.06               | 0.46               | 3.00               | 0.46               | 0.81    |        |         |
| 17     | 表 | 11.1  | 29.81 | 6.66     | 104.6     | 8.37 | 1.12 | 6.24               | 1.18               | 12.14              | 0.31               | 1.02    | 7.02   | 2.78    |
|        | 底 | 10.70 | 31.99 | 5.34     | 84.2      | 8.25 |      | 3.09               | 0.49               | 3.29               | 0.53               | 0.96    |        |         |
| 18     | 表 | 11.3  | 25.79 | 6.51     | 100.0     | 8.32 | 1.17 | 10.87              | 2.19               | 28.57              | 0.87               | 1.73    | 4.48   | 1.80    |
|        | 底 | 10.61 | 31.97 | 5.26     | 82.7      | 8.23 |      | 3.43               | 0.51               | 3.33               | 0.58               | 0.96    |        |         |
| 19     | 表 | 11.2  | 31.58 | 6.38     | 101.4     | 8.34 | 0.67 | 0.93               | 0.52               | 3.39               | 0.18               | 0.74    | 3.65   | 1.15    |
|        | 底 | 10.64 | 32.00 | 5.43     | 85.5      | 8.29 |      | 2.86               | 0.48               | 2.95               | 0.56               | 0.97    |        |         |
| 20     | 表 | 10.5  | 31.95 | 5.99     | 94.0      | 8.36 | 0.37 | 1.66               | 0.44               | 2.75               | 0.38               | 0.88    | 0.85   | 0.39    |
|        | 底 | 10.31 | 32.04 | 5.87     | 91.9      | 8.35 |      | 1.93               | 0.42               | 2.78               | 0.45               | 0.79    |        |         |
| 平均     | 表 | 10.8  | 31.00 | 6.40     | 100.5     | 8.34 | 0.72 | 2.66               | 0.76               | 6.59               | 0.34               | 0.89    | 3.42   | 1.32    |
|        | 底 | 10.72 | 32.19 | 5.75     | 90.9      | 8.30 |      | 1.97               | 0.50               | 3.20               | 0.46               | 0.90    |        |         |

表4 つづき

2014年5月13, 15日

| 項目     |   | 水温    | 塩分    | 溶存<br>酸素 | 酸素<br>飽和度 | pH   | COD  | NH <sub>4</sub> -N | NO <sub>2</sub> -N | NO <sub>3</sub> -N | PO <sub>4</sub> -P | Total-P | Chl.-a | Phae.-a |
|--------|---|-------|-------|----------|-----------|------|------|--------------------|--------------------|--------------------|--------------------|---------|--------|---------|
| St.No. |   | °C    |       | ml/l     | %         |      | ppm  | μ M                | μ M                | μ M                | μ M                | μ M     | μ g/l  | μ g/l   |
| 1      | 表 | 18.1  | 31.65 | 5.29     | 96.9      | 8.28 | 1.09 | 0.14               | 0.01               | 0.15               | 0.05               | 0.53    | 1.97   | 0.70    |
|        | 底 | 15.62 | 32.54 | 4.91     | 86.1      | 8.24 |      | 0.58               | 0.11               | 0.33               | 0.26               | 0.90    |        |         |
| 2      | 表 | 16.9  | 32.30 | 5.40     | 97.0      | 8.21 | 0.95 | 0.44               | 0.19               | 0.27               | 0.14               | 0.54    | 1.63   | 0.64    |
|        | 底 | 16.64 | 33.16 | 5.05     | 90.7      | 8.15 |      | 0.51               | 0.36               | 0.68               | 0.20               | 0.47    |        |         |
| 3      | 表 | 16.5  | 32.37 | 5.41     | 96.4      | 8.18 | 0.88 | 0.21               | 0.07               | 0.18               | 0.13               | 0.62    | 1.81   | 0.58    |
|        | 底 | 16.51 | 33.19 | 5.00     | 89.6      | 8.16 |      | 0.35               | 0.51               | 0.91               | 0.21               | 0.52    |        |         |
| 4      | 表 | 16.2  | 31.12 | 5.87     | 103.2     | 8.20 | 0.98 | 0.20               | 0.03               | 0.14               | 0.08               | 0.53    | 1.48   | 0.49    |
|        | 底 | 16.46 | 33.17 | 5.00     | 89.5      | 8.16 |      | 0.39               | 0.54               | 0.98               | 0.22               | 0.52    |        |         |
| 5      | 表 | 16.5  | 32.89 | 5.54     | 99.1      | 8.21 | 1.11 | 0.12               | 0.02               | 0.14               | 0.07               | 0.50    | 1.41   | 0.48    |
|        | 底 | 16.37 | 33.14 | 5.06     | 90.4      | 8.17 |      | 0.55               | 0.49               | 0.97               | 0.23               | 0.60    |        |         |
| 6      | 表 | 15.8  | 32.34 | 5.34     | 93.9      | 8.17 | 0.57 | 0.85               | 0.24               | 0.59               | 0.21               | 0.51    | 1.26   | 0.41    |
|        | 底 | 15.77 | 32.92 | 4.92     | 86.8      | 8.17 |      | 1.23               | 0.59               | 0.92               | 0.32               | 0.66    |        |         |
| 7      | 表 | 15.8  | 32.37 | 5.27     | 92.6      | 8.17 | 0.65 | 0.80               | 0.25               | 0.67               | 0.20               | 0.51    | 1.13   | 0.45    |
|        | 底 | 15.52 | 32.50 | 5.09     | 89.0      | 8.18 |      | 1.24               | 0.32               | 0.73               | 0.28               | 0.78    |        |         |
| 8      | 表 | 16.1  | 31.99 | 5.72     | 100.9     | 8.22 | 0.98 | 0.16               | 0.08               | 0.22               | 0.11               | 0.55    | 1.60   | 0.43    |
|        | 底 | 15.50 | 32.36 | 5.24     | 91.6      | 8.17 |      | 0.95               | 0.25               | 0.84               | 0.23               | 0.71    |        |         |
| 9      | 表 | 18.0  | 30.67 | 5.53     | 100.6     | 8.38 | 1.80 | 0.08               | 0.03               | 0.12               | 0.01               | 0.47    | 1.95   | 1.58    |
|        | 底 | 14.94 | 32.11 | 3.96     | 68.3      | 8.10 |      | 2.53               | 0.23               | 0.58               | 0.39               | 1.07    |        |         |
| 10     | 表 | 16.9  | 31.76 | 5.45     | 97.5      | 8.25 | 1.06 | 0.15               | 0.03               | 0.11               | 0.04               | 0.41    | 1.40   | 0.61    |
|        | 底 | 15.66 | 32.54 | 5.01     | 87.9      | 8.16 |      | 0.79               | 0.17               | 0.40               | 0.24               | 0.77    |        |         |
| 11     | 表 | 18.7  | 31.05 | 6.04     | 111.4     | 8.41 | 1.78 | 0.04               | 0.00               | 0.11               | 0.01               | 0.46    | 1.85   | 1.20    |
|        | 底 | 14.98 | 32.07 | 4.59     | 79.3      | 8.22 |      | 0.19               | 0.02               | 0.19               | 0.12               | 0.80    |        |         |
| 12     | 表 | 17.3  | 30.08 | 6.19     | 110.5     | 8.49 | 2.45 | 0.04               | 0.02               | 0.10               | 0.01               | 0.59    | 2.76   | 3.16    |
|        | 底 | 14.41 | 32.28 | 3.63     | 62.1      | 8.08 |      | 4.19               | 0.39               | 0.71               | 0.53               | 1.26    |        |         |
| 13     | 表 | 17.8  | 30.50 | 6.45     | 116.6     | 8.48 | 2.55 | 0.30               | 0.09               | 0.36               | 0.01               | 0.75    | 5.01   | 4.34    |
|        | 底 | 14.29 | 32.23 | 3.78     | 64.4      | 8.14 |      | 4.62               | 0.35               | 0.67               | 0.55               | 1.11    |        |         |
| 14     | 表 | 17.3  | 30.13 | 6.26     | 111.8     | 8.48 | 2.32 | 0.05               | 0.03               | 0.13               | 0.01               | 0.63    | 4.06   | 4.30    |
|        | 底 | 14.73 | 32.33 | 4.46     | 76.8      | 8.19 |      | 2.49               | 0.36               | 0.76               | 0.39               | 0.91    |        |         |
| 15     | 表 | 17.0  | 30.71 | 6.01     | 107.1     | 8.46 | 1.91 | 0.00               | 0.01               | 0.05               | 0.01               | 0.62    | 2.95   | 2.66    |
|        | 底 | 14.85 | 32.34 | 4.72     | 81.4      | 8.22 |      | 2.06               | 0.36               | 0.82               | 0.34               | 0.81    |        |         |
| 16     | 表 | 17.1  | 30.96 | 5.60     | 100.2     | 8.42 | 1.60 | 0.01               | 0.01               | 0.07               | 0.01               | 0.61    | 2.68   | 1.70    |
|        | 底 | 14.19 | 32.20 | 3.69     | 62.8      | 8.13 |      | 6.17               | 0.60               | 1.21               | 0.76               | 1.33    |        |         |
| 17     | 表 | 17.8  | 29.46 | 6.79     | 121.9     | 8.46 | 2.74 | 0.20               | 0.26               | 1.14               | 0.02               | 1.10    | 8.25   | 5.75    |
|        | 底 | 14.16 | 32.23 | 3.07     | 52.1      | 8.05 |      | 8.42               | 0.53               | 1.01               | 1.10               | 2.17    |        |         |
| 18     | 表 | 17.3  | 29.21 | 6.79     | 120.6     | 8.53 | 2.91 | 0.13               | 0.21               | 0.67               | 0.00               | 0.82    | 6.33   | 4.78    |
|        | 底 | 14.00 | 32.26 | 3.11     | 52.7      | 8.07 |      | 7.59               | 0.66               | 1.16               | 0.95               | 1.69    |        |         |
| 19     | 表 | 18.1  | 30.67 | 6.14     | 111.8     | 8.46 | 1.78 | 0.08               | 0.01               | 0.05               | 0.01               | 0.48    | 2.16   | 1.91    |
|        | 底 | 14.05 | 32.22 | 3.32     | 56.3      | 8.11 |      | 0.86               | 0.06               | 0.18               | 0.31               | 1.21    |        |         |
| 20     | 表 | 16.6  | 31.62 | 5.31     | 94.5      | 8.36 | 1.19 | 0.11               | 0.01               | 0.06               | 0.03               | 0.50    | 2.00   | 0.94    |
|        | 底 | 15.05 | 32.36 | 4.75     | 82.2      | 8.25 |      | 1.43               | 0.33               | 0.63               | 0.29               | 0.67    |        |         |
| 平均     | 表 | 17.1  | 31.19 | 5.82     | 104.2     | 8.34 | 1.57 | 0.21               | 0.08               | 0.27               | 0.06               | 0.59    | 2.68   | 1.86    |
|        | 底 | 15.19 | 32.51 | 4.42     | 77.0      | 8.16 |      | 2.36               | 0.36               | 0.73               | 0.40               | 0.95    |        |         |



表4 つづき

2014年8月11, 12日

| 項目     |   | 水温    | 塩分    | 溶存<br>酸素 | 酸素<br>飽和度 | pH   | COD  | NH <sub>4</sub> -N | NO <sub>2</sub> -N | NO <sub>3</sub> -N | PO <sub>4</sub> -P | Total-P | Chl.-a | Phae.-a |
|--------|---|-------|-------|----------|-----------|------|------|--------------------|--------------------|--------------------|--------------------|---------|--------|---------|
| St.No. |   | °C    |       | ml/l     | %         |      | ppm  | μM                 | μM                 | μM                 | μM                 | μM      | μg/l   | μg/l    |
| 1      | 表 | 26.1  | 30.07 | 4.39     | 92.0      | 8.20 | 1.66 | 0.84               | 1.14               | 3.46               | 0.48               | 0.88    | 1.27   | 0.52    |
|        | 底 | 25.12 | 31.42 | 4.05     | 84.2      | 8.20 |      | 0.89               | 1.72               | 1.98               | 0.50               | 0.95    |        |         |
| 2      | 表 | 25.4  | 31.30 | -        | -         | 8.10 | 1.36 | 0.45               | 1.59               | 2.75               | 0.43               | 0.72    | 0.58   | 0.34    |
|        | 底 | 25.06 | 31.73 | 3.88     | 80.7      | 8.07 |      | 0.57               | 2.06               | 2.07               | 0.49               | 0.95    |        |         |
| 3      | 表 | 25.6  | 29.02 | 4.46     | 92.2      | 8.16 | 1.13 | 0.40               | 1.18               | 6.08               | 0.41               | 0.76    | 0.59   | 0.33    |
|        | 底 | 25.02 | 32.12 | 3.56     | 74.2      | 8.15 |      | 0.09               | 1.73               | 2.01               | 0.40               | 0.75    |        |         |
| 4      | 表 | 25.6  | 30.84 | 4.32     | 90.2      | 8.17 | 1.43 | 0.55               | 1.44               | 3.01               | 0.43               | 0.72    | 0.80   | 0.35    |
|        | 底 | 25.01 | 32.25 | 3.91     | 81.5      | 8.18 |      | 0.06               | 1.53               | 1.91               | 0.38               | 0.76    |        |         |
| 5      | 表 | 25.8  | 28.66 | 4.30     | 89.0      | 8.17 | 1.49 | 1.67               | 1.58               | 2.79               | 0.60               | 0.99    | 3.17   | 0.68    |
|        | 底 | 24.75 | 32.08 | 3.63     | 75.2      | 8.16 |      | 1.03               | 2.29               | 2.13               | 0.58               | 1.05    |        |         |
| 6      | 表 | 26.2  | 28.48 | 4.22     | 87.7      | 8.18 | 1.45 | 3.23               | 1.38               | 6.37               | 0.76               | 1.20    | 2.99   | 0.59    |
|        | 底 | 25.09 | 31.67 | 3.76     | 78.2      | 8.18 |      | 1.49               | 1.99               | 1.84               | 0.60               | 0.98    |        |         |
| 7      | 表 | 25.8  | 26.91 | 4.12     | 84.4      | 8.17 | 1.79 | 4.71               | 1.37               | 8.95               | 0.91               | 1.31    | 1.62   | 0.29    |
|        | 底 | 25.16 | 31.44 | 3.65     | 75.9      | 8.18 |      | 1.79               | 2.01               | 1.91               | 0.62               | 2.49    |        |         |
| 8      | 表 | 26.2  | 29.88 | 3.91     | 82.0      | 8.15 | 0.92 | 2.45               | 1.47               | 4.12               | 0.65               | 0.99    | 1.23   | 0.40    |
|        | 底 | 25.14 | 31.61 | 3.70     | 76.9      | 8.17 |      | 1.74               | 1.99               | 1.64               | 0.59               | 1.09    |        |         |
| 9      | 表 | 25.8  | 28.84 | 4.26     | 88.2      | 8.11 | 2.02 | 5.88               | 0.93               | 5.11               | 1.02               | 1.60    | 1.81   | 0.64    |
|        | 底 | 25.18 | 32.06 | 3.63     | 75.8      | 8.07 |      | 2.85               | 1.94               | 1.19               | 0.70               | 1.41    |        |         |
| 10     | 表 | 25.8  | 31.40 | 4.22     | 88.7      | 8.10 | 1.63 | 0.92               | 1.45               | 1.57               | 0.47               | 0.79    | 0.70   | 0.37    |
|        | 底 | 24.99 | 32.11 | 3.67     | 76.3      | 8.07 |      | 2.23               | 2.14               | 1.37               | 0.65               | 1.20    |        |         |
| 11     | 表 | 26.2  | 27.37 | 4.13     | 85.3      | 8.16 | 1.86 | 5.10               | 1.30               | 8.64               | 0.91               | 1.45    | 2.22   | 0.70    |
|        | 底 | 25.16 | 31.83 | 3.61     | 75.2      | 8.14 |      | 2.88               | 2.18               | 1.55               | 0.72               | 1.40    |        |         |
| 12     | 表 | 25.4  | 12.27 | 4.28     | 80.2      | 7.95 | 2.87 | 9.97               | 0.72               | 32.26              | 1.60               | 2.80    | 1.07   | 0.69    |
|        | 底 | 25.24 | 32.05 | 3.44     | 71.8      | 8.06 |      | 3.25               | 1.85               | 0.94               | 0.68               | 1.13    |        |         |
| 13     | 表 | 27.0  | 22.09 | 4.25     | 86.6      | 8.07 | 2.05 | 10.70              | 0.91               | 19.52              | 1.64               | 2.35    | 1.52   | 0.62    |
|        | 底 | 25.22 | 31.85 | 2.50     | 52.2      | 8.04 |      | 8.08               | 1.36               | 1.03               | 1.04               | 1.64    |        |         |
| 14     | 表 | 26.3  | 15.63 | 4.06     | 78.7      | 7.98 | 2.04 | 10.38              | 0.75               | 28.56              | 1.54               | 2.57    | 0.81   | 0.54    |
|        | 底 | 25.31 | 32.07 | 3.10     | 64.9      | 8.03 |      | 4.96               | 1.61               | 0.95               | 0.67               | 1.42    |        |         |
| 15     | 表 | 25.9  | 6.39  | 4.08     | 74.6      | 7.66 | 3.73 | 9.56               | 0.61               | 46.03              | 1.35               | 5.14    | 0.69   | 0.96    |
|        | 底 | 25.36 | 31.79 | 2.72     | 56.9      | 8.05 |      | 5.27               | 1.63               | 1.18               | 0.56               | 1.58    |        |         |
| 16     | 表 | 26.4  | 5.45  | 4.24     | 77.8      | 7.73 | 2.73 | 11.77              | 0.74               | 42.10              | 1.44               | 3.77    | 1.13   | 0.84    |
|        | 底 | 25.33 | 31.59 | 2.07     | 43.2      | 8.03 |      | 10.04              | 1.17               | 0.98               | 1.04               | 2.31    |        |         |
| 17     | 表 | 26.7  | 13.91 | 3.69     | 71.4      | 7.89 | 2.87 | 13.45              | 1.34               | 49.57              | 3.89               | 5.53    | 1.71   | 1.13    |
|        | 底 | 25.31 | 31.54 | 1.70     | 35.4      | 7.94 |      | 15.22              | 0.90               | 1.52               | 1.66               | 3.12    |        |         |
| 18     | 表 | 24.8  | 5.05  | 4.19     | 74.4      | 7.68 | 2.97 | 11.77              | 0.78               | 42.01              | 1.53               | 3.98    | 0.57   | 0.74    |
|        | 底 | 25.31 | 31.15 | 1.89     | 39.3      | 7.98 |      | 11.85              | 1.05               | 1.68               | 1.07               | 3.29    |        |         |
| 19     | 表 | 26.6  | 23.27 | 4.41     | 89.8      | 8.13 | 1.99 | 7.98               | 0.97               | 17.33              | 1.37               | 2.00    | 2.37   | 0.68    |
|        | 底 | 25.24 | 31.89 | 2.88     | 60.1      | 8.09 |      | 6.02               | 1.63               | 1.29               | 0.89               | 1.50    |        |         |
| 20     | 表 | 26.1  | 8.14  | 3.94     | 73.0      | 7.80 | 2.33 | 12.29              | 0.76               | 37.45              | 1.57               | 2.90    | 0.69   | 0.49    |
|        | 底 | 25.09 | 31.87 | 3.61     | 75.2      | 8.14 |      | 1.85               | 1.52               | 1.28               | 0.57               | 1.06    |        |         |
| 平均     | 表 | 26.0  | 21.75 | 4.18     | 83.5      | 8.03 | 2.02 | 6.20               | 1.12               | 18.38              | 1.15               | 2.12    | 1.38   | 0.60    |
|        | 底 | 25.15 | 31.81 | 3.25     | 67.7      | 8.10 |      | 4.11               | 1.72               | 1.52               | 0.72               | 1.50    |        |         |

表4 つづき

2014年11月4, 5日

| 項目     |   | 水温    | 塩分    | 溶存<br>酸素 | 酸素<br>飽和度 | pH   | COD  | NH <sub>4</sub> -N | NO <sub>2</sub> -N | NO <sub>3</sub> -N | PO <sub>4</sub> -P | Total-P | Chl.-a | Phae.-a |
|--------|---|-------|-------|----------|-----------|------|------|--------------------|--------------------|--------------------|--------------------|---------|--------|---------|
| St.No. |   | °C    |       | ml/l     | %         |      | ppm  | μ M                | μ M                | μ M                | μ M                | μ M     | μ g/l  | μ g/l   |
| 1      | 表 | 20.6  | 31.97 | 4.23     | 81.4      | 8.24 | 0.65 | 1.50               | 1.71               | 2.66               | 0.53               | 1.01    | 1.85   | 1.15    |
|        | 底 | 19.96 | 32.01 | 4.59     | 87.3      | 8.18 |      | 2.31               | 1.65               | 4.09               | 0.64               | 1.19    |        |         |
| 2      | 表 | 21.1  | 32.36 | 4.40     | 85.6      | 8.23 | 0.60 | 1.90               | 1.74               | 2.80               | 0.54               | 0.91    | 0.76   | 0.63    |
|        | 底 | 22.05 | 32.83 | 4.58     | 90.9      | 8.25 |      | 0.65               | 1.73               | 2.43               | 0.42               | 0.78    |        |         |
| 3      | 表 | 21.6  | 32.59 | 4.68     | 91.9      | 8.32 | 0.55 | 1.07               | 1.81               | 2.45               | 0.47               | 0.72    | 0.48   | 0.43    |
|        | 底 | 22.45 | 33.03 | 4.47     | 89.4      | 8.36 |      | 0.25               | 1.46               | 1.81               | 0.33               | 0.68    |        |         |
| 4      | 表 | 22.2  | 33.12 | 4.48     | 89.2      | 8.30 | 0.59 | 0.51               | 1.34               | 1.70               | 0.32               | 0.58    | 0.46   | 0.41    |
|        | 底 | 22.50 | 33.13 | 4.58     | 91.8      | 8.31 |      | 0.44               | 1.32               | 1.60               | 0.31               | 0.57    |        |         |
| 5      | 表 | 21.4  | 32.24 | 4.69     | 91.6      | 8.33 | 0.62 | 1.22               | 1.90               | 2.67               | 0.52               | 0.76    | 0.75   | 0.52    |
|        | 底 | 22.52 | 32.87 | 4.41     | 88.2      | 8.31 |      | 0.13               | 1.70               | 2.12               | 0.37               | 0.69    |        |         |
| 6      | 表 | 21.6  | 32.12 | 4.62     | 90.6      | 8.24 | 0.47 | 0.89               | 1.90               | 2.89               | 0.54               | 0.79    | 0.51   | 0.45    |
|        | 底 | 21.81 | 32.32 | 4.47     | 88.0      | 8.25 |      | 0.20               | 1.96               | 2.70               | 0.46               | 0.84    |        |         |
| 7      | 表 | 21.4  | 32.04 | 4.53     | 88.5      | 8.24 | 0.62 | 1.05               | 1.80               | 2.88               | 0.54               | 0.84    | 0.57   | 0.49    |
|        | 底 | 22.10 | 32.48 | 4.37     | 86.5      | 8.33 |      | 0.14               | 1.95               | 2.61               | 0.45               | 1.19    |        |         |
| 8      | 表 | 21.4  | 32.10 | 4.59     | 89.7      | 8.33 | 0.63 | 1.09               | 1.86               | 2.89               | 0.54               | 0.85    | 0.61   | 0.56    |
|        | 底 | 21.63 | 32.10 | 4.49     | 88.0      | 8.31 |      | 0.35               | 1.94               | 2.84               | 0.50               | 1.06    |        |         |
| 9      | 表 | 20.8  | 31.96 | 4.74     | 91.5      | 8.23 | 0.52 | 1.12               | 2.01               | 3.05               | 0.53               | 0.84    | 0.76   | 0.67    |
|        | 底 | 21.36 | 32.10 | 4.47     | 87.3      | 8.20 |      | 0.20               | 2.27               | 2.97               | 0.52               | 0.80    |        |         |
| 10     | 表 | 20.8  | 32.00 | 4.86     | 93.8      | 8.20 | 0.76 | 1.70               | 1.94               | 2.96               | 0.56               | 0.93    | 0.89   | 0.74    |
|        | 底 | 20.81 | 31.95 | 4.65     | 89.8      | 8.19 |      | 1.14               | 1.82               | 2.86               | 0.52               | 0.87    |        |         |
| 11     | 表 | 20.7  | 31.91 | 4.67     | 90.0      | 8.23 | 0.65 | 2.58               | 1.55               | 2.32               | 0.49               | 0.91    | 1.07   | 0.78    |
|        | 底 | 20.69 | 31.91 | 4.56     | 87.9      | 8.23 |      | 1.57               | 1.62               | 2.48               | 0.45               | 0.88    |        |         |
| 12     | 表 | 20.8  | 31.87 | 4.69     | 90.5      | 8.23 | 0.52 | 0.86               | 1.95               | 3.07               | 0.50               | 0.78    | 0.82   | 0.75    |
|        | 底 | 20.94 | 31.86 | 4.54     | 87.8      | 8.23 |      | 0.96               | 1.98               | 3.10               | 0.51               | 0.90    |        |         |
| 13     | 表 | 21.2  | 31.58 | 4.34     | 84.1      | 8.17 | 0.76 | 4.91               | 2.47               | 5.24               | 0.68               | 1.21    | 2.68   | 1.07    |
|        | 底 | 21.11 | 31.76 | 3.95     | 76.6      | 8.17 |      | 3.64               | 1.83               | 3.33               | 0.60               | 1.30    |        |         |
| 14     | 表 | 20.6  | 31.46 | 4.58     | 87.7      | 8.22 | 0.98 | 2.94               | 1.95               | 4.46               | 0.57               | 0.95    | 1.90   | 0.94    |
|        | 底 | 21.58 | 32.02 | 4.01     | 78.5      | 8.19 |      | 2.14               | 2.33               | 3.01               | 0.63               | 1.13    |        |         |
| 15     | 表 | 20.1  | 30.66 | 5.00     | 94.5      | 8.26 | 0.91 | 1.22               | 1.83               | 7.70               | 0.51               | 1.10    | 4.18   | 1.74    |
|        | 底 | 21.52 | 32.02 | 4.24     | 83.0      | 8.21 |      | 1.01               | 2.22               | 3.45               | 0.54               | 0.94    |        |         |
| 16     | 表 | 19.9  | 30.33 | 4.86     | 91.4      | 8.25 | 0.94 | 4.87               | 2.01               | 10.58              | 0.89               | 1.35    | 1.38   | 0.70    |
|        | 底 | 21.59 | 31.89 | 4.12     | 80.6      | 8.22 |      | 3.11               | 1.73               | 3.96               | 0.65               | 1.07    |        |         |
| 17     | 表 | 20.8  | 29.97 | 4.43     | 84.5      | 8.21 | 0.96 | 3.62               | 2.13               | 14.16              | 1.08               | 1.59    | 2.81   | 1.24    |
|        | 底 | 21.18 | 31.71 | 4.24     | 82.3      | 8.23 |      | 1.98               | 1.97               | 3.19               | 0.50               | 1.13    |        |         |
| 18     | 表 | 20.2  | 29.68 | 4.40     | 82.9      | 8.16 | 1.15 | 4.58               | 3.00               | 17.08              | 1.16               | 1.83    | 5.31   | 1.66    |
|        | 底 | 21.97 | 32.08 | 2.69     | 53.1      | 8.08 |      | 5.61               | 2.81               | 4.06               | 1.00               | 1.64    |        |         |
| 19     | 表 | 20.7  | 31.68 | 4.76     | 91.5      | 8.21 | 1.06 | 2.33               | 1.55               | 7.05               | 0.53               | 1.36    | 2.81   | 1.46    |
|        | 底 | 20.71 | 31.86 | 4.42     | 85.2      | 8.22 |      | 1.87               | 1.63               | 2.74               | 0.49               | 1.11    |        |         |
| 20     | 表 | 20.7  | 31.75 | 4.68     | 90.0      | 8.26 | 0.65 | 2.65               | 1.52               | 3.33               | 0.58               | 0.87    | 0.56   | 0.38    |
|        | 底 | 21.54 | 32.14 | 4.48     | 87.7      | 8.26 |      | 0.64               | 1.91               | 2.85               | 0.51               | 0.76    |        |         |
| 平均     | 表 | 20.9  | 31.67 | 4.61     | 89.1      | 8.24 | 0.73 | 2.13               | 1.90               | 5.10               | 0.60               | 1.01    | 1.56   | 0.84    |
|        | 底 | 21.50 | 32.20 | 4.32     | 84.5      | 8.24 |      | 1.42               | 1.89               | 2.91               | 0.52               | 0.98    |        |         |

表5 浅海定線調査プランクトン検鏡結果（優占種のみ）

|   | St. 1  | St. 2  | St. 3 | St. 4 | St. 5 | St. 6 | St. 7 | St. 8 | St. 9 | St. 10 | St. 11 | St. 12 | St. 13 | St. 14 | St. 15 | St. 16 | St. 17 | St. 18 | St. 19 | St. 20 |
|---|--------|--------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2014年1月31日, 2月1日                              |        |        |       |       |       |       |       |       |       |        |        |        |        |        |        |        |        |        |        |        |
| <i>Skeletonema</i> sp. ( <i>costatum</i> )    | 1, 159 | 1, 143 | 16    | 16    | 452   | 40    |       |       | 429   | 2, 778 | 1, 944 | 3, 389 | 3, 571 | 5, 627 | 6, 135 | 8, 238 | 4, 786 | 1, 897 | 1, 071 | 127    |
| <i>Cryptomonas</i> sp.                        | 87     | 95     | 95    | 159   | 79    | 151   |       | 151   | 87    | 79     | 63     | 48     | 32     | 87     | 24     | 48     | 71     | 71     | 63     | 111    |
| 不明鞭毛藻   | 71     | 24     | 16    | 48    | 87    | 24    |       | 40    | 32    | 8      | 63     | 63     | 16     | 24     | 48     | 63     | 32     | 32     | 40     | 40     |
| <i>Chaetoceros</i> spp.                       | 32     | 24     | 8     |       |       |       |       |       |       | 60     | 40     |        |        | 230    | 16     | 24     | 8      |        | 56     | 16     |
| <i>Eucampia zodiacus</i>                      |        |        |       |       |       |       |       |       |       |        |        |        |        |        | 21     |        |        | 65     |        |        |
| 2014年5月13, 15日                                |        |        |       |       |       |       |       |       |       |        |        |        |        |        |        |        |        |        |        |        |
| <i>Skeletonema</i> sp. ( <i>costatum</i> )    | 40     |        |       | 16    |       |       | 103   |       | 540   | 48     | 500    | 587    | 1, 579 | 1, 246 | 802    | 1, 008 | 3, 262 | 1, 841 | 294    | 476    |
| <i>Chaetoceros</i> sp.                        | 183    | 151    | 40    | 40    | 48    | 8     | 24    | 63    | 786   | 95     | 524    | 1, 135 | 1, 294 | 1, 683 | 667    | 683    | 1, 595 | 1, 873 | 532    | 48     |
| <i>Pseudonitzschia</i> sp. ( <i>pungens</i> ) | 95     | 56     | 16    | 56    | 24    |       |       | 32    | 119   | 56     | 175    | 167    | 302    | 571    | 405    | 389    | 357    | 286    | 341    | 8      |
| <i>Leptocylinthrus danicus</i>                | 317    | 32     | 56    | 87    | 71    | 8     |       | 56    | 151   | 278    | 183    | 262    | 222    | 246    | 214    | 175    | 159    | 325    | 143    |        |
| <i>Cryptomonas</i> sp.                        | 159    | 127    | 167   | 159   | 111   | 190   | 183   | 167   | 111   | 56     | 71     | 40     | 56     | 95     | 40     | 48     | 48     | 95     | 167    | 79     |
| 2014年8月11, 12日                                |        |        |       |       |       |       |       |       |       |        |        |        |        |        |        |        |        |        |        |        |
| <i>Cryptomonas</i> sp.                        | 175    | 79     | 127   | 63    | 222   | 286   |       |       | 230   | 159    | 341    | 317    | 317    | 190    | 63     | 214    | 238    | 127    | 429    | 222    |
| 不明鞭毛藻   | 71     | 40     | 24    | 40    | 79    | 32    | 79    | 79    | 79    | 56     | 95     | 56     | 56     | 24     | 56     | 48     | 24     | 16     | 79     | 24     |
| <i>Thalassiosira</i> spp.                     | 40     | 40     | 8     | 16    | 16    | 16    | 8     | 8     |       | 8      | 8      |        |        |        |        |        |        |        | 8      |        |
| <i>Skeletonema</i> sp. ( <i>costatum</i> )    | 32     |        | 24    |       | 16    | 16    |       |       |       |        |        | 16     |        |        |        |        | 8      | 16     | 16     |        |
| <i>Pseudonitzschia</i> sp. 2                  | 24     |        |       |       | 16    |       |       |       |       |        |        | 24     |        |        |        |        |        |        |        |        |
| 2014年11月4, 5日                                 |        |        |       |       |       |       |       |       |       |        |        |        |        |        |        |        |        |        |        |        |
| <i>Skeletonema</i> sp. ( <i>costatum</i> )    | 63     | 56     |       |       | 16    | 48    |       |       | 16    | 143    | 8      | 71     | 230    | 48     | 1, 802 | 143    | 1, 000 | 556    | 24     |        |
| <i>Cryptomonas</i> sp.                        | 119    | 143    | 111   | 111   | 135   | 103   | 127   | 95    | 71    | 103    | 143    | 87     | 190    | 190    | 143    | 127    | 159    | 183    | 119    | 95     |
| 不明鞭毛藻   | 111    | 24     | 24    | 40    | 8     | 16    | 40    | 32    | 32    | 48     | 95     | 87     | 95     | 111    | 79     | 56     | 63     | 167    | 135    | 40     |
| <i>Thalassiosira</i> spp.                     | 8      | 16     |       | 16    | 8     | 8     | 8     | 8     |       | 8      |        |        | 63     | 16     | 24     | 8      | 32     | 95     | 24     |        |
| <i>Pseudonitzschia</i> sp. 2                  |        |        |       |       |       |       |       |       |       |        |        |        | 32     | 24     | 32     | 16     | 16     | 24     | 16     |        |