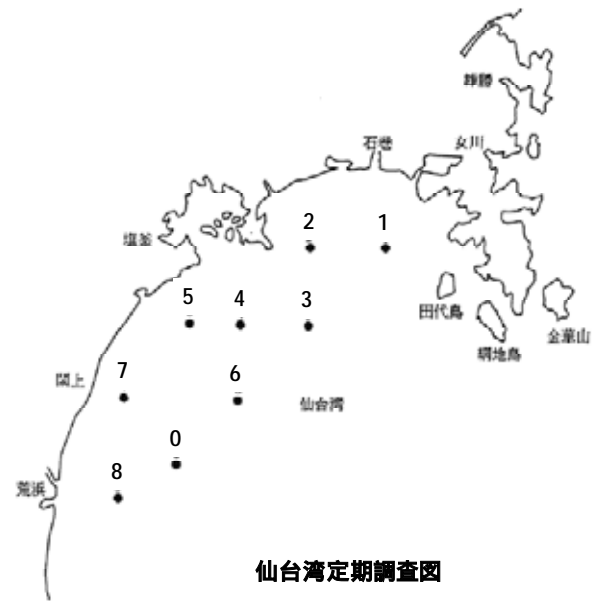


平成 22 年度第 4 回 仙台湾漁場環境特性調査結果概要

- 1 調査月日 平成 22 年 7 月 15 日
- 2 調査地点 右図の 9 定点
- 3 概 要 (詳細は下表のとおり)
 - 1) 水 温 : 表層で 21.1~23.1 , 底層で 10.6~12.8
 - 2) 塩 分 : 表層で 29.3~30.2 , 底層で 33.5~33.7
 - 3) DO (溶存酸素量) : 表層で 7.6~8.6 mg/L(100.4~113.5%) , 底層で 7.0~9.0mg/L(76.2~102.0%)
 - 4) 無機栄養塩
 - リン酸態リン (PO₄-P) : 表層で 2~4 μg/L, 底層で 2~13 μg/L
 - アンモニア態窒素 (NH₄-N) : 表層で 30~48 μg/L, 底層で 42~68 μg/L
 - 亜硝酸態窒素 (NO₂-N) : 表層で 3 μg/L 以下, 底層で 2~4 μg/L
 - 硝酸態窒素 (NO₃-N) : 表層で 4 μg/L 以下, 底層で 4~19 μg/L
 - 全窒素 (DIN) : 表層で 32~52 μg/L, 底層で 56~86 μg/L



平成22年7月15日調査

| St. | 時間 水深 m | 測定層 (m) | 透明度 (m) | 水温 () | 塩 分 | DO (mg/L) | DO (%) | PO ₄ -P (μg/L) | NH ₄ -N (μg/L) | NO ₂ -N (μg/L) | NO ₃ -N (μg/L) | DIN (μg/L) |
|-----|---------------|------------|------------|-----------|------|--------------|-----------|------------------------------|------------------------------|------------------------------|------------------------------|---------------|
| 1 | 15:33 30.5 | 0 | 5 | 22.4 | 29.6 | 8.4 | 110.7 | 4 | 30 | 1 | 2 | 33 |
| | | 10 | | 18.2 | 33.5 | 8.3 | 104.7 | 7 | 43 | 3 | 25 | 70 |
| | | 20 | | 13.9 | 33.7 | 8.8 | 102.2 | 6 | 38 | 2 | 17 | 57 |
| | | 30 | | 12.3 | 33.7 | 9.0 | 102.0 | 7 | 42 | 3 | 19 | 65 |
| 2 | 9:59 22 | 0 | 6 | 21.1 | 29.7 | 8.0 | 103.1 | 2 | 32 | <1 | <1 | 32 |
| | | 10 | | 18.4 | 33.5 | 7.9 | 98.9 | 3 | 41 | 2 | 2 | 44 |
| | | 20 | | 13.3 | 33.5 | 7.9 | 90.8 | 14 | 74 | 4 | 18 | 96 |
| 3 | 14:45 36.5 | 0 | 7 | 22.9 | 29.7 | 8.2 | 109.3 | 2 | 35 | 1 | 1 | 38 |
| | | 10 | | 18.9 | 33.2 | 8.0 | 102.0 | 2 | 37 | 1 | <1 | 38 |
| | | 20 | | 14.7 | 33.7 | 8.3 | 97.5 | 1 | 37 | <1 | <1 | 37 |
| | | 30 | | 12.0 | 33.7 | 8.0 | 90.1 | 1 | 32 | <1 | <1 | 32 |
| 4 | 10:48 24.5 | 0 | 9 | 22.5 | 29.8 | 7.6 | 100.4 | 2 | 45 | 1 | 1 | 48 |
| | | 10 | | 18.4 | 33.4 | 8.0 | 100.3 | 1 | 40 | 1 | <1 | 41 |
| | | 20 | | 13.6 | 33.5 | 7.6 | 88.5 | 7 | 62 | 2 | 12 | 76 |
| | | 24 | | 12.5 | 33.5 | 8.1 | 92.4 | 5 | 53 | 2 | 8 | 63 |
| 5 | 11:11 20.5 | 0 | 5 | 23.1 | 29.3 | 8.6 | 113.5 | 3 | 48 | 2 | 1 | 51 |
| | | 10 | | 17.5 | 33.4 | 8.0 | 99.3 | <1 | 39 | <1 | 2 | 41 |
| 6 | 13:52 30.0 | 0 | 10 | 22.5 | 30.2 | 8.1 | 107.0 | 2 | 34 | <1 | 1 | 35 |
| | | 10 | | 18.3 | 32.7 | 8.0 | 100.1 | 1 | 37 | <1 | 1 | 38 |
| | | 20 | | 12.7 | 33.6 | 10.1 | 115.4 | 2 | 39 | 1 | 1 | 42 |
| | | 29 | | 10.6 | 33.6 | 9.7 | 105.8 | 12 | 74 | 3 | 22 | 99 |
| 7 | 11:58 22.0 | 0 | 8 | 23.0 | 29.8 | 8.0 | 106.7 | 2 | 39 | 3 | 2 | 44 |
| | | 10 | | 19.5 | 33.0 | 8.4 | 106.8 | 1 | 36 | 2 | 2 | 40 |
| | | 20 | | 12.9 | 33.5 | 9.4 | 106.8 | 1 | 39 | 3 | 2 | 44 |
| | | 21 | | 12.8 | 33.5 | 8.8 | 100.1 | 2 | 53 | 2 | 4 | 59 |
| 8 | 12:48 25.5 | 0 | 8 | 22.5 | 29.5 | 8.0 | 105.5 | 2 | 47 | 2 | 4 | 52 |
| | | 10 | | 16.1 | 33.1 | 9.3 | 112.3 | <1 | 39 | 1 | <1 | 40 |
| | | 20 | | 12.7 | 33.5 | 8.9 | 101.9 | 4 | 53 | 2 | 4 | 59 |
| 0 | 13:15 29.0 | 0 | 12 | 22.5 | 30.1 | 7.9 | 104.5 | 2 | 42 | 3 | 3 | 48 |
| | | 10 | | 15.5 | 33.3 | 9.4 | 112.7 | 1 | 35 | 1 | <1 | 36 |
| | | 20 | | 11.5 | 33.5 | 8.5 | 94.8 | 6 | 56 | 2 | 7 | 65 |
| 0 | 28 | 28 | | 10.7 | 33.6 | 8.1 | 88.3 | 9 | 60 | 4 | 11 | 75 |