STATION NO. 4-2A-19

VALUES AT STANDARD DEPTHS

| Depth | Temp. °C. | Sal. ‰ | $\sigma_t$ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|---|
| 0 | 26.20 | 35.92 | 23.69 | 0.4 | | 6 | | |
| 10 | 26.21 | 35.95 | 23.70 | 1.0 | | 3 | | |
| 20 | 26.22 | 35.97 | 23.72 | 1.5 | 0.0 | 1 | 0.4 | 0.5 |
| 30 | 26.23 | 35.99 | 23.73 | 1.5 | | 0 | | |
| 50 | 26.23 | 36.00 | 23.74 | 1.2 | | 1 | | |
| 75 | 26.18 | 36.01 | 23.76 | 0.4 | | 1 | | |
| 100 | 26.00 | 36.00 | 23.81 | 0.6 | | 1 | | |
| 150 | 23.35 | 36.57 | 25.04 | 0.7 | | 6 | | |
| 200 | 21.14 | 36.82 | 25.86 | 0.5 | | 8 | | |
| 250 | 19.55 | 36.72 | 26.21 | 0.6 | | 3 | | |
| 300 | 17.90 | 36.47 | 26.44 | 0.8 | | 8 | | |
| 400 | 15.46 | 35.94 | 26.61 | 1.1 | | 4 | 0.2 | |
| 500 | 13.30 | 35.55 | 26.78 | 1.4 | 1.1 | 22 | 0.2 | |
| 600 | 10.10 | 35.21 | 27.12 | 1.9 | 1.5 | 39 | 0.5 | |
| 700 | 8.31 | 35.00 | 27.25 | 2.3 | 1.8 | 43 | 0.8 | 0.1 |
| 800 | 6.85 | 34.91 | 27.39 | 1.0 | 0.6 | 14 | 1.9 | 0.1 |
| 1000 | 5.00 | 34.89 | 27.61 | 2.4 | | 34 | 3.5 | |

STATION NO. 4-2A-20

DATE 16 1 1952 (Day Mo. Year) LAT. 22°53' N. LONG. 84°42' W. TIME 0736 GCT

DEPTH 1250 Faths. MAX. SAMPLE DEPTH 1973 Meters WIRE ANGLE 20 °

WEATHER 00 Code SEA 3 Code SWELL 090 Direction ° T. 5 Hgt. ft. 6 Period sec.

CLOUDS -- Type 0 Amount TEMP. 74.0 Dry °F. 66.8 Wet °F. BAR 30.15 in.

REL. HUM. 69 % WIND 090 Direction ° T. 4 Force VIS. 7 Code

OBSERVED VALUES

| Depth | Temp. °C | Sal. ‰ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|
| 0 | 25.96 | 35.91 | .8 | | 0 | | |
| 23 | 25.99 | 35.88 | .8 | | 1 | | |
| 70 | 25.98 | 35.91 | .4 | | 0 | | |
| 94 | 25.74 | 36.02 | .6 | 0.2 | 0 | | |
| 141 | 22.76 | 36.74 | 2.3 | 0.4 | 7 | | |
| 189 | 20.93 | 36.67 | .9 | | 10 | | |
| 285 | 17.86 | 36.33 | 2.9 | | 13 | | |
| 382 | 15.67 | 35.99 | 1.6 | 1.5 | 20 | | |
| 480 | 13.42 | 35.61 | 1.3 | 1.1 | 33 | 0.1 | |
| 578 | 10.57 | 35.18 | 1.8 | | 32 | | |
| 677 | 8.65 | 35.05 | 1.8 | | 37 | | |
| 776 | 7.23 | 35.03 | 2.8 | 2.1 | 41 | | |
| 974 | 5.34 | 34.91 | 2.8 | | 33 | | |
| 1273 | 4.47 | 34.88 | 2.3 | | | | |
| 1573 | 4.22 | 34.87 | 2.9 | | 21 | | |

STATION NO. 4-2A-20

VALUES AT STANDARD DEPTHS

| Depth | Temp. °C | Sal. ‰ | $\sigma_t$ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|---|
| 0 | 25.96 | 35.91 | 23.75 | 0.8 | | 0 | | |
| 10 | 25.97 | 35.89 | 23.73 | 0.8 | | 0 | | |
| 20 | 25.99 | 35.88 | 23.72 | 0.8 | | 1 | | |
| 30 | 25.99 | 35.88 | 23.72 | 0.7 | | 1 | | |
| 50 | 26.00 | 35.89 | 23.73 | 0.6 | | 0 | | |
| 75 | 25.90 | 35.93 | 23.79 | 0.4 | | 0 | | |
| 100 | 25.70 | 36.05 | 23.94 | 0.8 | 0.2 | 1 | | |
| 150 | 22.60 | 36.74 | 25.39 | 2.0 | 0.4 | 8 | | |
| 200 | 20.65 | 36.64 | 25.86 | 1.1 | | 10 | | |
| 250 | 18.80 | 36.45 | 26.20 | 2.2 | | 12 | | |
| 300 | 17.45 | 36.28 | 26.40 | 2.7 | | 14 | | |
| 400 | 15.38 | 35.93 | 26.62 | 1.5 | 1.4 | 22 | 6.9 | |
| 500 | 12.80 | 35.50 | 26.84 | 1.4 | | 33 | 0.1 | |
| 600 | 10.07 | 35.14 | 27.07 | 1.8 | | 33 | | |
| 700 | 8.25 | 35.04 | 27.29 | 2.0 | | 38 | | |
| 800 | 6.92 | 35.02 | 27.47 | 2.8 | 2.1 | 40 | | |
| 1000 | 5.19 | 34.90 | 27.60 | 2.8 | | 33 | | |
| 1200 | 4.59 | 34.88 | 27.65 | 2.4 | | 28 | | |
| 1500 | 4.27 | 34.87 | 27.68 | 2.8 | | 22 | | |

STATION NO. 4-2A-21

DATE 16 1 1952 (Day Mo. Year) LAT. 23°32' N. LONG. 84°32' W. TIME 1928 GCT

DEPTH 1500 Faths. MAX. SAMPLE DEPTH 1608 Meters WIRE ANGLE 8 °

WEATHER 01 Code SEA 1 Code SWELL - Direction ° T. - Hgt. ft. - Period sec.

CLOUDS Sc Type 4 Amount TEMP. 75.8 Dry °F. 68.2 Wet °F. BAR. 30.21 in.

REL. HUM. 68 % WIND 140 Direction ° T. 2 Force VIS. 9 Code

OBSERVED VALUES

| Depth | Temp. °C | Sal. ‰ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|
| 0 | 25.44 | 35.99 | .9 | 0.0 | - | 0.4 | |
| 25 | 25.38 | 35.98 | 2.1 | 0.0 | 0 | 0.8 | |
| 75 | 25.38 | 36.10 | .1 | 0.0 | 1 | 0.3 | |
| 100 | 25.38 | 36.06 | .1 | 0.0 | 0 | | |
| 150 | 23.66 | 36.61 | .5 | 0.1 | 5 | 0.4 | |
| 198 | 21.13 | 36.75 | .8 | 0.2 | 9 | | |
| 298 | 17.52 | 36.38 | 2.6 | | - | | |
| 398 | 15.55 | 36.00 | 1.8 | | 19 | | 0.0 |
| 499 | 12.57 | 35.59 | 5.9 | 1.6 | 27 | | |
| 700 | 8.13 | 35.00 | 2.7 | 1.7 | 41 | 0.8 | |
| 901 | 5.79 | 34.90 | 2.5 | 1.8 | 29 | 0.3 | |
| 1104 | 4.81 | 34.96 | 2.1 | | 31 | | |
| 1306 | 4.34 | 34.95 | 3.6 | | 38 | | |
| 1608 | 4.22 | 35.17 | 3.6 | 1.6 | 36 | | |

STATION NO. 4-2A-21

VALUES AT STANDARD DEPTHS

| Depth | Temp. °C | Sal. ‰ | $\sigma_t$ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|---|
| 0 | 25.44 | 35.99 | 23.97 | 0.9 | 0.0 | | 0.4 | |
| 10 | 25.40 | 35.98 | 23.98 | 1.4 | 0.0 | | 0.6 | |
| 20 | 25.39 | 35.98 | 23.98 | 1.9 | 0.0 | | 0.7 | |
| 30 | 25.38 | 35.98 | 23.99 | 1.9 | 0.0 | 0 | 0.7 | |
| 50 | 25.38 | 36.03 | 24.02 | 1.1 | 0.0 | 1 | 0.6 | |
| 75 | 25.38 | 36.10 | 24.08 | 0.1 | 0.0 | 1 | 0.3 | |
| 100 | 25.38 | 36.06 | 24.05 | 0.1 | 0.0 | 0 | 0.3 | |
| 150 | 23.66 | 36.61 | 24.98 | 0.5 | 0.1 | 5 | 0.4 | |
| 200 | 21.00 | 36.75 | 25.84 | 0.8 | 0.2 | 9 | | |
| 250 | 19.00 | 36.64 | 26.29 | 1.7 | | 12 | | |
| 300 | 17.50 | 36.37 | 26.46 | 2.6 | | 14 | | |
| 400 | 15.35 | 36.00 | 26.68 | 1.9 | | 19 | | 0.0 |
| 500 | 12.38 | 35.59 | 26.99 | 4.7 | 1.6 | 27 | | |
| 600 | 9.98 | 35.22 | 27.15 | 3.7 | 1.7 | 34 | | |
| 700 | 8.13 | 35.00 | 27.27 | 2.7 | 1.7 | 41 | 0.8 | |
| 800 | 6.84 | 34.93 | 27.41 | 2.6 | 1.7 | 35 | 0.6 | |
| 1000 | 5.31 | 34.90 | 27.58 | 2.3 | 1.8 | 30 | | |
| 1200 | 4.54 | 34.93 | 27.69 | 2.9 | 1.8 | 35 | | |
| 1500 | 4.21 | 35.00 | 27.79 | 3.6 | 1.6 | 37 | | |
| 2000 | | | | 1.9 | | 36 | | |

STATION NO: 4-2A-22

DATE 17 1 1952 (Day Mo. Year) LAT. 24°08' N. LONG. 84°10' W. TIME 0304 GCT

DEPTH 1610 Faths. MAX. SAMPLE DEPTH 2204 Meters WIRE ANGLE 7 °

WEATHER 02 (Code) SEA 3 (Code) SWELL - (Direction) ° T. - (Hgt.) ft. - (Period) sec.

CLOUDS Sc (Type) 5 (Amount) TEMP. 75.1 (Dry) °F. 70.8 (Wet) °F. BAR. 30.16 in.

REL. HUM. 80 % WIND 180 (Direction) ° T. 4 (Force) VIS. 7 (Code)

OBSERVED VALUES

| Depth | Temp. °C | Sal. ‰ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|
| 0 | 26.65 | 36.00 | .3 | 0.0 | 0 | | 0.1 |
| 49 | 26.26 | 36.25 | 1.1 | | 0 | | |
| 98 | 24.76 | 35.56 | .4 | 0.1 | 3 | | |
| 147 | 21.99 | 36.92 | .6 | | 7 | | |
| 196 | 19.90 | 36.86 | 1.1 | 0.3 | 9 | 0.6 | |
| 294 | 15.16 | 36.18 | .4 | 0.8 | 24 | 0.0 | |
| 392 | 12.30 | 35.63 | 1.8 | | 26 | | 0.1 |
| 487 | 9.98 | 35.20 | | | 36 | | |
| 674 | 6.91 | 34.94 | 2.6 | 1.9 | 30 | 1.1 | |
| 860 | 5.44 | 34.89 | 2.2 | | 38 | | |
| 1047 | 4.62 | 35.03 | 1.4 | 1.4 | 29 | 0.3 | |
| 1234 | 4.31 | 34.99 | 1.0 | 1.6 | 32 | | |
| 1517 | 4.20 | 35.16 | 2.5 | 1.5 | 32 | 0.0 | |
| 1808 | 4.18 | 34.97 | 1.1 | | 34 | | |
| 2204 | 4.18 | 34.97 | 1.7 | | 29 | | 0.2 |

STATION NO. 4-2A-22

VALUES AT STANDARD DEPTHS

| Depth | Temp. °C | Sal. ‰ | $\sigma_t$ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|---|
| 0 | 26.65 | 36.00 | 23.60 | 0.3 | 0.0 | 0 | | 0.1 |
| 10 | 26.51 | 36.06 | 23.69 | 0.5 | 0.0 | 0 | | |
| 20 | 26.42 | 36.11 | 23.76 | 0.6 | 0.0 | 0 | | |
| 30 | 26.37 | 36.15 | 23.81 | 0.8 | 0.0 | 0 | | |
| 50 | 26.20 | 36.27 | 23.95 | 1.1 | 0.1 | 0 | | |
| 75 | 25.75 | 36.47 | 24.24 | 0.8 | 0.1 | 2 | | |
| 100 | 24.60 | 36.68 | 24.75 | 0.4 | 0.1 | 3 | | |
| 150 | 21.80 | 36.92 | 25.75 | 0.6 | 0.2 | 7 | | |
| 200 | 19.60 | 36.84 | 26.29 | 1.1 | 0.3 | 10 | 0.6 | |
| 250 | 17.33 | 36.59 | 26.67 | 0.8 | 0.6 | 16 | 0.3 | |
| 300 | 15.08 | 36.14 | 26.85 | 0.5 | 0.8 | 24 | 0.0 | |
| 400 | 12.10 | 35.60 | 27.05 | 1.8 | 1.1 | 27 | | 0.1 |
| 500 | 9.70 | 35.17 | 27.16 | 2.1 | 1.4 | 36 | | |
| 600 | 8.00 | 35.00 | 27.29 | 2.4 | 1.7 | 32 | | |
| 700 | 6.71 | 34.93 | 27.42 | 2.6 | 1.9 | 31 | 1.1 | |
| 800 | 5.96 | 34.89 | 27.49 | 2.3 | 1.7 | 35 | 0.9 | |
| 1000 | 4.81 | 34.92 | 27.66 | 1.6 | 1.5 | 31 | 0.4 | |
| 1200 | 4.35 | 34.98 | 27.75 | 1.1 | 1.6 | 31 | 0.2 | |
| 1500 | 4.19 | 34.97 | 27.76 | 2.4 | 1.5 | 32 | 0.0 | |
| 2000 | 4.20 | 34.97 | 27.76 | 1.4 | | 32 | | 0.2 |

STATION NO: 4-2A-23

DATE 17 1 1952 (Day Mo. Year) LAT. 24°38' N. LONG. 83°51' W. TIME 0941 GCT

DEPTH 320 Faths. MAX. SAMPLE DEPTH 543 Meters WIRE ANGLE 25 °

WEATHER 00 (Code) SEA 2 (Code) SWELL - (Direction) ° T. - (Hgt.) ft. - (Period) sec.

CLOUDS - (Type) 0 (Amount) TEMP. 74.2 (Dry) °F. 69.5 (Wet) °F. BAR. 30.14 in.

REL. HUM. 80 % WIND 100 (Direction) ° T. 2 (Force) VIS. 7 (Code)

OBSERVED VALUES

| Depth | Temp. °C | Sal. ‰ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|
| 0 | 25.33 | 35.92 | 2.1 | | 0 | 0.9 | |
| 22 | 25.10 | 36.18 | 1.8 | 0.0 | 0 | 2.0 | |
| 45 | 23.64 | 36.17 | 2.3 | 0.0 | 3 | 0.4 | |
| 67 | 22.53 | 36.21 | 1.7 | 0.0 | 0 | | |
| 89 | 22.36 | 36.05 | 1.9 | 0.0 | 2 | | |
| 137 | 20.26 | 36.44 | 1.5 | | 10 | | |
| 179 | 17.36 | 36.04 | 2.8 | 0.6 | 18 | 0.1 | |
| 221 | 15.37 | 35.98 | 6.2 | 1.0 | 16 | | 0.3 |
| 263 | 13.66 | 36.00 | 2.6 | 1.1 | 25 | 0.9 | 0.1 |
| 309 | 13.35 | 35.66 | 2.4 | 1.4 | 25 | 1.0 | 0.1 |
| 354 | 11.12 | 35.24 | 6.4 | 1.4 | 27 | 36.0 | |
| 398 | 9.68 | 35.08 | 8.6 | 1.7 | 37 | 0.6 | |
| 443 | 8.64 | 35.05 | 2.9 | | 40 | | |
| 543 | 7.42 | 34.86 | 2.8 | 1.9 | 39 | | 0.9 |

STATION NO. 4-2A-23

VALUES AT STANDARD DEPTHS

| Depth | Temp. °C | Sal. ‰ | $\sigma_t$ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|---|
| 0 | 25.33 | 35.92 | 23.96 | 2.1 | 0.0 | 0 | 0.9 | |
| 10 | 25.25 | 36.10 | 24.12 | 2.1 | 0.0 | 0 | 1.4 | |
| 20 | 25.10 | 36.18 | 24.22 | 2.0 | 0.0 | 0 | 1.9 | |
| 30 | 24.80 | 36.18 | 24.31 | 2.1 | 0.0 | 1 | 1.4 | |
| 50 | 23.42 | 36.17 | 24.72 | 2.2 | 0.0 | 3 | 0.4 | |
| 75 | 22.65 | 36.25 | 25.00 | 1.8 | 0.0 | 1 | 0.3 | |
| 100 | 21.74 | 36.37 | 25.35 | 1.8 | 0.2 | 3 | 0.3 | |
| 150 | 18.90 | 36.43 | 26.16 | 1.9 | 0.4 | 12 | 0.2 | |
| 200 | 16.45 | 36.00 | 26.43 | 4.1 | 0.8 | 17 | 0.1 | 0.3 |
| 250 | 14.77 | 35.91 | 26.74 | 3.4 | 1.1 | 22 | 1.3 | 0.2 |
| 300 | 13.55 | 35.73 | 26.86 | 2.4 | 1.3 | 25 | 1.0 | 0.1 |
| 400 | 9.60 | 35.08 | 27.10 | 3.2 | 1.7 | 37 | 0.6 | |
| 500 | 7.94 | 34.98 | 27.29 | 2.8 | 1.8 | 39 | 0.8 | |

STATION NO. 4-2A-25

DATE 17 1 1952 (Day Mo. Year) LAT. 24°32' N. LONG. 83°06' W. TIME 1639 GCT

DEPTH 15 Faths. MAX. SAMPLE DEPTH 20 Meters WIRE ANGLE - °

WEATHER 00 Code SEA 2 Code SWELL - Direction ° T. - Hgt. ft. - Period sec.

CLOUDS Ac Cu type 1 Amount TEMP. 73.7°F. Dry 69.5°F. Wet BAR. 30.22 in.

REL. HUM. 82 % WIND 050 Direction ° T. 3 Force VIS. 8 Code

OBSERVED VALUES

| Depth | Temp. °C | Sal. ‰ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|
| 0 | 21.77 | 36.07 | .6 | | 3 | | |
| 10 | 21.81 | 36.12 | .7 | | 2 | | |
| 20 | 21.73 | 35.84 | | 0.1 | 1 | 0.6 | 0.1 |

VALUES AT STANDARD DEPTHS

| Depth | Temp. °C | Sal. ‰ | $\sigma_t$ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot Mg/l |
|---|---|---|---|---|---|---|---|---|
| 0 | 21.77 | 36.07 | 25.11 | 0.6 | | 3 | | |
| 10 | 21.81 | 36.12 | 25.14 | 0.7 | | 2 | | |
| 20 | 21.73 | 35.84 | 24.95 | | 0.1 | 1 | 0.6 | 0.1 |

STATION NO. 4-2A-26

DATE 19 1 1952 (Day Mo. Year) LAT. 24°25' N. LONG. 82°26' W. TIME 1558 GCT

DEPTH 20 Faths. MAX. SAMPLE DEPTH 40 Meters WIRE ANGLE 0 °

WEATHER 00 Code SEA 2 Code SWELL - Direction °T. - Hgt. ft. - Period sec.

CLOUDS - Type 0 Amount TEMP. 73.7°F. Dry 68.9°F. Wet BAR. 30.10 in.

REL. HUM. 78 % WIND 050 Direction ° T. 2 Force VIS. 8 Code

OBSERVED VALUES

| Depth | Temp. °C | Sal. ‰ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|
| 0 | 23.58 | 36.18 | .8 | | 3 | | |
| 10 | 23.54 | 36.11 | 1.1 | | 0 | | |
| 20 | 23.36 | 36.24 | .4 | 0.2 | 2 | | |
| 30 | 22.96 | 36.13 | .7 | 0.0 | 1 | 2.9 | 0.6 |
| 40 | 22.77 | 36.17 | .4 | | 3 | | 0.6 |

VALUES AT STANDARD DEPTHS

| Depth | Temp. °C | Sal. ‰ | $\sigma_t$ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|---|
| 0 | 23.58 | 36.18 | 24.68 | 0.8 | | 3 | | |
| 10 | 23.54 | 36.11 | 24.64 | 1.1 | | 0 | | |
| 20 | 23.36 | 36.24 | 24.79 | 0.4 | 0.2 | 2 | 2.8 | |
| 30 | 22.96 | 36.13 | 24.82 | 0.7 | 0.0 | 1 | 2.9 | 0.6 |

STATION NO. 4-2A-27

DATE 19 1 1952 (Day Mo. Year) LAT. 24°14' N. LONG. 82°25' W. TIME 1937 GCT

DEPTH 320 Faths. MAX. SAMPLE DEPTH 520 Meters WIRE ANGLE 0 °

WEATHER 00 Code SEA 2 Code SWELL - Direction °T. - Hgt. ft. - Period sec.

CLOUDS Sc Type 1 Amount TEMP. 73.0 Dry °F. 69.4 Wet °F. BAR. 30.11 in.

REL. HUM. 84 % WIND 050 Direction ° T. 3 Force VIS. 8 Code

OBSERVED VALUES

| Depth | Temp. °C | Sal. ‰ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|
| 0 | 23.19 | 36.15 | .3 | 0.1 | 18 | | |
| 25 | 22.56 | 36.14 | .4 | | 4 | 0.4 | |
| 50 | 22.58 | 36.08 | .3 | | 2 | | |
| 75 | 21.68 | 36.00 | .3 | 0.0 | 0 | | |
| 100 | 15.89 | 36.12 | 1.4 | 1.3 | 16 | | 0.2 |
| 155 | 13.22 | 35.66 | 1.2 | 1.2 | 21 | 0.6 | |
| 205 | 11.68 | 35.70 | 1.9 | | 34 | | |
| 255 | 10.84 | 35.34 | 1.1 | | 22 | | 0.2 |
| 305 | 10.28 | 35.25 | 1.3 | | 29 | | |
| 360 | 9.41 | 35.16 | 2.3 | | - | | |
| 410 | 8.66 | 35.00 | 2.1 | 1.5 | 32 | 0.4 | 0.2 |
| 460 | 8.16 | 34.99 | | 1.8 | - | | - |
| 510 | 7.75 | 34.94 | 2.0 | | 34 | | 0.1 |
| 520 | 7.68 | 34.93 | 2.0 | 2.6 | 38 | | |

STATION NO. 4-2A-27

VALUES AT STANDARD DEPTHS

| Depth | Temp. °C | Sal. ‰ | $\sigma_t$ | Total $PO_4$-P | Inorg $PO_4$-P | $NO_3$-N | Carb. mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|---|
| 0 | 23.19 | 36.15 | 24.77 | 0.3 | | 18 | | |
| 10 | 22.80 | 36.15 | 24.88 | 0.3 | | 12 | | |
| 20 | 22.58 | 36.14 | 24.94 | 0.4 | | 7 | 0.4 | |
| 30 | 22.58 | 36.13 | 24.93 | 0.4 | 0.1 | 4 | 0.4 | |
| 50 | 22.58 | 36.08 | 24.89 | 0.3 | 0.0 | 2 | | |
| 75 | 21.68 | 36.00 | 25.09 | 0.3 | 0.0 | 0 | | |
| 100 | 15.89 | 36.12 | 26.65 | 1.4 | 1.3 | 16 | | 0.2 |
| 150 | 13.38 | 35.72 | 26.89 | 1.2 | 1.2 | 21 | 0.6 | |
| 200 | 11.86 | 35.49 | 27.01 | 1.8 | 1.3 | 33 | | |
| 250 | 11.00 | 35.35 | 27.07 | 1.2 | 1.3 | 23 | | 0.2 |
| 300 | 10.32 | 35.26 | 27.12 | 1.3 | 1.4 | 28 | | |
| 400 | 8.84 | 35.01 | 27.17 | 2.1 | 1.5 | 32 | 0.4 | 0.2 |
| 500 | 7.83 | 34.95 | 27.28 | 2.0 | 2.3 | 34 | | 0.1 |

STATION NO. 4-2A-28

DATE 20 1 1952 (Day Mo. Year) LAT. 23°48' N. LONG. 82°20' W. TIME 0030 GCT

DEPTH 780 Faths. MAX. SAMPLE DEPTH 1078 Meters WIRE ANGLE 20 °

WEATHER 00 (Code) SEA 2 (Code) SWELL - (Direction) ° T. - (Hgt) ft. - (Period) sec.

CLOUDS Sc (Type) 1 (Amount) TEMP. 77.2 (Dry) °F. 70.7 (Wet) °F. BAR. 30.12 in.

REL. HUM. 72 % WIND 090 (Direction) ° T. 4 (Force) VIS. 8 (Code)

OBSERVED VALUES

| Depth | Temp. °C | Sal. ‰ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|
| 0 | 26.12 | 36.12 | .5 | | 1 | | 0.3 |
| 22 | 26.10 | 35.95 | .2 | 0.0 | 0 | 0.6 | 0.3 |
| 49 | 26.12 | 36.01 | .1 | 0.0 | 0 | 0.3 | 0.2 |
| 70 | 24.61 | 36.32 | .2 | | 2 | | |
| 97 | 22.95 | 36.31 | .2 | 0.0 | 0 | | |
| 149 | 21.21 | 37.05 | .3 | 0.2 | 0 | 0.4 | |
| 192 | 18.64 | 36.17 | 1.0 | 0.1 | 3 | 0.1 | |
| 284 | 15.26 | 36.02 | 2.0 | 0.8 | 10 | 0.1 | |
| 380 | 12.28 | 35.55 | 1.2 | | 25 | | |
| 463 | 9.91 | 35.40 | 1.0 | 1.6 | 26 | 0.7 | 0.1 |
| 546 | 8.44 | 35.29 | 2.0 | | 32 | | |
| 707 | 6.55 | 34.86 | 1.5 | 1.9 | 35 | 1.2 | |
| 888 | 5.37 | 34.88 | 2.1 | | 31 | | 0.1 |
| 1078 | 4.81 | 35.06 | 1.7 | | 29 | | 0.0 |

STATION NO. 4-2A-28

VALUES AT STANDARD DEPTHS

| Depth | Temp. °C | Sal. ‰ | $\sigma_t$ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot Mg/l |
|---|---|---|---|---|---|---|---|---|
| 0 | 26.12 | 36.12 | 23.86 | 0.5 | | 0 | | 0.3 |
| 10 | 26.08 | 36.02 | 23.80 | 0.4 | | 1 | | 0.3 |
| 20 | 26.07 | 35.95 | 23.75 | 0.2 | 0.0 | 0 | 0.6 | 0.3 |
| 30 | 26.10 | 35.96 | 23.75 | 0.2 | 0.0 | 0 | 0.5 | 0.3 |
| 50 | 26.12 | 36.02 | 23.79 | 0.1 | 0.0 | 0 | 0.3 | 0.2 |
| 75 | 24.15 | 36.32 | 24.62 | 0.2 | 0.0 | 2 | 0.3 | |
| 100 | 22.95 | 36.30 | 24.95 | 0.2 | 0.0 | 0 | 0.4 | |
| 150 | 21.20 | 36.23 | 25.39 | 0.3 | 0.2 | 0 | 0.4 | |
| 200 | 18.38 | 36.15 | 26.08 | 1.1 | 0.2 | 4 | 0.1 | |
| 250 | 16.48 | 36.07 | 26.48 | 1.6 | 0.5 | 7 | 0.1 | |
| 300 | 14.80 | 35.96 | 26.77 | 1.9 | 0.9 | 12 | 0.2 | |
| 400 | 11.95 | 35.51 | 27.01 | 1.2 | 1.3 | 25 | 0.6 | |
| 500 | 9.18 | 35.35 | 27.38 | 1.4 | 1.6 | 29 | 0.8 | 0.1 |
| 600 | 7.71 | 35.14 | 27.45 | 1.8 | 1.8 | 33 | 1.0 | 0.1 |
| 700 | 6.60 | 34.86 | 27.38 | 1.5 | 1.9 | 35 | 1.2 | |
| 800 | 5.96 | 34.85 | 27.46 | 1.8 | | 33 | | |
| 1000 | 4.99 | 34.99 | 27.69 | 1.9 | | 30 | 0.1 | |

STATION NO. 4-2A-29

DATE 20 1 1952 (Day Mo. Year) LAT. 23°33' N. LONG. 82°24' W. TIME 0428 GCT

DEPTH 920 Faths. MAX. SAMPLE DEPTH 1490 Meters WIRE ANGLE 5 °

WEATHER 00 (Code) SEA 2 (Code) SWELL - (Direction) ° T. - (Hgt.) ft. - (Period) sec.

CLOUDS Sc (Type) 1 (Amount) TEMP. 75.9°F. (Dry) 71.6°F. (Wet) BAR. 30.11 in.

REL: HUM. 80 % WIND 090 (Direction) ° T. 3 (Force) VIS. 8 (Code)

OBSERVED VALUES

| Depth | Temp. °C. | Sal. ‰ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|
| 0 | 26.03 | 36.12 | .5 | | 0 | | 0.4 |
| 25 | 25.89 | 36.27 | .1 | 0.0 | 18 | 3.9 | |
| 50 | 26.07 | 35.98 | .1 | 0.1 | 2 | 0.6 | |
| 75 | 25.98 | 36.00 | .1 | | 0 | | |
| 99 | 25.46 | 36.26 | .2 | 0.0 | 0 | 0.6 | |
| 149 | 22.61 | 36.82 | 1.5 | 0.1 | - | 0.2 | |
| 199 | 20.04 | 36.77 | .4 | 0.4 | 7 | 0.2 | 0.1 |
| 298 | 17.02 | --- | | | 2 | | |
| 396 | 14.19 | 35.91 | 8.7 | | 3 | | 0.1 |
| 495 | 11.42 | 35.48 | 1.3 | 1.4 | 28 | 0.0 | 0.2 |
| 693 | 9.67 | 36.83 | .3 | 0.2 | 7 | 0.0 | |
| 892 | 5.65 | 34.97 | 3.7 | 1.8 | 34 | 0.1 | |
| 1191 | 4.58 | 35.08 | 1.6 | 1.5 | 29 | 7.7 | 0.3 |
| 1490 | 4.22 | 34.97 | 1.0 | 1.3 | 19 | | 0.0 |

STATION NO. 4-2A-29

VALUES AT STANDARD DEPTHS

| Depth | Temp. °C | Sal. ‰ | $\sigma_t$ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|---|
| 0 | 26.03 | 36.12 | 23.89 | 0.5 | | 0 | | 0.4 |
| 10 | 25.85 | 36.21 | 24.01 | 0.3 | | 7 | | |
| 20 | 25.90 | 36.26 | 24.04 | 0.2 | 0.0 | 14 | | |
| 30 | 25.90 | 36.27 | 24.04 | 0.1 | 0.0 | 15 | 3.2 | |
| 50 | 26.07 | 35.98 | 23.77 | 0.1 | 0.1 | 2 | 0.6 | |
| 75 | 25.98 | 36.00 | 23.81 | 0.1 | 0.0 | 0 | 0.6 | |
| 100 | 25.20 | 36.28 | 24.27 | 0.2 | 0.0 | 0 | 0.6 | |
| 150 | 22.70 | 36.82 | 25.42 | 1.4 | 0.1 | 4 | 0.2 | |
| 200 | 20.00 | 36.76 | 26.12 | 0.4 | 0.4 | 7 | 0.2 | 0.1 |
| 250 | 18.30 | 36.54 | 26.39 | 2.6 | | 5 | 0.2 | |
| 300 | 17.03 | 36.33 | 26.54 | 4.7 | | 2 | 0.1 | |
| 400 | 13.90 | 35.85 | 26.88 | 8.4 | | 3 | 0.1 | 0.1 |
| 500 | 11.39 | 35.47 | 27.09 | 1.2 | 1.4 | 27 | 0.0 | 0.2 |
| 600 | 10.61 | 35.30 | 27.10 | 0.8 | 0.8 | 17 | 0.0 | |
| 700 | 9.50 | 35.13 | 27.16 | 0.4 | 0.3 | 8 | 0.0 | |
| 800 | 7.20 | 35.00 | 27.41 | 2.0 | 1.2 | 22 | 0.0 | |
| 1000 | 5.20 | 34.97 | 27.65 | 2.9 | 1.7 | 33 | 2.5 | |
| 1200 | 4.59 | 34.97 | 27.72 | 1.6 | 1.5 | 29 | 7.7 | 0.3 |
| 1500 | (4.20) | (34.97) | 27.76 | | 1.3 | | | 0.0 |

() Extrapolated values.

STATION NO. 4-2A-30

DATE 20 1 1952 (Day Mo. Year) LAT. 23°12' N. LONG. 82°22' W. TIME 1025 GCT

DEPTH 550 Faths. MAX. SAMPLE DEPTH 1048 Meters WIRE ANGLE 3 °

WEATHER 00 Code SEA 2 Code SWELL - Direction ° T. - Hgt. ft. - Period sec.

CLOUDS - Type 0 Amount TEMP. 68.8 °F. Dry 66.2 °F. Wet BAR. 30.07 in.

REL. HUM. 88 % WIND 140 Direction ° T. 1 Force VIS. 8 Code

OBSERVED VALUES

| Depth | Temp. °C | Sal. ‰ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|
| 0 | 25.24 | 36.13 | .6 | | 0 | | |
| 10 | 25.26 | 36.14 | .1 | 0.0 | 1 | | 0.5 |
| 25 | 25.34 | 36.08 | .3 | 0.0 | 2 | 1.3 | 0.3 |
| 50 | 25.26 | 36.08 | .9 | 0.0 | 0 | | |
| 75 | 25.28 | 36.35 | .9 | | 0 | | |
| 100 | 25.28 | 36.32 | .4 | 0.5 | 0 | | 0.7 |
| 150 | 23.19 | 36.83 | .2 | 1.3 | 7 | | |
| 200 | 20.84 | 36.97 | 2.8 | 0.3 | 8 | | |
| 299 | --- | 36.44 | .6 | 0.5 | 11 | | 0.1 |
| 399 | 15.22 | 36.13 | 1.8 | 0.7 | 16 | | 0.4 |
| 499 | 13.03 | 35.71 | 1.7 | 1.1 | 28 | 10.5 | |
| 598 | 10.43 | 35.43 | 3.3 | 1.6 | 25 | 0.0 | |
| 798 | 7.11 | 34.97 | 2.7 | 2.1 | 26 | | 0.2 |
| 1048 | 4.92 | 35.08 | 2.7 | | 27 | | 0.1 |

STATION NO. 4-2A-30

VALUES AT STANDARD DEPTHS

| Depth | Temp. °C | Sal. ‰ | $\sigma_t$ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|---|
| 0 | 25.24 | 36.13 | 24.14 | 0.6 | | 0 | | |
| 10 | 25.26 | 36.14 | 24.14 | 0.1 | 0.0 | 1 | | 0.5 |
| 20 | 25.30 | 36.09 | 24.09 | 0.2 | 0.0 | 2 | | 0.3 |
| 30 | 25.39 | 36.08 | 24.06 | 0.4 | 0.0 | 2 | 1.7 | 0.3 |
| 50 | 25.26 | 36.08 | 24.10 | 0.9 | 0.0 | 0 | 3.1 | |
| 75 | 25.28 | 36.35 | 24.30 | 0.9 | 0.3 | 0 | 4.8 | |
| 100 | 25.28 | 36.32 | 24.27 | 0.4 | 0.5 | 0 | 6.6 | 0.7 |
| 150 | 23.19 | 36.83 | 25.29 | 0.2 | 1.3 | 7 | 20.8 | |
| 200 | 20.84 | 36.97 | 26.06 | 2.8 | 0.3 | 8 | 6.0 | |
| 250 | 19.21 | 36.82 | 26.37 | 1.7 | 0.4 | 10 | | |
| 300 | 17.65 | 36.42 | 26.46 | 0.6 | 0.5 | 11 | | 0.1 |
| 400 | 15.22 | 36.12 | 26.80 | 1.8 | 0.7 | 16 | | 0.4 |
| 500 | 13.03 | 35.70 | 26.95 | 1.7 | 1.1 | 28 | 10.2 | |
| 600 | 10.40 | 35.42 | 27.23 | 3.3 | 1.6 | 25 | 0.0 | |
| 700 | 8.60 | 35.17 | 27.33 | 3.0 | 1.9 | 26 | | |
| 800 | 7.05 | 34.97 | 27.41 | 2.7 | 2.1 | 26 | | 0.2 |
| 1000 | 5.17 | 35.03 | 27.70 | 2.7 | | 27 | | 0.1 |

STATION NO: 4-2A-31

DATE 22 1 1952 (Day Mo. Year) LAT. 23°15' N. LONG. 83°09' W. TIME 1756 (GCT)

DEPTH 1150 (Faths.) MAX. SAMPLE DEPTH 1998 (Meters) WIRE ANGLE 5 °

WEATHER 00 (Code) SEA 2 (Code) SWELL 160 (Direction) ° T. 3 (Hgt.) ft. 3 (Period) sec.

CLOUDS Sc (Type) 1 (Amount) TEMP. 77.5°F. (Dry) 71.4°F. (Wet) BAR. 30.02 in.

REL. HUM. 75 % WIND 160 (Direction) ° T. 2 (Force) VIS. 8 (Code)

OBSERVED VALUES

| Depth | Temp. °C | Sal. ‰ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|
| 0 | 25.45 | 36.13 | .8 | | 0 | | 0.2 |
| 25 | 25.29 | 36.13 | .3 | | 2 | | 0.8 |
| 50 | 25.25 | 36.13 | .4 | 1.0 | 0 | 2.5 | 0.1 |
| 75 | 25.27 | 36.18 | .6 | 0.1 | 2 | | 0.0 |
| 100 | 25.12 | 36.17 | .3 | 0.1 | 2 | 0.6 | 1.8 |
| 150 | 23.59 | 36.71 | .6 | 0.2 | 1 | 0.8 | |
| 199 | --- | 36.80 | .7 | | 8 | | 0.2 |
| 299 | 17.58 | 36.85 | .9 | 1.8 | 10 | | 0.0 |
| 399 | 15.72 | 36.64 | 3.5 | 0.7 | 19 | | 0.2 |
| 598 | 10.58 | 35.40 | 1.7 | | 30 | | |
| 798 | 6.88 | 34.88 | 2.5 | | 32 | | 0.1 |
| 998 | 5.00 | 34.92 | 2.8 | 1.6 | 7 | | |
| 1298 | 4.33 | 34.97 | 1.7 | | 23 | | 0.4 |
| 1598 | 4.19 | 34.97 | 3.4 | 1.4 | 32 | | 0.3 |
| 1998 | 4.16 | 36.43 | 3.9 | | 31 | | |

STATION NO. 4-2A-31

VALUES AT STANDARD DEPTHS

| Depth | Temp. °C | Sal. ‰ | $\sigma_t$ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|---|
| 0 | 25.45 | 36.13 | 24.08 | 0.8 | | 0 | | 0.2 |
| 10 | 25.40 | 36.13 | 24.09 | 0.6 | | 1 | | 0.4 |
| 20 | 25.30 | 36.13 | 24.12 | 0.4 | | 2 | | 0.7 |
| 30 | 25.26 | 36.13 | 24.14 | 0.3 | | 2 | | 0.7 |
| 50 | 25.25 | 36.13 | 24.14 | 0.4 | 1.0 | 0 | 2.5 | 0.1 |
| 75 | 25.27 | 36.18 | 24.17 | 0.6 | 0.1 | 2 | 9.1 | 0.0 |
| 100 | 25.12 | 36.17 | 24.21 | 0.3 | 0.1 | 2 | 0.6 | 1.8 |
| 150 | 23.59 | 36.71 | 25.08 | 0.6 | 0.2 | 1 | 0.8 | |
| 200 | 20.80 | 36.80 | 25.94 | 0.7 | 0.7 | 8 | | 0.2 |
| 250 | 19.00 | 36.84 | 26.44 | 0.8 | 1.3 | 9 | | 0.1 |
| 300 | 17.56 | 36.85 | 26.81 | 0.9 | 1.8 | 10 | | 0.0 |
| 400 | 15.77 | 36.64 | 27.08 | 3.5 | 0.7 | 19 | 0.0 | 0.2 |
| 500 | 13.01 | 36.13 | 27.28 | 2.6 | | 25 | | |
| 600 | 10.55 | 35.38 | 27.17 | 1.7 | | 30 | | |
| 700 | 8.44 | 35.02 | 27.24 | 2.1 | | 31 | | |
| 800 | 6.80 | 34.88 | 27.37 | 2.5 | | 32 | | 0.1 |
| 1000 | 4.90 | 34.92 | 27.64 | 2.8 | 1.6 | 7 | | |
| 1200 | 4.38 | 34.97 | 27.74 | 2.1 | 1.5 | 18 | | 0.3 |
| 1500 | 4.20 | 34.97 | 27.76 | 2.8 | 1.4 | 29 | 1.0 | 0.3 |
| 2000 | 4.15 | 34.97 | 27.77 | 3.9 | | 31 | | |

STATION NO. 4-2A-32

DATE 23 1 1952 (Day Mo. Year) LAT. 23°24' N. LONG. 83°55' W. TIME 0032 GCT

DEPTH 1250 Faths. MAX. SAMPLE DEPTH 2192 Meters WIRE ANGLE 9 °

WEATHER 00 Code SEA 2 Code SWELL - Direction ° T. - Hgt. ft. - Period sec.

CLOUDS Sc Type 1 Amount TEMP. 77.0 Dry °F. 71.5 Wet °F. BAR. 29.97 in.

REL. HUM. 77 % WIND 090 Direction ° T. 3 Force VIS. 8 Code

OBSERVED VALUES

| Depth | Temp. °C | Sal. ‰ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|
| 0 | 25.55 | 36.02 | 1.1 | 0.1 | 0 | | |
| 24 | 25.58 | 36.07 | 2.2 | 0.0 | 0 | 0.2 | 0.1 |
| 49 | 25.53 | 37.83 | .2 | 0.0 | 0 | 3.3 | |
| 98 | 25.49 | 37.32 | 1.4 | 0.6 | 2 | | 0.1 |
| 148 | 23.53 | 36.69 | 1.1 | | 4 | | |
| 197 | 21.31 | 37.21 | 1.3 | | 8 | | 0.2 |
| 296 | 17.54 | 36.34 | 1.1 | | 11 | | 0.4 |
| 394 | 14.98 | 35.95 | 2.7 | | 18 | | |
| 493 | 12.53 | 35.48 | | 1.1 | 25 | | |
| 593 | 10.38 | 35.21 | 2.2 | 1.7 | 26 | | |
| 792 | 7.00 | 34.88 | 2.3 | 2.0 | 36 | 1.5 | |
| 1092 | 4.86 | 34.88 | 2.1 | 1.7 | 31 | 0.7 | |
| 1392 | 4.29 | 35.79 | 2.0 | 1.2 | 37 | | |
| 1692 | 4.18 | 34.94 | 1.5 | 1.5 | 30 | | |
| 2192 | 4.17 | 34.93 | 1.7 | 1.4 | 29 | | |

STATION NO. 4-2A-32

VALUES AT STANDARD DEPTHS

| Depth | Temp. °C | Sal. ‰ | $\sigma_t$ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|---|
| 0 | 25.55 | 36.02 | 23.96 | 1.1 | 0.1 | 0 | | |
| 10 | 25.55 | 36.04 | 23.98 | 1.6 | 0.1 | 0 | | |
| 20 | 25.57 | 36.06 | 23.99 | 2.0 | 0.0 | 0 | | 0.1 |
| 30 | 25.55 | 36.09 | 24.02 | 1.7 | 0.0 | 0 | 0.9 | 0.1 |
| 50 | 25.50 | 36.18 | 24.10 | 0.2 | 0.0 | 0 | 3.3 | 0.1 |
| 75 | 25.50 | 36.34 | 24.22 | 0.8 | | 1 | | 0.1 |
| 100 | 25.48 | 36.50 | 24.35 | 1.4 | | 2 | | 0.1 |
| 150 | 23.45 | 36.69 | 25.10 | 1.1 | | 4 | | 0.2 |
| 200 | 21.17 | 36.74 | 25.79 | 1.3 | | 8 | | 0.2 |
| 250 | 19.10 | 36.55 | 26.20 | 1.2 | | 10 | | 0.3 |
| 300 | 17.33 | 36.32 | 26.46 | 1.1 | | 11 | | 0.4 |
| 400 | 14.79 | 35.93 | 26.75 | 2.7 | | 18 | | |
| 500 | 12.39 | 35.46 | 26.89 | 2.5 | 1.1 | 25 | | |
| 600 | 10.12 | 35.19 | 27.10 | 2.2 | 1.7 | 26 | | |
| 700 | 8.30 | 34.99 | 27.24 | 2.3 | 1.9 | 31 | | |
| 800 | 6.88 | 34.88 | 27.36 | 2.3 | 2.0 | 36 | 1.5 | |
| 1000 | 5.44 | 34.86 | 27.53 | 2.1 | 1.8 | 33 | 1.0 | |
| 1200 | 4.51 | 34.91 | 27.68 | 2.0 | 1.5 | 33 | 5.8 | |
| 1500 | 4.25 | 34.94 | 27.73 | 1.8 | 1.3 | 34 | | |
| 2000 | 4.18 | 34.94 | 27.74 | 1.6 | 1.4 | 29 | | |

STATION NO. 4-2A-33

DATE 23 1 1952 (Day Mo. Year) LAT. 23°32' N. LONG. 84°32' W. TIME 0658 GCT

DEPTH 1570 Faths. MAX. SAMPLE DEPTH 2258 Meters WIRE ANGLE 25 °

WEATHER 00 Code SEA 3 Code SWELL 180 Direction ° T. 3 Hgt. ft. 3 Period sec.

CLOUDS - Type 0 Amount TEMP. 76.6°F. Dry 71.9°F. Wet BAR. 30.00 in.

REL. HUM. 81 % WIND 180 Direction ° T. 3 Force VIS. 8 Code

OBSERVED VALUES

| Depth | Temp. °C | Sal. ‰ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|
| 0 | 25.95 | 35.91 | .4 | | 1 | | |
| 67 | 25.44 | 36.08 | .3 | 0.0 | 0 | 0.7 | 0.1 |
| 135 | 24.55 | 36.41 | .6 | 0.1 | 3 | 0.2 | |
| 181 | 25.32 | 36.76 | .8 | 0.2 | 8 | | |
| 226 | 20.28 | 36.68 | .4 | 0.2 | 9 | | |
| 272 | 18.78 | 36.56 | .4 | | 18 | | 0.3 |
| 364 | 16.40 | 36.18 | 1.0 | 0.7 | 19 | 4.4 | |
| 409 | 15.05 | 35.99 | .9 | | 17 | | 0.1 |
| 454 | 13.55 | 35.68 | 1.3 | 2.0 | 20 | | 0.2 |
| 500 | 12.25 | 35.50 | 1.6 | | 30 | | |
| 545 | 11.28 | 35.39 | 1.6 | 2.2 | 31 | | |
| 636 | 9.13 | 35.09 | 2.2 | 1.5 | 34 | 0.2 | 0.2 |
| 728 | 7.40 | 34.91 | 2.5 | 2.4 | 41 | | |
| 819 | 6.36 | 34.86 | 2.2 | 1.8 | 35 | | |
| 1094 | 4.86 | 34.91 | 2.4 | 1.6 | 33 | | |
| 1564 | 4.20 | 34.95 | 2.0 | | 24 | | 0.2 |
| 2258 | 4.20 | 34.94 | 2.0 | 2.2 | 19 | 1.9 | |

STATION NO. 4-2A-33

VALUES AT STANDARD DEPTHS

| Depth | Temp. °C | Sal. ‰ | $\sigma_t$ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot Mg/l |
|---|---|---|---|---|---|---|---|---|
| 0 | 25.95 | 35.91 | 23.76 | 0.4 | | 1 | | |
| 10 | 25.92 | 35.93 | 23.78 | 0.4 | | 1 | | |
| 20 | 25.86 | 35.95 | 23.81 | 0.4 | | 1 | | |
| 30 | 25.74 | 35.98 | 23.87 | 0.4 | | 1 | | |
| 50 | 25.57 | 36.03 | 23.96 | 0.3 | | 0 | | |
| 75 | 25.45 | 36.13 | 24.08 | 0.3 | 0.0 | 0 | 0.6 | 0.1 |
| 100 | 25.17 | 36.23 | 24.24 | 0.4 | 0.0 | 1 | 0.5 | |
| 150 | 23.90 | 36.65 | 24.94 | 0.7 | 0.1 | 5 | 0.2 | |
| 200 | 21.30 | 36.74 | 25.75 | 0.6 | 0.2 | 8 | 0.2 | |
| 250 | 19.64 | 36.63 | 26.12 | 0.4 | 0.3 | 9 | 0.9 | 0.3 |
| 300 | 18.26 | 36.45 | 26.33 | 0.6 | 0.6 | 11 | 2.5 | 0.2 |
| 400 | 15.22 | 36.02 | 26.73 | 0.9 | 1.2 | 17 | 5.6 | 0.1 |
| 500 | 12.25 | 35.50 | 26.95 | 1.6 | 2.1 | 30 | 7.2 | 0.2 |
| 600 | 9.94 | 35.20 | 27.14 | 2.0 | 1.8 | 33 | 2.9 | 0.2 |
| 700 | 7.85 | 34.94 | 27.27 | 2.4 | 2.1 | 38 | | |
| 800 | 6.52 | 34.86 | 27.39 | 2.1 | 1.9 | 36 | | |
| 1000 | 5.30 | 34.88 | 27.57 | 2.3 | 1.7 | 34 | | |
| 1200 | 4.65 | 34.94 | 27.69 | 2.3 | 1.7 | 31 | | |
| 1500 | 4.25 | 34.95 | 27.74 | 2.1 | 1.8 | 25 | | 0.2 |
| 2000 | 4.22 | 34.95 | 27.74 | 2.0 | 2.0 | 21 | 1.9 | |

STATION NO. 4-2A-34

DATE 23 1 1952 (Day Mo. Year) LAT. 23°28' N. LONG. 85°17' W. TIME 1353 GCT

DEPTH 1370 Faths. MAX. SAMPLE DEPTH 2389 Meters WIRE ANGLE 6 °

WEATHER 01 Code SEA 2 Code SWELL - Direction ° T. - Hgt. ft. - Period sec.

CLOUDS Ci Cu Type 1 4 Amount TEMP. 77.5 Dry °F. 72.5 Wet °F. BAR. 30.10 in.

REL. HUM. 79 % WIND 135 Direction ° T. 2 Force VIS. 9 Code

OBSERVED VALUES

| Depth | Temp. °C | Sal. ‰ | $PO_4$-P |
|---|---|---|---|
| 0 | 26.49 | 35.86 | 0.1 |
| 10 | 26.47 | 35.78 | 0.0 |
| 25 | 26.50 | 35.84 | 0.0 |
| 50 | 26.46 | 35.89 | 0.0 |
| 75 | 26.48 | 35.84 | 0.0 |
| 148 | 24.24 | 36.54 | 0.1 |
| 198 | 20.38 | 36.80 | 0.2 |
| 248 | 19.48 | 36.56 | --- |
| 297 | 18.02 | 36.40 | --- |
| 396 | 14.96 | 35.87 | 1.0 |
| 446 | 13.84 | 35.71 | 1.0 |
| 496 | 12.55 | 35.46 | 1.1 |
| 545 | 11.11 | 35.37 | --- |
| 595 | 10.08 | 35.19 | 1.4 |
| 694 | 8.45 | 35.20 | 1.7 |
| 793 | 6.93 | 34.82 | 1.9 |
| 893 | 6.02 | 34.93 | 1.7 |
| 1192 | 5.08 | 36.45 | 0.4 |
| 1690 | 4.21 | 34.93 | 1.5 |
| 2389 | 4.20 | 34.90 | 1.7 |

STATION NO. 4-2A-34

VALUES AT STANDARD DEPTHS

| Depth | Temp. °C | Sal. ‰ | $\sigma_t$ | $PO_4$-P |
|---|---|---|---|---|
| 0 | 26.49 | 35.84 | 23.55 | 0.1 |
| 10 | 26.47 | 35.78 | 23.49 | 0.0 |
| 20 | 26.50 | 35.82 | 23.52 | 0.0 |
| 30 | 26.47 | 35.86 | 23.56 | 0.0 |
| 50 | 26.46 | 35.89 | 23.58 | 0.0 |
| 75 | 26.48 | 35.84 | 23.54 | 0.0 |
| 100 | 26.30 | 36.02 | 23.73 | 0.0 |
| 150 | 23.97 | 36.58 | 24.87 | 0.1 |
| 200 | 21.37 | 36.80 | 25.78 | 0.2 |
| 250 | 19.43 | 36.55 | 26.11 | 0.4 |
| 300 | 17.80 | 36.38 | 26.40 | 0.7 |
| 400 | 14.90 | 35.86 | 26.67 | 1.0 |
| 500 | 12.46 | 35.45 | 26.87 | 1.1 |
| 600 | 10.02 | 35.27 | 27.18 | 1.4 |
| 700 | 8.36 | 35.06 | 27.29 | 1.7 |
| 800 | 6.88 | 34.90 | 27.38 | 1.9 |
| 1000 | 5.62 | 34.90 | 27.54 | 1.1 |
| 1200 | 4.99 | 34.92 | 27.63 | 0.4 |
| 1500 | 4.38 | 34.93 | 27.71 | 1.1 |
| 2000 | 4.20 | 34.92 | 27.72 | 1.7 |

STATION NO. 4-2A-34

DATE 23 1 1952 (Day Mo. Year) LAT. 23°28' N. LONG. 85°17' W. TIME 1353 GCT

DEPTH 1370 Faths. MAX. SAMPLE DEPTH 2389 Meters WIRE ANGLE 6 °

WEATHER 01 Code SEA 2 Code SWELL - Direction ° T. - Hgt. ft. - Period sec.

CLOUDS Ci 1 Cu Type 4 Amount TEMP. 77.5 °F. Dry 72.5 °F. Wet BAR. 30.10 in.

REL. HUM. 79 % WIND 135 Direction ° T. 2 Force VIS. 9 Code

OBSERVED VALUES

| Depth | Total $PO_4$-P | Inorg. $PO_4$-P | Carb. Mg/l | $NO_3$-N | Prot. Mg/l |
|---|---|---|---|---|---|
| 0 | .5 | | | 0 | |
| 75 | .5 | 0.0 | 0.7 | 3 | |
| 148 | .9 | 0.1 | | 4 | |
| 198 | .9 | 0.2 | 0.0 | 5 | 0.0 |
| 248 | .8 | | | 12 | |
| 297 | .8 | | | 13 | |
| 396 | 2.3 | 1.0 | | 26 | |
| 446 | 1.4 | 1.0 | | 23 | |
| 496 | 1.7 | 1.1 | | 25 | |
| 545 | 2.1 | | | 27 | |
| 595 | 2.6 | 1.4 | | 36 | |
| 694 | 2.0 | 1.7 | 0.4 | 35 | |
| 793 | 2.2 | 1.9 | 4.8 | 37 | |
| 893 | 3.4 | 1.7 | 0.6 | 32 | |
| 1192 | .8 | 0.4 | | 13 | |
| 1690 | 1.9 | 1.5 | | 32 | |
| 2389 | 2.2 | 1.7 | 0.8 | 34 | |

STATION NO. 4-2A-34

VALUES AT STANDARD DEPTHS

| Depth | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|
| 0 | 0.5 | | 0 | | |
| 10 | 0.5 | | 0 | | |
| 20 | 0.5 | | 1 | | |
| 30 | 0.5 | | 1 | | |
| 50 | 0.5 | | 2 | | |
| 75 | 0.5 | 0.0 | 3 | 0.7 | |
| 100 | 0.6 | 0.0 | 3 | 1.4 | 0.0 |
| 150 | 0.9 | 0.1 | 4 | 2.8 | |
| 200 | 0.9 | 0.2 | 5 | 0.0 | |
| 250 | 0.8 | 0.4 | 12 | 0.0 | |
| 300 | 0.8 | 0.6 | 13 | 0.1 | |
| 400 | 2.2 | 1.0 | 26 | 0.1 | |
| 500 | 1.7 | 1.1 | 25 | | |
| 600 | 2.6 | 1.4 | 36 | | |
| 700 | 2.0 | 1.7 | 35 | 0.4 | |
| 800 | 2.3 | 1.9 | 37 | 4.8 | |
| 1000 | 2.5 | 1.3 | 25 | | |
| 1200 | 0.8 | 0.4 | 13 | | |
| 1500 | 1.5 | 1.1 | 25 | | |
| 2000 | 2.0 | 1.6 | 33 | | |

STATION NO. 4-2A-34A

OBSERVED VALUES

| Depth | Total $PO_4$-P | Inorg. $PO_4$-P | Carb. Mg/l | $NO_3$-N | Prot. Mg/l |
|---|---|---|---|---|---|
| 0 | .5 | 0.1 | | 0 | |
| 10 | .6 | 0.0 | 0.0 | - | |
| 25 | 1.8 | 0.0 | 1.8 | 0 | |
| 50 | .8 | 0.0 | | - | |
| 75 | 3.2 | 0.0 | 0.2 | 0 | |
| 100 | .4 | 0.0 | | 0 | |
| 150 | .4 | | | 6 | |

VALUES AT STANDARD DEPTHS

| Depth | Total $PO_4$-P | Inorg. $PO_4$-P | Carb. Mg/l | $NO_3$-N | Prot. Mg/l |
|---|---|---|---|---|---|
| 0 | 0.5 | 0.1 | | 0 | |
| 10 | 0.6 | 0.0 | 0.0 | 0 | |
| 20 | 1.4 | 0.0 | 1.2 | 0 | |
| 30 | 1.6 | 0.0 | 1.6 | 0 | |
| 50 | 0.8 | 0.0 | 1.0 | 0 | |
| 75 | 3.2 | 0.0 | 0.2 | 0 | |
| 100 | 0.4 | 0.0 | | 0 | |
| 150 | 0.4 | | | 6 | |

STATION NO. 4-2A-35

DATE 23 1 1952 (Day Mo. Year) LAT. 23°30' N. LONG 85°59' W. TIME 2153 GCT

DEPTH 1850 Faths. MAX. SAMPLE DEPTH 457 Meters WIRE ANGLE 39° °

WEATHER 02 Code SEA 2 Code SWELL - Direction ° T. - Hgt. ft. - Period sec.

CLOUDS Ci Cu Type 6 Amount TEMP. 78.5 °F. Dry 72.0 °F. Wet BAR. 30.05 in.

REL. HUM. 73 % WIND 100 Direction ° T. 3 Force VIS. 9 Code

OBSERVED VALUES

| Depth | Temp. °C | Sal. ‰ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|
| 0 | 26.60 | 35.84 | .4 | 0.1 | 0 | | |
| 20 | --- | 35.82 | .7 | 0.1 | 4 | | |
| 40 | 26.40 | 35.89 | .3 | 0.0 | 0 | | |
| 65 | --- | 35.72 | .5 | 1.0 | 0 | | |
| 77 | 25.92 | 36.19 | .5 | 0.0 | 5 | 0.3 | |
| 114 | — | 36.20 | 1.0 | 0.2 | 5 | | |
| 152 | 19.80 | 36.74 | .5 | | 8 | | |
| 188 | 19.35 | 36.63 | 1.1 | 0.0 | 9 | 0.2 | |
| 225 | 18.28 | 36.49 | .7 | 1.1 | 12 | | |
| 261 | 17.36 | 36.19 | 2.8 | 0.4 | 13 | | |
| 294 | 16.20 | 35.34 | 1.0 | | 15 | | 0.2 |
| 327 | 14.82 | 35.91 | 1.2 | 1.1 | 20 | | |
| 357 | 14.06 | 35.84 | 1.4 | 1.0 | 10 | | |
| 385 | 13.27 | 35.66 | 1.9 | 0.9 | 27 | 4.0 | |
| 411 | 12.23 | 35.52 | 1.6 | 1.3 | 24 | | |
| 457 | 10.64 | 35.31 | 2.0 | 2.2 | 38 | | |
| 543 | 8.88 | 35.34 | 2.2 | 1.6 | 34 | 0.0 | |
| 711 | 7.46 | 34.96 | 2.1 | 1.7 | 39 | | 0.4 |
| 921 | 5.66 | 34.95 | 2.2 | 1.6 | 36 | 5.7 | |
| 1295 | 4.35 | 34.99 | 2.1 | 1.4 | 31 | | |

STATION NO: 4-2A-35

VALUES AT STANDARD DEPTHS

| Depth | Temp. °C | Sal. ‰ | $\sigma_t$ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot Mg/l |
|---|---|---|---|---|---|---|---|---|
| 0 | 26.60 | 35.84 | 23.50 | 0.4 | 0.1 | 0 | | |
| 10 | 26.58 | 35.83 | 23.50 | 0.6 | 0.1 | 2 | | |
| 20 | 26.50 | 35.82 | 23.52 | 0.7 | 0.1 | 4 | 0.1 | |
| 30 | 26.45 | 35.85 | 23.55 | 0.5 | 0.1 | 2 | 0.4 | |
| 50 | 26.30 | 35.87 | 23.62 | 0.4 | 0.4 | 0 | 1.0 | |
| 75 | 25.90 | 35.90 | 23.76 | 0.5 | 0.2 | 4 | 0.3 | |
| 100 | 25.08 | 36.20 | 24.24 | 0.8 | 0.1 | 5 | 0.3 | |
| 150 | 21.23 | 36.74 | 25.77 | 0.5 | 0.1 | 8 | 0.2 | |
| 200 | 19.05 | 36.59 | 26.24 | 1.0 | 0.4 | 10 | 1.3 | |
| 250 | 17.68 | 36.30 | 26.36 | 2.2 | 0.6 | 13 | 3.4 | |
| 300 | 15.92 | 36.00 | 26.55 | 1.0 | 0.8 | 16 | 3.6 | 0.2 |
| 400 | 12.75 | 35.59 | 26.92 | 1.7 | 1.1 | 25 | 3.5 | |
| 500 | 9.83 | 35.22 | 27.17 | 2.1 | 1.9 | 36 | 1.1 | |
| 600 | 8.37 | 35.07 | 27.29 | 2.2 | 1.6 | 36 | 0.6 | |
| 700 | 7.54 | 34.96 | 27.33 | 2.1 | 1.7 | 39 | 1.7 | 0.3 |
| 800 | 6.68 | 34.95 | 27.44 | 2.1 | 1.7 | 38 | 3.5 | |
| 1000 | 5.23 | 34.95 | 27.63 | 2.2 | 1.6 | 35 | | |
| 1200 | 4.53 | 34.96 | 27.72 | 2.1 | 1.5 | 32 | | |

STATION NO. 4-2A-36

DATE 24 1 1952 (Day Mo. Year) LAT. 23°28' N. LONG. 86°43' W. TIME 0611 GCT

DEPTH 590 Faths. MAX. SAMPLE DEPTH 1035 Meters WIRE ANGLE 15 °

WEATHER 00 Code SEA 2 Code SWELL - Direction ° T. - Hgt. ft. - Period sec.

CLOUDS - Type 0 Amount TEMP. 78.5°F. Dry 72.5°F. Wet BAR. 30.15 in.

REL. HUM. 75 % WIND 080 Direction ° T. 2 Force VIS. 8 Code

OBSERVED VALUES

| Depth | Temp. ° C. | Sal. ‰ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|
| 0 | 24.44 | 35.96 | .5 | | 0 | | |
| 10 | --- | 35.95 | .3 | 0.0 | 3 | 0.5 | |
| 24 | 24.09 | 36.23 | .4 | | 2 | | |
| 48 | 21.68 | 36.48 | .6 | 0.2 | 7 | | |
| 72 | 18.64 | 36.48 | .7 | | 10 | | |
| 96 | 17.32 | 36.35 | 1.1 | 0.5 | 14 | | |
| 144 | 15.56 | 36.11 | 1.6 | | 22 | | |
| 192 | 13.99 | 35.73 | 1.3 | 1.0 | 11 | | |
| 241 | 12.45 | 35.70 | 1.6 | | 8 | | |
| 290 | 10.49 | 35.45 | 2.5 | 1.6 | 35 | 0.6 | |
| 339 | 9.33 | 35.08 | 2.1 | 1.8 | 10 | 0.2 | |
| 388 | 7.84 | 35.02 | 2.2 | 2.6 | 9 | | 0.6 |
| 487 | 7.14 | 35.16 | 1.9 | | 35 | | |
| 586 | 6.32 | 35.28 | 1.9 | 1.8 | 40 | | |
| 786 | 5.30 | 34.93 | 1.7 | 1.6 | 35 | | |
| 1035 | 4.26 | 35.03 | 2.7 | | 34 | | |

STATION NO. 4-2A-36

VALUES AT STANDARD DEPTHS

| Depth | Temp. °C | Sal. ‰ | $\sigma_t$ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prd. Mg/l |
|---|---|---|---|---|---|---|---|---|
| 0 | 24.44 | 35.96 | 24.26 | 0.5 | | 0 | | |
| 10 | 24.33 | 35.95 | 24.28 | 0.3 | 0.0 | 3 | 0.5 | |
| 20 | 24.15 | 36.10 | 24.45 | 0.4 | 0.1 | 2 | | |
| 30 | 23.85 | 36.37 | 24.74 | 0.5 | 0.1 | 3 | | |
| 50 | 20.25 | 36.48 | 25.84 | 0.6 | 0.2 | 7 | | |
| 75 | 18.45 | 36.48 | 26.31 | 0.8 | 0.4 | 11 | | |
| 100 | 17.00 | 36.33 | 26.55 | 1.1 | 0.5 | 15 | | |
| 150 | 15.40 | 36.07 | 26.72 | 1.6 | 0.8 | 21 | | |
| 200 | 13.80 | 35.66 | 26.76 | 1.3 | 1.0 | 10 | 12.0 | |
| 250 | 12.15 | 35.36 | 26.86 | 1.8 | 1.4 | 13 | | |
| 300 | 10.23 | 35.19 | 27.08 | 2.4 | 1.6 | 30 | 0.5 | |
| 400 | 8.28 | 35.01 | 27.26 | 2.2 | 2.6 | 12 | | 0.6 |
| 500 | 7.00 | 34.98 | 27.42 | 1.9 | 2.2 | 36 | | |
| 600 | 6.22 | 34.96 | 27.51 | 1.9 | 1.8 | 40 | 2.7 | |
| 700 | 5.71 | 34.94 | 27.56 | 1.8 | 1.7 | 37 | | |
| 800 | 5.23 | 34.93 | 27.61 | 1.8 | | 35 | | |
| 1000 | 4.39 | 35.00 | 27.77 | 2.6 | | | | |

STATION NO. 4-2A-37

DATE 24 1 1952 (Day Mo. Year) LAT. 24°31' N. LONG. 85°54' W. TIME 1826 GCT

DEPTH 1850 Faths. MAX. SAMPLE DEPTH 2362 Meters WIRE ANGLE 20 °

WEATHER 02 Code SEA - Code SWELL - Direction ° T. - Hgt. ft. - Period sec.

CLOUDS Cu Type 5 Amount TEMP. 73.3 °F. Dry 70.2 °F. Wet BAR. 30.17 in.

REL. HUM. 86 % WIND 045 Direction ° T. 5 Force VIS. 9 Code

OBSERVED VALUES

| Depth | Temp. °C | Sal. ‰ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|
| 0 | 26.00 | 34.36 | .4 | 0.0 | 0 | | |
| 23 | 23.04 | 36.44 | .3 | 0.0 | 0 | 0.0 | |
| 46 | 22.21 | 36.18 | .5 | 0.0 | 0 | 0.8 | |
| 70 | 20.45 | 36.55 | .7 | | 10 | | |
| 94 | 18.20 | 36.35 | 1.2 | 0.8 | 17 | | |
| 141 | 15.96 | 36.29 | 1.1 | | 17 | | |
| 188 | 14.54 | 36.04 | 1.1 | 0.9 | 25 | 1.5 | |
| 236 | 12.72 | 36.09 | 1.6 | 1.2 | 27 | | |
| 284 | 23.61 | 35.33 | .6 | 0.0 | 4 | | |
| 332 | 10.66 | 35.16 | 1.7 | | 36 | | |
| 380 | 9.83 | 35.01 | 1.7 | | 31 | | |
| 478 | 8.23 | 34.94 | 1.7 | 1.8 | 38 | | 0.0 |
| 575 | 7.05 | 35.66 | 1.9 | 2.0 | 17 | | |
| 870 | 5.08 | 34.95 | 1.9 | 1.9 | 20 | | |
| 1166 | 4.36 | 34.99 | 1.6 | 1.5 | 27 | | 0.4 |
| 1664 | 4.18 | 35.01 | 1.6 | 1.9 | - | 0.4 | |
| 2362 | 4.20 | 34.95 | 2.5 | 1.3 | 24 | 0.2 | |

STATION NO. 4-2A-37

VALUES AT STANDARD DEPTHS

| Depth | Temp. °C | Sal. ‰ | $\sigma_t$ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|---|
| 0 | 26.00 | 34.36 | 22.57 | 0.4 | 0.0 | 0 | | |
| 10 | 25.50 | 35.70 | 23.74 | 0.4 | 0.0 | 0 | | |
| 20 | 23.70 | 36.35 | 24.77 | 0.3 | 0.0 | 0 | 0.0 | |
| 30 | 22.90 | 36.46 | 25.09 | 0.4 | 0.0 | 0 | 0.2 | |
| 50 | 21.90 | 36.53 | 25.43 | 0.5 | 0.1 | 2 | 0.8 | |
| 75 | 20.01 | 36.55 | 25.96 | 0.8 | 0.5 | 11 | 1.0 | |
| 100 | 18.00 | 36.34 | 26.32 | 1.2 | 0.8 | 17 | 1.1 | |
| 150 | 15.75 | 36.28 | 26.81 | 1.1 | 0.9 | 19 | 1.3 | |
| 200 | 13.85 | 35.90 | 26.93 | 1.2 | 1.0 | 26 | | |
| 250 | 12.37 | 35.53 | 26.95 | 1.3 | 0.8 | 20 | | |
| 300 | 11.38 | 35.28 | 26.94 | 1.0 | 0.1 | 15 | | |
| 400 | 9.50 | 34.98 | 27.04 | 1.7 | 1.1 | 32 | | |
| 500 | 7.97 | 34.94 | 27.25 | 1.7 | 1.8 | 32 | | 0.0 |
| 600 | 6.84 | 34.94 | 27.41 | 1.9 | 2.0 | 12 | | |
| 700 | 6.11 | 34.94 | 27.51 | 1.9 | 2.0 | 15 | | |
| 800 | 5.44 | 34.94 | 27.60 | 1.9 | 1.9 | 19 | | |
| 1000 | 4.68 | 34.97 | 27.71 | 1.8 | 1.7 | 23 | | |
| 1200 | 4.28 | 34.99 | 27.77 | 1.6 | 1.5 | 27 | | 0.4 |
| 1500 | 4.18 | 35.01 | 27.80 | 1.6 | 1.8 | 26 | 0.4 | |
| 2000 | 4.18 | 34.99 | 27.78 | 2.0 | 1.6 | 25 | | |

STATION NO. 4-2A-38

DATE 25 1 1952 (Day Mo. Year) LAT. 25°00' N. LONG. 86°00' W. TIME 0112 GCT

DEPTH 1820 Faths. MAX. SAMPLE DEPTH 1038 Meters WIRE ANGLE 45 °

WEATHER - Code SEA - Code SWELL - Direction ° T. - Hgt. ft. - Period sec.

CLOUDS Sc Type 4 Amount TEMP. 71.3°F. Dry 68.6°F. Wet BAR. 30.22 in.

REL. HUM. 88 % WIND 090 Direction ° T. 5 Force VIS. 9 Code

OBSERVED VALUES

| Depth | Temp. °C | Sal. ‰ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|
| 0 | 23.22 | 36.41 | .6 | - | 0 | | |
| 18 | 23.22 | 36.25 | .6 | 0.3 | 0 | 0.0 | |
| 36 | 23.03 | 36.32 | .4 | 0.1 | 0 | 2.8 | |
| 53 | 22.43 | 36.44 | 1.1 | 1.0 | 0 | | |
| 70 | 21.78 | 36.45 | .7 | 0.1 | 5 | | |
| 104 | 18.57 | 36.18 | 1.1 | 0.5 | 5 | 1.3 | |
| 139 | 16.54 | 36.03 | 1.0 | 0.9 | 18 | | 0.4 |
| 173 | 15.36 | 35.71 | 1.1 | | 12 | | 0.0 |
| 208 | 13.83 | 36.42 | 1.7 | 1.0 | 23 | | |
| 241 | 12.52 | 35.57 | 1.4 | 1.0 | 25 | | 0.1 |
| 274 | 11.60 | 35.39 | | 1.1 | 26 | 2.2 | |
| 337 | 9.52 | 35.10 | 1.6 | 1.6 | 33 | 1.9 | |
| 395 | 8.22 | 35.01 | 4.3 | 1.7 | 42 | 1.2 | 0.4 |
| 568 | 6.50 | 35.08 | 2.1 | 1.8 | 37 | 1.0 | |
| 741 | --- | 36.21 | 1.3 | 1.9 | 15 | 1.7 | |
| 1038 | 5.30 | 34.89 | 1.8 | 0.7 | 37 | | |

STATION NO: 4-2A-38

VALUES AT STANDARD DEPTHS

| Depth | Temp. °C | Sal. ‰ | $\sigma_t$ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|---|
| 0 | 23.22 | 36.41 | 24.96 | 0.6 | | 0 | | |
| 10 | 23.22 | 36.31 | 24.88 | 0.6 | | 0 | | |
| 20 | 23.20 | 36.25 | 24.84 | 0.6 | 0.3 | 0 | 0.3 | |
| 30 | 23.14 | 36.21 | 24.83 | 0.5 | 0.1 | 0 | 1.9 | |
| 50 | 22.80 | 36.43 | 25.09 | 1.0 | 0.8 | 0 | 2.6 | |
| 75 | 21.15 | 36.45 | 25.57 | 0.8 | 0.2 | 5 | 1.9 | |
| 100 | 19.00 | 36.30 | 26.03 | 1.1 | 0.4 | 5 | 1.3 | |
| 150 | 16.25 | 35.90 | 26.40 | 1.1 | 0.9 | 16 | 1.5 | 0.3 |
| 200 | 14.25 | 35.64 | 26.65 | 1.6 | 1.0 | 21 | 1.8 | |
| 250 | 12.49 | 35.55 | 26.94 | 1.4 | 1.0 | 25 | 2.1 | 0.1 |
| 300 | 10.87 | 35.21 | 26.98 | 1.5 | 1.3 | 29 | 2.1 | 0.3 |
| 400 | 8.21 | 35.01 | 27.27 | 4.2 | 1.7 | 42 | 1.2 | 0.4 |
| 500 | 7.11 | 34.96 | 27.39 | 3.0 | 1.8 | 39 | 1.1 | |
| 600 | 6.32 | 34.93 | 27.48 | 2.0 | 1.8 | 33 | 1.2 | |
| 700 | 6.03 | 34.91 | 27.50 | 1.5 | 1.9 | 20 | 1.5 | |
| 800 | 5.72 | 34.90 | 27.53 | 1.4 | 1.7 | 20 | | |
| 1000 | 5.35 | 34.89 | 27.57 | 1.7 | 0.9 | 34 | | |

STATION NO. 4-2A-39

DATE 25 1 1952 (Day Mo. Year) LAT. 25°35' N. LONG. 86°13' W. TIME 0927 (GCT)

DEPTH 1750 (Faths.) MAX. SAMPLE DEPTH 589 (Meters) WIRE ANGLE 60 °

WEATHER 01 (Code) SEA 4 (Code) SWELL - (Direction) ° T. - (Hgt.) ft. - (Period) sec.

CLOUDS Sc (Type) 3 (Amount) TEMP. 74.0 (Dry) °F. 70.1 (Wet) °F. BAR. 30.20 in.

REL. HUM. 82 % WIND 140 (Direction) ° T. 4 (Force) VIS. 8 (Code)

OBSERVED VALUES

| Depth | Temp. °C | Sal. ‰ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|
| 0 | 25.32 | 35.95 | .7 | 0.0 | 0 | | |
| 18 | 24.37 | 35.97 | .3 | 0.0 | 0 | | |
| 37 | 25.32 | 36.13 | .3 | 0.0 | 2 | 0.4 | |
| 72 | 25.15 | 36.08 | 1.2 | 0.0 | 0 | | |
| 138 | 23.26 | 36.67 | .8 | | 7 | | 0.2 |
| 198 | 20.64 | 36.74 | .8 | 0.3 | 10 | | |
| 257 | 18.12 | 36.43 | 1.0 | 0.4 | 0 | 5.6 | 0.3 |
| 319 | 15.04 | 35.94 | 1.2 | 0.8 | 18 | 2.0 | 0.7 |
| 358 | 14.72 | 35.91 | 1.0 | 0.9 | 13 | | |
| 406 | 13.18 | 35.70 | 1.9 | 1.2 | 23 | 0.8 | |
| 451 | 10.84 | 35.30 | 2.1 | 1.5 | 31 | | |
| 488 | 9.37 | 36.04 | 3.7 | 0.3 | 4 | 0.6 | |
| 589 | 8.94 | 35.17 | 2.1 | 1.7 | 27 | 0.4 | 0.2 |

STATION NO. 4-2A-39

VALUES AT STANDARD DEPTHS

| Depth | Temp. °C | Sal. ‰ | $\sigma_t$ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|---|
| 0 | 25.32 | 35.95 | 23.98 | 0.7 | 0.0 | 0 | | |
| 10 | 25.31 | 35.96 | 23.99 | 0.5 | 0.0 | 0 | | |
| 20 | 25.31 | 35.97 | 24.00 | 0.3 | 0.0 | 0 | | |
| 30 | 25.30 | 36.05 | 24.06 | 0.3 | 0.0 | 1 | 0.4 | |
| 50 | 25.28 | 36.12 | 24.12 | 0.6 | 0.0 | 1 | | |
| 75 | 25.14 | 36.08 | 24.13 | 1.2 | 0.0 | 0 | | |
| 100 | 24.60 | 36.81 | 24.85 | 1.1 | 0.1 | 3 | | |
| 150 | 22.95 | 36.67 | 25.23 | 0.8 | 0.2 | 6 | | 0.2 |
| 200 | 20.65 | 36.74 | 25.93 | 0.8 | 0.3 | 10 | | 0.3 |
| 250 | 18.50 | 36.51 | 26.32 | 1.0 | 0.4 | 1 | 5.6 | 0.3 |
| 300 | 15.50 | 36.02 | 26.66 | 1.1 | 0.7 | 13 | 3.1 | 0.6 |
| 400 | 13.38 | 35.76 | 26.92 | 1.8 | 1.2 | 22 | 0.8 | |
| 500 | 9.25 | 35.24 | 27.28 | 3.5 | 0.5 | 6 | 0.6 | |

STATION NO. 4-2A-40

DATE 25 1 1952 (Day Mo. Year) LAT. 26°05' N. LONG. 86°05' W. TIME 1906 GCT

DEPTH 1700 Faths. MAX. SAMPLE DEPTH 2575 Meters WIRE ANGLE 15 °

WEATHER 02 Code SEA 4 Code SWELL - Direction ° T. - Hgt. ft. - Period sec.

CLOUDS Sc Type 6 Amount TEMP. 75.8 °F. Dry 70.6 °F. Wet BAR. 30.18 in.

REL. HUM. 78 % WIND 100 Direction ° T. 4 Force VIS. 9 Code

OBSERVED VALUES

| Depth | Temp. °C | Sal. ‰ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|
| 0 | 25.10 | 36.10 | .6 | 0.2 | 7 | 2.9 | |
| 25 | 25.03 | 36.14 | .3 | 0.0 | 0 | 0.2 | |
| 49 | -- | 36.11 | .2 | 0.0 | 0 | | |
| 73 | 25.04 | 36.09 | .5 | | 1 | | 0.0 |
| 98 | 25.05 | 36.65 | .2 | 0.0 | 2 | 0.9 | 0.2 |
| 146 | 23.83 | 36.27 | 1.0 | 0.9 | 5 | 0.0 | 0.0 |
| 194 | 21.49 | 36.40 | | 0.1 | 3 | 0.4 | |
| 243 | 19.54 | 36.37 | .5 | 0.2 | 10 | 1.2 | |
| 292 | 18.24 | 36.40 | .6 | 0.4 | 12 | 1.8 | |
| 341 | 17.02 | 36.09 | 1.0 | 0.6 | 13 | | |
| 390 | 15.90 | 35.87 | .9 | 0.6 | 19 | | |
| 440 | 14.60 | 35.60 | 1.4 | 1.1 | 16 | | 0.1 |
| 489 | 13.30 | 34.79 | 1.4 | 1.0 | 10 | | |
| 586 | 11.10 | 34.79 | 1.7 | 1.5 | 28 | | 0.3 |
| 872 | 6.42 | 34.91 | .8 | 1.9 | 33 | | |
| 1278 | 17.48 | 36.27 | 1.1 | 0.5 | 13 | 0.2 | |
| 1775 | 4.25 | 35.11 | 1.9 | 1.4 | 32 | | |
| 2575 | 4.22 | 34.98 | 2.0 | 1.4 | 28 | | 0.2 |

STATION NO. 4-2A-40

VALUES AT STANDARD DEPTHS

| Depth | Temp. °C | Sal. ‰ | $\sigma_t$ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|---|
| 0 | 25.10 | 36.10 | 24.16 | 0.6 | 0.2 | 7 | 2.9 | |
| 10 | 25.10 | 36.12 | 24.18 | 0.5 | 0.1 | 4 | 1.8 | |
| 20 | 25.08 | 36.14 | 24.20 | 0.4 | 0.0 | 1 | 0.7 | |
| 30 | 25.05 | 36.13 | 24.20 | 0.3 | 0.0 | 0 | 0.2 | |
| 50 | 25.03 | 36.10 | 24.18 | 0.4 | 0.0 | 0 | | |
| 75 | 25.03 | 36.09 | 24.18 | 0.5 | 0.0 | 1 | | 0.0 |
| 100 | 25.04 | 36.65 | 24.60 | 0.2 | 0.0 | 2 | 0.9 | 0.2 |
| 150 | 23.50 | 36.28 | 24.78 | 1.0 | 0.8 | 5 | 0.0 | 0.0 |
| 200 | 21.00 | 36.40 | 25.58 | 0.8 | 0.1 | 4 | 0.4 | |
| 250 | 19.35 | 36.37 | 25.99 | 0.5 | 0.2 | 10 | 1.3 | |
| 300 | 18.14 | 36.39 | 26.32 | 0.7 | 0.4 | 12 | 1.8 | |
| 400 | 15.65 | 35.84 | 26.49 | 1.0 | 0.7 | 18 | 0.2 | 0.1 |
| 500 | 13.13 | 35.20 | 26.54 | 1.4 | 1.1 | 12 | 1.2 | |
| 600 | 10.88 | 34.96 | 26.79 | 1.7 | 1.5 | 28 | 0.5 | 0.3 |
| 700 | 9.22 | 34.92 | 27.04 | 1.3 | 1.7 | 30 | | |
| 800 | 7.47 | 34.91 | 27.30 | 1.0 | 1.8 | 32 | | |
| 1000 | 5.65 | 34.92 | 27.55 | 0.9 | 1.4 | 27 | | |
| 1200 | 4.89 | 34.95 | 27.67 | 1.0 | 0.8 | 17 | 0.2 | |
| 1500 | 4.33 | 34.98 | 27.76 | 1.5 | 0.9 | 21 | | |
| 2000 | 4.23 | 34.98 | 27.77 | 1.9 | 1.4 | 31 | | |
| 2500 | 4.22 | 34.98 | 27.77 | 2.0 | 1.4 | 28 | 0.5 | 0.2 |

STATION NO. 4-2A-41

DATE 26 1 1952 (Day Mo. Year) LAT. 27°00' N. LONG. 85°57' W. TIME 0428 GCT

DEPTH 1700 Faths. MAX. SAMPLE DEPTH 2195 Meters WIRE ANGLE 25 °

WEATHER 01 Code SEA 3 Code SWELL - Direction ° T. - Hgt. ft. - Period sec.

CLOUDS St Type 3 Amount TEMP. 75.0°F. Dry 70.6°F. Wet BAR. 30.20 in.

REL. HUM. 80 % WIND 110 Direction ° T. 3 Force VIS. 8 Code

OBSERVED VALUES

| Depth | Temp. °C | Sal. ‰ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|
| 0 | 25.10 | 36.07 | .6 | 0.1 | 0 | | |
| 23 | 25.07 | 36.05 | 1.2 | 0.1 | 6 | 1.9 | |
| 45 | --- | 36.04 | 1.4 | 0.1 | 1 | 1.8 | 0.8 |
| 68 | 24.37 | 36.27 | 2.2 | 0.0 | 0 | | |
| 90 | 24.03 | 36.43 | 1.0 | 0.0 | 3 | | |
| 135 | 22.55 | 36.78 | 3.1 | 0.2 | 6 | 2.4 | |
| 180 | 20.64 | 36.68 | 3.4 | 0.3 | 9 | | 0.3 |
| 224 | 17.37 | 36.21 | 3.3 | 0.7 | 15 | | |
| 268 | 15.72 | 36.05 | 4.1 | 0.9 | 16 | 0.0 | 0.0 |
| 311 | 14.13 | 35.81 | 3.9 | 1.0 | 25 | 0.7 | |
| 354 | 12.80 | 36.48 | 3.8 | 0.0 | 0 | | |
| 395 | --- | 36.07 | 3.2 | 0.8 | 26 | | |
| 436 | 10.90 | 35.45 | 4.3 | 1.5 | 24 | 0.4 | |
| 516 | 9.32 | 35.16 | 3.2 | 1.6 | 35 | | |
| 760 | 6.34 | 34.97 | 2.5 | 1.7 | 33 | | |
| 1084 | 5.11 | 34.94 | 2.9 | 1.6 | 33 | 0.0 | |
| 1490 | 4.22 | 35.02 | 2.1 | 1.4 | 25 | | |
| 2195 | 4.19 | 35.02 | 5.8 | 1.3 | 34 | | |

STATION NO. 4-2A-41

VALUES AT STANDARD DEPTHS

| Depth | Temp. °C | Sal. ‰ | $\sigma_t$ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|---|
| 0 | 25.10 | 36.07 | 24.14 | 0.6 | 0.1 | 0 | | |
| 10 | 25.09 | 36.06 | 24.13 | 0.9 | 0.1 | 2 | | |
| 20 | 25.08 | 36.05 | 24.13 | 1.1 | 0.1 | 5 | | |
| 30 | 25.02 | 36.04 | 24.14 | 1.3 | 0.1 | 4 | 1.9 | |
| 50 | 24.90 | 36.05 | 24.19 | 1.6 | 0.1 | 1 | 1.8 | 0.8 |
| 75 | 24.25 | 36.37 | 24.62 | 1.8 | 0.0 | 1 | | |
| 100 | 23.90 | 36.60 | 24.90 | 1.5 | 0.0 | 4 | | |
| 150 | 22.25 | 36.77 | 25.51 | 3.2 | 0.2 | 7 | 2.1 | |
| 200 | 18.95 | 36.53 | 26.22 | 3.4 | 0.5 | 12 | 1.2 | 0.2 |
| 250 | 16.33 | 36.11 | 26.54 | 3.7 | 0.8 | 16 | 0.3 | 0.1 |
| 300 | 14.62 | 35.88 | 26.75 | 3.9 | 1.0 | 23 | 0.5 | |
| 400 | 11.65 | 35.55 | 27.10 | 3.3 | 0.9 | 26 | 0.4 | |
| 500 | 9.66 | 35.20 | 27.19 | 3.4 | 1.6 | 33 | | |
| 600 | 8.18 | 35.05 | 27.31 | 3.0 | 1.6 | 34 | | |
| 700 | 6.92 | 34.99 | 27.44 | 2.7 | 1.7 | 33 | | |
| 800 | 6.08 | 34.96 | 27.53 | 2.6 | 1.7 | 33 | | |
| 1000 | 5.06 | 34.95 | 27.65 | 2.8 | 1.6 | 33 | 0.0 | |
| 1200 | 4.52 | 34.97 | 27.73 | 2.7 | 1.5 | 31 | | |
| 1500 | 4.23 | 35.02 | 27.80 | 2.2 | 1.4 | 25 | | |
| 2000 | 4.20 | 35.03 | 27.81 | 4.8 | 1.3 | 32 | | |

STATION NO. 4-2A-42A*

DATE 26 1 1952 (Day Mo. Year) LAT. 27°35" N. LONG. 85°46' W. TIME 1408 GCT

DEPTH 1775 Faths. MAX. SAMPLE DEPTH 2158 Meters WIRE ANGLE 5 °

WEATHER 00 Code SEA 2 Code SWELL - Direction ° T. - Hgt. ft. - Period sec.

CLOUDS Sc Type 1 Amount TEMP. 73.3 Dry °F. 69.3 Wet °F. BAR. 30.20 in.

REL. HUM. 82 % WIND 180 Direction ° T. 3 Force VIS. 8 Code

OBSERVED VALUES

| Depth | Temp. °C | Sal. ‰ |
|---|---|---|
| 0 | 23.05 | 36.46 |
| 10 | 23.05 | 36.25 |
| 40 | 22.82 | 36.49 |
| 75 | 20.97 | 36.71 |
| 100 | 18.61 | 36.01 |
| 150 | 15.90 | 36.13 |
| 200 | 13.98 | 35.84 |
| 250 | 12.60 | 35.59 |
| 300 | 11.22 | 35.43 |
| 400 | 13.73 | 36.51 |
| 450 | 8.54 | 35.08 |
| 500 | 7.69 | 35.05 |
| 700 | 5.87 | 35.07 |
| 900 | 4.99 | 34.95 |
| 1200 | 4.33 | 34.98 |
| 1471 | 4.80 | 35.01 |
| 2158 | 4.20 | 35.30 |

* See note on Station 4-2A-42.

STATION NO. 4-2A-42 *

| OBSERVED VALUES | | | | | |
|---|---|---|---|---|---|
| Depth | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
| 0 | 3.2 | 0.1 | 1 | | |
| 23 | 3.3 | 0.1 | 0 | 0.0 | |
| 47 | .8 | 0.1 | 0 | | |
| 71 | 1.4 | 0.2 | 36 | | |
| 96 | 2.1 | 0.4 | 12 | | 0.2 |
| 143 | 1.9 | 1.0 | 19 | | |
| 189 | .9 | 0.1 | 1 | 0.6 | |
| 234 | 1.4 | 0.4 | 10 | | 0.5 |
| 278 | .4 | 0.7 | 12 | | |
| 321 | .9 | 0.9 | 22 | | |
| 364 | 2.3 | 1.1 | 21 | | 0.3 |
| 405 | 6.4 | 0.1 | 0 | 0.2 | |
| 446 | | 1.2 | 20 | | |
| 526 | 7.5 | 1.5 | 20 | 0.8 | |
| 761 | 3.4 | 1.8 | 36 | | |
| 1076 | 2.9 | 1.4 | 9 | 3.6 | |
| 1471 | .3 | 2.3 | 18 | | 0.3 |
| 2158 | | 1.4 | 31 | 0.7 | |

*There were two casts made at this station, the first including all depths except 47, 1471, and 2158 meters. In this tabulation the values for the latter depths are included in series, and corrected depths are used. This is the same station as Station 42A which is included in the previous table as it appears in the Texas A. and M. reports.

STATION NO. 4-2A-42

VALUES AT STANDARD DEPTHS

| Depth | Temp. °C | Sal. ‰ | $\sigma_t$ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|---|
| 0 | 23.05 | 36.46 | 25.05 | 3.2 | 0.1 | 1 | | |
| 10 | 23.05 | 36.25 | 24.89 | 3.2 | 0.1 | 1 | | |
| 20 | 22.95 | 36.26 | 24.92 | 3.3 | 0.1 | 0 | | |
| 30 | 22.88 | 36.38 | 25.03 | 3.0 | 0.1 | 0 | 0.0 | |
| 50 | 22.74 | 36.56 | 25.21 | 2.2 | 0.1 | 5 | 0.1 | |
| 75 | 20.97 | 36.71 | 25.82 | 1.5 | 0.2 | 32 | 0.2 | |
| 100 | 18.79 | 36.61 | 26.32 | 2.1 | 0.5 | 13 | 0.3 | 0.2 |
| 150 | 15.90 | 36.13 | 26.66 | 1.7 | 0.9 | 16 | 0.4 | |
| 200 | 13.98 | 35.84 | 26.86 | 1.0 | 0.2 | 3 | 0.6 | |
| 250 | 12.60 | 35.59 | 26.95 | 1.0 | 0.5 | 11 | 0.5 | 0.5 |
| 300 | 11.22 | 35.43 | 27.09 | 0.6 | 0.8 | 17 | 0.4 | 0.4 |
| 400 | 9.37 | 35.18 | 27.22 | 5.9 | 0.2 | 3 | 0.2 | 0.3 |
| 500 | 7.69 | 35.05 | 27.38 | 7.3 | 1.4 | 20 | 0.8 | |
| 600 | 6.58 | 34.98 | 27.48 | 6.2 | 1.6 | 25 | | |
| 700 | 5.87 | 34.94 | 27.54 | 4.5 | 1.7 | 32 | | |
| 800 | 5.38 | 34.94 | 27.60 | 3.3 | 1.7 | 33 | | |
| 1000 | 4.70 | 34.96 | 27.70 | 3.0 | 1.5 | 16 | 3.6 | |
| 1200 | 4.33 | 34.98 | 27.76 | 2.5 | 1.7 | 12 | | |
| 1500 | 4.20 | 35.01 | 27.79 | 1.5 | 2.3 | 19 | | 0.3 |
| 2000 | 4.20 | 35.03 | 27.81 | | 1.5 | 28 | 0.7 | |

STATION NO. 4-2A-43

DATE 26 1 1952 (Day Mo. Year) LAT. 28°10' N. LONG. 86°00' W. TIME 2049 GCT

DEPTH 375 Faths. MAX. SAMPLE DEPTH 595 Meters WIRE ANGLE 10 °

WEATHER 00 Code SEA 3 Code SWELL - Direction ° T. - Hgt. ft. - Period sec.

CLOUDS Cu Type 4 Amount TEMP. 74.5 Dry °F. 71.4 Wet °F. BAR. 30.12 in.

REL. HUM. 86 % WIND 135 Direction ° T. 4 Force VIS. 8 Code

OBSERVED VALUES

| Depth | Temp. °C | Sal. ‰ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|
| 0 | 22.88 | 36.35 | 1.2 | 0.4 | 11 | | |
| 10 | 22.82 | 36.07 | 1.2 | 0.6 | 15 | | |
| 25 | 22.79 | 36.40 | 6.3 | | | | 0.0 |
| 50 | 22.77 | 36.42 | 1.1 | | | | |
| 75 | 21.07 | 36.15 | 1.4 | | | | |
| 99 | 19.70 | 36.48 | 1.3 | | | | |
| 124 | 17.86 | 36.31 | 1.9 | 0.8 | | | |
| 148 | 15.98 | 36.04 | .1 | 1.9 | 16 | 0.2 | |
| 198 | 14.40 | 35.99 | .7 | | 10 | | 0.4 |
| 247 | --- | 36.36 | 3.0 | | 3 | | |
| 296 | 11.08 | 35.37 | 2.6 | 1.5 | 2 | | |
| 396 | 8.88 | 35.06 | 3.7 | 1.8 | 37 | | |
| 496 | 7.54 | 34.96 | 3.9 | 1.9 | 26 | | |
| 595 | 6.25 | 34.81 | 3.9 | 2.0 | 35 | | |

STATION NO. 4-2A-43

VALUES AT STANDARD DEPTHS

| Depth | Temp. °C | Sal. ‰ | $\sigma_t$ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|---|
| 0 | 22.88 | 36.35 | 25.01 | 1.2 | 0.4 | | | |
| 10 | 22.82 | 36.07 | 24.82 | 1.2 | 0.6 | 0 | | |
| 20 | 22.78 | 36.35 | 25.04 | 4.5 | | 0 | | 0.0 |
| 30 | 22.78 | 36.41 | 25.09 | 5.2 | | 1 | | 0.0 |
| 50 | 22.77 | 36.42 | 25.10 | 1.1 | | 4 | | |
| 75 | 21.07 | 36.51 | 25.64 | 1.4 | | 4 | | |
| 100 | 19.70 | 36.48 | 25.99 | 1.3 | | 11 | | |
| 150 | 16.00 | 36.04 | 26.56 | 0.1 | 1.9 | 16 | | |
| 200 | 14.38 | 35.99 | 26.89 | 0.8 | 1.8 | 10 | | 0.4 |
| 250 | 12.67 | 35.76 | 27.07 | 3.0 | 1.6 | 3 | | |
| 300 | 11.02 | 35.35 | 27.06 | 2.6 | 1.5 | 4 | | |
| 400 | 8.85 | 35.05 | 27.20 | 3.7 | 1.8 | 37 | | |
| 500 | 7.47 | 34.95 | 27.33 | 3.9 | 1.9 | 26 | | |
| 600 | | | | 3.9 | 2.0 | | | |

STATION NO. 4-2A-44

DATE 27 1 1952 (Day Mo. Year) LAT. 28°10' N. LONG. 86°45' W. TIME 0359 GCT

DEPTH 1000 Faths. MAX. SAMPLE DEPTH 1836 Meters WIRE ANGLE 22 °

WEATHER 01 Code SEA - Code SWELL - Direction ° T. - Hgt. ft. - Period sec.

CLOUDS Sc Type 3 Amount TEMP. 73.7°F. Dry 70.8°F. Wet BAR. 30.11 in.

REL. HUM. 86 % WIND 140 Direction ° T. 3 Force VIS. 8 Code

OBSERVED VALUES

| Depth | Temp. °C | Sal. ‰ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|
| 0 | 23.00 | 36.38 | 1.2 | 0.0 | 0 | | |
| 23 | 22.89 | 36.34 | 3.6 | 0.0 | 1 | | 0.2 |
| 47 | 22.52 | 36.36 | 2.0 | 0.0 | 1 | 2.7 | |
| 70 | 22.19 | 36.36 | 3.5 | 1.3 | 3 | | |
| 93 | 20.18 | 36.44 | 1.2 | 0.3 | 9 | | 0.1 |
| 163 | 16.37 | 36.16 | 1.8 | | 14 | | 0.2 |
| 232 | 13.81 | 35.73 | 1.8 | 0.9 | 20 | | 0.5 |
| 302 | 11.79 | 35.42 | 3.0 | 1.4 | 26 | | |
| 372 | 10.01 | 35.19 | 2.1 | 1.6 | 30 | | 0.0 |
| 442 | 8.91 | 35.23 | 1.2 | 1.7 | 31 | 0.2 | |
| 513 | 8.28 | 35.26 | 1.3 | 1.9 | 33 | 0.9 | |
| 655 | 6.29 | 34.94 | 1.7 | | 36 | | |
| 943 | 5.01 | 35.06 | 1.6 | 1.7 | 32 | | 0.0 |
| 1234 | 4.32 | 35.13 | | 1.5 | 26 | 2.6 | |
| 1537 | 5.41 | 35.19 | | 0.1 | 2 | 1.9 | 1.4 |
| 1836 | 4.20 | 36.60 | | 1.5 | 24 | 1.5 | 0.4 |

STATION NO. 4-2A-44

VALUES AT STANDARD DEPTHS

| Depth | Temp. °C | Sal. ‰ | $\sigma_t$ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|---|
| 0 | 23.00 | 36.38 | 25.00 | 1.2 | 0.0 | 0 | | |
| 10 | 22.95 | 36.36 | 25.00 | 2.2 | 0.0 | 0 | | |
| 20 | 22.90 | 36.34 | 25.00 | 3.3 | 0.0 | 1 | | 0.2 |
| 30 | 22.80 | 36.34 | 25.03 | 3.1 | 0.0 | 1 | | 0.2 |
| 50 | 22.50 | 36.36 | 25.13 | 2.1 | 0.2 | 1 | 2.7 | |
| 75 | 21.95 | 36.36 | 25.28 | 2.9 | 1.1 | 4 | | |
| 100 | 19.75 | 36.44 | 25.94 | 1.3 | 0.3 | 9 | | 0.1 |
| 150 | 17.00 | 36.36 | 26.57 | 1.7 | 0.5 | 13 | | 0.2 |
| 200 | 15.00 | 35.90 | 26.68 | 1.8 | 0.8 | 17 | | 0.4 |
| 250 | 13.32 | 35.65 | 26.85 | 2.1 | 1.0 | 22 | | |
| 300 | 11.85 | 35.45 | 26.99 | 3.0 | 1.4 | 26 | | |
| 400 | 9.56 | 35.13 | 27.15 | 1.7 | 1.6 | 30 | | 0.0 |
| 500 | 8.47 | 35.02 | 27.24 | 1.3 | 1.9 | 33 | 0.8 | |
| 600 | 7.00 | 34.95 | 27.40 | 1.5 | 1.9 | 35 | | |
| 700 | 6.00 | 34.94 | 27.53 | 1.7 | 1.8 | 35 | | |
| 800 | 5.55 | 34.95 | 27.59 | 1.6 | 1.8 | 34 | | |
| 1000 | 4.78 | 34.99 | 27.71 | | 1.7 | 31 | | 0.0 |
| 1200 | 4.31 | --- | --- | | 1.5 | 27 | | |
| 1500 | 4.30 | --- | --- | | 0.3 | 5 | 2.0 | 1.4 |

STATION NO. 4-2A-45

DATE 27 1 1952 (Day Mo. Year) LAT. 28°02' N. LONG. 87°29' W. TIME 1114 GCT

DEPTH 1490 Faths. MAX. SAMPLE DEPTH 2442 Meters WIRE ANGLE 14 °

WEATHER 00 Code SEA 2 Code SWELL 120 Direction ° T. 3 Hgt. ft. 6 Period sec.

CLOUDS Cu Type 1 Amount TEMP. 73.2 Dry °F. 70.7 Wet °F. BAR. 30.00 in.

REL. HUM. 88 % WIND 180 Direction ° T. 2 Force VIS. 8 Code

OBSERVED VALUES

| Depth | Temp. °C | Sal. ‰ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|
| 0 | 22.50 | 36.15 | | 0.2 | 0 | | |
| 10 | --- | 36.13 | 0.7 | 0.0 | 4 | | |
| 24 | 22.47 | 36.15 | 1.0 | 0.1 | 2 | | |
| 48 | 22.79 | 36.71 | 1.0 | 0.1 | 2 | | |
| 72 | 20.78 | 35.86 | 0.6 | 0.0 | 4 | 1.3 | |
| 96 | 21.01 | 36.64 | 0.9 | 0.3 | 6 | 1.1 | 0.2 |
| 144 | 16.92 | 36.41 | 1.0 | 0.6 | 17 | 0.0 | |
| 215 | 13.64 | 35.90 | 1.6 | 1.1 | 20 | 0.7 | 0.6 |
| 286 | 11.50 | 35.96 | 1.1 | 1.2 | 24 | | |
| 357 | 10.02 | 35.43 | 1.3 | 1.4 | 29 | 1.5 | |
| 427 | --- | 36.30 | 1.2 | 0.6 | 18 | 1.1 | |
| 496 | 13.88 | 35.72 | 1.4 | 1.1 | 22 | 1.2 | 0.1 |
| 565 | 10.53 | 35.41 | 1.4 | 1.5 | 33 | 0.0 | |
| 634 | 9.31 | 35.08 | 1.4 | 1.8 | 34 | | |
| 794 | 6.36 | 34.88 | 1.3 | 1.9 | 34 | | |
| 1158 | 4.46 | 34.94 | 2.7 | 1.4 | 35 | 0.3 | |
| 1666 | 4.19 | 35.10 | 2.0 | 1.5 | 27 | 0.6 | |
| 2442 | 4.21 | 35.10 | 2.0 | | 27 | | 0.0 |

STATION NO. 4-2A-45

VALUES AT STANDARD DEPTHS

| Depth | Temp. °C | Sal. ‰ | $\sigma_t$ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot Mg/l |
|---|---|---|---|---|---|---|---|---|
| 0 | 22.50 | 36.15 | 24.97 | - | 0.2 | 0 | | |
| 10 | 22.40 | 36.13 | 24.98 | .7 | 0.0 | 4 | | |
| 20 | 22.45 | 36.16 | 24.99 | .9 | 0.1 | 3 | | |
| 30 | 22.70 | 36.38 | 25.09 | 1.0 | 0.1 | 2 | | |
| 50 | 22.40 | 36.71 | 25.42 | 1.0 | 0.1 | 2 | 1.9 | |
| 75 | 20.86 | 36.68 | 25.83 | .7 | 0:0 | 4 | 1.3 | |
| 100 | 20.00 | 36.63 | 26.02 | .9 | 0.3 | 7 | 1.0 | 0.2 |
| 150 | 16.70 | 36.38 | 26.66 | 1.0 | 0.6 | 17 | 0.1 | |
| 200 | 14.25 | 36.00 | 26.92 | 1.5 | 1.0 | 19 | 0.6 | |
| 250 | 12.45 | 35.70 | 27.06 | 1.4 | 1.1 | 22 | 3.4 | 0.5 |
| 300 | 11.11 | 35.52 | 27.18 | 1.1 | 1.2 | 25 | 5.3 | |
| 400 | 9.40 | 35.15 | 27.19 | 1.2 | 0.9 | 22 | 1.3 | |
| 500 | 7.99 | 34.97 | 27.27 | 1.4 | 1.1 | 23 | 1.1 | 0.1 |
| 600 | 6.65 | 34.89 | 27.40 | 1.4 | 1.7 | 34 | | |
| 700 | 5.85 | 34.88 | 27.50 | 1.4 | 1.8 | 34 | | |
| 800 | 5.32 | 34.88 | 27.56 | 1.3 | 1.9 | 34 | | |
| 1000 | 4.70 | 34.90 | 27.65 | 2.1 | 1.6 | 35 | | |
| 1200 | 4.40 | 34.95 | 27.73 | 2.7 | 1.4 | 34 | 0.3 | |
| 1500 | 4.21 | 35.06 | 27.83 | 2.2 | 1.5 | 30 | 0.5 | |
| 2000 | 4.19 | 35.11 | 27.87 | 2.0 | | 27 | | |

STATION NO. 4-2A-46

DATE 27 1 1952 (Day Mo. Year) LAT. 27°58' N. LONG. 88°15' W. TIME 1828 GCT

DEPTH 1300 Faths. MAX. SAMPLE DEPTH 2148 Meters WIRE ANGLE 22 °

WEATHER 01 (Code) SEA 4 (Code) SWELL - (Direction) ° T. 8 (Hgt.) .ft. 5 (Period) sec.

CLOUDS Cu (Type) 2 (Amount) TEMP. 78.2 (Dry) °F. 74.1 (Wet) °F. BAR. 29.97 in.

REL. HUM. 83 % WIND 180 (Direction) ° T. 4 (Force) VIS. 8 (Code)

OBSERVED VALUES

| Depth | Temp. °C | Sal. ‰ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|
| 0 | 23.52 | 36.35 | 0.9 | 0.1 | 1 | | 0.2 |
| 9 | 23.48 | 36.36 | 0.5 | 0.1 | 2 | | 0.1 |
| 23 | -- | 36.43 | 0.5 | 0.0 | 0 | 1.8 | |
| 46 | 22.57 | 36.26 | | | 3 | | 0.3 |
| 69 | 22.58 | 36.51 | 0.6 | 0.1 | 2 | 0.0 | |
| 92 | 22.56 | 37.03 | 1.0 | | 1 | | 0.2 |
| 137 | 21.67 | 36.22 | 1.4 | 0.2 | 7 | | 0.0 |
| 205 | 17.25 | 36.17 | 1.9 | 0.6 | 14 | | 0.3 |
| 273 | 14.30 | 35.52 | 2.0 | 1.1 | 20 | | |
| 340 | 12.10 | 35.68 | 1.2 | 1.4 | 23 | 3.0 | |
| 408 | 23.15 | 35.34 | 1.6 | 0.0 | 20 | 2.7 | 0.1 |
| 476 | 13.79 | 35.30 | 1.3 | 1.3 | 7 | 0.3 | 1.0 |
| 544 | 7.72 | 35.13 | 1.1 | 1.4 | - | | |
| 611 | 6.98 | 35.01 | 1.3 | 1.8 | 34 | | |
| 770 | 5.74 | 36.52 | 1.5 | 1.8 | 38 | | |
| 1135 | 4.53 | 36.64 | 1.7 | 1.5 | 33 | 0.6 | |
| 1510 | 6.71 | --- | 1.1 | 0.3 | 11 | 0.6 | |
| 2148 | 4.18 | 35.25 | 1.3 | 1.5 | 33 | 2.8 | |

STATION NO. 4-2A-46

VALUES AT STANDARD DEPTHS

| Depth | Temp. °C | Sal. ‰ | $\sigma_t$ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|---|
| 0 | 23.52 | 36.35 | 24.82 | 0.9 | 0.1 | 1 | 6.6 | 0.2 |
| 10 | 23.30 | 36.37 | 24.90 | 0.5 | 0.1 | 2 | 4.5 | 0.1 |
| 20 | 22.90 | 36.41 | 25.05 | 0.5 | 0.0 | 0 | 2.4 | 0.2 |
| 30 | 22.65 | 36.45 | 25.15 | 0.5 | 0.0 | 1 | 1.5 | 0.2 |
| 50 | 22.60 | 36.48 | 25.19 | 0.6 | 0.1 | 3 | 0.7 | 0.3 |
| 75 | 22.60 | 36.51 | 25.21 | 0.7 | 0.1 | 2 | 0.2 | |
| 100 | 22.50 | 36.42 | 35.17 | 1.1 | 0.1 | 2 | 0.9 | 0.2 |
| 150 | 20.95 | 36.22 | 25.45 | 1.5 | 0.3 | 8 | 2.0 | 0.0 |
| 200 | 17.65 | 36.18 | 26.28 | 1.9 | 0.6 | 13 | | 0.3 |
| 250 | 15.13 | 36.06 | 26.78 | 2.0 | 0.9 | 18 | | |
| 300 | 13.35 | 35.85 | 27.00 | 1.7 | 1.2 | 21 | 2.8 | |
| 400 | 10.50 | 35.38 | 27.18 | 1.5 | 0.2 | 20 | 2.8 | 0.1 |
| 500 | 8.45 | 35.24 | 27.41 | 1.2 | 1.3 | 12 | | 1.0 |
| 600 | 7.13 | 35.03 | 27.44 | 1.2 | 1.7 | 32 | | |
| 700 | 6.22 | (34.94) | 27.50 | 1.4 | 1.8 | 36 | | |
| 800 | 5.53 | (34.94) | 27.59 | 1.5 | 1.8 | 38 | | |
| 1000 | 4.87 | (34.99) | 27.70 | 1.6 | 1.6 | 35 | | |
| 1200 | 4.48 | -- | -- | 1.6 | 1.3 | 29 | 0.6 | |
| 1500 | 4.41 | -- | -- | 1.1 | 0.3 | 12 | 0.6 | |
| 2000 | 4.30 | -- | -- | 1.3 | 1.2 | 28 | 2.3 | |

() Extrapolated values.

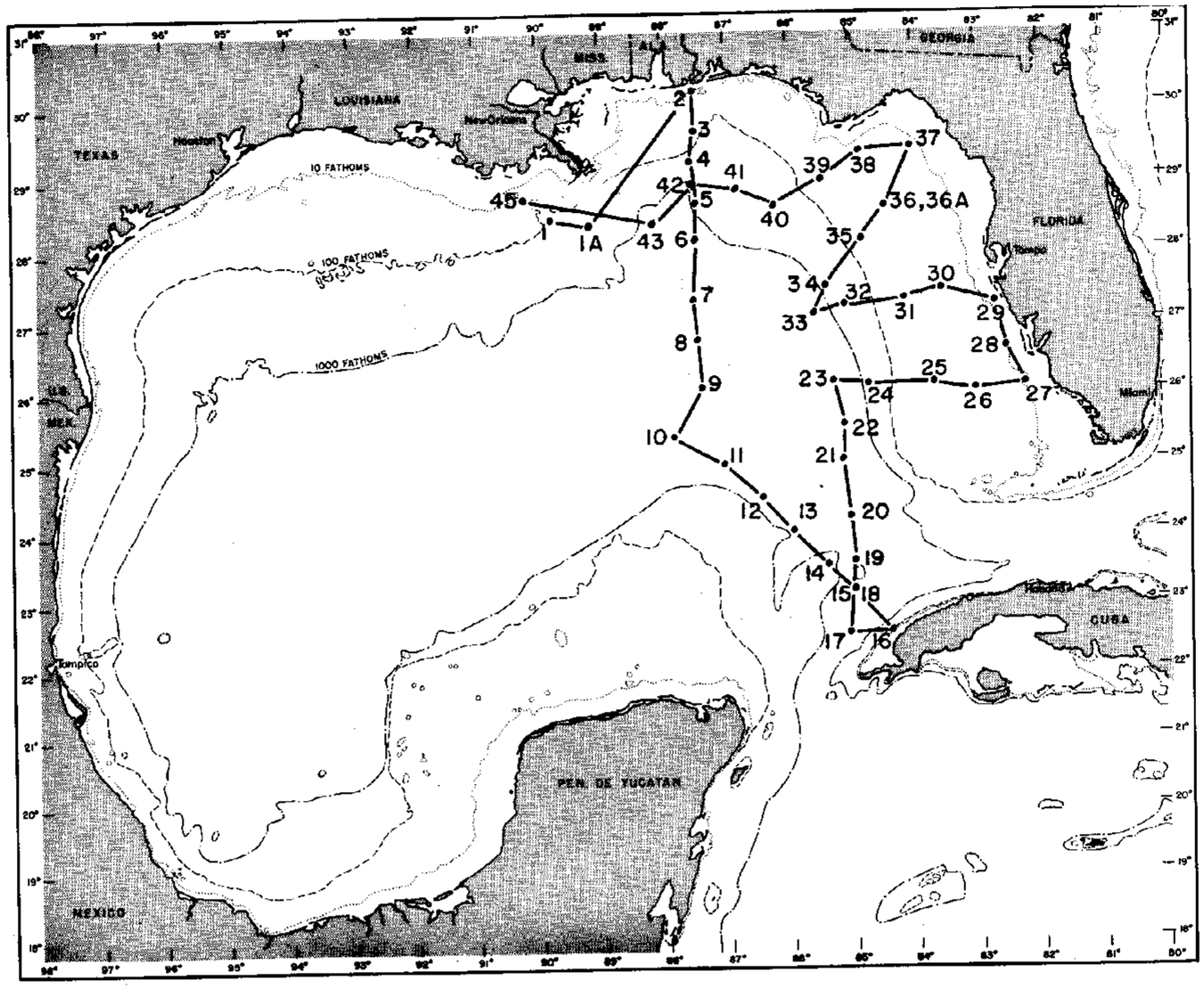


Figure 19.--Locations of stations occupied on Cruise 5-2C.

STATION NO. 5-2C-1

DATE 22 5 1952 LAT. 28° 24' N. LONG. 89° 42' W.
Day Month Year

TIME 0642 DEPTH 400 MAX. SAMPLE DEPTH - WIRE ANGLE 25°
GCT Faths. Meters

WATER COLOR 00 WEATHER 01 SEA 1 SWELL - ° T. - °F.
Code Code Code Direction Hgt.

- sec. CLOUDS - 0 TEMP. 75.4 °F. 73.9°F.
Period Type Amount Dry Wet

BAR. 29.98 in. REL. HUM. 96 % WIND 140 ° T. 2 VIS. 9
Direction Force Code

OBSERVED VALUES

| Depth | Temp. °C | Sal. ‰ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|
| 0 | 23.82 | 30.52 | 1.4 | 0.5 | 1 | 1.0 | 0.7 |
| 8 | 23.82 | *36.34 | 1.8 | 0.5 | 2 | 1.5 | 0.2 |
| 22 | 23.40 | 36.15 | 0.9 | 0.0 | 2 | 0.0 | 0.0 |
| 45 | 22.08 | 36.39 | --- | 0.1 | 0 | 0.4 | 0.4 |
| 68 | 20.45 | 36.36 | 1.4 | 0.1 | 2 | 0.8 | 0.1 |
| 90 | 19.54 | 36.44 | 1.2 | 0.5 | 7 | 0.2 | 0.2 |
| 134 | 16.16 | 36.13 | 2.7 | 1.0 | 12 | 0.4 | 0.6 |
| 179 | 14.70 | 35.90 | 1.7 | 1.0 | 13 | 1.0 | 0.2 |
| 222 | 14.05 | 35.93 | 2.2 | 1.0 | -- | 1.6 | 0.3 |
| 266 | --- | 35.63 | 1.7 | 1.3 | 13 | 0.5 | 0.3 |
| 311 | 12.37 | 35.57 | 1.8 | 1.2 | 15 | 0.2 | 0.2 |
| 355 | 12.21 | 35.52 | 2.4 | 1.2 | 19 | 0.8 | 0.2 |
| 399 | 11.32 | 35.43 | 2.3 | 1.4 | 11 | 1.1 | 0.2 |
| 446 | 10.33 | *35.91 | 1.9 | 0.9 | 12 | 0.7 | 0.3 |
| 543 | *11.48 | 35.07 | 3.4 | 1.7 | 15 | 1.3 | 0.2 |

*Values not used in drawing smooth curves.

STATION NO. 5-2C-1

VALUES AT STANDARD DEPTHS

| Depth | Temp. °C | Sal. ‰ | $\sigma_t$ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|---|
| 0 | 23.82 | 30.52 | 20.33 | 1.4 | 0.5 | 1 | 1.0 | 0.7 |
| 10 | 23.82 | 34.10 | 23.04 | 1.8 | 0.4 | 2 | 1.3 | 0.2 |
| 20 | 23.65 | 36.15 | 24.64 | 0.9 | 0.1 | 2 | 0.2 | 0.0 |
| 30 | 22.90 | 36.38 | 25.03 | 1.0 | 0.0 | 1 | 0.1 | 0.1 |
| 50 | 21.70 | 36.38 | 25.37 | 1.1 | 0.1 | 0 | 0.5 | 0.3 |
| 75 | 20.05 | 36.34 | 25.79 | 1.3 | 0.2 | 4 | 0.6 | 0.1 |
| 100 | 19.14 | 36.26 | 25.97 | 1.5 | 0.6 | 8 | 0.2 | 0.3 |
| 150 | 15.54 | 36.02 | 26.66 | 2.3 | 1.0 | 12 | 0.6 | 0.5 |
| 200 | 14.42 | 35.81 | 26.74 | 1.9 | 1.0 | 13 | 1.3 | 0.2 |
| 250 | 13.56 | 35.66 | 26.81 | 1.9 | 1.2 | 13 | 0.9 | 0.3 |
| 300 | 12.62 | 35.59 | 26.95 | 1.8 | 1.2 | 14 | 0.3 | 0.2 |
| 400 | 11.31 | 35.42 | 27.06 | 2.3 | 1.4 | 11 | 1.1 | 0.2 |
| 500 | (9.58) | 35.18 | 27.18 | 2.6 | 1.3 | 14 | 1.0 | 0.2 |

() Extrapolated values.

STATION NO. 5-2C-2

DATE 24 5 1952 (Day Month Year) LAT. 30° 08' N. LONG. 87° 30' W.

TIME 0729 (GCT) DEPTH 12 (Faths.) MAX. SAMPLE DEPTH -- (Meters) WIRE ANGLE 10 °

WATER COLOR -- (Code) WEATHER 01 (Code) SEA 2 (Code) SWELL -- (Direction) ° T. 0 (Hgt.) ft.

-- (Period) sec. CLOUDS -- (Type) -- (Amount) TEMP. 77.1 (Dry) °F. 75.0 (Wet) °F.

BAR. 29.99 in. REL. HUM. 91 % WIND 160 (Direction) ° T. 3 (Force) VIS. -- (Code)

OBSERVED VALUES

| Depth | Temp. °C | Sal. ‰ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|
| 0 | 24.92 | 31.98 | 0.8 | 0.0 | 1 | 1.1 | 0.4 |
| 9 | 21.84 | 34.88 | 1.8 | 0.1 | 1 | 1.0 | 0.3 |
| 19 | 20.61 | 36.18 | 1.2 | 0.2 | 2 | 0.4 | 0.4 |

VALUES AT STANDARD DEPTHS

| Depth | Temp. °C | Sal. ‰ | $\sigma_t$ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|---|
| 0 | 24.92 | 31.98 | 21.11 | 0.8 | 0.0 | 1 | 1.1 | 0.4 |
| 10 | 21.40 | 35.32 | 24.65 | 1.8 | 1.0 | 1 | 0.9 | 0.3 |
| 20 | (19.60) | (36.20) | 25.80 | 1.2 | 0.2 | 2 | | |

() Extrapolated values

STATION NO. 5-2C-3

DATE 24 5 1952 (Day Month Year) LAT. 29° 38' N. LONG. 87° 29' W.

TIME 1148 (GCT) DEPTH 35 (Faths.) MAX. SAMPLE DEPTH -- (Meters) WIRE ANGLE 0 °

WATER COLOR 60 (Code) WEATHER 01 (Code) SEA 2 (Code) SWELL 190 (Direction) ° T. 3 (Hgt.) ft.

-- (Period) sec. CLOUDS Ci (Type) Cu (Type) 3 (Amount) TEMP. 79.4 (Dry) °F. 76.9 (Wet) °F.

BAR. 30.01 in. REL. HUM. 91 % WIND 180 (Direction) ° T. 3 (Force) VIS. 9 (Code)

OBSERVED VALUES

| Depth | Temp. °C | Sal. ‰ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|
| 0 | 24.97 | 33.04 | 3.8 | 0.0 | 0 | 1.4 | 1.0 |
| 10 | 22.88 | 34.76 | 0.8 | 0.0 | 1 | 1.2 | 0.2 |
| 25 | 21.50 | 36.40 | 0.8 | 0.0 | 1 | 0.4 | 0.4 |
| 55 | 19.90 | 36.31 | 0.8 | 1.3 | 5 | 0.7 | 0.3 |

VALUES AT STANDARD DEPTHS

| Depth | Temp. °C | Sal. ‰ | $\sigma_t$ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|---|
| 0 | 24.97 | 33.04 | 21.89 | 3.8 | 0.0 | 0 | 1.4 | 1.0 |
| 10 | 22.88 | 34.76 | 23.81 | 0.8 | 0.0 | 1 | 1.2 | 0.2 |
| 20 | 21.90 | 35.57 | 24.70 | 0.8 | 0.0 | 1 | 0.7 | 0.3 |
| 30 | 21.05 | 36.40 | 25.57 | 0.8 | 0.0 | 2 | 0.5 | 0.4 |
| 50 | 20.12 | 36.34 | 25.77 | 0.8 | 0.3 | 4 | 0.7 | 0.3 |

STATION NO. 5-2C-4

DATE 24 5 1952 LAT. 29° 10' N. LONG. 87° 29' W.
Day Month Year

TIME 1654 DEPTH 650 MAX. SAMPLE DEPTH -- WIRE ANGLE 6 °
GCT Faths. Meters

WATER COLOR 10 WEATHER 01 SEA 1 SWELL 160 ° T. 2 ft.
Code Code Code Direction Hgt.

6 sec. CLOUDS Cs,Cb 3 TEMP. 84.1 °F. 78.2 °F.
Period Type Amount Dry Wet

BAR. 30.06 in. REL. HUM. 76 % WIND 270 ° T. 2 VIS. 9
Direction Force Code

OBSERVED VALUES

| Depth | Temp. °C | Sal. ‰ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|
| 0 | 26.58 | 34.69 | 1.0 | 0.0 | 1 | 0.4 | 0.1 |
| 9 | 24.74 | 35.98 | 1.0 | 0.1 | 1 | 0.7 | 0.2 |
| 24 | 23.84 | 36.41 | 0.7 | 0.1 | 1 | --- | 0.2 |
| 49 | 22.38 | *36.42 | 0.8 | 0.0 | 2 | 1.0 | 0.4 |
| 99 | 20.06 | --- | --- | --- | - | --- | --- |
| 149 | 17.05 | *36.74 | 1.4 | 0.8 | 9 | 0.6 | 0.1 |
| 198 | 15.40 | 36.12 | 2.2 | 1.1 | 5 | 0.4 | 0.1 |
| 298 | 13.11 | 35.68 | 2.0 | 1.2 | 15 | 0.7 | 0.4 |
| 399 | 11.36 | 35.33 | 2.5 | 1.6 | 26 | 0.0 | 0.7 |
| 498 | 9.80 | 35.21 | 3.9 | 1.9 | 18 | 0.2 | 0.8 |
| 598 | 6.91 | 34.93 | 3.0 | 1.8 | 26 | 0.5 | 0.3 |
| 697 | 5.83 | 34.89 | 5.1 | 1.9 | 31 | --- | 0.0 |
| 797 | 5.31 | 34.93 | 4.0 | 1.8 | 18 | 0.4 | --- |
| 897 | 5.00 | 34.93 | 2.2 | 1.8 | 17 | 0.8 | 0.0 |
| 998 | 4.76 | 34.94 | 3.7 | 1.5 | 16 | 0.2 | 1.2 |

*Values not used in drawing smooth curves.

STATION NO. 5-2C-4

VALUES AT STANDARD DEPTHS

| Depth | Temp. °C | Sal. ‰ | $\sigma_t$ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|---|
| 0 | 26.58 | 34.69 | 22.64 | 1.0 | 0.0 | 1 | 0.4 | 0.1 |
| 10 | 24.73 | 35.98 | 24.19 | 1.0 | 0.1 | 1 | 0.7 | 0.2 |
| 20 | 24.18 | 36.20 | 24.52 | 0.8 | 0.1 | 1 | 0.8 | 0.2 |
| 30 | 23.55 | 36.42 | 24.87 | 0.7 | 0.1 | 1 | 0.9 | 0.2 |
| 50 | 22.36 | 36.62 | 25.37 | 0.8 | 0.0 | 2 | 1.0 | 0.4 |
| 75 | 21.16 | 36.69 | 25.76 | 0.9 | 0.2 | 4 | 0.9 | 0.3 |
| 100 | 20.04 | 36.66 | 26.04 | 1.1 | 0.4 | 6 | 0.8 | 0.3 |
| 150 | 17.03 | 36.44 | 26.63 | 1.4 | 0.8 | 9 | 0.6 | 0.1 |
| 200 | 15.35 | 36.12 | 26.78 | 2.2 | 1.1 | 5 | 0.4 | 0.1 |
| 250 | 14.15 | 35.85 | 26.83 | 2.1 | 1.1 | 10 | 0.5 | 0.3 |
| 300 | 13.09 | 35.67 | 26.91 | 2.0 | 1.2 | 15 | 0.7 | 0.4 |
| 400 | 11.35 | 35.33 | 26.99 | 2.5 | 1.6 | 26 | 0.0 | 0.7 |
| 500 | 9.73 | 35.20 | 27.17 | 3.9 | 1.9 | 18 | 0.2 | 0.8 |
| 600 | 6.85 | 34.93 | 27.40 | 3.0 | 1.8 | 26 | 0.5 | 0.3 |
| 700 | 5.81 | 34.89 | 27.51 | 5.1 | 1.9 | 31 | 0.4 | 0.0 |
| 800 | 5.29 | 34.93 | 27.61 | 4.0 | 1.8 | 18 | 0.4 | 0.0 |
| 1000 | (4.75) | (34.94) | 27.68 | 3.7 | 1.5 | 16 | 0.2 | 1.2 |

()Extrapolated values.

STATION NO. 5-2C-5

DATE 24 5 1952 (Day Month Year) LAT. 28° 37' N. LONG. 87° 29' W.

TIME 2233 (GCT) DEPTH 840 (Faths.) MAX. SAMPLE DEPTH -- (Meters) WIRE ANGLE 0 °

WATER COLOR 00 (Code) WEATHER 01 (Code) SEA 2 (Code) SWELL 160 (Direction) ° T. 3 (Hgt.) ft.

7 (Period) sec. CLOUDS Ac,Cu (Type) 3 (Amount) TEMP. 79.9 (Dry) °F. 76.9 (Wet) °F.

BAR. 30.00 in. REL. HUM. 87 % WIND 140 (Direction) ° T. 2 (Force) VIS. 9 (Code)

OBSERVED VALUES

| Depth | Temp. °C | Sal. ‰ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|
| 0 | 26.95 | 35.23 | 0.8 | 0.1 | 1 | 0.6 | 0.4 |
| 10 | 25.31 | 35.70 | 2.2 | 0.1 | 1 | 0.2 | 0.6 |
| 25 | 23.95 | *36.38 | 0.4 | 0.3 | 1 | 0.0 | 0.3 |
| 50 | 23.16 | *36.31 | 1.6 | 0.1 | 0 | 0.3 | 0.0 |
| 100 | 21.28 | *37.29 | 0.6 | 0.1 | 1 | 0.0 | 0.0 |
| 150 | 19.31 | 36.64 | 1.2 | 0.4 | 8 | 0.2 | 0.5 |
| 200 | 16.92 | 36.33 | 2.6 | 0.7 | 13 | 0.0 | 0.1 |
| 251 | 15.37 | *36.92 | 2.3 | 1.1 | 15 | 0.4 | 0.2 |
| 301 | 13.66 | 35.75 | 1.6 | 1.3 | 16 | 0.0 | 0.1 |
| 401 | 10.84 | *35.86 | 2.8 | 1.6 | 25 | 0.0 | 0.1 |
| 501 | 9.00 | --- | 4.0 | --- | 29 | 0.2 | 0.3 |
| 602 | 7.47 | 34.94 | 3.0 | 2.3 | 17 | 0.1 | 0.2 |
| 801 | 6.39 | 34.89 | 2.7 | 2.1 | 20 | 0.4 | 0.4 |
| 1000 | 4.97 | 34.97 | 2.1 | 2.0 | 25 | 0.0 | 0.0 |
| 1200 | 4.43 | 35.05 | 2.0 | 1.8 | 25 | 0.3 | 0.1 |
| 1501 | 4.22 | 35.07 | 2.4 | 1.4 | 22 | 0.3 | 0.6 |

*Values not used in drawing smooth curves.

STATION NO. 5-2C-5

VALUES AT STANDARD DEPTHS

| Depth | Temp. °C | Sal. °C | $\sigma_t$ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|---|
| 0 | 26.95 | 35.23 | 22.93 | 0.8 | 0.1 | 1 | 0.6 | 0.4 |
| 10 | 25.31 | 35.70 | 23.90 | 2.2 | 0.1 | 1 | 0.2 | 0.6 |
| 20 | 24.25 | 35.92 | 24.29 | 1.0 | 0.2 | 1 | 0.1 | 0.4 |
| 30 | 23.84 | 36.21 | 24.63 | 0.6 | 0.3 | 1 | 0.1 | 0.2 |
| 50 | 23.16 | 36.69 | 25.19 | 1.6 | 0.1 | 0 | 0.3 | 0.0 |
| 75 | 22.25 | 36.78 | 25.52 | 1.1 | 0.1 | 1 | 0.2 | 0.0 |
| 100 | 21.28 | 36.79 | 25.80 | 0.6 | 0.1 | 1 | 0.0 | 0.0 |
| 150 | 19.31 | 36.64 | 26.22 | 1.2 | 0.4 | 8 | 0.2 | 0.5 |
| 200 | 16.92 | 36.33 | 26.57 | 2.6 | 0.7 | 13 | 0.0 | 0.1 |
| 250 | 15.39 | 36.08 | 26.74 | 2.3 | 1.1 | 15 | 0.4 | 0.2 |
| 300 | 13.67 | 35.76 | 26.87 | 1.6 | 1.3 | 16 | 0.0 | 0.1 |
| 400 | 10.85 | 35.36 | 27.11 | 2.8 | 1.6 | 25 | 0.0 | 0.1 |
| 500 | 9.00 | 35.10 | 27.22 | 4.0 | 1.9 | 29 | 0.2 | 0.3 |
| 600 | 7.49 | 34.94 | 27.32 | 3.0 | 2.3 | 17 | 0.1 | 0.2 |
| 700 | 6.95 | 34.90 | 27.37 | 2.9 | 2.2 | 18 | 0.3 | 0.3 |
| 800 | 6.40 | 34.89 | 27.43 | 2.7 | 2.1 | 20 | 0.4 | 0.4 |
| 1000 | 4.97 | 34.97 | 27.68 | 2.1 | 2.0 | 25 | 0.0 | 0.0 |
| 1200 | 4.43 | 35.05 | 27.80 | 2.0 | 1.8 | 25 | 0.3 | 0.1 |
| 1500 | 4.24 | 35.07 | 27.84 | 2.4 | 1.4 | 22 | 0.3 | 0.6 |

STATION NO. 5-2C-6

DATE 25 5 1952 LAT. 28° 04' N. LONG. 87° 31' W.
Day Month Year

TIME 0624 DEPTH --- MAX. SAMPLE DEPTH --- WIRE ANGLE 25°
GCT Faths. Meters

WATER COLOR 00 WEATHER -- SEA 2 SWELL -- ° T. -- ft.
Code Code Code Direction Hgt.

-- sec. CLOUDS -- -- TEMP. 78.6 °F. 74.2 °F.
Period Type Amount Dry Wet

BAR. 30.00 in. REL. HUM. 79 % WIND 120 ° T. 2 VIS. --
Direction Force Code

OBSERVED VALUES

| Depth | Temp. °C | Sal. ‰ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|
| 0 | 25.76 | 35.41 | 0.6 | 0.0 | 1 | 0.0 | 0.4 |
| 22 | 23.82 | *37.47 | 0.6 | 0.1 | 1 | 0.7 | 0.5 |
| 45 | 23.26 | *37.45 | 0.4 | 0.0 | 0 | 0.5 | 0.1 |
| 89 | 22.36 | *37.68 | 1.2 | 0.1 | 1 | 0.4 | 0.6 |
| 134 | 19.67 | --- | --- | 0.5 | 8 | 0.0 | 0.2 |
| 177 | 17.54 | 36.53 | 1.0 | 0.6 | 9 | 0.0 | 0.3 |
| 220 | 16.34 | *36.51 | 2.0 | 0.2 | 4 | 0.7 | 0.5 |
| 262 | 15.07 | 36.09 | 3.8 | 1.0 | 14 | 0.7 | 0.0 |
| 345 | 12.46 | 35.62 | 2.4 | 1.3 | 18 | 1.3 | 0.3 |
| 512 | 8.98 | 35.12 | 2.3 | 1.9 | 29 | 0.8 | 0.6 |
| 675 | 6.58 | 34.94 | 2.0 | 1.8 | 25 | 0.2 | 0.1 |
| 835 | 5.47 | 34.96 | 1.8 | 2.1 | 25 | 1.0 | 0.2 |
| 1074 | 4.64 | 34.97 | 1.7 | 1.8 | 23 | 0.5 | 0.3 |
| 1407 | 4.27 | 35.01 | 1.6 | 1.5 | 24 | 0.0 | 0.2 |
| 1850 | 4.18 | *35.97 | 1.6 | 1.6 | 18 | 1.0 | 0.0 |
| 2527 | 4.20 | *36.13 | 1.8 | 1.4 | 27 | 0.6 | 3.2 |

*Values not used in drawing smooth curves.

STATION NO: 5-2C-6

VALUES AT STANDARD DEPTHS

| Depth | Temp. °C | Sal. ‰ | $\sigma_t$ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|---|
| 0 | 25.76 | 35.41 | 23.44 | 0.6 | 0.0 | 1 | 0.0 | 0.4 |
| 10 | 25.40 | 35.61 | 23.70 | 0.6 | 0.0 | 1 | 0.3 | 0.4 |
| 20 | 23.95 | 35.88 | 24.34 | 0.6 | 0.1 | 1 | 0.6 | 0.5 |
| 30 | 23.60 | 36.25 | 24.73 | 0.5 | 0.1 | 1 | 0.6 | 0.4 |
| 50 | 23.18 | 36.58 | 25.10 | 0.5 | 0.0 | 0 | 0.5 | 0.2 |
| 75 | 22.65 | 36.71 | 25.35 | 0.9 | 0.1 | 1 | 0.4 | 0.4 |
| 100 | 22.00 | 36.71 | 25.54 | 1.1 | 0.2 | 3 | 0.3 | 0.5 |
| 150 | 18.85 | 36.62 | 26.32 | 1.0 | 0.5 | 8 | 0.0 | 0.2 |
| 200 | 16.95 | 36.42 | 26.64 | 1.5 | 0.3 | 6 | 0.4 | 0.4 |
| 250 | 15.45 | 36.15 | 26.78 | 3.3 | 0.7 | 11 | 0.7 | 0.1 |
| 300 | 13.85 | 35.87 | 26.91 | 3.2 | 1.1 | 16 | 1.0 | 0.1 |
| 400 | 11.18 | 35.41 | 27.08 | 2.4 | 1.5 | 22 | 1.1 | 0.4 |
| 500 | 9.15 | 35.15 | 27.23 | 2.3 | 1.9 | 28 | 0.8 | 0.6 |
| 600 | 7.53 | 35.00 | 27.36 | 2.2 | 1.9 | 27 | 0.5 | 0.4 |
| 700 | 6.35 | 34.94 | 27.48 | 2.0 | 1.8 | 25 | 0.3 | 0.1 |
| 800 | 5.64 | 34.95 | 27.58 | 1.8 | 2.0 | 25 | 0.8 | 0.2 |
| 1000 | 4.82 | 34.97 | 27.69 | 1.7 | 1.9 | 24 | 0.6 | 0.3 |
| 1200 | 4.46 | 34.98 | 27.74 | 1.7 | 1.7 | 23 | 0.3 | 0.3 |
| 1500 | 4.23 | (35.02) | (27.80) | 1.6 | 1.5 | 23 | 0.2 | 0.2 |
| 2000 | 4.18 | (35.03) | (27.81) | 1.6 | 1.6 | 20 | 0.9 | 0.7 |
| 2500 | 4.20 | --- | --- | 1.7 | 1.4 | 27 | 0.6 | 3.1 |

() Extrapolated values.

STATION NO. 5-2C-7

DATE 25 5 1952 LAT. 27° 18' N. LONG. 87° 30' W.
Day Month Year

TIME 1501 DEPTH 1500 MAX. SAMPLE DEPTH -- WIRE ANGLE 24°
GCT Faths. Meters

WATER COLOR 00 WEATHER 01 SEA 1 SWELL 160 ° T. 2 ft.
Code Code Code Direction Hgt.

6 sec. CLOUDS Cs 1 TEMP. 84.0 °F. 76.1 °F.
Period Type Amount Dry Wet

BAR. 30.01 in. REL. HUM. 69 % WIND 160 ° T. 2 VIS. 9
Direction Force Code

OBSERVED VALUES

| Depth | Temp. °C | Sal. ‰ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|
| 0 | 26.41 | 34.85 | 0.4 | 0.1 | 0 | 0.2 | 0.7 |
| 22 | 24.69 | 36.53 | 0.8 | 0.1 | 0 | 2.1 | 0.6 |
| 45 | 22.13 | 36.44 | 0.4 | 0.0 | 1 | 0.0 | 0.2 |
| 91 | 18.68 | * 37.75 | 1.0 | 0.5 | 11 | 0.0 | 0.1 |
| 136 | 15.92 | 36.42 | 0.8 | 0.7 | 10 | 0.0 | 0.0 |
| 182 | 14.04 | 36.11 | 2.3 | 1.1 | 12 | 1.2 | 0.1 |
| 226 | 12.74 | * 37.19 | 1.4 | 1.0 | 15 | 0.2 | 0.1 |
| 272 | 11.65 | * 36.69 | 1.7 | 1.5 | 17 | 0.4 | 1.4** |
| 362 | 9.43 | * 36.92 | --- | 1.8 | -- | 0.2 | 0.7 |
| 542 | 6.74 | 34.97 | 2.3 | 2.2 | -- | 1.7 | 0.1 |
| 723 | 5.48 | * 35.05 | 2.2 | 2.0 | -- | 0.0 | 0.3 |
| 903 | 4.81 | 34.99 | 2.7 | 1.8 | 26 | 0.4 | 0.1 |
| 1173 | 4.29 | * 35.19 | 2.4 | 1.6 | 27 | 0.8 | 0.0 |
| 1540 | 4.18 | 35.05 | 1.8 | 1.4 | 6 | 0.0 | 0.3 |
| 2016 | 4.17 | 35.01 | 1.6 | 1.4 | 22 | 0.4 | 0.1 |
| 2707 | 4.19 | 35.01 | 1.7 | 1.7 | 19 | 1.2 | 0.6 |

* Values not used in drawing smooth curves.
** Sample contaminated with ethylene glycol.

STATION NO. 5-2C-7

VALUES AT STANDARD DEPTHS

| Depth | Temp. °C | Sal. ‰ | $\sigma_t$ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|---|
| 0 | 26.41 | 34.85 | 22.81 | 0.4 | 0.1 | 0 | 0.2 | 0.7 |
| 10 | 26.11 | 35.77 | 23.60 | 0.6 | 0.1 | 0 | 1.1 | 0.7 |
| 20 | 24.71 | 36.53 | 24.61 | 0.8 | 0.1 | 0 | 1.9 | 0.6 |
| 30 | 23.62 | 36.52 | 24.93 | 0.7 | 0.1 | 0 | 1.4 | 0.5 |
| 50 | 21.72 | 36.44 | 25.42 | 0.5 | 0.1 | 2 | 0.0 | 0.2 |
| 75 | 19.80 | 36.43 | 25.93 | 0.8 | 0.3 | 8 | 0.0 | 0.1 |
| 100 | 18.27 | 36.43 | 26.32 | 1.0 | 0.5 | 11 | 0.0 | 0.1 |
| 150 | 15.23 | 36.35 | 26.98 | 1.3 | 0.8 | 11 | 0.4 | 0.0 |
| 200 | 13.42 | 36.00 | 27.10 | 1.9 | 1.1 | 13 | 0.8 | 0.1 |
| 250 | 12.11 | 35.77 | 27.19 | 1.6 | 1.3 | 16 | 0.3 | 0.2 |
| 300 | 10.92 | 35.54 | 27.23 | 1.8 | 1.6 | -- | 0.3 | 0.4 |
| 400 | 8.76 | 35.24 | 27.36 | 2.0 | 1.9 | -- | 0.5 | 0.6 |
| 500 | 7.23 | 35.03 | 27.43 | 2.2 | 2.1 | -- | 1.3 | 0.2 |
| 600 | 6.27 | 34.95 | 27.50 | 2.3 | 2.1 | -- | 1.2 | 0.2 |
| 700 | 5.58 | 34.94 | 27.58 | 2.2 | 2.0 | -- | 0.2 | 0.3 |
| 800 | 5.14 | 34.97 | 27.65 | 2.4 | 1.9 | -- | 0.2 | 0.2 |
| 1000 | 4.58 | 35.00 | 27.75 | 2.6 | 1.7 | 26 | 0.5 | 0.1 |
| 1200 | 4.28 | 35.02 | 27.79 | 2.4 | 1.6 | 25 | 0.7 | 0.0 |
| 1500 | 4.20 | 35.05 | 27.82 | 1.9 | 1.4 | 8 | 0.1 | 0.3 |
| 2000 | 4.17 | 35.01 | 27.80 | 1.6 | 1.4 | 21 | 0.4 | 0.1 |
| 2500 | -- | --- | --- | 1.7 | 1.6 | 20 | 0.9 | 0.5 |

STATION NO. 5-2C-8

DATE 25 5 1952 LAT. 26° 39' N. LONG. 87° 30' W.
Day Month Year

TIME 2124 DEPTH 1600 MAX. SAMPLE DEPTH -- WIRE ANGLE 14°
GCT Faths. Meters

WATER COLOR - WEATHER 01 SEA 0 SWELL 280 ° T. 3 ft.
Code Code Code Direction Hgt.

5 sec. CLOUDS Ci.Cs 2 TEMP. 78.3 °F. 74.8 °F.
Period Type Amount Dry Wet

BAR. 29.96 in. REL. HUM. 87 % WIND -- ° T. 0 VIS. 9
Direction Force Code

OBSERVED VALUES

| Depth | Temp. °C | Sal. ‰ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|
| 0 | 26.73 | 35.70 | 0.6 | 0.0 | 1 | 0.4 | 0.6 |
| 9 | 24.92 | 36.33 | 0.4 | 0.1 | 2 | 0.5 | 0.2 |
| 24 | 24.12 | 36.80 | 0.3 | 0.0 | 0 | 0.4 | 0.4 |
| 49 | 22.54 | 36.45 | 0.4 | 0.0 | 1 | 0.0 | 0.4 |
| 74 | 21.26 | 36.55 | 0.4 | 0.1 | 2 | 0.2 | 0.1 |
| 99 | 19.77 | 36.60 | 0.9 | 0.4 | 5 | 0.7 | 0.2 |
| 148 | 17.37 | 36.36 | 0.8 | 0.8 | 9 | 1.3 | 0.4 |
| 192 | 15.74 | 36.11 | 1.2 | 1.0 | 14 | 0.2 | 0.2 |
| 240 | 13.89 | 35.81 | 1.7 | 1.0 | 13 | 0.6 | 0.1 |
| 288 | 12.08 | 35.59 | 1.8 | 1.5 | 16 | --- | 0.8 |
| 384 | 9.93 | 35.41 | 2.2 | 1.6 | 19 | 0.8 | 0.5 |
| 575 | 7.07 | *36.00 | 2.4 | 1.9 | 28 | 0.2 | 0.2 |
| 765 | 5.57 | *35.97 | 2.5 | 2.2 | 26 | 0.8 | 0.0 |
| 954 | 4.84 | *35.95 | 2.2 | 1.8 | 15 | 0.3 | 0.7 |
| 1237 | 4.26 | *35.16 | 2.0 | 1.6 | 18 | 0.0 | 0.5 |
| 1620 | 4.16 | 35.03 | 1.9 | 1.4 | 21 | 0.2 | 0.1 |
| 2106 | 4.19 | 35.07 | 2.4 | --- | 22 | 0.1 | 0.0 |
| 2778 | 4.22 | 34.92 | 2.7 | 1.7 | 21 | 0.8 | 0.3 |

* Values not used in drawing smooth curves.

STATION NO. 5-2C-8

VALUES AT STANDARD DEPTHS

| Depth | Temp. °C | Sal. ‰ | $\sigma_t$ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|---|
| 0 | 26.73 | 35.70 | 23.35 | 0.6 | 0.0 | 1 | 0.4 | 0.6 |
| 10 | 24.85 | 36.45 | 24.51 | 0.4 | 0.1 | 2 | 0.5 | 0.2 |
| 20 | 24.26 | 36.79 | 24.94 | 0.3 | 0.0 | 1 | 0.4 | 0.3 |
| 30 | 23.79 | 36.73 | 25.04 | 0.3 | 0.0 | 0 | 0.3 | 0.4 |
| 50 | 22.50 | 36.45 | 25.20 | 0.4 | 0.0 | 1 | 0.0 | 0.4 |
| 75 | 21.26 | 36.56 | 25.63 | 0.4 | 0.1 | 2 | 0.2 | 0.1 |
| 100 | 19.68 | 36.60 | 26.09 | 0.9 | 0.4 | 5 | 0.7 | 0.2 |
| 150 | 17.27 | 36.35 | 26.51 | 0.8 | 0.7 | 9 | 1.2 | 0.4 |
| 200 | 15.43 | 36.06 | 26.71 | 1.3 | 1.0 | 14 | 0.6 | 0.2 |
| 250 | 13.52 | 35.75 | 26.88 | 1.7 | 1.1 | 14 | 0.6 | 0.2 |
| 300 | 11.72 | 35.55 | 27.09 | 1.9 | 1.5 | 16 | 0.7 | 0.8 |
| 400 | 9.68 | 35.38 | 27.32 | 2.2 | 1.6 | 20 | 0.7 | 0.5 |
| 500 | 8.07 | 35.15 | 27.40 | 2.3 | 1.8 | 24 | 0.4 | 0.2 |
| 600 | 6.81 | 34.99 | 27.45 | 2.4 | 1.9 | 28 | 0.3 | 0.1 |
| 700 | 6.01 | 34.97 | 27.54 | 2.5 | 1.8 | 27 | 0.6 | 0.1 |
| 800 | 5.40 | 34.96 | 27.62 | 2.4 | 2.1 | 24 | 0.7 | 0.1 |
| 1000 | 4.73 | 34.95 | 27.69 | 2.2 | 1.8 | 15 | 0.3 | 0.7 |
| 1200 | 4.32 | 34.96 | 27.74 | 2.0 | 1.6 | 18 | 0.0 | 0.5 |
| 1500 | 4.20 | 35.02 | 27.80 | 1.9 | 1.5 | 20 | 0.1 | 0.2 |
| 2000 | 4.18 | 35.06 | 27.83 | 2.3 | - | 22 | 0.1 | 0.0 |

STATION NO. 5-2C-9

DATE 26 5 1952 LAT. 26° 00' N. LONG. 87° 30' W.
Day Month Year

TIME 0553 DEPTH 1650 MAX. SAMPLE DEPTH --- WIRE ANGLE 19 °
GCT Faths. Meters

WATER COLOR 00 WEATHER 01 SEA 0 SWELL -- ° T. 2 ft.
Code Code Code Direction Hgt.

-- sec. CLOUDS -- -- TEMP. 79.0 °F. 74.0 °F.
Period Type Amount Dry Wet

BAR. 29.95 in. REL. HUM. 79 % WIND 160 ° T. 1 VIS. --
Direction Force Code

OBSERVED VALUES

| Depth | Temp. °C | Sal. ‰ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|
| 0 | 25.74 | 35.46 | 0.7 | 0.0 | 0 | --- | 0.3 |
| 23 | 23.72 | 35.90 | 0.4 | 0.1 | 1 | 0.4 | 0.0 |
| 47 | 21.94 | 36.35 | 1.6 | 0.1 | 0 | 0.6 | 0.5 |
| 94 | 19.80 | 36.44 | 0.8 | 0.2 | 7 | 0.2 | 0.3 |
| 142 | 16.81 | 36.29 | 2.5 | 0.7 | 12 | 1.1 | 0.4 |
| 189 | 15.15 | 36.02 | 1.5 | 0.8 | 14 | 0.2 | 0.2 |
| 236 | 13.66 | 35.79 | 1.8 | 1.1 | 21 | 0.8 | 0.1 |
| 283 | 12.21 | 35.64 | 1.8 | 1.4 | 19 | 1.2 | 0.3 |
| 377 | 10.03 | 35.25 | 2.1 | 1.7 | 25 | 0.2 | 0.3 |
| 564 | 7.33 | 34.97 | 2.4 | 2.1 | 30 | 0.4 | 0.1 |
| 751 | 5.88 | 34.97 | 2.4 | 1.8 | 30 | 0.8 | 0.1 |
| 937 | 4.96 | 34.99 | 2.3 | 1.7 | 21 | 0.0 | 0.4 |
| 1216 | 4.36 | 34.99 | 2.4 | 2.3 | 22 | 0.6 | --- |
| 1593 | 4.21 | 35.03 | 2.2 | 1.5 | 22 | 0.6 | 0.0 |
| 2079 | 4.18 | 35.03 | 1.8 | 1.3 | 21 | 0.4 | 0.0 |

STATION NO. 5-2C-9

VALUES AT STANDARD DEPTHS

| Depth | Temp. °C | Sal. ‰ | $\sigma_t$ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|---|
| 0 | 25.74 | 35.46 | 23.48 | 0.7 | 0.0 | 0 | | 0.3 |
| 10 | 25.15 | 35.65 | 23.81 | 0.6 | 0.1 | 0 | | 0.2 |
| 20 | 24.25 | 35.84 | 24.23 | 0.4 | 0.1 | 1 | | 0.0 |
| 30 | 23.27 | 36.21 | 24.80 | 0.8 | 0.1 | 1 | 0.5 | 0.1 |
| 50 | 21.76 | 36.36 | 25.34 | 1.5 | 0.1 | 0 | 0.6 | 0.5 |
| 75 | 20.55 | 36.43 | 25.72 | 1.1 | 0.2 | 3 | 0.4 | 0.4 |
| 100 | 19.46 | 36.43 | 26.02 | 1.0 | 0.3 | 7 | 0.3 | 0.3 |
| 150 | 16.50 | 36.25 | 26.61 | 2.3 | 0.7 | 12 | 1.0 | 0.4 |
| 200 | 14.75 | 35.96 | 26.79 | 1.6 | 0.9 | 16 | 0.3 | 0.2 |
| 250 | 13.20 | 35.75 | 26.96 | 1.8 | 1.2 | 20 | 0.9 | 0.2 |
| 300 | 11.83 | 35.56 | 27.08 | 1.9 | 1.5 | 20 | 1.0 | 0.3 |
| 400 | 9.62 | 35.22 | 27.21 | 2.1 | 1.7 | 26 | 0.2 | 0.3 |
| 500 | 8.17 | 35.05 | 27.31 | 2.3 | 2.0 | 28 | 0.3 | 0.2 |
| 600 | 7.01 | 34.97 | 27.41 | 2.4 | 2.0 | 30 | 0.5 | 0.1 |
| 700 | 6.23 | 34.97 | 27.52 | 2.4 | 1.9 | 30 | 0.7 | 0.1 |
| 800 | 5.60 | 34.98 | 27.60 | 2.4 | 1.8 | 28 | 0.6 | 0.2 |
| 1000 | 4.78 | 34.99 | 27.71 | 2.3 | 1.8 | 21 | 0.1 | 0.4 |
| 1200 | 4.40 | 34.99 | 27.76 | 2.4 | 2.3 | 22 | 0.6 | 0.2 |
| 1500 | 4.23 | 35.02 | 27.80 | 2.2 | 1.7 | 22 | 0.6 | 0.1 |
| 2000 | 4.18 | 35.03 | 27.81 | 1.9 | 1.3 | 21 | 0.4 | 0.0 |

STATION NO. 5-2C-10

DATE 26 5 1952 (Day Month Year) LAT. 25° 19' N. LONG. 87° 45' W.

TIME 1308 (GCT) DEPTH 1820 (Faths.) MAX. SAMPLE DEPTH -- (Meters) WIRE ANGLE 8 °

WATER COLOR 00 (Code) WEATHER 01 (Code) SEA 0 (Code) SWELL 115 (Direction) ° T. 2 (Hgt.) ft.

6 (Period) sec. CLOUDS Ci (Type) 1 (Amount) TEMP. 78.4 (Dry) °F. 74.5 (Wet) °F.

BAR. 29.96 in. REL. HUM. 83 % WIND -- (Direction) ° T. 0 (Force) VIS. 9 (Code)

OBSERVED VALUES

| Depth | Temp. °C | Sal. ‰ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|
| 0 | 25.74 | 37.45 | 0.6 | 0.0 | 2 | 0.4 | 0.6 |
| 24 | 23.68 | 36.22 | 0.4 | 0.1 | 1 | 0.7 | 0.1 |
| 49 | 22.68 | 36.45 | 0.6 | 0.2 | 2 | 0.6 | 0.3 |
| 98 | 20.34 | *37.68 | 0.7 | 0.3 | 4 | 0.2 | 0.4 |
| 148 | 17.14 | *37.54 | 0.8 | 0.8 | 12 | 0.4 | 0.3 |
| 196 | 15.07 | 36.09 | 1.6 | 1.0 | 16 | --- | 0.7 |
| 244 | 13.58 | *35.64 | 1.6 | 1.3 | 17 | 0.2 | 0.2 |
| 293 | 12.39 | *35.81 | 2.6 | 1.5 | 24 | 0.7 | 0.1 |
| 387 | 9.73 | 35.23 | 2.3 | 1.7 | 25 | 0.2 | 0.1 |
| 571 | 6.87 | 35.03 | 2.4 | 2.1 | 27 | 0.6 | 0.1 |
| 752 | 5.50 | 34.96 | 2.8 | 1.8 | 28 | 0.8 | 0.0 |
| 931 | 4.76 | 34.97 | 2.8 | 1.6 | 21 | --- | 0.3 |
| 1194 | 4.32 | 35.08 | 2.3 | 1.7 | 23 | 0.8 | 0.7 |
| 1544 | 4.20 | 35.03 | 2.0 | 1.4 | 14 | 0.0 | 0.5 |
| 1990 | 4.20 | 35.03 | 2.2 | 1.4 | 25 | 0.0 | 0.2 |
| 2667 | 4.22 | 35.05 | 2.2 | 1.4 | 22 | 0.8 | 0.6 |

* Values not used in drawing smooth curves.

STATION NO. 5-2C-10

VALUES AT STANDARD DEPTHS

| Depth | Temp. °C | Sal. ‰ | $\sigma_t$ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|---|
| 0 | 25.74 | 37.45 | 24.98 | 0.6 | 0.0 | 2 | 0.4 | 0.6 |
| 10 | 25.40 | 36.45 | 24.34 | 0.5 | 0.0 | 2 | 0.5 | 0.4 |
| 20 | 24.50 | 36.22 | 24.44 | 0.4 | 0.1 | 1 | 0.7 | 0.2 |
| 30 | 23.35 | 36.23 | 24.79 | 0.5 | 0.1 | 1 | 0.7 | 0.1 |
| 50 | 22.60 | 36.50 | 25.21 | 0.6 | 0.2 | 2 | 0.6 | 0.3 |
| 75 | 21.65 | 36.78 | 25.69 | 0.7 | 0.3 | 3 | 0.4 | 0.4 |
| 100 | 20.25 | 36.82 | 26.11 | 0.7 | 0.3 | 4 | 0.2 | 0.4 |
| 150 | 17.05 | 36.55 | 26.71 | 0.8 | 0.8 | 12 | 0.4 | 0.3 |
| 200 | 14.91 | 36.05 | 26.82 | 1.6 | 1.0 | 16 | 0.3 | 0.7 |
| 250 | 13.45 | 35.73 | 26.89 | 1.7 | 1.3 | 18 | 0.3 | 0.2 |
| 300 | 12.21 | 35.50 | 26.96 | 2.6 | 1.5 | 24 | 0.7 | 0.1 |
| 400 | 9.44 | 35.22 | 27.24 | 2.3 | 1.7 | 25 | 0.2 | 0.1 |
| 500 | 7.83 | 35.09 | 27.39 | 2.4 | 1.9 | 26 | 0.4 | 0.1 |
| 600 | 6.62 | 35.01 | 27.50 | 2.5 | 2.1 | 27 | 0.6 | 0.1 |
| 700 | 5.87 | 34.97 | 27.57 | 2.7 | 1.9 | 28 | 0.7 | 0.0 |
| 800 | 5.27 | 34.96 | 27.64 | 2.8 | 1.7 | 25 | 0.8 | 0.1 |
| 1000 | 4.60 | 35.00 | 27.74 | 2.7 | 1.6 | 22 | 0.8 | 0.4 |
| 1200 | 4.32 | 35.08 | 27.84 | 2.3 | 1.7 | 23 | 0.8 | 0.7 |
| 1500 | 4.20 | 35.04 | 27.82 | 2.0 | 1.4 | 15 | 0.1 | 0.5 |
| 2000 | 4.20 | 35.03 | 27.81 | 2.2 | 1.4 | 25 | 0.0 | 0.2 |
| 2500 | 4.21 | 35.05 | 27.82 | 2.2 | 1.4 | 23 | 0.6 | 0.5 |

STATION NO. 5-20-11

DATE 26 5 1952 LAT. 24° 53' N. LONG. 87° 00' W.
Day Month Year

TIME 2130 DEPTH 1600 MAX. SAMPLE DEPTH -- WIRE ANGLE 9 °
GCT Faths. Meters

WATER COLOR 00 WEATHER 01 SEA 1 SWELL 320 ° T. 1.5 ft.
Code Code Code Direction Hgt.

5 sec. CLOUDS Cc Cu 3 TEMP. 82.7 °F. 76.8 °F.
Period Type Amount Dry Wet

BAR. 29.94 in. REL. HUM. 76 % WIND 320 ° T. 1 VIS. 9
Direction Force Code

OBSERVED VALUES

| Depth | Temp. °C | Sal. ‰ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|
| 0 | 26.49 | 37.70 | 0.6 | 0.0 | 0 | 0.0 | 0.1 |
| 24 | 23.75 | 36.31 | 0.6 | 0.0 | 0 | 0.7 | 0.4 |
| 49 | 22.13 | 36.36 | 0.4 | 0.0 | 0 | 0.0 | 0.7 |
| 98 | 19.18 | 36.53 | 0.7 | 0.4 | 10 | 0.2 | 0.1 |
| 147 | 16.08 | 36.15 | 1.1 | --- | 10 | 0.0 | 0.2 |
| 196 | 14.42 | 35.91 | 1.6 | 1.1 | 16 | 0.1 | 0.0 |
| 245 | 12.41 | 35.64 | 1.8 | 1.2 | 16 | 0.3 | 0.6 |
| 294 | 11.02 | 35.39 | 1.8 | 1.4 | 27 | 0.6 | 0.0 |
| 394 | 8.98 | 35.14 | 2.0 | 1.9 | 20 | 0.3 | 0.2 |
| 590 | 6.30 | 34.91 | 2.3 | 2.0 | 32 | 0.4 | 0.3 |
| 788 | 5.13 | 34.96 | 2.0 | 1.7 | 25 | 0.2 | 0.0 |
| 986 | 4.45 | 34.98 | 2.0 | 1.6 | 25 | 0.0 | 0.3 |
| 1282 | 4.21 | 34.98 | 1.8 | 2.3 | 5 | 0.4 | 0.1 |
| 1679 | 4.18 | 35.03 | 1.9 | 1.6 | 15 | 1.2 | 0.1 |
| 2172 | --- | 35.07 | --- | --- | -- | --- | --- |
| 2875 | 4.21 | 34.99 | 1.9 | 1.6 | 20 | 0.6 | 0.1 |

STATION NO. 5-2C-11

VALUES AT STANDARD DEPTHS

| Depth | Temp. °C | Sal. ‰ | $\sigma_t$ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|---|
| 0 | 26.49 | 37.70 | 24.93 | 0.6 | 0.0 | 0 | 0.0 | 0.1 |
| 10 | 26.00 | 36.57 | 24.24 | 0.6 | 0.0 | 0 | 0.3 | 0.2 |
| 20 | 24.30 | 36.32 | 24.58 | 0.6 | 0.0 | 0 | 0.6 | 0.3 |
| 30 | 23.30 | 36.32 | 24.87 | 0.6 | 0.0 | 0 | 0.5 | 0.5 |
| 50 | 22.09 | 36.36 | 25.25 | 0.4 | 0.0 | 0 | 0.0 | 0.7 |
| 75 | 20.73 | 36.47 | 25.71 | 0.6 | 0.2 | 5 | 0.1 | 0.4 |
| 100 | 19.10 | 36.51 | 26.17 | 0.7 | 0.4 | 10 | 0.2 | 0.1 |
| 150 | 15.98 | 36.14 | 26.65 | 1.1 | 0.7 | 10 | 0.0 | 0.2 |
| 200 | 14.34 | 35.87 | 26.81 | 1.6 | 1.1 | 16 | 0.1 | 0.0 |
| 250 | 12.29 | 35.59 | 27.02 | 1.8 | 1.2 | 17 | 0.3 | 0.5 |
| 300 | 10.90 | 35.37 | 27.11 | 1.8 | 1.4 | 27 | 0.6 | 0.0 |
| 400 | 8.86 | 35.13 | 27.26 | 2.0 | 1.9 | 20 | 0.3 | 0.2 |
| 500 | 7.29 | 34.95 | 27.36 | 2.2 | 2.0 | 27 | 0.4 | 0.3 |
| 600 | 6.25 | 34.91 | 27.47 | 2.3 | 2.0 | 32 | 0.4 | 0.3 |
| 700 | 5.56 | 34.94 | 27.58 | 2.1 | 1.8 | 28 | 0.3 | 0.1 |
| 800 | 5.09 | 34.96 | 27.66 | 2.0 | 1.7 | 25 | 0.2 | 0.0 |
| 1000 | 4.41 | 34.98 | 27.75 | 2.0 | 1.6 | 24 | 0.0 | 0.3 |
| 1200 | 4.28 | 34.98 | 27.76 | 1.9 | 2.1 | 10 | 0.3 | 0.2 |
| 1500 | 4.20 | 35.01 | 27.79 | 1.9 | 1.9 | 10 | 0.8 | 0.1 |
| 2000 | 4.20 | 35.06 | 27.83 | 1.9 | - | 16 | 1.0 | 0.1 |
| 2500 | 4.20 | 35.05 | 27.83 | 1.9 | - | 18 | 0.8 | 0.1 |

STATION NO. 5-20-12

DATE 27 5 1952 (Day Month Year) LAT. 24° 25' N. LONG. 86° 28' W.

TIME 0428 (GCT) DEPTH 1150 (Faths.) MAX. SAMPLE DEPTH -- (Meters) WIRE ANGLE 17 °

WATER COLOR 00 (Code) WEATHER 01 (Code) SEA 1 (Code) SWELL -- (Direction) ° T. -- (Hgt.) ft.

-- (Period) sec. CLOUDS -- (Type) -- (Amount) TEMP. 79.4 (Dry) °F. 75.8 (Wet) °F.

BAR. 29.94 in. REL. HUM. 87 % WIND 10 (Direction) ° T. 2 (Force) VIS. 8 (Code)

OBSERVED VALUES

| Depth | Temp. °C | Sal. ‰ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|
| 0 | 26.37 | 37.03 | 0.6 | 0.1 | 0 | 0.3 | 0.4 |
| 9 | 25.99 | 36.42 | 0.6 | 0.0 | 1 | 0.6 | --- |
| 23 | 24.00 | 36.36 | 1.0 | 0.0 | 0 | 0.0 | 0.3 |
| 48 | 22.27 | 36.52 | 1.2 | 0.1 | 2 | 0.0 | 0.3 |
| 96 | 18.59 | 36.43 | 0.9 | 0.6 | 11 | 0.0 | 0.4 |
| 143 | 16.68 | 36.21 | 1.2 | 0.8 | 13 | 0.4 | 0.6 |
| 190 | 14.78 | 36.09 | 1.8 | 1.5 | 8 | 0.3 | 0.4 |
| 238 | 12.69 | 36.06 | 1.8 | 1.4 | 12 | 0.4 | 0.0 |
| 286 | 11.28 | 35.81 | 1.9 | 1.6 | 21 | 1.2 | 0.5 |
| 381 | 8.98 | 35.12 | 2.1 | 2.7 | 30 | 0.9 | 0.2 |
| 477 | 7.46 | 34.97 | 2.2 | 1.9 | 30 | --- | 0.0 |
| 574 | 6.41 | 34.90 | 2.2 | 2.1 | 28 | --- | 0.6 |
| 670 | *5.20 | 34.93 | 2.2 | 1.6 | 22 | 0.4 | 0.3 |
| 961 | 4.56 | 34.98 | 2.1 | 1.6 | 24 | 1.3 | 0.1 |
| 1354 | 4.20 | 35.03 | 1.9 | 1.3 | 15 | 0.7 | 0.3 |
| 1847 | 4.18 | 35.04 | 1.6 | 1.5 | 9 | 0.6 | 0.2 |

*Values not used in drawing smooth curves.

STATION NO. 5-20-12

VALUES AT STANDARD DEPTHS

| Depth | Temp. °C | Sal. ‰ | $\sigma_t$ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|---|
| 0 | 26.37 | 37.03 | 24.47 | 0.6 | 0.1 | 0 | 0.3 | 0.4 |
| 10 | 25.92 | 36.41 | 24.15 | 0.6 | 0.0 | 1 | 0.6 | 0.4 |
| 20 | 24.55 | 36.36 | 24.53 | 0.9 | 0.0 | 0 | 0.0 | 0.3 |
| 30 | 23.35 | 36.38 | 24.90 | 1.1 | 0.0 | 1 | 0.0 | 0.3 |
| 50 | 22.00 | 36.52 | 25.40 | 1.2 | 0.1 | 2 | 0.0 | 0.3 |
| 75 | 20.00 | 36.48 | 25.91 | 1.0 | 0.4 | 7 | 0.0 | 0.4 |
| 100 | 18.30 | 36.41 | 26.30 | 0.9 | 0.6 | 11 | 0.0 | 0.4 |
| 150 | 16.42 | 36.19 | 26.59 | 1.3 | 0.9 | 12 | 0.4 | 0.6 |
| 200 | 14.35 | 36.08 | 26.97 | 1.8 | 1.5 | 9 | 0.3 | 0.3 |
| 250 | 12.33 | 36.03 | 27.35 | 1.8 | 1.5 | 14 | 0.6 | 0.1 |
| 300 | 10.92 | 35.69 | 27.35 | 1.9 | 1.8 | 22 | 1.2 | 0.5 |
| 400 | 8.63 | 35.09 | 27.27 | 2.1 | 2.5 | 30 | - | 0.2 |
| 500 | 7.20 | 34.95 | 27.37 | 2.2 | 1.9 | 30 | - | 0.1 |
| 600 | 6.22 | 34.90 | 27.47 | 2.2 | 1.9 | 26 | - | 0.5 |
| 700 | 5.53 | 34.94 | 27.59 | 2.2 | 1.6 | 22 | 0.5 | 0.3 |
| 800 | 5.04 | 34.96 | 27.66 | 2.2 | 1.6 | 23 | 0.8 | 0.2 |
| 1000 | 4.49 | 34.98 | 27.74 | 2.1 | 1.5 | 23 | 1.2 | 0.1 |
| 1200 | 4.31 | 35.01 | 27.78 | 2.0 | 1.4 | 17 | 0.9 | 0.2 |
| 1500 | 4.20 | 35.04 | 27.82 | 1.8 | 1.4 | 13 | 0.7 | 0.3 |

STATION NO. 5-2C-13

DATE 27 5 1952 (Day Month Year) LAT. 23° 57' N. LONG. 85° 57' W.

TIME 1236 (GCT) DEPTH 1850 (Faths.) MAX. SAMPLE DEPTH -- (Meters) WIRE ANGLE 35 °

WATER COLOR 00 (Code) WEATHER 01 (Code) SEA 1 (Code) SWELL 320 (Direction) ° T. 2 (Hgt.) ft.

7 (Period) sec. CLOUDS Ci,Cu (Type) 4 (Amount) TEMP. 81.5 (Dry) °F. 76.3 (Wet) °F.

BAR. 29.94 in. REL. HUM. 76 % WIND 010 (Direction) ° T. 1 (Force) VIS. 9 (Code)

OBSERVED VALUES

| Depth | Temp. °C | Sal. ‰ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|
| 0 | 26.65 | 36.55 | 0.8 | 0.0 | 0 | 0.3 | 0.0 |
| 20 | 26.56 | 36.59 | 1.8 | 0.0 | - | 0.4 | 0.9 |
| 41 | 24.56 | 36.48 | 1.2 | 0.0 | 1 | 0.3 | 0.3 |
| 80 | 22.74 | 36.45 | 0.8 | 0.0 | 1 | 0.1 | --- |
| 118 | 21.28 | 36.48 | 0.8 | 0.1 | 2 | 0.7 | 0.4 |
| 155 | 19.09 | 36.47 | 2.0 | 0.3 | 9 | 0.5 | 0.0 |
| 191 | 17.37 | 36.47 | 1.5 | 0.4 | 6 | 1.0 | 0.3 |
| 226 | 15.80 | 36.11 | 2.8 | 0.8 | 17 | 0.2 | 0.0 |
| 294 | 13.15 | 35.68 | 2.2 | 1.2 | 19 | 0.2 | 0.4 |
| 422 | 10.07 | 35.26 | 2.8 | 1.3 | 22 | 0.1 | 0.2 |
| 541 | 7.87 | 35.14 | 3.5 | 1.9 | 21 | 0.6 | 0.4 |
| 659 | 6.61 | 34.96 | 3.2 | 1.8 | 22 | 0.8 | --- |
| 837 | 5.47 | 34.95 | 2.4 | 1.8 | 27 | 0.8 | 0.4 |
| 1068 | 4.56 | *35.46 | 3.4 | 1.6 | 23 | 0.3 | 0.2 |
| 1360 | 4.23 | *35.03 | 2.8 | 1.6 | 23 | 0.2 | 0.0 |
| 1917 | 4.21 | *36.44 | 1.8 | 0.3 | 7 | 0.3 | 0.4 |

*Values not used in drawing smooth curves.

STATION NO. 5-2C-13

VALUES AT STANDARD DEPTHS

| Depth | Temp. °C | Sal. ‰ | $\sigma_t$ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|---|
| 0 | 26.65 | 36.55 | 24.02 | 0.8 | 0.0 | 0 | 0.3 | 0.0 |
| 10 | 26.61 | 36.57 | 24.05 | 1.3 | 0.0 | 0 | 0.4 | 0.5 |
| 20 | 26.56 | 36.59 | 24.08 | 1.8 | 0.0 | 0 | 0.4 | 0.9 |
| 30 | 25.50 | 36.55 | 24.38 | 1.5 | 0.0 | 1 | 0.4 | 0.6 |
| 50 | 24.14 | 36.48 | 24.74 | 1.1 | 0.0 | 1 | 0.3 | 0.3 |
| 75 | 22.94 | 36.46 | 25.08 | 0.9 | 0.0 | 1 | 0.1 | 0.3 |
| 100 | 22.07 | 36.47 | 25.34 | 0.8 | 0.1 | 2 | 0.4 | 0.4 |
| 150 | 19.50 | 36.47 | 26.04 | 1.8 | 0.3 | 8 | 0.5 | 0.1 |
| 200 | 16.92 | 36.44 | 26.66 | 1.8 | 0.5 | 9 | 0.8 | 0.2 |
| 250 | 14.82 | 35.93 | 26.75 | 2.6 | 0.9 | 18 | 0.2 | 0.1 |
| 300 | 13.06 | 35.64 | 26.90 | 2.2 | 1.2 | 19 | 0.2 | 0.4 |
| 400 | 10.58 | 35.30 | 27.11 | 2.7 | 1.3 | 21 | 0.1 | 0.2 |
| 500 | 8.60 | 35.19 | 27.35 | 3.3 | 1.7 | 21 | 0.4 | 0.3 |
| 600 | 7.18 | 35.04 | 27.45 | 3.4 | 1.8 | 21 | 0.7 | 0.4 |
| 700 | 6.33 | 34.95 | 27.49 | 3.0 | 1.8 | 24 | 0.8 | 0.4 |
| 800 | 5.67 | 34.95 | 27.58 | 2.6 | 1.8 | 26 | 0.8 | 0.4 |
| 1000 | 4.78 | 34.99 | 27.71 | 3.1 | 1.7 | 24 | 0.4 | 0.3 |
| 1200 | 4.38 | 35.02 | 27.78 | 3.1 | 1.6 | 23 | 0.3 | 0.1 |
| 1500 | 4.22 | --- | --- | 2.5 | 1.3 | 19 | 0.2 | 0.1 |

STATION NO. 5-2C-14

DATE 27 5 1952 LAT. 23° 28' N. LONG. 85° 26' W.
Day Month Year

TIME 2038 DEPTH 610 MAX. SAMPLE DEPTH 1145 WIRE ANGLE 7 °
GCT Faths. Meters

WATER COLOR 00-10 WEATHER 01 SEA 1 SWELL --- ° T. --ft.
Code Code Code Direction Hgt.

-- sec. CLOUDS Cu 1 TEMP. 81.9 °F. 77.4 °F.
Period Type Amount Dry Wet

BAR. 29.94 in. REL. HUM. 80 % WIND 070 ° T. 2 VIS. 9
Direction Force Code

OBSERVED VALUES

| Depth | Temp. °C | Sal. ‰ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|
| 0 | 28.40 | 35.99 | 1.2 | 0.0 | 1 | 0.0 | 0.2 |
| 10 | 27.95 | 35.91 | 1.2 | 0.1 | 1 | 1.6 | 0.3 |
| 25 | 27.83 | 35.93 | 1.0 | 0.0 | 0 | 0.5 | 0.3 |
| 49 | 26.69 | 35.96 | 1.8 | 0.0 | 1 | 0.5 | 0.1 |
| 74 | 25.93 | 36.04 | 1.5 | 0.0 | 2 | 0.8 | 0.4 |
| 99 | 25.47 | 36.13 | 0.9 | 0.2 | - | 0.4 | 0.2 |
| 148 | 22.95 | 36.69 | 1.1 | 0.2 | 4 | 0.0 | 0.4 |
| 198 | 20.97 | 36.94 | 1.2 | 0.4 | 6 | 0.0 | 0.2 |
| 247 | 19.04 | 36.58 | 1.8 | 0.4 | 5 | 0.0 | 0.2 |
| 296 | 17.14 | 36.33 | 1.4 | 0.6 | 10 | 0.4 | 0.1 |
| 395 | 15.42 | 36.02 | 2.2 | 0.9 | 15 | 0.6 | 0.2 |
| 494 | 13.12 | 35.60 | 2.7 | 1.1 | 19 | 1.4 | 0.2 |
| 592 | 10.53 | 35.24 | 3.4 | 1.5 | 25 | 0.2 | 0.2 |
| 691 | 8.34 | 34.96 | 3.2 | 2.0 | 31 | 0.7 | 0.3 |
| 791 | 6.54 | 35.03 | 3.8 | 1.8 | 17 | 1.3 | 0.2 |
| 991 | 5.10 | 34.87 | 2.6 | 1.6 | 20 | 0.0 | 0.0 |

STATION NO. 5-2C-14

VALUES AT STANDARD DEPTHS

| Depth | Temp. °C | Sal. ‰ | $\sigma_t$ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|---|
| 0 | 28.40 | 35.99 | 23.03 | 1.2 | 0.0 | 1 | 0.0 | 0.2 |
| 10 | 27.95 | 35.91 | 23.12 | 1.2 | 0.1 | 1 | 1.6 | 0.3 |
| 20 | 27.88 | 35.92 | 23.15 | 1.1 | 0.0 | 0 | 0.9 | 0.3 |
| 30 | 27.65 | 35.94 | 23.24 | 1.0 | 0.0 | 0 | 0.5 | 0.3 |
| 50 | 26.62 | 35.97 | 23.60 | 1.2 | 0.0 | 1 | 0.5 | 0.1 |
| 75 | 25.92 | 36.05 | 23.87 | 1.5 | 0.0 | 2 | 0.8 | 0.4 |
| 100 | 25.46 | 36.14 | 24.09 | 0.9 | 0.1 | 3 | 0.4 | 0.2 |
| 150 | 22.89 | 36.70 | 25.28 | 1.1 | 0.2 | 4 | 0.0 | 0.4 |
| 200 | 20.92 | 36.93 | 26.01 | 1.2 | 0.4 | 6 | 0.0 | 0.2 |
| 250 | 18.85 | 36.55 | 26.27 | 1.8 | 0.4 | 5 | 0.0 | 0.2 |
| 300 | 17.05 | 36.32 | 26.54 | 1.4 | 0.6 | 10 | 0.4 | 0.1 |
| 400 | 15.39 | 35.99 | 26.66 | 2.2 | 0.9 | 15 | 0.6 | 0.2 |
| 500 | 13.04 | 35.57 | 26.85 | 2.7 | 1.1 | 19 | 1.3 | 0.2 |
| 600 | 10.45 | 35.22 | 27.06 | 3.4 | 1.5 | 25 | 0.2 | 0.2 |
| 700 | 8.18 | 34.96 | 27.24 | 3.3 | 2.0 | 30 | 0.7 | 0.3 |
| 800 | 6.48 | 35.03 | 27.53 | 3.7 | 1.8 | 17 | 1.2 | 0.2 |
| 1000 | (5.06) | (34.87) | (27.59) | - | - | -- | - | - |

() Extrapolated values.

STATION NO. 5-2C-15

DATE 28 5 1952 LAT. 23° 00' N. LONG. 84° 57' W.
Day Month Year

TIME 0352 DEPTH 1100 MAX. SAMPLE DEPTH -- WIRE ANGLE 19°
GCT Faths. Meters

WATER COLOR 00 WEATHER 01 SEA 1 SWELL -- ° T. -- ft.
Code Code Code Direction Hgt.

-- sec. CLOUDS -- -- TEMP. 82.1 °F. 77.0°F.
Period Type Amount Dry Wet

BAR. 29.96 in. REL. HUM. 80 % WIND 030 ° T. 2 VIS.-
Direction Force Code

OBSERVED VALUES

| Depth | Temp. °C | Sal. ‰ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|
| 0 | 27.85 | 36.09 | 0.6 | 0.0 | 1 | 1.4 | 0.1 |
| 9 | 27.77 | 36.22 | 0.8 | 0.1 | 0 | 0.3 | 0.3 |
| 24 | 27.42 | 36.09 | 0.8 | 0.0 | 1 | 0.2 | 0.1 |
| 47 | 26.77 | 36.06 | 1.0 | 0.1 | 0 | 0.2 | 0.3 |
| 93 | 25.83 | 36.09 | 0.8 | 0.1 | 2 | 0.3 | 0.3 |
| 139 | 24.81 | --- | 1.0 | 0.2 | 2 | 0.1 | 0.4 |
| 185 | 21.72 | 36.74 | 1.3 | 0.2 | 4 | 0.6 | 0.2 |
| 232 | 20.05 | 36.73 | 1.0 | 0.3 | 6 | 0.4 | 1.0 |
| 278 | --- | 36.55 | 1.4 | 0.4 | 9 | --- | 1.4 |
| 368 | 16.34 | 36.24 | 1.7 | --- | 10 | 0.0 | 0.0 |
| 457 | 14.15 | 35.84 | 1.6 | 1.0 | 17 | 0.2 | 0.0 |
| 547 | 12.07 | 35.61 | 2.3 | 1.2 | 16 | 0.1 | 0.3 |
| 729 | 8.61 | 35.08 | 2.7 | 1.7 | 19 | 0.5 | 0.2 |
| 913 | 6.08 | 34.94 | 2.8 | 2.1 | 26 | 0.8 | 0.2 |
| 1290 | 4.41 | 34.99 | 2.4 | 1.6 | 17 | 0.6 | 0.5 |
| 1685 | 4.21 | 35.01 | 3.0 | 1.5 | 23 | 0.3 | 0.0 |

STATION NO. 5-2C-15

VALUES AT STANDARD DEPTHS

| Depth | Temp. °C | Sal. ‰ | $\sigma_t$ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|---|
| 0 | 27.85 | 36.09 | 23.29 | 0.6 | 0.0 | 1 | 1.4 | 0.1 |
| 10 | 27.75 | 36.21 | 23.41 | 0.8 | 0.1 | 0 | 0.3 | 0.3 |
| 20 | 27.54 | 36.11 | 23.41 | 0.8 | 0.0 | 1 | 0.2 | 0.2 |
| 30 | 27.30 | 36.07 | 23.45 | 0.8 | 0.0 | 1 | 0.2 | 0.2 |
| 50 | 26.76 | 36.06 | 23.29 | 1.0 | 0.1 | 0 | 0.2 | 0.3 |
| 75 | 26.21 | 36.08 | 23.81 | 0.9 | 0.1 | 1 | 0.3 | 0.3 |
| 100 | 25.70 | 36.12 | 23.99 | 0.8 | 0.1 | 2 | 0.3 | 0.3 |
| 150 | 24.22 | 36.62 | 24.83 | 1.1 | 0.2 | 2 | 0.2 | 0.3 |
| 200 | 21.10 | 36.75 | 25.82 | 1.2 | 0.2 | 5 | 0.5 | 0.5 |
| 250 | 19.51 | 36.65 | 26.17 | 1.2 | 0.3 | 7 | 0.3 | 1.2 |
| 300 | 18.10 | 36.48 | 26.40 | 1.5 | 0.5 | 9 | 0.2 | 1.0 |
| 400 | 15.53 | 36.06 | 26.69 | 1.7 | 0.8 | 13 | 0.1 | 0.0 |
| 500 | 13.14 | 35.74 | 26.96 | 1.9 | 1.1 | 17 | 0.2 | 0.1 |
| 600 | 10.94 | 35.45 | 27.16 | 2.4 | 1.3 | 17 | 0.2 | 0.3 |
| 700 | 9.12 | 35.14 | 27.23 | 2.6 | 1.6 | 19 | 0.4 | 0.2 |
| 800 | 7.52 | 35.01 | 27.37 | 2.7 | 1.8 | 22 | 0.6 | 0.2 |
| 1000 | 5.44 | 34.94 | 27.60 | 2.7 | 2.0 | 24 | 0.8 | 0.3 |
| 1200 | 4.67 | 34.98 | 27.71 | 2.5 | 1.7 | 19 | 0.6 | 0.4 |
| 1500 | 4.23 | 35.00 | 27.78 | 2.7 | 1.5 | 20 | 0.4 | 0.2 |

STATION NO. 5-20-16

DATE 28 5 1952 LAT. 22° 33' N. LONG. 84° 28' W.
Day Month Year

TIME 1125 DEPTH 650 MAX. SAMPLE DEPTH -- WIRE ANGLE 11 °
GCT Faths. Meters

WATER COLOR 00 WEATHER 01 SEA 0 SWELL -- ° T. -- ft.
Code Code Code Direction Hgt.

-- sec. CLOUDS Ci.As 9 TEMP. 81.9 °F. 77.2 °F.
Period Type Amount Dry Wet

BAR. 29.93 in. REL. HUM. 80 % WIND -- ° T. 0 VIS. 9
Direction Force Code

OBSERVED VALUES

| Depth | Temp. °C | Sal. ‰ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|
| 0 | 28.13 | 36.09 | | 0.1 | 0 | --- | 0.1 |
| 9 | 28.01 | *36.85 | | 0.0 | 1 | 0.4 | 0.7 |
| 24 | 27.39 | 36.08 | | 0.1 | 0 | --- | 0.2 |
| 49 | 26.62 | 36.10 | | 0.0 | 0 | 0.6 | 0.2 |
| 98 | 24.99 | 36.26 | | 0.0 | 1 | 0.4 | 3.5 |
| 147 | 22.97 | 36.74 | | 0.2 | 3 | 0.3 | 0.1 |
| 195 | 20.59 | 36.77 | | 0.3 | 5 | 0.5 | 0.2 |
| 244 | 19.19 | 36.65 | | 0.4 | 6 | 0.4 | 0.2 |
| 292 | 18.14 | 36.53 | | 0.5 | 6 | 0.0 | 0.1 |
| 388 | 16.05 | 36.20 | | 0.8 | 10 | 0.4 | 0.0 |
| 486 | 13.38 | 35.71 | | 1.2 | 16 | 0.1 | 0.0 |
| 584 | 10.70 | 35.32 | | 1.5 | 14 | --- | 0.7 |
| 682 | 8.53 | 35.02 | | 1.8 | 25 | 0.1 | 0.3 |
| 780 | 6.84 | 34.90 | | --- | 24 | 0.8 | 0.0 |
| 880 | 5.74 | 34.90 | | 1.8 | 28 | 0.4 | 0.1 |
| 1076 | 4.60 | 34.97 | | 1.7 | 14 | 0.8 | 0.7 |

*Values not used in drawing smooth curves.

STATION NO: 5-2C-16

DATE 28 5 1952 LAT. 22° 33' N. LONG. 84° 28' W.
Day Month Year

TIME 1125 DEPTH 650 MAX. SAMPLE DEPTH -- WIRE ANGLE 11 °
GCT Faths. Meters

WATER COLOR 00 WEATHER 01 SEA 0 SWELL -- ° T. -- ft.
Code Code Code Direction Hgt.

-- sec. CLOUDS Ci,As 9 TEMP. 81.9 °F. 77.2 °F.
Period Type Amount Dry Wet

BAR. 29.93 in. REL. HUM. 80 % WIND -- ° T. 0 VIS. 9
Direction Force Code

OBSERVED VALUES

| Depth | Temp. °C | Sal. ‰ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|
| 0 | 28.13 | 36.09 | 0.6 | 0.1 | 0 | --- | 0.1 |
| 9 | 28.01 | *36.85 | 1.2 | 0.0 | 1 | 0.4 | 0.7 |
| 24 | 27.39 | 36.08 | 0.8 | 0.1 | 0 | --- | 0.2 |
| 49 | 26.62 | 36.10 | 0.7 | 0.0 | 0 | 0.6 | 0.2 |
| 98 | 24.99 | 36.26 | 0.8 | 0.0 | 1 | 0.4 | 3.5 |
| 147 | 22.97 | 36.74 | --- | 0.2 | 3 | 0.3 | 0.1 |
| 195 | 20.59 | 36.77 | 1.2 | 0.3 | 5 | 0.5 | 0.2 |
| 244 | 19.19 | 36.65 | 1.4 | 0.4 | 6 | 0.4 | 0.2 |
| 292 | 18.14 | 36.53 | 1.2 | 0.5 | 6 | 0.0 | 0.1 |
| 388 | 16.05 | 36.20 | 0.8 | 0.8 | 10 | 0.4 | 0.0 |
| 486 | 13.38 | 35.71 | 2.3 | 1.2 | 16 | 0.1 | 0.0 |
| 584 | 10.70 | 35.32 | 1.9 | 1.5 | 14 | --- | 0.7 |
| 682 | 8.53 | 35.02 | 2.8 | 1.8 | 25 | 0.1 | 0.3 |
| 780 | 6.84 | 34.90 | 2.9 | --- | 24 | 0.8 | 0.0 |
| 880 | 5.74 | 34.90 | 1.8 | 1.8 | 28 | 0.4 | 0.1 |
| 1076 | 4.60 | 34.97 | 2.8 | 1.7 | 14 | 0.8 | 0.7 |

*Values not used in drawing smooth curves.

STATION NO. 5-2C-17

DATE 28 5 1952 LAT. 22° 32' N. LONG. 84° 57' W.
Day Month Year

TIME 1806 DEPTH 1200 MAX. SAMPLE DEPTH -- WIRE ANGLE 50 °
GCT Faths. Meters

WATER COLOR 00 WEATHER 00 SEA 0 SWELL 020 ° T. 1 ft.
Code Code Code Direction Hgt.

7 sec. CLOUDS Ci,Cu 1 TEMP. 91.0 °F. 79.5 °F.
Period Type Amount Dry Wet

BAR. 29.96 in. REL. HUM. 62 % WIND -- ° T. 0 VIS. 9
Direction Force Code

OBSERVED VALUES

| Depth | Temp. °C | Sal. ‰ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|
| 0 | 27.89 | 36.03 | 0.8 | 0.0 | 0 | 0.9 | 0.3 |
| 24 | 27.10 | 36.07 | 1.0 | 0.2 | 2 | 0.7 | 0.6 |
| 49 | 26.36 | 36.04 | 0.6 | 0.1 | 1 | 0.6 | 0.4 |
| 99 | 25.30 | 36.18 | 0.8 | 0.1 | 1 | 0.6 | 0.8 |
| 149 | 21.94 | 36.80 | 0.2 | 0.2 | 5 | 0.6 | 0.5 |
| 199 | 20.02 | 36.65 | 0.8 | 0.4 | 7 | 0.0 | 5.8 |
| 249 | 18.63 | 36.51 | 0.7 | 0.4 | 8 | 0.0 | 0.3 |
| 298 | 17.42 | 36.33 | 0.8 | 0.5 | 7 | 0.3 | 0.4 |
| 397 | 15.36 | 35.99 | 1.8 | 0.8 | 10 | 1.0 | --- |
| 496 | 13.23 | 35.66 | 2.2 | 0.9 | 9 | 1.6 | 0.0 |
| 595 | 10.59 | 35.24 | 2.6 | 1.5 | 15 | 0.3 | 0.6 |
| 693 | 8.51 | 34.99 | 2.8 | 1.9 | 34 | --- | 0.3 |
| 890 | 5.96 | 34.89 | 3.4 | 1.8 | 27 | 0.4 | 0.3 |
| 1189 | 4.49 | 34.97 | 2.6 | 1.6 | 17 | 0.3 | 1.2 |
| 1590 | 4.20 | 35.00 | 2.2 | 1.4 | -- | 0.4 | 0.1 |

STATION NO. 5-2C-17

VALUES AT STANDARD DEPTHS

| Depth | Temp. °C | Sal. ‰ | $\sigma_t$ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|---|
| 0 | 27.89 | 36.03 | 23.23 | 0.8 | 0.0 | 0 | 0.9 | 0.3 |
| 10 | 27.56 | 36.06 | 23.36 | 0.9 | 0.1 | 1 | 0.8 | 0.4 |
| 20 | 27.15 | 36.07 | 23.50 | 1.0 | 0.2 | 2 | 0.7 | 0.6 |
| 30 | 26.85 | 36.06 | 23.59 | 0.9 | 0.2 | 2 | 0.7 | 0.5 |
| 50 | 26.35 | 36.04 | 23.73 | 0.6 | 0.1 | 1 | 0.6 | 0.4 |
| 75 | 25.89 | 36.12 | 23.94 | 0.7 | 0.1 | 1 | 0.6 | 0.6 |
| 100 | 25.25 | 36.20 | 24.20 | 0.8 | 0.1 | 1 | 0.6 | 0.8 |
| 150 | 21.90 | 36.79 | 25.63 | 0.2 | 0.2 | 5 | 0.6 | 0.6 |
| 200 | 20.00 | 36.64 | 26.04 | 0.8 | 0.4 | 7 | 0.0 | 5.7 |
| 250 | 18.57 | 36.49 | 26.29 | 0.7 | 0.4 | 8 | 0.0 | 0.3 |
| 300 | 17.35 | 36.32 | 26.46 | 0.8 | 0.5 | 7 | 0.3 | 0.4 |
| 400 | 15.28 | 35.97 | 26.67 | 1.8 | 0.7 | 10 | 1.0 | 0.2 |
| 500 | 13.15 | 35.64 | 26.88 | 2.2 | 0.9 | 9 | 1.5 | 0.0 |
| 600 | 10.50 | 35.22 | 27.05 | 2.6 | 1.5 | 16 | 0.3 | 0.6 |
| 700 | 8.40 | 34.98 | 27.21 | 2.8 | 1.9 | 34 | 0.4 | 0.3 |
| 800 | 6.90 | 34.92 | 27.39 | 3.1 | 1.8 | 30 | 0.4 | 0.3 |
| 1000 | 5.30 | 34.92 | 27.60 | 3.1 | 1.7 | 22 | 0.4 | 0.6 |
| 1200 | 4.45 | 34.97 | 27.73 | 2.6 | 1.6 | -- | 0.3 | 1.2 |
| 1500 | 4.21 | 34.99 | 27.77 | 2.3 | 1.4 | -- | 0.4 | 0.3 |

STATION NO. 5-2C-18

DATE 29 5 1952 LAT. 23° 00' N. LONG. 84° 57' W.
Day Month Year

TIME 0121 DEPTH 1100 MAX. SAMPLE DEPTH -- WIRE ANGLE 21 °
GCT 00- Faths. Meters

WATER COLOR 10 WEATHER 01 SEA 1 SWELL -- ° T. -- ft.
Code Code Code Direction Hgt.

-- sec. CLOUDS -- -- TEMP. 81.4 °F. 77.8 °F.
Period Type Amount Dry Wet

BAR. 29.92 in. REL. HUM. 88 % WIND 050 ° T. 2 VIS. 9
Direction Force Code

OBSERVED VALUES

| Depth | Temp. °C | Sal. ‰ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|
| 0 | 27.85 | 36.00 | 0.6 | 0.0 | 0 | 0.0 | 0.4 |
| 10 | 27.49 | 35.93 | 1.3 | 0.0 | 0 | 0.0 | 0.7 |
| 23 | 27.12 | 36.26 | 0.5 | 0.2 | 2 | 0.0 | 0.3 |
| 47 | 26.62 | 36.00 | 0.9 | 0.0 | 0 | --- | 0.2 |
| 92 | 25.92 | 36.08 | 0.5 | 0.0 | 2 | 0.0 | 0.2 |
| 138 | 24.38 | 36.55 | 0.6 | 0.0 | 2 | 0.2 | 0.2 |
| 182 | 21.72 | 36.87 | 1.8 | 0.4 | 6 | --- | 0.1 |
| 227 | 19.33 | 36.65 | 1.2 | 0.4 | 8 | --- | 0.0 |
| 271 | --- | 36.55 | 1.0 | 0.4 | 8 | --- | 0.0 |
| 360 | 16.38 | 36.26 | 1.4 | 0.5 | 11 | 0.2 | 0.2 |
| 448 | 14.44 | 35.93 | 3.8 | 0.9 | 11 | --- | 0.1 |
| 536 | 12.44 | 35.62 | 2.6 | 1.2 | -- | 0.4 | 0.2 |
| 718 | 8.71 | 35.14 | 3.3 | 1.7 | 12 | 0.0[a] | 0.3 |
| 905 | 6.19 | 34.94 | 2.9 | 2.0 | 24 | 0.6 | 0.0 |
| 1101 | 4.95 | 34.99 | 4.4 | 1.9 | 13 | 0.3 | 0.2 |

(a) Green carbohydrates.

STATION NO. 5-2C-18

VALUES AT STANDARD DEPTHS

| Depth | Temp. °C | Sal. ‰ | $\sigma_t$ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|---|
| 0 | 27.85 | 36.00 | 23.22 | 0.6 | 0.0 | 0 | 0.0 | 0.4 |
| 10 | 27.49 | 35.93 | 23.28 | 1.3 | 0.0 | 0 | 0.0 | 0.7 |
| 20 | 27.24 | 36.26 | 23.61 | 0.7 | 0.2 | 2 | 0.0 | 0.4 |
| 30 | 26.95 | 36.13 | 23.61 | 0.6 | 0.2 | 1 | 0.0 | 0.3 |
| 50 | 26.52 | 36.00 | 23.65 | 0.9 | 0.0 | 0 | 0.0 | 0.2 |
| 75 | 26.18 | 36.04 | 23.78 | 0.7 | 0.0 | 1 | 0.0 | 0.2 |
| 100 | 25.84 | 36.10 | 23.93 | 0.5 | 0.0 | 1 | 0.0 | 0.2 |
| 150 | 23.62 | 36.73 | 25.09 | 0.9 | 0.1 | 3 | 0.2 | 0.2 |
| 200 | 20.75 | 36.82 | 25.97 | 1.6 | 0.4 | 7 | 0.2 | 0.1 |
| 250 | 18.51 | 36.59 | 26.38 | 1.1 | 0.4 | 8 | 0.2 | 0.0 |
| 300 | 17.42 | 36.45 | 26.55 | 1.1 | 0.4 | 9 | 0.2 | 0.1 |
| 400 | 15.60 | 36.09 | 26.70 | 2.5 | 0.7 | 11 | 0.2 | 0.2 |
| 500 | 13.31 | 35.75 | 26.93 | 3.1 | 1.1 | 11 | 0.4 | 0.2 |
| 600 | 11.00 | 35.45 | 27.14 | 2.8 | 1.4 | 12 | 0.3 | 0.2 |
| 700 | 9.05 | 35.17 | 27.26 | 3.2 | 1.7 | 12 | 0.0 | 0.3 |
| 800 | 7.49 | 35.04 | 27.40 | 3.1 | 1.8 | 17 | 0.3 | 0.2 |
| 1000 | 5.47 | 34.95 | 27.60 | 3.6 | 2.0 | 19 | 0.5 | 0.1 |

STATION NO. 5-2C-19

DATE 29 5 1952 LAT. 23° 30' N. LONG. 85° 00' W.
Day Month Year

TIME 0647 DEPTH 1500 MAX. SAMPLE DEPTH -- WIRE ANGLE 14°
GCT Faths. Meters

WATER COLOR -- WEATHER 01 SEA 1 SWELL -- ° T. -- ft.
Code Code Code Direction Hgt.

-- sec. CLOUDS -- -- TEMP. 81.5 °F. 77.0 °F.
Period Type Amount Dry Wet

BAR. 29.94 in. REL. HUM. 80 % WIND 090 ° T. 2 VIS. --
Direction Force Code

OBSERVED VALUES

| Depth | Temp. °C | Sal. ‰ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|
| 0 | 27.95 | 36.08 | 0.6 | --- | 1 | 0.3 | 0.2 |
| 9 | 27.96 | 36.20 | 0.6 | 0.0 | - | 0.0 | 0.6 |
| 23 | 27.15 | *37.18 | 0.3 | 0.3 | 1 | --- | 0.2 |
| 48 | 26.73 | 36.22 | 0.4 | 0.0 | 1 | 0.4 | 0.1 |
| 96 | 25.64 | 36.17 | 0.5 | 0.0 | 1 | 0.2 | 0.1 |
| 144 | 23.18 | 36.89 | 1.0 | 0.2 | 4 | 0.5 | 0.2 |
| 193 | 21.27 | 36.83 | 0.7 | 0.2 | 4 | 5.6 | 0.2 |
| 240 | 19.14 | 36.62 | 0.8 | 0.4 | 8 | 0.3 | 0.0 |
| 383 | 15.88 | 36.20 | 1.4 | 0.8 | 11 | 0.6 | 0.2 |
| 478 | 13.67 | 35.81 | 2.0 | 1.0 | 18 | 0.0 | 0.4 |
| 572 | 11.30 | 35.39 | 2.3 | 1.5 | 23 | 0.2 | 0.2 |
| 762 | 8.18 | 35.19 | 2.2 | 1.9 | 32 | 0.2 | 0.0 |
| 952 | 5.60 | 35.07 | 4.2 | 1.9 | 27 | 0.5 | 0.3 |
| 1149 | 4.78 | 35.21 | 3.1 | 1.7 | 23 | 1.2 | 0.1 |

*Values not used in drawing smooth curves.

STATION NO. 5-2C-19

VALUES AT STANDARD DEPTHS

| Depth | Temp. °C | Sal. ‰ | $\sigma_t$ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|---|
| 0 | 27.95 | 36.08 | 23.25 | 0.6 | - | 1 | 0.3 | 0.2 |
| 10 | 27.96 | 36.20 | 23.34 | 0.6 | 0.0 | 1 | 0.0 | 0.6 |
| 20 | 27.35 | 36.22 | 23.55 | 0.4 | 0.2 | 1 | 0.1 | 0.3 |
| 30 | 26.99 | 36.23 | 23.67 | 0.3 | 0.2 | 1 | 0.2 | 0.2 |
| 50 | 26.65 | 36.22 | 23.77 | 0.4 | 0.0 | 1 | 0.4 | 0.1 |
| 75 | 26.05 | 36.18 | 23.93 | 0.5 | 0.0 | 1 | 0.3 | 0.1 |
| 100 | 25.54 | 36.18 | 24.09 | 0.5 | 0.0 | 1 | 0.2 | 0.1 |
| 150 | 22.92 | 36.88 | 25.41 | 1.0 | 0.2 | 4 | 1.1 | 0.2 |
| 200 | 21.05 | 36.80 | 25.87 | 0.7 | 0.2 | 5 | 4.8 | 0.2 |
| 250 | 18.79 | 36.59 | 26.31 | 0.8 | 0.4 | 8 | 0.3 | 0.0 |
| 300 | 17.49 | 36.45 | 26.53 | 1.1 | 0.6 | 9 | 0.4 | 0.1 |
| 400 | 15.51 | 36.15 | 26.76 | 1.5 | 0.8 | 12 | 0.5 | 0.2 |
| 500 | 13.14 | 35.69 | 26.92 | 2.1 | 1.1 | 19 | 0.1 | 0.4 |
| 600 | 10.71 | 35.36 | 27.13 | 2.3 | 1.6 | 24 | 0.2 | 0.2 |
| 700 | 9.08 | 35.25 | 27.32 | 2.2 | 1.8 | 29 | 0.2 | 0.1 |
| 800 | 7.65 | 35.16 | 27.47 | 2.6 | 1.9 | 31 | 0.3 | 0.1 |
| 1000 | 5.29 | 35.09 | 27.73 | 3.9 | 1.9 | 26 | 0.7 | 0.2 |

STATION NO. 5-26-20

DATE 29 5 1952 LAT. 24° 11' N. LONG. 85° 04' W.
Day Month Year

TIME 1250 DEPTH 1800 MAX. SAMPLE DEPTH -- WIRE ANGLE 17 °
GCT 00- Faths. Meters

WATER COLOR 10 WEATHER 01 SEA 0 SWELL -- ° T. -- ft.
Code Code Code Direction Hgt.

-- sec. CLOUDS Cu,Cs 3 TEMP. 81.7 °F. 76.5 °F.
Period Type Amount Dry Wet

BAR. 29.94 in. REL. HUM. 76 % WIND 225 ° T. 1 VIS. --
Direction Force Code

OBSERVED VALUES

| Depth | Temp. °C | Sal. ‰ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|
| 0 | 28.18 | 36.00 | 0.6 | 0.0 | 1 | 0.0 | 0.2 |
| 9 | 28.23 | 35.99 | 1.1 | 0.1 | 0 | 0.2 | 0.1 |
| 23 | 27.36 | *37.45 | 1.1 | 0.0 | 1 | 0.1 | 0.2 |
| 47 | 26.74 | 36.60 | 2.0 | 0.0 | 0 | 0.0 | 0.1 |
| 94 | 24.98 | 36.42 | 1.0 | 0.1 | 1 | 0.0 | 0.2 |
| 140 | 22.01 | *37.38 | 1.4 | 0.2 | 4 | 0.2 | 0.1 |
| 187 | 19.90 | *37.74 | 1.4 | 0.3 | 7 | 0.1 | 0.4 |
| 232 | 17.97 | *37.45 | 1.2 | 0.4 | 9 | 0.0 | 0.2 |
| 277 | 16.56 | 36.83 | 1.9 | 0.5 | 11 | 0.4 | 0.1 |
| 365 | 14.29 | 36.44 | 3.0 | 1.2 | 14 | 0.8 | 0.0 |
| 451 | 12.08 | *36.69 | 2.3 | 1.3 | 13 | 0.0 | 0.3 |
| 535 | 10.10 | 36.26 | 3.3 | 1.5 | 23 | --- | 0.0 |
| 699 | 7.66 | 34.98 | 2.9 | 1.9 | 33 | 0.4 | 0.2 |
| 859 | 5.79 | 34.84 | 3.2 | 1.9 | 30 | --- | 0.4 |
| 1019 | 5.08 | 34.90 | 2.8 | 1.7 | 26 | 0.6 | 0.1 |
| 1282 | 4.36 | 34.99 | 3.0 | 1.5 | 23 | 0.4 | 0.0 |

*Values not used in drawing smooth curves.

STATION NO. 5-2C-20

VALUES AT STANDARD DEPTHS

| Depth | Temp. °C | Sal. ‰ | $\sigma_t$ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|---|
| 0 | 28.18 | 36.00 | 23.11 | 0.6 | 0.0 | 1 | 0.0 | 0.2 |
| 10 | 28.22 | 35.99 | 23.09 | 1.1 | 0.1 | 0 | 0.2 | 0.1 |
| 20 | 27.60 | 36.23 | 23.47 | 1.1 | 0.0 | 1 | 0.1 | 0.2 |
| 30 | 27.11 | 36.55 | 23.87 | 1.4 | 0.0 | 1 | 0.1 | 0.2 |
| 50 | 26.62 | 36.59 | 24.06 | 1.9 | 0.0 | 0 | 0.0 | 0.1 |
| 75 | 25.88 | 36.47 | 24.20 | 1.4 | 0.1 | 1 | 0.0 | 0.2 |
| 100 | 24.40 | 36.44 | 24.64 | 1.0 | 0.1 | 1 | 0.0 | 0.2 |
| 150 | 21.54 | 36.61 | 25.59 | 1.4 | 0.2 | 5 | 0.2 | 0.2 |
| 200 | 19.32 | 36.75 | 26.30 | 1.3 | 0.3 | 8 | 0.1 | 0.3 |
| 250 | 17.35 | 36.82 | 26.85 | 1.5 | 0.4 | 10 | 0.2 | 0.2 |
| 300 | 15.95 | 36.78 | 27.15 | 2.2 | 0.6 | 12 | 0.5 | 0.1 |
| 400 | 13.43 | 36.25 | 27.29 | 2.7 | 1.2 | 14 | 0.5 | 0.1 |
| 500 | 10.98 | 35.69 | 27.34 | 2.9 | 1.4 | 19 | 0.1 | 0.1 |
| 600 | 8.92 | 35.27 | 27.36 | 3.1 | 1.6 | 27 | 0.2 | 0.1 |
| 700 | 7.64 | 34.97 | 27.32 | 2.9 | 1.9 | 33 | 0.4 | 0.2 |
| 800 | 6.35 | 34.87 | 27.43 | 3.1 | 1.9 | 31 | 0.5 | 0.3 |
| 1000 | 5.16 | 34.89 | 27.59 | 2.8 | 1.7 | 26 | 0.6 | 0.1 |
| 1200 | 4.59 | 34.97 | 27.72 | 2.9 | 1.6 | 24 | 0.5 | 0.0 |

STATION NO. 5-20-21

DATE 29 5 1952 LAT. 24° 56' N. LONG. 85° 09' W.
Day Month Year

TIME 1846 DEPTH 1800 MAX. SAMPLE DEPTH -- WIRE ANGLE 22 °
GCT Faths. Meters

WATER COLOR 00 WEATHER 01 SEA 0 SWELL 020 ° T. 1 ft.
Code Code Code Direction Hgt.

6 sec. CLOUDS Ci,Cu 2 TEMP. 88.0 °F. 78.4 °F.
Period Type Amount Dry Wet

BAR. 29.91 in. REL. HUM. 64 % WIND 200 ° T. 1 VIS. 9
Direction Force Code

OBSERVED VALUES

| Depth | Temp. °C | Sal. ‰ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|
| 0 | 27.64 | 36.58 | 0.7 | 0.0 | 0 | 0.5 | 0.2 |
| 9 | 26.40 | 36.51 | 0.8 | 2.9 | 2 | 0.3 | 0.5 |
| 22 | 24.13 | *36.99 | 0.8 | 0.0 | 1 | 0.0 | 0.0 |
| 45 | 23.30 | 36.56 | 0.6 | 0.0 | 2 | 0.4 | 0.2 |
| 90 | 21.20 | 36.39 | 0.8 | 0.0 | 4 | 0.4 | 0.3 |
| 134 | 18.73 | 36.43 | 1.1 | 0.6 | 8 | 0.6 | 1.0 |
| 178 | 17.21 | 36.58 | 1.7 | 0.7 | 13 | --- | 0.2 |
| 221 | 15.20 | 35.97 | 1.6 | 0.9 | 14 | 0.2 | 0.1 |
| 263 | 13.73 | 35.86 | 1.6 | 1.1 | 8 | 0.4 | 0.1 |
| 347 | 11.34 | 35.59 | 2.2 | 1.5 | 20 | 0.3 | 0.6 |
| 430 | 8.92 | *36.51 | 2.4 | 1.9 | 29 | 0.4 | 0.7 |
| 514 | 7.68 | 34.96 | 2.8 | 0.2 | 24 | 0.6 | 0.2 |
| 678 | 6.03 | 34.85 | 2.8 | 2.0 | 16 | 0.6 | 0.1 |
| 845 | 5.24 | 35.59 | 2.6 | 1.8 | 23 | 0.6 | 0.2 |
| 1022 | 4.64 | 35.01 | 3.4 | 1.6 | 22 | 0.6 | 0.2 |
| 1312 | 4.26 | 34.99 | 2.5 | 1.7 | 5 | 0.2 | 1.1 |

* Values not used in drawing smooth curve.

STATION NO. 5-2C-21

VALUES AT STANDARD DEPTHS

| Depth | Temp. °C | Sal. ‰ | $\sigma_t$ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|---|
| 0 | 27.64 | 36.58 | 23.73 | 0.7 | 0.0 | 0 | 0.5 | 0.2 |
| 10 | 26.20 | 36.51 | 24.13 | 0.8 | 2.7 | 2 | 0.3 | 0.5 |
| 20 | 24.75 | 36.52 | 24.59 | 0.8 | 0.4 | 1 | 0.0 | 0.1 |
| 30 | 23.85 | 36.55 | 24.88 | 0.7 | 0.0 | 1 | 0.1 | 0.1 |
| 50 | 23.12 | 36.53 | 25.08 | 0.6 | 0.0 | 2 | 0.4 | 0.2 |
| 75 | 21.90 | 36.40 | 25.33 | 0.7 | 0.0 | 3 | 0.4 | 0.3 |
| 100 | 20.68 | 36.39 | 25.66 | 0.9 | 0.1 | 5 | 0.4 | 0.5 |
| 150 | 18.08 | 36.48 | 26.40 | 1.2 | 0.6 | 10 | 0.5 | 0.7 |
| 200 | 16.22 | 36.16 | 26.61 | 1.6 | 0.8 | 14 | 0.3 | 0.1 |
| 250 | 14.08 | 35.90 | 26.88 | 1.6 | 1.0 | 11 | 0.3 | 0.1 |
| 300 | 12.58 | 35.76 | 27.09 | 1.9 | 1.3 | 13 | 0.4 | 0.4 |
| 400 | 9.70 | 35.39 | 27.33 | 2.3 | 1.8 | 26 | 0.4 | 0.7 |
| 500 | 7.88 | 34.99 | 27.30 | 2.7 | 2.2 | 25 | 0.6 | 0.3 |
| 600 | 6.77 | 34.88 | 27.38 | 2.8 | 2.1 | 20 | 0.6 | 0.1 |
| 700 | 5.88 | 34.85 | 27.47 | 2.8 | 2.0 | 17 | 0.6 | 0.1 |
| 800 | 5.41 | 34.92 | 27.59 | 2.7 | 1.9 | 21 | 0.6 | 0.2 |
| 1000 | 4.72 | 35.01 | 27.74 | 3.3 | 1.6 | 22 | 0.6 | 0.2 |
| 1200 | 4.28 | 35.00 | 27.78 | 2.8 | 1.7 | 12 | 0.4 | 0.8 |

STATION NO. 5-20-22

DATE 29 5 1952 LAT. 25° 33' N. LONG. 85° 07' W.
Day Month Year

TIME 0009 DEPTH 1799 MAX. SAMPLE DEPTH -- WIRE ANGLE 20 °
GCT Faths. Meters

WATER COLOR 00 WEATHER 01 SEA 1 SWELL 270 ° T. 1 ft.
Code Code Code Direction Hgt.

4 sec. CLOUDS Cu 1 TEMP. 82.1 °F. 77.1 °F.
Period Type Amount Dry Wet

BAR. 29.8 in. REL. HUM. 80 % WIND 250 ° T. 2 VIS. 9
Direction Force Code

OBSERVED VALUES

| Depth | Temp. °C | Sal. ‰ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|
| 0 | 27.71 | 36.35 | 0.8 | 0.0 | 1 | 1.0 | 0.6 |
| 9 | 27.07 | 36.45 | 0.6 | 0.0 | 1 | 0.1 | --- |
| 23 | 24.59 | 36.81 | 0.6 | 0.2 | 3 | 0.0 | 0.1 |
| 46 | 22.23 | 36.74 | 1.6 | 0.3 | 3 | 0.6 | 0.9 |
| 94 | 19.90 | 36.65 | 0.9 | 0.4 | 7 | 0.2 | 0.2 |
| 143 | 16.98 | 36.22 | 1.2 | 0.5 | 9 | 0.5 | 0.0 |
| 191 | 15.65 | *36.74 | 1.4 | 0.8 | - | 0.4 | 0.2 |
| 240 | 14.41 | 36.27 | 1.6 | 0.9 | 11 | 0.4 | 0.1 |
| 289 | 13.01 | 35.61 | 2.1 | 1.3 | 22 | 0.0 | 0.4 |
| 387 | 10.59 | 35.32 | 2.2 | 1.9 | -- | 0.6 | 0.3 |
| 485 | 8.91 | 35.07 | 2.7 | 1.9 | 21 | --- | 0.2 |
| 583 | 7.34 | 34.96 | 2.8 | 1.9 | 29 | 0.4 | 0.0 |
| 782 | 5.58 | 34.95 | 2.6 | 1.9 | 19 | 0.4 | 0.4 |
| 982 | 4.76 | 35.01 | 2.6 | 1.6 | 26 | 0.5 | 1.2 |
| 1183 | 4.34 | 34.99 | 2.4 | 1.5 | 21 | 0.8 | 0.2 |

*Values not used in drawing smooth curves.

STATION NO. 5-2C-22

VALUES AT STANDARD DEPTHS

| Depth | Temp. °C | Sal. ‰ | $\sigma_t$ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|---|
| 0 | 27.71 | 36.35 | 23.53 | 0.8 | 0.0 | 1 | 1.0 | 0.6 |
| 10 | 26.50 | 36.50 | 24.03 | 0.6 | 0.0 | 1 | 0.1 | 0.4 |
| 20 | 24.60 | 36.78 | 24.83 | 0.6 | 0.1 | 3 | 0.0 | 0.2 |
| 30 | 23.56 | 36.80 | 25.16 | 0.9 | 0.2 | 3 | 0.2 | 0.3 |
| 50 | 21.73 | 36.73 | 25.63 | 1.5 | 0.3 | 3 | 0.6 | 0.8 |
| 75 | 20.52 | 36.69 | 25.93 | 1.2 | 0.4 | 5 | 0.4 | 0.5 |
| 100 | 19.58 | 36.57 | 26.09 | 0.9 | 0.4 | 7 | 0.2 | 0.2 |
| 150 | 16.68 | 36.23 | 26.55 | 1.2 | 0.5 | 9 | 0.5 | 0.0 |
| 200 | 15.46 | 36.34 | 26.92 | 1.4 | 0.8 | 10 | 0.4 | 0.2 |
| 250 | 14.09 | 35.91 | 26.89 | 1.7 | 1.0 | 13 | 0.3 | 0.2 |
| 300 | 12.72 | 35.58 | 26.92 | 2.1 | 1.4 | 22 | 0.1 | 0.4 |
| 400 | 10.31 | 35.28 | 27.14 | 2.3 | 1.9 | 21 | 0.9 | 0.3 |
| 500 | 8.68 | 35.05 | 27.23 | 2.7 | 1.9 | 22 | 2.6 | 0.2 |
| 600 | 7.18 | 34.95 | 27.38 | 2.8 | 1.9 | 28 | 0.4 | 0.0 |
| 700 | 6.18 | 34.94 | 27.51 | 2.7 | 1.9 | 23 | 0.4 | 0.2 |
| 800 | 5.48 | 34.95 | 27.60 | 2.6 | 1.9 | 20 | 0.4 | 0.5 |
| 1000 | 4.70 | 35.01 | 27.74 | 2.6 | 1.6 | 26 | 0.5 | 1.1 |
| 1200 | (4.34) | (34.99) | 27.76 | - | - | -- | - | - |

() Extrapolated values.

STATION NO. 5-2C-23

DATE 30 5 1952 LAT. 26° 00' N. LONG. 85° 15' W.
Day Month Year

TIME 0451 DEPTH 1820 MAX. SAMPLE DEPTH --- WIRE ANGLE 7 °
GCT Faths. Meters

WATER COLOR -- WEATHER 01 SEA 2 SWELL -- ° T. -- ft.
Code Code Code Direction Hgt.

-- sec. CLOUDS -- -- TEMP. 81.0 °F. 76.5 °F.
Period Type Amount Dry Wet

BAR. 29.87 in. REL. HUM. 80 % WIND 180 ° T. 2 VIS. --
Direction Force Code

OBSERVED VALUES

| Depth | Temp. °C | Sal. ‰ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|
| 0 | 27.15 | 37.11 | 0.6 | 0.0 | 0 | 0.0 | 0.4 |
| 10 | 27.20 | 37.44 | 0.6 | 0.0 | 2 | 0.2 | 0.6 |
| 24 | 24.80 | 37.23 | 1.6 | 0.1 | 1 | 0.5 | 0.3 |
| 49 | 22.96 | 37.29 | 1.6 | 0.0 | 1 | 0.2 | 0.4 |
| 98 | 19.74 | 36.53 | 0.8 | 0.4 | 7 | 0.0 | 0.1 |
| 148 | 16.73 | 36.60 | 2.0 | 0.7 | 7 | 0.5 | 0.0 |
| 198 | 14.91 | 36.78 | 1.8 | 0.9 | 14 | 0.0 | 0.4 |
| 248 | 13.24 | 35.70 | 1.7 | 1.1 | 17 | 0.1 | 0.2 |
| 297 | 11.90 | 35.46 | 1.6 | 1.2 | 17 | 0.2 | 0.0 |
| 396 | 9.77 | 35.17 | 2.7 | 1.5 | 21 | 0.9 | 0.6 |
| 495 | 8.33 | 35.00 | 2.9 | 1.9 | 17 | 0.7 | --- |
| 594 | 6.96 | 35.01 | 2.8 | 2.0 | 31 | 0.8 | 0.5 |
| 789 | 5.54 | 34.93 | 3.4 | 1.7 | 27 | 1.7 | 0.9 |
| 986 | 4.66 | 35.01 | 2.8 | 1.6 | 17 | 1.2 | 0.3 |
| 1185 | 4.33 | 34.97 | 2.5 | 1.6 | 13 | 0.0 | 0.4 |
| 1489 | 4.24 | 35.03 | 1.7 | 1.5 | 21 | --- | 0.7 |

STATION NO. 5-2C-23

VALUES AT STANDARD DEPTHS

| Depth | Temp. °C | Sal. ‰ | $\sigma_t$ | Total $PO_4$-P | Inorg. $PO_4$-P | $NO_3$-N | Carb. Mg/l | Prot. Mg/l |
|---|---|---|---|---|---|---|---|---|
| 0 | 27.15 | 37.11 | 24.28 | 0.6 | 0.0 | 0 | 0.0 | 0.4 |
| 10 | 27.20 | 37.44 | 24.51 | 0.6 | 0.0 | 2 | 0.2 | 0.6 |
| 20 | 26.10 | 37.24 | 24.72 | 1.3 | 0.1 | 1 | 0.4 | 0.4 |
| 30 | 24.23 | 37.24 | 25.28 | 1.6 | 0.1 | 1 | 0.5 | 0.3 |
| 50 | 22.84 | 36.82 | 25.38 | 1.6 | 0.0 | 1 | 0.2 | 0.4 |
| 75 | 21.09 | 36.57 | 25.69 | 1.2 | 0.2 | 4 | 0.1 | 0.2 |
| 100 | 19.67 | 36.53 | 26.04 | 0.8 | 0.4 | 7 | 0.0 | 0.1 |
| 150 | 16.56 | 36.61 | 26.87 | 2.0 | 0.7 | 7 | 0.5 | 0.0 |
| 200 | 14.80 | 36.77 | 27.40 | 1.8 | 0.9 | 14 | 0.0 | 0.4 |
| 250 | 13.18 | 35.66 | 26.89 | 1.7 | 1.0 | 17 | 0.1 | 0.2 |
| 300 | 11.84 | 35.45 | 26.99 | 1.6 | 1.2 | 17 | 0.2 | 0.0 |
| 400 | 9.70 | 35.17 | 27.16 | 2.7 | 1.5 | 21 | 0.9 | 0.6 |
| 500 | 8.23 | 35.00 | 27.26 | 2.9 | 1.9 | 18 | 0.7 | 0.6 |
| 600 | 6.90 | 35.01 | 27.46 | 2.8 | 2.0 | 31 | 0.8 | 0.5 |
| 700 | 6.10 | 34.98 | 27.54 | 3.1 | 1.8 | 29 | 1.3 | 0.7 |
| 800 | 5.48 | 34.93 | 27.58 | 3.3 | 1.7 | 26 | 1.7 | 0.9 |
| 1000 | 4.62 | 35.01 | 27.74 | 2.8 | 1.6 | 17 | 1.1 | 0.3 |
| 1200 | 4.31 | 34.97 | 27.75 | 2.5 | 1.6 | 13 | 0.1 | 0.4 |
| 1500 | (4.23) | (35.04) | 27.81 | - | - | -- | - | - |

( ) Extrapolated values.