

APPENDIX C - NELHA Pipeline Data Tables and Graphs

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| Surface Seawater 28" Pipeline | Appendix C-SSW28-1 |
| Surface Seawater 24" Pipeline..... | Appendix C-SSW24-1 |
| Surface Seawater 55" Pipeline..... | Appendix C-SSW55-1 |
| Deep Seawater 40" Pipeline..... | Appendix C-DSW40-1 |
| Deep Seawater 18" Pipeline | Appendix C-DSW18-1 |
| Deep Seawater 55" Pipeline..... | Appendix C-DSW55-1 |

NELHA Water Quality Laboratory
SSW 28"
Intake Depth: 21 m, Offshore Pipe Length: 163 m

| SITE ID | DATE MD/Y | TIME (2400) | PO ₄ ³⁻ (µM) | (µg P/L) | NO ₃ ⁻ & NO ₂ ⁻ (µM) | (µg N/L) | NH ₄ ⁺ & NH ₃ (µM) | (µg N/L) | Si (µM) | (µg Si/L) | TDP (µM) | (µg P/L) | TDN (µM) | (µg N/L) | TOC (mgC/L) | TSS (mg/L) | Turbidity (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL |
|---------|--------------|----------------|---------------------------------------|----------|---|----------|--|----------|------------|-----------|-------------|----------|-------------|----------|----------------|---------------|--------------------|----------------|-------------------|--------------|--------------|-------------|---------------------|---|
| SSW28* | 7/24/82 | | 0.11 | 3.4 | 0.14 | 2.0 | | | 2.3 | 66 | | | | | | | | | 34.466 | 27.0 | | | | |
| SSW28* | 8/3/82 | | 0.17 | 5.3 | 0.19 | 2.7 | | | 2.9 | 82 | | | | | | | | | 34.482 | 27.8 | | | | |
| SSW28* | 8/10/82 | | 0.08 | 2.5 | 0.28 | 3.9 | | | 3.7 | 104 | | | | | | | | | 34.458 | 27.6 | | | | |
| SSW28* | 8/17/82 | | 0.10 | 3.1 | 0.34 | 4.8 | | | 3.9 | 110 | | | | | | | | | 34.446 | 27.4 | | | | |
| SSW28* | 8/23/82 | | 0.10 | 3.1 | 0.43 | 6.0 | | | 6.0 | 170 | | | | | | | | | 34.537 | 27.6 | | | | |
| SSW28* | 9/1/82 | | 0.12 | 3.7 | 0.09 | 1.3 | | | 1.8 | 51 | | | | | | | | | 34.544 | 27.6 | | | | |
| SSW28* | 9/10/82 | | 0.12 | 3.7 | 0.18 | 2.5 | | | 3.8 | 106 | | | | | | | | | 34.540 | 27.9 | | | | |
| SSW28* | 9/17/82 | | 0.11 | 3.4 | 0.47 | 6.6 | | | 11.5 | 324 | | | | | | | | | 34.442 | 27.6 | | | | |
| SSW28* | 9/20/82 | | 0.08 | 2.5 | 0.18 | 2.5 | | | 3.6 | 101 | | | | | | | | | 34.395 | 27.6 | | | | |
| SSW28* | 9/29/82 | | 0.12 | 3.7 | 0.23 | 3.2 | | | 6.2 | 173 | | | | | | | | | 34.329 | 27.5 | | | | |
| SSW28* | 10/6/82 | | 0.21 | 6.5 | 0.17 | 2.4 | | | 4.6 | 130 | | | | | | | | | 34.403 | 27.5 | | | | |
| SSW28* | 10/14/82 | | 0.17 | 5.3 | 0.12 | 1.7 | | | 3.5 | 99 | | | | | | | | | 34.438 | 27.3 | | | | |
| SSW28* | 10/18/82 | | 0.15 | 4.6 | 0.14 | 2.0 | | | 3.0 | 83 | | | | | | | | | 34.572 | 27.6 | | | | |
| SSW28* | 10/28/82 | | 0.13 | 4.0 | 0.14 | 2.0 | | | 2.1 | 58 | | | | | | | | | 34.595 | 27.4 | | | | |
| SSW28* | 11/4/82 | | 0.11 | 3.4 | 0.14 | 2.0 | | | 2.3 | 65 | | | | | | | | | 34.595 | 27.6 | | | | |
| SSW28* | 11/10/82 | | 0.12 | 3.7 | 0.17 | 2.4 | | | 2.3 | 65 | | | | | | | | | 34.607 | 27.4 | | | | |
| SSW28* | 11/17/82 | | 0.11 | 3.4 | 0.19 | 2.7 | | | 2.1 | 60 | | | | | | | | | 34.670 | 27.2 | | | | |
| SSW28* | 11/22/82 | | 0.12 | 3.7 | 0.17 | 2.4 | | | 2.3 | 65 | | | | | | | | | 34.709 | 26.7 | | | | |
| SSW28* | 12/7/82 | | 0.13 | 4.0 | 0.11 | 1.5 | | | 3.0 | 85 | | | | | | | | | 34.627 | 26.2 | | | | |
| SSW28* | 12/20/82 | | 0.16 | 5.0 | 0.08 | 1.1 | | | 2.1 | 58 | | | | | | | | | 34.682 | 25.8 | | | | |
| SSW28* | 12/23/82 | | 0.20 | 6.2 | 0.19 | 2.7 | | | 7.2 | 201 | | | | | | | | | 34.694 | 25.2 | | | | |
| SSW28* | 12/27/82 | | 0.17 | 5.3 | 0.14 | 2.0 | | | 1.9 | 53 | | | | | | | | | 34.737 | 25.1 | | | | |
| SSW28* | 1/5/83 | | 0.16 | 5.0 | 0.11 | 1.5 | | | 3.0 | 85 | | | | | | | | | 34.635 | 25.3 | | | | |
| SSW28* | 1/10/83 | | 0.18 | 5.6 | 0.11 | 1.5 | | | 3.4 | 95 | | | | | | | | | 34.658 | 25.3 | | | | |
| SSW28* | 1/19/83 | | 0.16 | 5.0 | 0.08 | 1.1 | | | 2.9 | 80 | | | | | | | | | 34.760 | 25.4 | | | | |
| SSW28* | 1/27/83 | | 0.16 | 5.0 | 0.08 | 1.1 | | | 2.9 | 80 | | | | | | | | | 34.756 | 24.8 | | | | |
| SSW28* | 2/4/83 | | 0.16 | 5.0 | 0.11 | 1.5 | | | 2.9 | 80 | | | | | | | | | 34.776 | 24.9 | | | | |
| SSW28* | 2/10/83 | | 0.15 | 4.6 | 0.05 | 0.7 | | | 3.7 | 105 | | | | | | | | | 34.772 | 24.3 | | | | |
| SSW28* | 2/18/83 | | 0.18 | 5.6 | 0.14 | 2.0 | | | 3.4 | 95 | | | | | | | | | 34.792 | 24.7 | | | | |
| SSW28* | 2/22/83 | | 0.14 | 4.3 | 0.14 | 2.0 | | | 2.9 | 80 | | | | | | | | | 34.858 | 24.9 | | | | |
| SSW28* | 3/1/83 | | 0.04 | 1.2 | 0.10 | 1.4 | | | 3.0 | 83 | | | | | | | | | 34.874 | 25.1 | | | | |
| SSW28* | 3/11/83 | | 0.06 | 1.9 | 0.25 | 3.5 | | | 4.1 | 116 | | | | | | | | | 34.837 | 25.4 | | | | |
| SSW28* | 3/18/83 | | 0.06 | 1.9 | 0.21 | 2.9 | | | 3.0 | 83 | | | | | | | | | 34.855 | 24.9 | | | | |
| SSW28* | 3/24/83 | | 0.09 | 2.8 | 0.12 | 1.7 | | | 2.8 | 78 | | | | | | | | | 34.846 | 24.9 | | | | |
| SSW28* | 3/31/83 | | 0.10 | 3.1 | 0.12 | 1.7 | | | 2.0 | 55 | | | | | | | | | 34.753 | 24.9 | | | | |
| SSW28* | 4/6/83 | | 0.09 | 2.8 | 0.21 | 2.9 | | | 2.8 | 78 | | | | | | | | | 34.770 | 25.3 | | | | |
| SSW28* | 4/16/83 | | 0.12 | 3.7 | 0.21 | 2.9 | | | 3.4 | 94 | | | | | | | | | 34.730 | 25.2 | | | | |
| SSW28* | 4/21/83 | | 0.14 | 4.3 | 0.16 | 2.2 | | | 6.5 | 183 | | | | | | | | | 34.721 | 25.7 | | | | |
| SSW28* | 4/25/83 | | 0.10 | 3.1 | 0.12 | 1.7 | | | 3.5 | 99 | | | | | | | | | 34.780 | 25.2 | | | | |
| SSW28* | 5/7/83 | | 0.16 | 5.0 | 0.14 | 2.0 | | | 2.7 | 76 | | | | | | | | | 34.700 | 25.1 | | | | |
| SSW28* | 5/10/83 | | 0.15 | 4.6 | 0.03 | 0.4 | | | 3.4 | 96 | | | | | | | | | 34.701 | 25.2 | | | | |
| SSW28* | 5/19/83 | | 0.17 | 5.3 | 0.24 | 3.4 | | | 5.4 | 152 | | | | | | | | | 34.538 | 25.4 | | | | |
| SSW28* | 5/26/83 | | 0.18 | 5.6 | 0.07 | 1.0 | | | 3.4 | 96 | | | | | | | | | 34.710 | 25.2 | | | | |
| SSW28* | 6/2/83 | | 0.16 | 5.0 | 0.10 | 1.4 | | | 3.2 | 91 | | | | | | | | | 34.629 | 25.9 | | | | |
| SSW28* | 6/7/83 | | 0.17 | 5.3 | 0.14 | 2.0 | | | 3.4 | 96 | | | | | | | | | 34.795 | 25.6 | | | | |
| SSW28* | 6/16/83 | | 0.15 | 4.6 | 0.10 | 1.4 | | | 2.9 | 81 | | | | | | | | | 34.840 | 26.1 | | | | |
| SSW28* | 6/23/83 | | 0.15 | 4.6 | 0.07 | 1.0 | | | 2.3 | 66 | | | | | | | | | 34.844 | 26.2 | | | | |
| SSW28* | 6/29/83 | | 0.17 | 5.3 | 0.17 | 2.4 | | | 3.6 | 101 | | | | | | | | | 34.784 | 26.1 | | | | |

NELHA Water Quality Laboratory
SSW 28"
Intake Depth: 21 m, Offshore Pipe Length: 163 m

| SITE ID | DATE MD/Y | TIME (2400) | PO ₄ ³⁻ (µM) | (µg P/L) | NO ₃ ⁻ & NO ₂ ⁻ (µM) | (µg N/L) | NH ₄ ⁺ & NH ₃ (µM) | (µg N/L) | Si (µM) | (µg Si/L) | TDP (µM) | (µg P/L) | TDN (µM) | (µg N/L) | TOC (mgC/L) | TSS (mg/L) | Turbidity (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL |
|---------|--------------|----------------|---------------------------------------|----------|---|----------|--|----------|------------|-----------|-------------|----------|-------------|----------|----------------|---------------|--------------------|----------------|-------------------|--------------|--------------|-------------|---------------------|---|
| SSW28* | 7/7/83 | | 0.17 | 5.3 | 0.24 | 3.4 | | | 4.7 | 131 | | | | | | | | | 34.764 | 25.9 | | | | |
| SSW28* | 7/14/83 | | 0.17 | 5.3 | 0.18 | 2.5 | | | 4.9 | 138 | | | | | | | | | 34.713 | 25.6 | | | | |
| SSW28* | 7/21/83 | | 0.16 | 5.0 | 0.15 | 2.1 | | | 2.1 | 59 | | | | | | | | | 34.774 | 26.2 | | | | |
| SSW28* | 7/28/83 | | 0.17 | 5.3 | 0.17 | 2.4 | | | 3.9 | 110 | | | | | | | | | 34.752 | 26.1 | | | | |
| SSW28* | 8/3/83 | | 0.18 | 5.6 | 0.36 | 5.0 | | | 4.1 | 114 | | | | | | | | | 34.775 | 25.9 | | | | |
| SSW28* | 8/11/83 | | 0.15 | 4.6 | 0.15 | 2.1 | | | 2.7 | 76 | | | | | | | | | 34.794 | 26.5 | | | | |
| SSW28* | 8/20/83 | | 0.15 | 4.6 | 0.12 | 1.7 | | | 3.1 | 86 | | | | | | | | | 34.766 | 26.5 | | | | |
| SSW28* | 8/26/83 | | 0.16 | 5.0 | 0.18 | 2.5 | | | 4.1 | 114 | | | | | | | | | 34.787 | 26.7 | | | | |
| SSW28* | 8/29/83 | | 0.15 | 4.6 | 0.18 | 2.5 | | | 3.7 | 105 | | | | | | | | | 34.795 | 26.6 | | | | |
| SSW28* | 9/8/83 | | 0.16 | 5.0 | 0.17 | 2.4 | | | 4.0 | 112 | | | | | | | | | 34.768 | 26.5 | | | | |
| SSW28* | 9/14/83 | | 0.17 | 5.3 | 0.17 | 2.4 | | | 2.8 | 78 | | | | | | | | | 34.837 | 27.0 | | | | |
| SSW28* | 9/22/83 | | 0.16 | 5.0 | 0.23 | 3.2 | | | 5.0 | 142 | | | | | | | | | 34.866 | 26.8 | | | | |
| SSW28* | 9/29/83 | | 0.17 | 5.3 | 0.16 | 2.2 | | | 2.9 | 82 | | | | | | | | | 34.890 | 26.3 | | | | |
| SSW28* | 10/8/83 | | 0.15 | 4.6 | 0.22 | 3.1 | | | 4.1 | 115 | | | | | | | | | 34.886 | 26.8 | | | | |
| SSW28* | 10/15/83 | | 0.15 | 4.6 | 0.19 | 2.7 | | | 4.1 | 115 | | | | | | | | | 34.927 | 26.6 | | | | |
| SSW28* | 10/21/83 | | 0.15 | 4.6 | 0.16 | 2.2 | | | 5.0 | 139 | | | | | | | | | 34.929 | 26.7 | | | | |
| SSW28* | 10/24/83 | | 0.15 | 4.6 | 0.09 | 1.3 | | | 4.4 | 125 | | | | | | | | | 34.924 | 27.5 | | | | |
| SSW28* | 11/3/83 | | 0.16 | 5.0 | 0.18 | 2.5 | | | 2.5 | 71 | | | | | | | | | 34.890 | 26.5 | | | | |
| SSW28* | 11/10/83 | | 0.13 | 4.0 | 0.14 | 2.0 | | | 2.5 | 71 | | | | | | | | | 35.003 | 26.1 | | | | |
| SSW28* | 11/18/83 | | 0.11 | 3.4 | 0.11 | 1.5 | | | 2.7 | 76 | | | | | | | | | 35.002 | 26.4 | | | | |
| SSW28* | 11/21/83 | | 0.13 | 4.0 | 0.18 | 2.5 | | | 2.9 | 80 | | | | | | | | | 35.003 | 26.6 | | | | |
| SSW28* | 11/30/83 | | 0.17 | 5.3 | 0.07 | 1.0 | | | 2.6 | 73 | | | | | | | | | 35.003 | 26.4 | | | | |
| SSW28* | 12/8/83 | | 0.17 | 5.3 | 0.17 | 2.4 | | | 2.2 | 63 | | | | | | | | | 35.047 | 26.5 | | | | |
| SSW28* | 12/13/83 | | 0.21 | 6.5 | 0.10 | 1.4 | | | 2.4 | 68 | | | | | | | | | 34.961 | 26.4 | | | | |
| SSW28* | 12/21/83 | | 0.18 | 5.6 | 0.07 | 1.0 | | | 2.6 | 73 | | | | | | | | | 34.995 | 25.7 | | | | |
| SSW28* | 12/28/83 | | 0.18 | 5.6 | 0.12 | 1.7 | | | 1.9 | 53 | | | | | | | | | 34.894 | 25.9 | | | | |
| SSW28* | 1/6/84 | | 0.13 | 4.0 | 0.15 | 2.1 | | | 2.2 | 62 | | | | | | | | | 34.972 | 25.6 | | | | |
| SSW28* | 1/13/84 | | 0.15 | 4.6 | 0.24 | 3.4 | | | 2.3 | 64 | | | | | | | | | 34.965 | 25.7 | | | | |
| SSW28* | 1/20/84 | | 0.12 | 3.7 | 0.12 | 1.7 | | | 1.8 | 51 | | | | | | | | | 35.016 | 25.3 | | | | |
| SSW28* | 1/25/84 | | 0.15 | 4.6 | 0.18 | 2.5 | | | 2.8 | 79 | | | | | | | | | 34.886 | 25.6 | | | | |
| SSW28* | 2/3/84 | | 0.13 | 4.0 | 0.12 | 1.7 | | | 2.0 | 56 | | | | | | | | | 35.047 | 25.1 | | | | |
| SSW28* | 2/10/84 | | 0.14 | 4.3 | 0.21 | 2.9 | | | 3.2 | 89 | | | | | | | | | 34.980 | 24.8 | | | | |
| SSW28* | 2/15/84 | | 0.14 | 4.3 | 0.09 | 1.3 | | | 2.2 | 61 | | | | | | | | | 34.972 | 25.2 | | | | |
| SSW28* | 2/24/84 | | 0.14 | 4.3 | 0.12 | 1.7 | | | 2.8 | 79 | | | | | | | | | 34.932 | 25.2 | | | | |
| SSW28* | 2/29/84 | | 0.17 | 5.3 | 0.12 | 1.7 | | | 3.0 | 84 | | | | | | | | | 34.933 | 25.2 | | | | |
| SSW28* | 3/9/84 | | 0.18 | 5.6 | 0.10 | 1.4 | | | 2.8 | 78 | | | | | | | | | 34.893 | 25.5 | | | | |
| SSW28* | 3/16/84 | | 0.19 | 5.9 | 0.21 | 2.9 | | | 4.5 | 126 | | | | | | | | | 34.801 | 26.0 | | | | |
| SSW28* | 3/23/84 | | 0.18 | 5.6 | 0.14 | 2.0 | | | 3.6 | 102 | | | | | | | | | 34.796 | 26.0 | | | | |
| SSW28* | 3/27/84 | | 0.19 | 5.9 | 0.17 | 2.4 | | | 3.8 | 106 | | | | | | | | | 34.739 | 25.5 | | | | |
| SSW28* | 4/13/84 | | 0.18 | 5.6 | 0.05 | 0.7 | | | 2.3 | 65 | | | | | | | | | 34.850 | 25.1 | | | | |
| SSW28* | 4/19/84 | | 0.18 | 5.6 | 0.22 | 3.1 | | | 3.3 | 94 | | | | | | | | | 34.864 | 25.4 | | | | |
| SSW28* | 4/25/84 | | 0.17 | 5.3 | 0.22 | 3.1 | | | 2.3 | 65 | | | | | | | | | 34.931 | 25.3 | | | | |
| SSW28* | 5/4/84 | | 0.16 | 5.0 | 0.27 | 3.8 | | | 2.9 | 82 | | | | | | | | | 34.899 | 25.7 | | | | |
| SSW28* | 5/10/84 | | 0.18 | 5.6 | 0.19 | 2.7 | | | 2.4 | 67 | | | | | | | | | 34.880 | 25.6 | | | | |
| SSW28* | 5/18/84 | | 0.17 | 5.3 | 0.27 | 3.8 | | | 3.8 | 106 | | | | | | | | | 34.811 | 25.3 | | | | |
| SSW28* | 5/25/84 | | 0.14 | 4.3 | 0.25 | 3.5 | | | 4.3 | 120 | | | | | | | | | 34.794 | 25.9 | | | | |
| SSW28* | 5/29/84 | | 0.21 | 6.5 | 0.25 | 3.5 | | | 2.6 | 72 | | | | | | | | | 34.820 | 25.5 | | | | |
| SSW28* | 6/6/84 | | 0.18 | 5.6 | 0.14 | 2.0 | | | 2.3 | 65 | | | | | | | | | 34.971 | 26.1 | | | | |
| SSW28* | 6/16/84 | | 0.16 | 5.0 | 0.14 | 2.0 | | | 2.4 | 67 | | | | | | | | | 34.842 | 26.1 | | | | |
| SSW28* | 6/22/84 | | 0.16 | 5.0 | 0.22 | 3.1 | | | 2.8 | 79 | | | | | | | | | 34.921 | 26.4 | | | | |
| SSW28* | 6/29/84 | | 0.18 | 5.6 | 0.39 | 5.5 | | | 5.1 | 144 | | | | | | | | | 34.938 | 26.5 | | | | |

NELHA Water Quality Laboratory
SSW 28"
Intake Depth: 21 m, Offshore Pipe Length: 163 m

| SITE ID | DATE MD/Y | TIME (2400) | PO ₄ ³⁻ (µM) | (µg P/L) | NO ₃ ⁻ & NO ₂ ⁻ (µM) | (µg N/L) | NH ₄ ⁺ & NH ₃ (µM) | (µg N/L) | Si (µM) | (µg Si/L) | TDP (µM) | (µg P/L) | TDN (µM) | (µg N/L) | TOC (mgC/L) | TSS (mg/L) | Turbidity (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL |
|---------|--------------|----------------|---------------------------------------|----------|---|----------|--|----------|------------|-----------|-------------|----------|-------------|----------|----------------|---------------|--------------------|----------------|-------------------|--------------|--------------|-------------|---------------------|---|
| SSW28* | 7/6/84 | | 0.15 | 4.6 | 0.22 | 3.1 | | | 3.6 | 102 | | | | | | | | | 34.976 | 26.5 | | | | |
| SSW28* | 7/13/84 | | 0.13 | 4.0 | 0.22 | 3.1 | | | 4.0 | 112 | | | | | | | | | 34.933 | 26.7 | | | | |
| SSW28* | 7/19/84 | | 0.11 | 3.4 | 0.24 | 3.4 | | | 3.3 | 92 | | | | | | | | | 34.882 | 26.7 | | | | |
| SSW28* | 7/27/84 | | 0.12 | 3.7 | 0.19 | 2.7 | | | 3.1 | 88 | | | | | | | | | 34.961 | 26.9 | | | | |
| SSW28* | 8/3/84 | | 0.21 | 6.5 | 0.19 | 2.7 | | | 2.0 | 55 | | | | | | | | | 35.004 | 27.0 | | | | |
| SSW28* | 8/10/84 | | 0.15 | 4.6 | 0.11 | 1.5 | | | 2.5 | 70 | | | | | | | | | 35.000 | 25.9 | | | | |
| SSW28* | 8/16/84 | | 0.16 | 5.0 | 0.11 | 1.5 | | | 1.4 | 40 | | | | | | | | | 34.992 | 26.3 | | | | |
| SSW28* | 8/25/84 | | 0.20 | 6.2 | 0.24 | 3.4 | | | 3.2 | 90 | | | | | | | | | 35.012 | 26.6 | | | | |
| SSW28* | 9/8/84 | | 0.20 | 6.2 | 0.12 | 1.7 | | | 2.0 | 55 | | | | | | | | | 35.018 | 26.4 | | | | |
| SSW28* | 9/13/84 | | 0.25 | 7.7 | 0.24 | 3.4 | | | 3.0 | 85 | | | | | | | | | 34.893 | 26.7 | | | | |
| SSW28* | 9/21/84 | | 0.18 | 5.6 | 0.15 | 2.1 | | | 1.4 | 40 | | | | | | | | | 34.961 | 27.0 | | | | |
| SSW28* | 9/28/84 | | 0.19 | 5.9 | 0.21 | 2.9 | | | 3.2 | 91 | | | | | | | | | 35.059 | 27.5 | | | | |
| SSW28* | 10/5/84 | | 0.21 | 6.5 | 0.25 | 3.5 | | | 4.0 | 111 | | | | | | | | | 35.064 | 27.4 | | | | |
| SSW28* | 10/12/84 | | 0.14 | 4.3 | 0.14 | 2.0 | | | 2.3 | 65 | | | | | | | | | 35.112 | 27.2 | | | | |
| SSW28* | 10/19/84 | | 0.14 | 4.3 | 0.20 | 2.8 | | | 2.0 | 55 | | | | | | | | | 35.147 | 27.7 | | | | |
| SSW28* | 10/29/84 | | 0.16 | 5.0 | 0.19 | 2.7 | | | 1.1 | 30 | | | | | | | | | 35.053 | 27.1 | | | | |
| SSW28* | 11/2/84 | | 0.15 | 4.6 | 0.20 | 2.8 | | | 1.8 | 50 | | | | | | | | | 35.094 | 27.6 | | | | |
| SSW28* | 11/9/84 | | 0.16 | 5.0 | 0.13 | 1.8 | | | 1.4 | 40 | | | | | | | | | 35.083 | 26.7 | | | | |
| SSW28* | 11/16/84 | | 0.16 | 5.0 | 0.10 | 1.4 | | | 1.4 | 40 | | | | | | | | | 35.167 | 26.3 | | | | |
| SSW28* | 11/23/84 | | 0.12 | 3.7 | 0.20 | 2.8 | | | 1.6 | 45 | | | | | | | | | 35.196 | 26.3 | | | | |
| SSW28* | 11/30/84 | | 0.14 | 4.3 | 0.23 | 3.2 | | | 2.0 | 55 | | | | | | | | | 35.183 | 26.2 | | | | |
| SSW28* | 12/7/84 | | 0.18 | 5.6 | 0.19 | 2.7 | | | 1.9 | 54 | | | | | | | | | 35.181 | 26.1 | | | | |
| SSW28* | 12/14/84 | | 0.19 | 5.9 | 0.25 | 3.5 | | | 1.5 | 43 | | | | | | | | | 34.751 | 25.3 | | | | |
| SSW28* | 12/21/84 | | 0.19 | 5.9 | 0.36 | 5.0 | | | 5.0 | 140 | | | | | | | | | 35.006 | 25.7 | | | | |
| SSW28* | 12/27/84 | | 0.18 | 5.6 | 0.24 | 3.4 | | | 1.5 | 43 | | | | | | | | | 34.554 | 24.9 | | | | |
| SSW28* | 1/4/85 | | 0.19 | 5.9 | 0.35 | 4.9 | | | 3.0 | 84 | | | | | | | | | 34.504 | 24.9 | | | | |
| SSW28* | 1/11/85 | | 0.18 | 5.6 | 0.25 | 3.5 | | | 2.2 | 63 | | | | | | | | | 34.642 | 24.9 | | | | |
| SSW28* | 1/18/85 | | 0.15 | 4.6 | 0.25 | 3.5 | | | 1.9 | 53 | | | | | | | | | 34.835 | 24.5 | | | | |
| SSW28* | 1/25/85 | | 0.15 | 4.6 | 0.18 | 2.5 | | | 2.4 | 68 | | | | | | | | | 34.882 | 25.1 | | | | |
| SSW28* | 2/1/85 | | 0.15 | 4.6 | 0.35 | 4.9 | | | 3.6 | 100 | | | | | | | | | 34.916 | 24.5 | | | | |
| SSW28* | 2/8/85 | | 0.14 | 4.3 | 0.32 | 4.5 | | | 2.1 | 58 | | | | | | | | | 34.914 | 24.8 | | | | |
| SSW28* | 2/15/85 | | 0.14 | 4.3 | 0.23 | 3.2 | | | 1.4 | 40 | | | | | | | | | 34.965 | 24.7 | | | | |
| SSW28* | 2/21/85 | | 0.18 | 5.6 | 0.25 | 3.5 | | | 3.0 | 84 | | | | | | | | | 34.784 | 25.0 | | | | |
| SSW28* | 3/1/85 | | 0.18 | 5.6 | 0.24 | 3.4 | | | 2.5 | 69 | | | | | | | | | 34.544 | 24.7 | | | | |
| SSW28* | 3/9/85 | | 0.14 | 4.3 | 0.21 | 2.9 | | | 1.7 | 48 | | | | | | | | | 34.756 | 24.4 | | | | |
| SSW28* | 3/15/85 | | 0.17 | 5.3 | 0.18 | 2.5 | | | 1.7 | 48 | | | | | | | | | 34.690 | 24.4 | | | | |
| SSW28* | 3/22/85 | | 0.20 | 6.2 | 0.60 | 8.4 | | | 16.0 | 449 | | | | | | | | | 34.914 | 24.0 | | | | |
| SSW28* | 3/30/85 | | 0.16 | 5.0 | 0.24 | 3.4 | | | 2.4 | 68 | | | | | | | | | 34.803 | 24.5 | | | | |
| SSW28* | 4/5/85 | | 0.15 | 4.6 | 0.22 | 3.1 | | | 2.1 | 58 | | | | | | | | | 34.933 | 23.9 | | | | |
| SSW28* | 4/12/85 | | 0.18 | 5.6 | 0.22 | 3.1 | | | 1.7 | 47 | | | | | | | | | 35.028 | 23.9 | | | | |
| SSW28* | 4/19/85 | | 0.20 | 6.2 | 0.22 | 3.1 | | | 2.1 | 58 | | | | | | | | | 34.729 | 23.7 | | | | |
| SSW28* | 4/26/85 | | 0.19 | 5.9 | 0.27 | 3.8 | | | 2.9 | 82 | | | | | | | | | 34.623 | 24.2 | | | | |
| SSW28* | 5/3/85 | | 0.19 | 5.9 | 0.18 | 2.5 | | | 2.6 | 74 | | | | | | | | | 34.776 | 24.9 | | | | |
| SSW28* | 5/10/85 | | 0.24 | 7.4 | 0.28 | 3.9 | | | 3.0 | 85 | | | | | | | | | 34.607 | 24.8 | | | | |
| SSW28* | 5/17/85 | | 0.22 | 6.8 | 0.30 | 4.2 | | | 1.6 | 45 | | | | | | | | | 34.489 | 24.9 | | | | |
| SSW28* | 5/29/85 | | 0.23 | 7.1 | 0.18 | 2.5 | | | 2.4 | 68 | | | | | | | | | 34.552 | 25.6 | | | | |
| SSW28* | 6/9/85 | | 0.23 | 7.1 | 0.29 | 4.1 | | | 2.8 | 78 | | | | | | | | | 34.580 | 25.8 | | | | |
| SSW28* | 6/14/85 | | 0.22 | 6.8 | 0.26 | 3.6 | | | 4.1 | 115 | | | | | | | | | 34.540 | 25.8 | | | | |
| SSW28* | 6/23/85 | | 0.22 | 6.8 | 0.24 | 3.4 | | | 3.2 | 89 | | | | | | | | | 34.580 | 26.1 | | | | |

NELHA Water Quality Laboratory
SSW 28"
Intake Depth: 21 m, Offshore Pipe Length: 163 m

| SITE ID | DATE MD/Y | TIME (2400) | PO ₄ ³⁻ (µM) | (µg P/L) | NO ₃ ⁻ & NO ₂ ⁻ (µM) | (µg N/L) | NH ₄ ⁺ & NH ₃ (µM) | (µg N/L) | Si (µM) | (µg Si/L) | TDP (µM) | (µg P/L) | TDN (µM) | (µg N/L) | TOC (mgC/L) | TSS (mg/L) | Turbidity (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL |
|---------|--------------|----------------|---------------------------------------|----------|---|----------|--|----------|------------|-----------|-------------|----------|-------------|----------|----------------|---------------|--------------------|----------------|-------------------|--------------|--------------|-------------|---------------------|---|
| SSW28* | 7/3/85 | | 0.21 | 6.5 | 0.26 | 3.6 | | | 3.6 | 102 | | | | | | | | | 34.629 | 26.0 | | | | |
| SSW28* | 7/12/85 | | 0.20 | 6.2 | 0.26 | 3.6 | | | 2.6 | 72 | | | | | | | | | 34.743 | 26.9 | | | | |
| SSW28* | 7/19/85 | | 0.20 | 6.2 | 0.23 | 3.2 | | | 2.7 | 77 | | | | | | | | | 34.760 | 26.9 | | | | |
| SSW28* | 7/26/85 | | 0.18 | 5.6 | 0.29 | 4.1 | | | 2.2 | 61 | | | | | | | | | 34.783 | 26.8 | | | | |
| SSW28* | 8/1/85 | | 0.18 | 5.6 | 0.24 | 3.4 | | | 2.9 | 80 | | | | | | | | | 34.711 | 26.5 | | | | |
| SSW28* | 8/9/85 | | 0.17 | 5.3 | 0.16 | 2.2 | | | 2.4 | 66 | | | | | | | | | 34.825 | 26.2 | | | | |
| SSW28* | 8/16/85 | | 0.18 | 5.6 | 0.19 | 2.7 | | | 2.9 | 83 | | | | | | | | | 34.812 | 26.4 | | | | |
| SSW28* | 8/21/85 | | 0.23 | 7.1 | 0.19 | 2.7 | | | 4.1 | 116 | | | | | | | | | 34.779 | 27.2 | | | | |
| SSW28* | 8/29/85 | | 0.21 | 6.5 | 0.17 | 2.4 | | | 2.6 | 72 | | | | | | | | | 34.800 | 27.3 | | | | |
| SSW28* | 9/7/85 | | 0.18 | 5.6 | 0.20 | 2.8 | | | 2.5 | 69 | | | | | | | | | 34.948 | 26.5 | | | | |
| SSW28* | 9/15/85 | | 0.18 | 5.6 | 0.22 | 3.1 | | | 2.7 | 74 | | | | | | | | | 34.938 | 27.0 | | | | |
| SSW28* | 9/20/85 | | 0.19 | 5.9 | 0.27 | 3.8 | | | 3.8 | 106 | | | | | | | | | 34.848 | 27.4 | | | | |
| SSW28* | 9/27/85 | | 0.21 | 6.5 | 0.27 | 3.8 | | | 1.9 | 53 | | | | | | | | | 34.854 | 27.2 | | | | |
| SSW28* | 10/4/85 | | 0.21 | 6.5 | 0.22 | 3.1 | | | 2.7 | 74 | | | | | | | | | 34.815 | 27.5 | | | | |
| SSW28* | 10/11/85 | | 0.18 | 5.6 | 0.20 | 2.8 | | | 2.3 | 64 | | | | | | | | | 34.896 | 26.9 | | | | |
| SSW28* | 10/18/85 | | 0.19 | 5.9 | 0.30 | 4.2 | | | 2.3 | 64 | | | | | | | | | 34.885 | 26.7 | | | | |
| SSW28* | 10/25/85 | | 0.18 | 5.6 | 0.20 | 2.8 | | | 1.9 | 53 | | | | | | | | | 34.891 | 26.4 | | | | |
| SSW28* | 11/1/85 | | 0.19 | 5.9 | 0.22 | 3.1 | | | 2.7 | 74 | | | | | | | | | 34.892 | 26.6 | | | | |
| SSW28* | 11/7/85 | | 0.16 | 5.0 | 0.23 | 3.2 | | | 1.7 | 47 | | | | | | | | | 34.896 | 26.9 | | | | |
| SSW28* | 11/14/85 | | 0.14 | 4.3 | 0.24 | 3.4 | | | 1.5 | 42 | | | | | | | | | 34.915 | 27.0 | | | | |
| SSW28* | 11/21/85 | | 0.14 | 4.3 | 0.27 | 3.8 | | | 1.9 | 52 | | | | | | | | | 34.823 | 26.8 | | | | |
| SSW28* | 11/27/85 | | 0.15 | 4.6 | 0.34 | 4.8 | | | 1.7 | 47 | | | | | | | | | 34.923 | 26.2 | | | | |
| SSW28* | 12/5/85 | | 0.12 | 3.7 | 0.32 | 4.5 | | | 2.0 | 57 | | | | | | | | | 34.937 | 26.3 | | | | |
| SSW28* | 12/13/85 | | 0.11 | 3.4 | 0.24 | 3.4 | | | 2.0 | 57 | | | | | | | | | 34.997 | 26.4 | | | | |
| SSW28* | 12/20/85 | | 0.12 | 3.7 | 0.32 | 4.5 | | | 2.0 | 57 | | | | | | | | | 34.989 | 25.4 | | | | |
| SSW28* | 12/27/85 | | 0.11 | 3.4 | 0.22 | 3.1 | | | 1.5 | 42 | | | | | | | | | 35.027 | 25.7 | | | | |
| SSW28* | 1/3/86 | | 0.20 | 6.2 | 0.25 | 3.5 | 0.15 | 2.1 | 2.3 | 64 | 0.5 | 15.5 | 6.0 | 84 | 0.45 | 0.34 | | | 35.044 | 25.5 | | | | |
| SSW28* | 1/7/86 | | 0.15 | 4.6 | 0.22 | 3.1 | 0.15 | 2.1 | 2.5 | 69 | 0.5 | 14.6 | 6.2 | 86 | 0.52 | 0.20 | | | 35.047 | 25.4 | | | | |
| SSW28* | 1/17/86 | | 0.18 | 5.6 | 0.22 | 3.1 | 0.18 | 2.5 | 3.0 | 85 | 0.5 | 13.9 | 5.1 | 71 | 0.44 | 0.11 | | | 34.969 | 25.6 | | | | |
| SSW28* | 1/24/86 | | 0.20 | 6.2 | 0.19 | 2.7 | 0.20 | 2.8 | 1.9 | 53 | 0.5 | 15.5 | 5.6 | 79 | 0.48 | 0.53 | | | 34.844 | 25.2 | | | | |
| SSW28* | 1/31/86 | | 0.18 | 5.6 | 0.22 | 3.1 | 0.18 | 2.5 | 2.5 | 69 | 0.5 | 15.5 | 5.6 | 78 | 0.42 | 0.37 | | | 34.889 | 25.0 | | | | |
| SSW28* | 2/8/86 | | 0.19 | 5.9 | 0.19 | 2.7 | 0.15 | 2.1 | 1.7 | 48 | 0.5 | 15.2 | 5.2 | 73 | 0.45 | 0.37 | | | 34.770 | 25.6 | | | | |
| SSW28* | 2/12/86 | | 0.20 | 6.2 | 0.16 | 2.2 | 0.20 | 2.8 | 2.7 | 75 | 0.5 | 16.7 | 5.6 | 78 | 0.53 | 0.32 | | | 34.627 | 25.6 | | | | |
| SSW28* | 2/21/86 | | 0.24 | 7.4 | 0.34 | 4.8 | 0.28 | 3.9 | 3.0 | 85 | 0.6 | 17.0 | 5.6 | 78 | 1.27 | 0.41 | | | 34.724 | 25.6 | | | | |
| SSW28* | 3/1/86 | | 0.22 | 6.8 | 0.22 | 3.1 | 0.43 | 6.0 | 1.7 | 48 | 0.5 | 16.4 | 5.5 | 77 | 0.45 | | | | 34.745 | 25.6 | | | | |
| SSW28* | 3/7/86 | | 0.13 | 4.0 | 0.21 | 2.9 | 0.23 | 3.2 | 2.4 | 67 | 0.5 | 13.9 | 5.1 | 71 | 0.97 | 0.65 | | | 34.823 | 25.6 | | | | |
| SSW28* | 3/13/86 | | 0.16 | 5.0 | 0.26 | 3.6 | 0.26 | 3.6 | 3.5 | 98 | 0.6 | 17.0 | 6.3 | 88 | 0.85 | 0.70 | | | 34.725 | 26.4 | | | | |
| SSW28* | 3/20/86 | | 0.14 | 4.3 | 0.22 | 3.1 | 0.21 | 2.9 | 2.6 | 72 | 0.4 | 13.6 | 5.1 | 71 | 0.65 | 0.70 | | | 34.713 | 26.8 | | | | |
| SSW28* | 3/27/86 | | 0.11 | 3.4 | 0.16 | 2.2 | 0.13 | 1.8 | 2.6 | 72 | 0.4 | 13.6 | 5.2 | 73 | 0.40 | 0.80 | | | 34.815 | 25.5 | | | | |
| SSW28* | 4/14/86 | | 0.14 | 4.3 | 0.19 | 2.7 | 0.19 | 2.7 | 1.8 | 51 | 0.5 | 16.1 | 5.8 | 81 | 0.38 | 0.85 | | | 34.612 | 26.2 | | | | |
| SSW28* | 4/19/86 | | 0.12 | 3.7 | 0.36 | 5.0 | 0.21 | 2.9 | 4.8 | 134 | 0.5 | 15.5 | 4.9 | 69 | 0.61 | 0.80 | | | 34.634 | 25.6 | | | | |
| SSW28* | 4/26/86 | | 0.12 | 3.7 | 0.16 | 2.2 | 0.21 | 2.9 | 2.2 | 62 | 0.5 | 15.8 | 5.2 | 72 | 0.57 | 0.65 | | | 34.712 | 26.3 | | | | |
| SSW28* | 4/30/86 | | 0.16 | 5.0 | 0.38 | 5.3 | 0.30 | 4.2 | 5.5 | 153 | 0.4 | 13.0 | 5.8 | 81 | 0.40 | 0.65 | | | 34.648 | | | | | |
| SSW28* | 5/9/86 | | 0.15 | 4.6 | 0.16 | 2.2 | 0.24 | 3.4 | 2.0 | 56 | 0.4 | 13.3 | 5.2 | 72 | 0.43 | 0.70 | | | 34.658 | | | | | |
| SSW28* | 5/16/86 | | 0.15 | 4.6 | 0.25 | 3.5 | 0.31 | 4.3 | 2.7 | 77 | 0.5 | 13.9 | 5.4 | 76 | 0.40 | 1.35 | | | 34.691 | | | | | |
| SSW28* | 5/25/86 | | 0.14 | 4.3 | 0.28 | 3.9 | 0.26 | 3.6 | 3.3 | 92 | 0.5 | 13.9 | 5.3 | 74 | 0.39 | 0.65 | | | 34.655 | | | | | |
| SSW28* | 5/30/86 | | 0.15 | 4.6 | 0.28 | 3.9 | 0.29 | 4.1 | 3.6 | 102 | 0.5 | 14.2 | 5.0 | 69 | 0.41 | 0.40 | | | 34.648 | | | | | |
| SSW28* | 6/4/86 | | 0.15 | 4.6 | 0.22 | 3.1 | 0.29 | 4.1 | 2.2 | 61 | 0.5 | 14.2 | 5.0 | 71 | 0.41 | 0.60 | | | 34.677 | | | | | |
| SSW28* | 6/13/86 | | 0.15 | 4.6 | 0.43 | 6.0 | 0.30 | 4.2 | 4.9 | 138 | 0.5 | 16.1 | 5.9 | 83 | 0.36 | 0.85 | | | 34.614 | | | | | |
| SSW28* | 6/20/86 | | 0.23 | 7.1 | 0.25 | 3.5 | 0.09 | 1.3 | 2.5 | 71 | 0.5 | 15.8 | 10.3 | 145 | 0.43 | 0.80 | | | 34.719 | | | | | |
| SSW28* | 6/27/86 | | 0.23 | 7.1 | 0.15 | 2.1 | 0.12 | 1.7 | 5.1 | 142 | 0.5 | 15.5 | 9.0 | 126 | 0.41 | 0.60 | | | 34.685 | | | | | |

NELHA Water Quality Laboratory

SSW 28"

Intake Depth: 21 m, Offshore Pipe Length: 163 m

| SITE ID | DATE MD/Y | TIME (2400) | PO ₄ ³⁻ (µM) | (µg P/L) | NO ₃ ⁻ & NO ₂ ⁻ (µM) | (µg N/L) | NH ₄ ⁺ & NH ₃ (µM) | (µg N/L) | Si (µM) | (µg Si/L) | TDP (µg P/L) | (µM) | TDN (µg N/L) | (µM) | TOC (mgC/L) | TSS (mg/L) | Turbidity (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL |
|---------|--------------|----------------|---------------------------------------|----------|---|----------|--|----------|------------|-----------|-----------------|------|-----------------|------|----------------|---------------|--------------------|----------------|-------------------|--------------|--------------|-------------|---------------------|---|
| SSW28* | 7/3/86 | | 0.16 | 5.0 | 0.20 | 2.8 | 0.14 | 2.0 | 1.9 | 53 | 0.5 | 14.9 | 5.7 | 80 | 0.42 | 1.05 | | | 34.899 | | | | | |
| SSW28* | 7/12/86 | | 0.17 | 5.3 | 0.20 | 2.8 | 0.24 | 3.4 | 0.2 | 5 | 0.5 | 15.8 | 5.2 | 73 | 0.38 | 0.85 | | | 34.790 | | | | | |
| SSW28* | 7/18/86 | | 0.22 | 6.8 | 0.20 | 2.8 | 0.24 | 3.4 | 2.1 | 58 | 0.5 | 15.5 | 9.7 | 136 | 0.50 | 0.90 | | | 34.749 | | | | | |
| SSW28* | 7/25/86 | | 0.16 | 5.0 | 0.22 | 3.1 | 0.17 | 2.4 | 2.1 | 58 | 0.5 | 14.2 | 5.6 | 78 | 0.53 | 0.70 | | | 34.805 | | | | | |
| SSW28* | 7/31/86 | | 0.17 | 5.3 | 0.20 | 2.8 | 0.23 | 3.2 | 2.2 | 63 | 0.5 | 14.6 | 5.5 | 76 | 0.57 | 1.10 | | | 34.695 | | | | | |
| SSW28* | 8/7/86 | | 0.19 | 5.9 | 0.20 | 2.8 | 0.33 | 4.6 | 1.9 | 53 | 0.5 | 16.1 | 5.2 | 72 | 0.38 | 0.55 | | | 34.733 | | | | | |
| SSW28* | 8/18/86 | | 0.14 | 4.3 | 0.10 | 1.4 | 0.17 | 2.4 | 2.0 | 57 | 0.5 | 14.2 | 5.0 | 70 | 0.44 | 1.25 | | | 34.753 | | | | | |
| SSW28* | 8/28/86 | | 0.15 | 4.6 | 0.21 | 2.9 | 0.29 | 4.1 | 2.2 | 62 | 0.5 | 15.5 | 5.7 | 79 | 0.43 | 1.45 | | | 34.749 | | | | | |
| SSW28* | 9/4/86 | | 0.11 | 3.4 | 0.10 | 1.4 | 0.22 | 3.1 | 1.5 | 42 | 0.5 | 15.5 | 6.7 | 93 | 0.42 | 0.50 | | | 34.875 | | | | | |
| SSW28* | 9/11/86 | | 0.15 | 4.6 | 0.21 | 2.9 | 0.22 | 3.1 | 2.8 | 78 | 0.5 | 14.6 | 5.7 | 80 | 0.41 | 0.40 | | | 34.720 | | | | | |
| SSW28* | 9/17/86 | | 0.14 | 4.3 | 0.36 | 5.0 | 0.19 | 2.7 | 3.2 | 88 | 0.4 | 12.4 | 5.7 | 80 | 0.47 | 0.40 | | | 34.716 | | | | | |
| SSW28* | 9/24/86 | | 0.12 | 3.7 | 0.26 | 3.6 | 0.19 | 2.7 | 1.9 | 52 | 0.4 | 13.3 | 5.4 | 75 | 0.46 | 0.65 | | | 34.828 | | | | | |
| SSW28* | 9/30/86 | | 0.12 | 3.7 | 0.10 | 1.4 | 0.22 | 3.1 | 1.5 | 42 | 0.5 | 14.2 | 6.7 | 93 | 0.47 | 0.65 | | | 34.784 | | | | | |
| SSW28* | 10/9/86 | | 0.11 | 3.4 | 0.18 | 2.5 | 0.24 | 3.4 | 2.0 | 57 | 0.4 | 11.8 | 5.9 | 83 | 0.38 | 1.60 | | | 34.730 | | | | | |
| SSW28* | 10/16/86 | | 0.09 | 2.8 | 0.18 | 2.5 | 0.23 | 3.2 | 1.7 | 47 | 0.4 | 12.1 | 6.6 | 92 | 0.41 | 0.85 | | | 34.796 | | | | | |
| SSW28* | 10/23/86 | | 0.09 | 2.8 | 0.13 | 1.8 | 0.23 | 3.2 | 1.7 | 47 | 0.4 | 13.0 | 6.2 | 87 | 0.39 | 1.65 | | | 34.798 | | | | | |
| SSW28* | 10/30/86 | | 0.11 | 3.4 | 0.21 | 2.9 | 0.23 | 3.2 | 2.0 | 57 | 0.4 | 13.0 | 6.3 | 88 | 0.38 | 1.00 | | | 34.840 | | | | | |
| SSW28* | 11/6/86 | | 0.11 | 3.4 | 0.16 | 2.2 | 0.25 | 3.5 | 1.9 | 52 | 0.4 | 13.0 | 6.4 | 89 | 0.39 | 0.45 | | | 34.841 | | | | | |
| SSW28* | 11/13/86 | | 0.09 | 2.8 | 0.13 | 1.8 | 0.23 | 3.2 | 2.2 | 62 | 0.4 | 13.0 | 6.0 | 84 | 0.39 | 2.55 | | | 34.754 | | | | | |
| SSW28* | 11/20/86 | | 0.11 | 3.4 | 0.12 | 1.7 | 0.22 | 3.1 | 1.9 | 52 | 0.4 | 13.3 | 6.6 | 92 | 0.39 | 0.70 | | | 34.792 | | | | | |
| SSW28* | 11/28/86 | | 0.11 | 3.4 | 0.21 | 2.9 | 0.23 | 3.2 | 2.2 | 62 | 0.5 | 15.5 | 6.1 | 85 | 0.39 | 0.65 | | | 34.825 | | | | | |
| SSW28* | 12/4/86 | | 0.15 | 4.6 | 0.21 | 2.9 | 0.10 | 1.4 | 3.0 | 83 | 0.4 | 13.0 | 6.6 | 92 | 0.47 | 1.05 | | | 34.761 | | | | | |
| SSW28* | 12/11/86 | | 0.09 | 2.8 | 0.19 | 2.7 | 0.11 | 1.5 | 2.6 | 73 | 0.4 | 12.1 | 5.8 | 81 | 0.58 | 1.00 | | | 34.930 | | | | | |
| SSW28* | 12/19/86 | | 0.12 | 3.7 | 0.22 | 3.1 | 0.11 | 1.5 | 2.4 | 68 | 0.5 | 14.2 | 6.2 | 87 | 0.42 | 0.90 | | | 34.833 | | | | | |
| SSW28* | 12/23/86 | | 0.14 | 4.3 | 0.30 | 4.2 | 0.18 | 2.5 | 3.9 | 109 | 0.5 | 14.6 | 6.2 | 87 | 0.42 | 0.65 | | | 34.723 | | | | | |
| SSW28* | 12/30/86 | | 0.15 | 4.6 | 0.14 | 2.0 | 0.12 | 1.7 | 2.2 | 62 | 0.5 | 14.6 | 5.3 | 75 | 0.41 | 0.80 | | | 34.678 | | | | | |
| SSW28* | 1/8/87 | | 0.14 | 4.3 | 0.22 | 3.1 | 0.15 | 2.1 | 2.4 | 68 | 0.5 | 14.2 | 5.9 | 83 | 0.42 | 0.90 | | | 34.854 | 26.0 | 8.26 | 6.50 | | |
| SSW28* | 1/14/87 | | 0.14 | 4.3 | 0.25 | 3.5 | 0.24 | 3.4 | 2.2 | 62 | 0.5 | 15.8 | 7.3 | 102 | 0.43 | 0.85 | | | 34.805 | 25.7 | 8.22 | 6.45 | | |
| SSW28* | 1/21/87 | | 0.14 | 4.3 | 0.14 | 2.0 | 0.22 | 3.1 | 2.0 | 57 | 0.5 | 14.6 | 6.2 | 86 | 0.48 | 0.65 | | | 34.797 | 25.3 | 8.18 | 6.51 | | |
| SSW28* | 1/28/87 | | 0.16 | 5.0 | 0.27 | 3.8 | 0.22 | 3.1 | 2.6 | 73 | 0.5 | 14.9 | 6.8 | 96 | 0.46 | 1.50 | | | 34.711 | 25.6 | 8.26 | 7.13 | | |
| SSW28* | 2/6/87 | | 0.13 | 4.0 | 0.15 | 2.1 | 0.09 | 1.3 | 3.0 | 83 | 0.4 | 12.1 | 5.5 | 77 | 0.54 | 0.80 | | | 24.8 | 8.27 | 6.90 | | | |
| SSW28* | 2/12/87 | | 0.15 | 4.6 | 0.15 | 2.1 | 0.12 | 1.7 | 1.9 | 52 | 0.4 | 13.3 | 5.8 | 81 | 0.47 | 0.55 | | | 24.8 | 8.21 | 7.01 | | | |
| SSW28* | 2/19/87 | | 0.15 | 4.6 | 0.19 | 2.7 | 0.17 | 2.4 | 2.4 | 68 | 0.5 | 13.9 | 5.6 | 79 | 0.43 | 0.90 | | | 24.7 | 8.19 | 6.60 | | | |
| SSW28* | 2/26/87 | | 0.17 | 5.3 | 0.28 | 3.9 | 0.24 | 3.4 | 2.8 | 78 | 0.5 | 14.2 | 5.9 | 82 | 0.43 | 0.80 | | | 24.6 | 8.22 | 6.68 | | | |
| SSW28* | 3/3/87 | | 0.15 | 4.6 | 0.15 | 2.1 | 0.21 | 2.9 | 2.0 | 57 | 0.5 | 14.6 | 5.7 | 79 | 0.46 | 0.75 | | | 24.5 | 8.19 | 7.02 | | | |
| SSW28* | 3/10/87 | | 0.13 | 4.0 | 0.25 | 3.5 | 0.28 | 3.9 | 1.9 | 52 | 0.5 | 15.2 | 5.7 | 80 | 0.41 | 0.75 | | | 24.5 | 8.17 | 6.75 | | | |
| SSW28* | 3/17/87 | | 0.15 | 4.6 | 0.25 | 3.5 | 0.28 | 3.9 | 1.7 | 47 | 0.5 | 16.4 | 5.8 | 82 | 0.41 | 0.75 | | | 25.1 | 8.22 | 7.07 | | | |
| SSW28* | 3/24/87 | | 0.15 | 4.6 | 0.25 | 3.5 | 0.33 | 4.6 | 1.9 | 52 | 0.5 | 16.7 | 9.3 | 130 | 0.54 | 0.80 | | | 25.0 | 8.16 | 6.89 | | | |
| SSW28* | 4/3/87 | | 0.23 | 7.1 | 0.18 | 2.5 | 0.33 | 4.6 | 2.5 | 69 | 0.6 | 17.0 | 5.4 | 75 | 0.69 | 0.90 | | | 34.581 | 25.0 | 8.25 | 6.64 | | |
| SSW28* | 4/9/87 | | 0.17 | 5.3 | 0.15 | 2.1 | 0.23 | 3.2 | 3.0 | 85 | 0.5 | 16.4 | 6.6 | 92 | 0.46 | 0.35 | | | 34.546 | 25.1 | 8.23 | 6.63 | | |
| SSW28* | 4/16/87 | | 0.15 | 4.6 | 0.21 | 2.9 | 0.23 | 3.2 | 4.2 | 117 | 0.5 | 14.9 | 5.5 | 77 | 0.45 | 0.85 | | | 34.577 | 25.1 | 8.24 | 6.40 | | |
| SSW28* | 4/21/87 | | 0.13 | 4.0 | 0.06 | 0.8 | 0.28 | 3.9 | 1.3 | 37 | 0.5 | 15.2 | 6.0 | 84 | 0.41 | 0.70 | | | 34.748 | 24.7 | 8.25 | 7.05 | | |
| SSW28* | 4/28/87 | | 0.15 | 4.6 | 0.15 | 2.1 | 0.28 | 3.9 | 2.9 | 80 | 0.5 | 15.8 | 5.0 | 70 | 0.54 | 0.85 | | | 34.652 | 25.2 | 8.23 | 7.00 | | |
| SSW28* | 5/5/87 | | 0.14 | 4.3 | 0.14 | 2.0 | 0.30 | 4.2 | 1.9 | 53 | 0.5 | 15.2 | 6.0 | 84 | 0.42 | 0.85 | | | 34.694 | 24.9 | 8.22 | 6.84 | | |
| SSW28* | 5/12/87 | | 0.16 | 5.0 | 0.21 | 2.9 | 0.33 | 4.6 | 3.2 | 91 | 0.5 | 16.4 | 5.9 | 83 | 0.41 | 0.60 | | | 34.623 | 24.9 | 8.23 | 7.16 | | |
| SSW28* | 5/21/87 | | 0.13 | 4.0 | 0.27 | 3.8 | 0.30 | 4.2 | 3.4 | 96 | 0.5 | 16.4 | 5.5 | 77 | 0.41 | 0.80 | | | 34.641 | 25.5 | 8.23 | 6.98 | | |
| SSW28* | 5/26/87 | | 0.13 | 4.0 | 0.15 | 2.1 | 0.28 | 3.9 | 2.9 | 80 | 0.5 | 14.9 | 5.1 | 71 | 0.41 | 0.60 | | | 34.692 | 25.6 | 8.24 | 7.27 | | |
| SSW28* | 6/2/87 | | 0.13 | 4.0 | 0.15 | 2.1 | 0.29 | 4.1 | 1.3 | 37 | 0.5 | 14.9 | 5.3 | 74 | 0.60 | 0.70 | | 2.32 | 34.553 | 25.6 | 8.18 | 7.07 | | |
| SSW28* | 6/9/87 | | 0.15 | 4.6 | 0.30 | 4.2 | 0.17 | 2.4 | 4.3 | 120 | 0.5 | 16.1 | 8.9 | 125 | 0.49 | 0.75 | | 2.32 | 34.542 | 25.9 | 8.18 | 7.26 | | |
| SSW28* | 6/17/87 | | 0.13 | 4.0 | 0.22 | 3.1 | 0.21 | 2.9 | 3.2 | 90 | 0.6 | 17.3 | 8.7 | 122 | 0.41 | 0.60 | | | 34.736 | 26.3 | 8.20 | 6.59 | | |

NELHA Water Quality Laboratory
SSW 28"
Intake Depth: 21 m, Offshore Pipe Length: 163 m

| SITE ID | DATE MD/Y | TIME (2400) | PO ₄ ³⁻ (µM) | (µg P/L) | NO ₃ ⁻ & NO ₂ ⁻ (µM) | (µg N/L) | NH ₄ ⁺ & NH ₃ (µM) | (µg N/L) | Si (µM) | (µg Si/L) | TDP (µg P/L) | (µM) | TDN (µg N/L) | (µM) | TOC (mgC/L) | TSS (mg/L) | Turbidity (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL |
|---------|--------------|----------------|---------------------------------------|----------|---|----------|--|----------|------------|-----------|-----------------|------|-----------------|------|----------------|---------------|--------------------|----------------|-------------------|--------------|--------------|-------------|---------------------|---|
| SSW28* | 7/2/87 | | 0.13 | 4.0 | 0.16 | 2.2 | 0.23 | 3.2 | 2.3 | 64 | 0.5 | 16.1 | 9.0 | 125 | 0.40 | 0.60 | | 2.31 | 34.644 | 26.2 | 8.23 | 6.44 | | |
| SSW28* | 7/11/87 | | 0.13 | 4.0 | 0.16 | 2.2 | 0.23 | 3.2 | 2.1 | 58 | 0.5 | 16.7 | 7.6 | 107 | 0.39 | 0.50 | | 2.31 | 34.612 | 26.7 | 8.23 | 8.06 | | |
| SSW28* | 7/18/87 | | 0.13 | 4.0 | 0.19 | 2.7 | 0.23 | 3.2 | 1.6 | 45 | 0.5 | 16.7 | 7.4 | 104 | 0.37 | 0.85 | | 2.31 | 34.585 | 26.8 | 8.23 | 6.89 | | |
| SSW28* | 7/28/87 | | 0.12 | 3.7 | 0.16 | 2.2 | 0.21 | 2.9 | 1.9 | 53 | 0.5 | 15.2 | 7.6 | 107 | 0.38 | 0.45 | | 2.31 | 34.673 | 26.8 | 8.16 | 7.08 | | |
| SSW28* | 7/28/87 | | 0.12 | 3.7 | 0.24 | 3.4 | 0.21 | 2.9 | 2.7 | 74 | 0.5 | 13.9 | 6.8 | 95 | 0.40 | 0.40 | | 2.31 | 34.649 | 26.8 | 8.17 | 7.80 | | |
| SSW28* | 8/8/87 | | 0.12 | 3.7 | 0.19 | 2.7 | 0.21 | 2.9 | 2.5 | 69 | 0.5 | 15.8 | 7.2 | 101 | 0.40 | 0.40 | | 2.31 | 34.690 | 28.2 | 8.21 | 6.68 | | |
| SSW28* | 8/15/87 | | 0.12 | 3.7 | 0.18 | 2.5 | 0.22 | 3.1 | 3.5 | 99 | 0.5 | 15.2 | 5.3 | 74 | 0.46 | 0.60 | | 2.32 | 34.772 | 28.1 | 8.22 | 6.64 | | |
| SSW28* | 8/21/87 | | 0.11 | 3.4 | 0.15 | 2.1 | 0.24 | 3.4 | 2.1 | 58 | 0.5 | 16.1 | 6.4 | 89 | 0.53 | 0.70 | | 2.32 | 34.751 | 27.6 | 8.20 | 6.70 | | |
| SSW28* | 8/27/87 | | 0.14 | 4.3 | 0.21 | 2.9 | 0.56 | 7.8 | 2.1 | 58 | 0.5 | 16.7 | 7.2 | 101 | 0.53 | 0.55 | | 2.32 | 34.767 | 28.1 | 8.21 | 6.65 | | |
| SSW28* | 9/4/87 | | 0.14 | 4.3 | 0.21 | 2.9 | 0.24 | 3.4 | 2.6 | 73 | 0.5 | 16.7 | 5.7 | 80 | 0.55 | 0.65 | | 2.32 | 34.764 | 28.5 | 8.23 | 6.85 | | |
| SSW28* | 9/11/87 | | 0.12 | 3.7 | 0.32 | 4.5 | 0.22 | 3.1 | 3.2 | 89 | 0.5 | 16.1 | 5.9 | 82 | 0.52 | 0.45 | | 2.31 | 34.704 | 28.1 | 8.21 | 6.85 | | |
| SSW28* | 9/18/87 | | 0.10 | 3.1 | 0.12 | 1.7 | 0.24 | 3.4 | 1.5 | 42 | 0.4 | 13.0 | 5.4 | 76 | 0.52 | 0.65 | | 2.33 | 34.887 | 27.4 | 8.23 | 6.74 | | |
| SSW28* | 9/26/87 | | 0.15 | 4.6 | 0.26 | 3.6 | 0.35 | 4.9 | 2.6 | 73 | 0.5 | 15.5 | 6.6 | 92 | 0.52 | 0.60 | | 2.32 | 34.725 | 28.1 | 8.25 | 6.96 | | |
| SSW28* | 10/3/87 | | 0.11 | 3.4 | 0.21 | 2.9 | 0.27 | 3.8 | 2.6 | 73 | 0.5 | 14.9 | 5.4 | 76 | 0.51 | 0.65 | | 2.33 | 34.902 | 28.2 | 8.28 | 6.80 | | |
| SSW28* | 10/9/87 | | 0.11 | 3.4 | 0.23 | 3.2 | 0.27 | 3.8 | 2.6 | 73 | 0.4 | 13.3 | 5.9 | 82 | 0.51 | 0.45 | | 2.32 | 34.842 | 27.7 | 8.22 | 6.64 | | |
| SSW28* | 10/16/87 | | 0.12 | 3.7 | 0.26 | 3.6 | 0.18 | 2.5 | 1.7 | 47 | 0.5 | 15.2 | 5.0 | 70 | 0.53 | 0.50 | | 2.32 | 34.799 | 27.9 | 8.28 | 6.79 | | |
| SSW28* | 10/22/87 | | 0.13 | 4.0 | 0.24 | 3.4 | 0.20 | 2.8 | 2.0 | 57 | 0.5 | 14.9 | 5.5 | 77 | 0.53 | 0.50 | | 2.31 | 34.747 | 27.5 | 8.25 | 6.72 | | |
| SSW28* | 10/29/87 | | 0.15 | 4.6 | 0.35 | 4.9 | 0.32 | 4.5 | 2.4 | 68 | 0.5 | 14.9 | 5.6 | 79 | 0.50 | 0.50 | | 2.32 | 34.817 | 27.7 | 8.24 | 6.92 | | |
| SSW28* | 11/6/87 | | 0.12 | 3.7 | 0.16 | 2.2 | 0.18 | 2.5 | 2.4 | 68 | 0.5 | 15.2 | 4.8 | 67 | 0.47 | 1.10 | | 2.32 | 34.824 | 27.5 | 8.21 | 7.01 | | |
| SSW28* | 11/13/87 | | 0.13 | 4.0 | 0.27 | 3.8 | 0.18 | 2.5 | 3.2 | 88 | 0.5 | 16.4 | 5.9 | 83 | 0.51 | 1.15 | | 2.32 | 34.766 | 27.4 | 8.24 | 6.59 | | |
| SSW28* | 11/21/87 | | 0.17 | 5.3 | 0.27 | 3.8 | 0.20 | 2.8 | 2.6 | 73 | 0.6 | 18.6 | 5.1 | 71 | 0.48 | 0.85 | | 2.32 | 34.779 | 26.8 | 8.23 | 6.73 | | |
| SSW28* | 11/26/87 | | 0.15 | 4.6 | 0.30 | 4.2 | 0.23 | 3.2 | 2.2 | 62 | 0.6 | 18.3 | 4.9 | 69 | 0.47 | 4.50 | | 2.31 | 34.765 | 27.2 | 8.25 | 7.28 | | |
| SSW28* | 12/3/87 | | 0.15 | 4.6 | 0.27 | 3.8 | 0.23 | 3.2 | 3.7 | 104 | 0.5 | 15.2 | 5.0 | 70 | 0.50 | 1.00 | | 2.30 | 34.752 | 26.6 | 8.27 | 6.98 | | |
| SSW28* | 12/12/87 | | 0.12 | 3.7 | 0.24 | 3.4 | 0.23 | 3.2 | 2.2 | 62 | 0.5 | 14.2 | 4.8 | 67 | 0.54 | 1.00 | | 2.31 | 34.799 | 27.7 | 8.25 | 7.08 | | |
| SSW28* | 12/20/87 | | 0.11 | 3.4 | 0.35 | 4.9 | 0.25 | 3.5 | 2.4 | 68 | 0.4 | 13.0 | 4.9 | 69 | 0.52 | 2.00 | | 2.33 | 34.833 | 25.4 | 8.28 | 7.08 | | |
| SSW28* | 12/24/87 | | 0.13 | 4.0 | 0.57 | 8.0 | 0.32 | 4.5 | 4.3 | 120 | 0.5 | 14.2 | 5.2 | 73 | 0.52 | 0.10 | | 2.23 | 34.774 | 25.3 | 8.27 | 7.17 | | |
| SSW28* | 12/31/87 | | 0.12 | 3.7 | 0.43 | 6.0 | 0.31 | 4.3 | 3.8 | 107 | 0.5 | 13.9 | 4.9 | 69 | 0.53 | 0.40 | | 2.32 | 34.806 | 25.6 | 8.24 | 7.13 | | |
| SSW28* | 1/13/88 | | 0.13 | 4.0 | 0.22 | 3.1 | 0.17 | 2.4 | 1.7 | 47 | 0.5 | 14.9 | 4.8 | 67 | 0.56 | 0.35 | | 2.31 | 34.762 | 25.9 | 8.24 | 6.97 | | |
| SSW28* | 1/22/88 | | 0.16 | 5.0 | 0.27 | 3.8 | 0.20 | 2.8 | 2.1 | 58 | 0.5 | 14.9 | 5.2 | 72 | 0.56 | 0.30 | | 2.32 | 34.796 | 25.2 | 8.25 | 7.10 | | |
| SSW28* | 1/29/88 | | 0.13 | 4.0 | 0.27 | 3.8 | 0.17 | 2.4 | 1.7 | 47 | 0.5 | 16.4 | 4.9 | 69 | 0.56 | 0.55 | | 2.32 | 34.820 | 25.2 | 8.28 | 7.07 | | |
| SSW28* | 2/5/88 | | 0.15 | 4.6 | 0.32 | 4.5 | 0.19 | 2.7 | 2.4 | 68 | 0.5 | 16.7 | 4.8 | 67 | 0.54 | 0.45 | | 2.32 | 34.806 | 25.3 | 8.25 | 7.07 | | |
| SSW28* | 2/12/88 | | 0.15 | 4.6 | 0.30 | 4.2 | 0.22 | 3.1 | 2.6 | 73 | 0.5 | 16.7 | 4.6 | 64 | 0.54 | 0.60 | | 2.32 | 34.747 | 25.8 | 8.22 | 7.09 | | |
| SSW28* | 2/21/88 | | 0.13 | 4.0 | 0.25 | 3.5 | 0.17 | 2.4 | 1.5 | 42 | 0.5 | 16.4 | 4.7 | 66 | 0.55 | 0.65 | | 2.32 | 34.831 | 25.7 | 8.27 | 7.05 | | |
| SSW28* | 2/26/88 | | 0.19 | 5.9 | 0.35 | 4.9 | 0.20 | 2.8 | 2.8 | 78 | 0.6 | 17.7 | 4.8 | 68 | 0.54 | 0.95 | | 2.30 | 34.577 | 25.6 | 8.27 | 7.17 | | |
| SSW28* | 3/6/88 | | 0.19 | 5.9 | 0.31 | 4.3 | 0.15 | 2.1 | 2.2 | 63 | 0.5 | 16.1 | 4.7 | 65 | 0.53 | 0.60 | | 2.30 | 34.509 | 25.3 | 8.18 | 7.33 | | |
| SSW28* | 3/11/88 | | 0.19 | 5.9 | 0.34 | 4.8 | 0.07 | 1.0 | 3.8 | 106 | 0.4 | 11.2 | 4.9 | 68 | 0.53 | 0.55 | | 2.32 | 34.473 | 25.6 | 8.25 | 7.10 | | |
| SSW28* | 3/18/88 | | 0.16 | 5.0 | 0.26 | 3.6 | 0.07 | 1.0 | 6.8 | 190 | 0.3 | 10.5 | 4.8 | 68 | 0.59 | 0.70 | | 2.31 | 34.618 | 25.8 | 8.27 | 7.02 | | |
| SSW28* | 3/25/88 | | 0.18 | 5.6 | 0.34 | 4.8 | 0.07 | 1.0 | 3.6 | 101 | 0.4 | 10.8 | 6.2 | 87 | 0.55 | 4.70 | | 2.32 | 34.642 | 25.5 | 8.26 | 7.35 | | |
| SSW28* | 3/31/88 | | 0.14 | 4.3 | 0.23 | 3.2 | 0.07 | 1.0 | 3.0 | 84 | 0.3 | 9.6 | 4.7 | 66 | 0.58 | 0.80 | | 2.32 | 34.736 | 25.7 | 8.27 | 8.88 | | |
| SSW28* | 4/8/88 | | 0.15 | 4.6 | 0.26 | 3.6 | 0.07 | 1.0 | 2.2 | 62 | 0.3 | 9.9 | 4.8 | 67 | 0.58 | 0.55 | | 2.33 | 34.807 | 25.6 | 8.24 | 7.16 | | |
| SSW28* | 4/18/88 | | 0.18 | 5.6 | 0.23 | 3.2 | 0.09 | 1.3 | 1.6 | 45 | 0.4 | 10.8 | 4.9 | 69 | 0.52 | 0.55 | | 2.32 | 34.650 | 25.7 | 8.25 | 7.27 | | |
| SSW28* | 4/22/88 | | 0.19 | 5.9 | 0.18 | 2.5 | 0.14 | 2.0 | 0.8 | 22 | 0.3 | 9.9 | 4.8 | 67 | 0.53 | 0.60 | | 2.33 | 34.627 | 25.6 | 8.29 | 7.38 | | |
| SSW28* | 4/29/88 | | 0.18 | 5.6 | 0.21 | 2.9 | 0.12 | 1.7 | 1.6 | 45 | 0.4 | 10.8 | 5.1 | 71 | 0.53 | 0.45 | | 2.32 | 34.644 | 25.2 | 8.26 | 7.00 | | |
| SSW28* | 5/6/88 | | 0.18 | 5.6 | 0.31 | 4.3 | 0.07 | 1.0 | 1.2 | 34 | 0.4 | 10.8 | 5.2 | 73 | 0.53 | 1.40 | | | | | | | | |
| SSW28* | 5/23/88 | | 0.37 | 11.5 | 0.03 | 0.4 | 0.19 | 2.7 | | | 0.5 | 14.6 | 7.2 | 101 | 0.46 | 2.15 | | 2.32 | 34.662 | 26.1 | 8.43 | 7.23 | | |
| SSW28* | 5/28/88 | | 0.13 | 4.0 | 0.03 | 0.4 | 0.13 | 1.8 | 2.2 | 62 | 0.3 | 9.9 | 5.4 | 76 | 0.40 | 2.00 | | 2.31 | 34.684 | 25.7 | 8.16 | 7.18 | | |
| SSW28* | 6/5/88 | | 0.13 | 4.0 | 0.12 | 1.7 | 0.15 | 2.1 | 3.2 | 90 | 0.3 | 10.5 | 6.0 | 84 | 0.41 | 3.95 | | 2.31 | 34.606 | 26.1 | 8.13 | 7.01 | | |
| SSW28* | 6/9/88 | | 0.12 | 3.7 | 0.29 | 4.1 | 0.32 | 4.5 | 3.8 | 108 | 0.3 | 9.6 | 5.9 | 83 | 0.41 | 1.20 | | 2.31 | 34.602 | 26.4 | 8.12 | 7.20 | | |
| SSW28* | 6/19/88 | | 0.13 | 4.0 | 0.06 | 0.8 | 0.21 | 2.9 | 2.2 | 62 | 0.3 | 9.6 | 5.1 | 72 | 0.34 | 5.05 | | 2.32 | 34.673 | 26.1 | 8.12 | 7.26 | | |
| SSW28* | 6/24/88 | | 0.13 | 4.0 | 0.17 | 2.4 | 0.34 | 4.8 | 1.6 | 45 | 0.3 | 9.6 | 5.6 | 78 | 0.36 | 1.50 | | 2.33 | 34.730 | 25.8 | 8.13 | 7.08 | | |

NELHA Water Quality Laboratory

SSW 28"

Intake Depth: 21 m, Offshore Pipe Length: 163 m

| SITE ID | DATE MD/Y | TIME (2400) | PO ₄ ³⁻ (µM) | (µg P/L) | NO ₃ ⁻ & NO ₂ ⁻ (µM) | (µg N/L) | NH ₄ ⁺ & NH ₃ (µM) | (µg N/L) | Si (µM) | (µg Si/L) | TDP (µM) | (µg P/L) | TDN (µM) | (µg N/L) | TOC (mgC/L) | TSS (mg/L) | Turbidity (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL |
|---------|--------------|----------------|---------------------------------------|----------|---|----------|--|----------|------------|-----------|-------------|----------|-------------|----------|----------------|---------------|--------------------|----------------|-------------------|--------------|--------------|-------------|---------------------|---|
| SSW28* | 7/5/88 | | 0.19 | 5.9 | 0.23 | 3.2 | 0.34 | 4.8 | 1.8 | 51 | 0.4 | 11.5 | 6.9 | 97 | 0.33 | 11.30 | | 2.32 | 34.711 | 26.1 | 8.26 | 6.99 | | |
| SSW28* | 7/28/88 | | 0.12 | 3.7 | 0.17 | 2.4 | 0.14 | 2.0 | 2.8 | 80 | 0.4 | 11.2 | 5.0 | 70 | 0.43 | 1.25 | | 2.32 | 34.694 | 26.3 | 8.25 | 6.82 | | |
| SSW28* | 8/6/88 | | 0.14 | 4.3 | 0.23 | 3.2 | 0.16 | 2.2 | 2.6 | 74 | 0.4 | 11.5 | 5.6 | 78 | 0.39 | 0.90 | | 2.31 | 34.692 | 26.4 | 8.21 | 5.91 | | |
| SSW28* | 8/16/88 | | 0.14 | 4.3 | 0.42 | 5.9 | 0.11 | 1.5 | 4.3 | 119 | 0.4 | 11.2 | 5.2 | 73 | 0.36 | 0.75 | | 2.31 | 34.621 | 26.7 | 8.22 | 7.31 | | |
| SSW28* | 8/31/88 | | 0.16 | 5.0 | 0.37 | 5.2 | 0.17 | 2.4 | 3.9 | 108 | 0.4 | 13.6 | 6.3 | 88 | 0.40 | | | 2.32 | 34.765 | 27.2 | 8.27 | 6.82 | | |
| SSW28* | 9/2/88 | | 0.12 | 3.7 | 0.42 | 5.9 | 0.18 | 2.5 | 1.8 | 51 | 0.3 | 10.2 | 5.4 | 75 | 0.42 | | | | | | | | | |
| SSW28* | 9/2/88 | | 0.12 | 3.7 | 0.30 | 4.2 | 0.20 | 2.8 | 1.4 | 40 | 0.3 | 10.2 | 5.3 | 74 | 0.34 | | | | | | | | | |
| SSW28* | 9/9/88 | | 0.20 | 6.2 | 0.38 | 5.3 | 0.23 | 3.2 | 2.3 | 64 | 0.4 | 12.1 | 5.8 | 82 | 0.48 | 0.65 | | 2.32 | 34.802 | 27.3 | 8.24 | | | |
| SSW28* | 9/10/88 | | 0.18 | 5.6 | 0.43 | 6.0 | 0.14 | 2.0 | 2.1 | 59 | 0.4 | 10.8 | 5.1 | 71 | 0.40 | 1.00 | | 2.32 | 34.799 | 27.0 | 8.26 | | | |
| SSW28* | 9/15/88 | | 0.15 | 4.6 | 0.41 | 5.7 | 0.14 | 2.0 | 2.7 | 76 | 0.3 | 10.2 | 5.0 | 70 | 0.38 | 1.25 | | 2.33 | 34.797 | 27.4 | 7.97 | 7.31 | | |
| SSW28* | 9/23/88 | | 0.14 | 4.3 | 0.14 | 2.0 | 0.08 | 1.1 | 1.7 | 47 | 0.4 | 10.8 | 5.4 | 76 | 0.37 | 1.25 | | 2.34 | 34.870 | 27.2 | 8.10 | 6.77 | | |
| SSW28* | 9/30/88 | | 0.16 | 5.0 | 0.57 | 8.0 | 0.21 | 2.9 | 2.3 | 64 | 0.4 | 11.5 | 6.2 | 86 | 0.32 | 1.45 | | 2.33 | 34.843 | 27.4 | 8.14 | 6.77 | | |
| SSW28* | 10/7/88 | | 0.16 | 5.0 | 0.48 | 6.7 | 0.21 | 2.9 | 2.7 | 76 | 0.4 | 11.2 | 5.2 | 73 | 0.33 | 0.55 | | 2.33 | 34.767 | 27.2 | 8.35 | 6.79 | | |
| SSW28* | 10/14/88 | | 0.15 | 4.6 | 0.37 | 5.2 | 0.21 | 2.9 | 1.9 | 53 | 0.4 | 11.2 | 5.1 | 71 | 0.35 | 0.80 | | 2.33 | 34.823 | 27.9 | 8.30 | 6.67 | | |
| SSW28* | 10/21/88 | | 0.20 | 6.2 | 0.28 | 3.9 | 0.24 | 3.4 | 1.5 | 42 | 0.4 | 12.1 | 5.5 | 78 | 0.34 | 1.40 | | 2.31 | 34.539 | 27.5 | 8.23 | 6.75 | | |
| SSW28* | 10/28/88 | | 0.21 | 6.5 | 0.24 | 3.4 | 0.27 | 3.8 | 1.1 | 31 | 0.4 | 12.1 | 5.0 | 69 | 0.35 | 2.55 | | 2.31 | 34.447 | 27.8 | 8.22 | 6.67 | | |
| SSW28* | 11/4/88 | | 0.25 | 7.7 | 0.35 | 4.9 | 0.08 | 1.1 | 2.2 | 62 | 0.4 | 12.4 | 6.0 | 84 | 0.56 | 0.95 | | 2.31 | 34.451 | 26.9 | 8.18 | 6.72 | | |
| SSW28* | 11/9/88 | | 0.19 | 5.9 | 0.37 | 5.2 | 0.06 | 0.8 | 1.8 | 50 | 0.4 | 11.2 | 5.1 | 72 | 0.49 | 0.75 | | 2.33 | 34.595 | 27.4 | 8.20 | 6.71 | | |
| SSW28* | 11/18/88 | | 0.15 | 4.6 | 0.37 | 5.2 | 0.11 | 1.5 | 1.6 | 45 | 0.3 | 10.2 | 5.3 | 75 | 0.46 | 0.70 | | 2.33 | 34.797 | 26.9 | 8.22 | 6.83 | | |
| SSW28* | 11/25/88 | | 0.20 | 6.2 | 0.41 | 5.7 | 0.03 | 0.4 | 1.8 | 50 | 0.4 | 11.5 | 5.0 | 70 | 0.41 | 0.70 | | 2.32 | 34.588 | 26.5 | 8.22 | 6.85 | | |
| SSW28* | 12/2/88 | | 0.16 | 5.0 | 0.41 | 5.7 | 0.03 | 0.4 | 2.4 | 67 | 0.4 | 12.7 | 4.7 | 66 | 0.39 | 0.50 | | 2.33 | 34.699 | 26.6 | 8.24 | 6.89 | | |
| SSW28* | 12/9/88 | | 0.12 | 3.7 | 0.35 | 4.9 | 0.11 | 1.5 | 1.6 | 45 | 0.3 | 9.0 | 4.2 | 58 | 0.42 | 0.75 | | 2.33 | 34.871 | 26.3 | 8.28 | 6.56 | | |
| SSW28* | 12/16/88 | | 0.14 | 4.3 | 0.59 | 8.3 | 0.11 | 1.5 | 2.4 | 67 | 0.3 | 9.9 | 5.0 | 70 | 0.40 | 0.85 | | 2.33 | 34.830 | 27.0 | 8.25 | 6.97 | | |
| SSW28* | 12/23/88 | | 0.15 | 4.6 | 0.43 | 6.0 | 0.06 | 0.8 | 2.2 | 62 | 0.3 | 9.3 | 4.2 | 59 | 0.37 | 1.05 | | 2.32 | 34.734 | 26.2 | 8.26 | 6.97 | | |
| SSW28* | 1/4/89 | | 0.15 | 4.6 | 0.07 | 1.0 | 0.04 | 0.6 | 1.2 | 35 | 0.3 | 10.2 | 5.8 | 82 | 0.49 | 0.90 | | 2.33 | 34.645 | 25.5 | 8.25 | 6.96 | | |
| SSW28* | 1/12/89 | | 0.16 | 5.0 | 0.16 | 2.2 | 0.07 | 1.0 | 1.6 | 46 | 0.3 | 10.5 | 6.1 | 85 | 0.45 | 0.70 | | 2.30 | 34.551 | 25.2 | 8.23 | 6.97 | | |
| SSW28* | 1/20/89 | | 0.16 | 5.0 | 0.16 | 2.2 | 0.09 | 1.3 | 2.0 | 57 | 0.3 | 10.5 | 6.5 | 91 | 0.45 | 1.05 | | 2.30 | 34.456 | 24.5 | 8.22 | 6.82 | | |
| SSW28* | 1/27/89 | | 0.18 | 5.6 | 0.25 | 3.5 | 0.09 | 1.3 | 2.6 | 74 | 0.4 | 11.2 | 6.8 | 95 | 0.46 | 1.05 | | 2.30 | 34.398 | 24.5 | 8.24 | 6.90 | | |
| SSW28* | 2/1/89 | | 0.18 | 5.6 | 0.12 | 1.7 | 0.11 | 1.5 | 1.4 | 40 | 0.4 | 11.5 | 5.6 | 79 | 0.50 | 0.75 | | 2.29 | 34.214 | 25.2 | 8.25 | 6.39 | | |
| SSW28* | 2/7/89 | | 0.18 | 5.6 | 0.18 | 2.5 | 0.11 | 1.5 | 2.0 | 57 | 0.4 | 11.5 | 6.2 | 87 | 0.47 | 0.70 | | 2.30 | 34.280 | 25.6 | 8.23 | 6.87 | | |
| SSW28* | 2/15/89 | | 0.18 | 5.6 | 0.21 | 2.9 | 0.09 | 1.3 | 2.2 | 62 | 0.4 | 11.2 | 5.9 | 83 | 0.45 | 0.90 | | 2.30 | 34.283 | 25.0 | 8.24 | 6.89 | | |
| SSW28* | 2/21/89 | | 0.18 | 5.6 | 0.14 | 2.0 | 0.09 | 1.3 | 2.2 | 62 | 0.4 | 11.2 | 6.0 | 84 | 0.48 | 0.75 | | 2.31 | 34.308 | 25.2 | 8.26 | 6.73 | | |
| SSW28* | 2/27/89 | | 0.19 | 5.9 | 0.30 | 4.2 | 0.11 | 1.5 | 2.8 | 79 | 0.4 | 11.5 | 5.4 | 75 | 0.46 | 0.85 | | 2.31 | 34.271 | 24.9 | 8.24 | 6.77 | | |
| SSW28* | 3/6/89 | | 0.19 | 5.9 | 0.52 | 7.3 | 0.16 | 2.2 | 2.8 | 79 | 0.3 | 10.5 | 5.8 | 82 | 0.51 | 0.60 | | 2.33 | 34.349 | 25.2 | 8.25 | 7.22 | | |
| SSW28* | 3/13/89 | | 0.20 | 6.2 | 0.47 | 6.6 | 0.41 | 5.7 | 2.4 | 67 | 0.4 | 11.5 | 5.8 | 81 | 0.49 | 1.05 | | 2.33 | 34.281 | 25.2 | 8.20 | 7.12 | | |
| SSW28* | 3/20/89 | | 0.19 | 5.9 | 0.28 | 3.9 | 0.09 | 1.3 | 2.0 | 56 | 0.4 | 10.8 | 5.3 | 74 | 0.47 | 1.55 | | 2.33 | 34.397 | 25.5 | 8.24 | 7.03 | | |
| SSW28* | 3/28/89 | | 0.16 | 5.0 | 0.40 | 5.6 | 0.11 | 1.5 | 3.0 | 84 | 0.3 | 10.5 | 5.0 | 70 | 0.44 | 0.80 | | 2.34 | 34.343 | 25.3 | 8.25 | 7.06 | | |
| SSW28* | 4/4/89 | | 0.20 | 6.2 | 0.80 | 11.2 | 0.16 | 2.2 | 3.4 | 95 | 0.4 | 11.5 | 5.9 | 82 | 0.50 | 0.65 | | 2.32 | 34.163 | 25.8 | 8.19 | 6.85 | | |
| SSW28* | 4/10/89 | | 0.19 | 5.9 | 0.59 | 6.3 | 0.20 | 2.8 | 3.2 | 90 | 0.4 | 11.5 | 5.7 | 80 | 0.49 | 0.95 | | 2.33 | 34.217 | 25.5 | 8.23 | 6.93 | | |
| SSW28* | 4/18/89 | | 0.19 | 5.9 | 0.42 | 5.9 | 0.20 | 2.8 | 3.4 | 95 | 0.4 | 11.8 | 6.2 | 87 | 0.43 | 0.75 | | 2.33 | 34.238 | 25.2 | 8.24 | 6.96 | | |
| SSW28* | 4/24/89 | | 0.23 | 7.1 | 0.35 | 4.9 | 0.08 | 1.1 | 1.6 | 44 | 0.4 | 11.8 | 4.8 | 67 | 0.40 | 0.70 | | 2.31 | 34.228 | 25.8 | 8.24 | 6.94 | | |
| SSW28* | 5/1/89 | | 0.20 | 6.2 | 0.33 | 4.6 | 0.13 | 1.8 | 2.6 | 72 | 0.3 | 10.5 | 5.4 | 76 | 0.39 | 0.47 | | 2.31 | 34.377 | 25.5 | 8.23 | 7.23 | | |
| SSW28* | 5/8/89 | | 0.22 | 6.8 | 0.26 | 3.6 | 0.16 | 2.2 | 2.6 | 72 | 0.4 | 11.8 | 5.8 | 81 | 0.38 | 0.75 | | 2.31 | 34.391 | 25.5 | 8.25 | 6.76 | | |
| SSW28* | 5/15/89 | | 0.19 | 5.9 | 0.28 | 3.9 | 0.08 | 1.1 | 1.6 | 44 | 0.4 | 11.5 | 6.0 | 84 | 0.40 | | | 2.32 | 34.426 | 25.7 | 8.25 | 7.00 | | |
| SSW28* | 5/22/89 | | 0.19 | 5.9 | 0.24 | 3.4 | 0.11 | 1.5 | 1.6 | 44 | 0.4 | 12.1 | 7.7 | 108 | 0.38 | | | 2.32 | 34.384 | 25.9 | 8.23 | 7.09 | | |
| SSW28* | 5/30/89 | | 0.20 | 6.2 | 0.28 | 3.9 | 0.11 | 1.5 | 2.2 | 61 | 0.4 | 11.8 | 6.6 | 92 | 0.37 | | | 2.30 | 34.350 | 26.2 | 8.26 | 7.07 | | |
| SSW28* | 6/5/89 | | 0.23 | 7.1 | 0.28 | 3.9 | 0.08 | 1.1 | 2.0 | 55 | 0.4 | 12.1 | 5.3 | 75 | 0.36 | | | 2.31 | 34.386 | 26.2 | 8.22 | 7.00 | | |
| SSW28* | 6/13/89 | | 0.22 | 6.8 | 0.33 | 4.6 | 0.05 | 0.7 | 1.8 | 50 | 0.4 | 11.8 | 4.8 | 67 | 0.37 | | | 2.32 | 34.405 | 26.2 | 8.23 | 6.94 | | |
| SSW28* | 6/19/89 | | 0.22 | 6.8 | 0.31 | 4.3 | 0.11 | 1.5 | 2.8 | 78 | 0.4 | 12.1 | 5.9 | 82 | 0.36 | | | 2.32 | 34.401 | 26.4 | 8.24 | 6.94 | | |
| SSW28* | 6/26/89 | | 0.19 | 5.9 | 0.28 | 3.9 | 0.13 | 1.8 | 2.2 | 61 | 0.4 | 12.7 | 6.4 | 90 | 0.35 | | | 2.32 | 34.445 | 26.6 | 7.03 | | | |

NELHA Water Quality Laboratory

SSW 28"

Intake Depth: 21 m, Offshore Pipe Length: 163 m

| SITE ID | DATE MD/Y | TIME (2400) | PO ₄ ³⁻ (µM) | (µg P/L) | NO ₃ ⁻ & NO ₂ ⁻ (µM) | (µg N/L) | NH ₄ ⁺ & NH ₃ (µM) | (µg N/L) | Si (µM) | (µg Si/L) | TDP (µM) | (µg P/L) | TDN (µM) | (µg N/L) | TOC (mgC/L) | TSS (mg/L) | Turbidity (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL |
|---------|--------------|----------------|---------------------------------------|----------|---|----------|--|----------|------------|-----------|-------------|----------|-------------|----------|----------------|---------------|--------------------|----------------|-------------------|--------------|--------------|-------------|---------------------|---|
| SSW28* | 7/3/89 | | 0.20 | 6.2 | 0.17 | 2.4 | 0.10 | 1.4 | 1.9 | 54 | 0.4 | 12.1 | 4.9 | 69 | 0.37 | | | 2.32 | 34.500 | 26.4 | | 6.96 | | |
| SSW28* | 7/10/89 | | 0.22 | 6.8 | 0.22 | 3.1 | 0.12 | 1.7 | 2.7 | 76 | 0.4 | 12.1 | 4.8 | 67 | 0.40 | | | 2.31 | 34.458 | 26.6 | | 6.92 | | |
| SSW28* | 7/17/89 | | 0.20 | 6.2 | 0.24 | 3.4 | 0.15 | 2.1 | 2.7 | 76 | 0.4 | 12.4 | 4.8 | 67 | 0.42 | | | 2.32 | 34.545 | 26.7 | | 7.10 | | |
| SSW28* | 7/24/89 | | 0.21 | 6.5 | 0.28 | 3.9 | 0.15 | 2.1 | 2.9 | 81 | 0.4 | 11.7 | 5.0 | 69 | 0.41 | | | 2.32 | 34.531 | 26.9 | | 8.24 | 6.89 | |
| SSW28* | 8/1/89 | | 0.21 | 6.5 | 0.54 | 7.6 | 0.19 | 2.7 | 4.6 | 129 | 0.4 | 12.1 | 5.8 | 81 | 0.40 | | | 2.31 | 34.418 | 27.5 | | 8.25 | 6.83 | |
| SSW28* | 8/7/89 | | 0.22 | 6.8 | 0.32 | 4.5 | 0.19 | 2.7 | 4.0 | 113 | 0.4 | 13.0 | 7.9 | 111 | 0.42 | | | 2.31 | 34.502 | 27.1 | | 8.26 | 5.86 | |
| SSW28* | 8/14/89 | | 0.22 | 6.8 | 0.40 | 5.6 | 0.19 | 2.7 | 2.8 | 78 | 0.4 | 13.3 | 5.4 | 75 | 0.42 | | | 2.32 | 34.557 | 27.0 | | 8.23 | 5.64 | |
| SSW28* | 8/21/89 | | 0.21 | 6.5 | 0.26 | 3.6 | 0.12 | 1.7 | 1.6 | 44 | 0.4 | 13.0 | 4.9 | 69 | 0.40 | | | 2.33 | 34.670 | 28.5 | | 8.25 | 5.90 | |
| SSW28* | 8/21/89 | | 0.18 | 5.6 | 0.44 | 6.2 | 0.10 | 1.4 | 2.9 | 80 | 0.4 | 11.8 | 5.1 | 72 | 0.49 | | | 2.30 | 34.636 | 28.5 | | 8.25 | 5.93 | |
| SSW28* | 9/5/89 | | 0.19 | 5.9 | 0.46 | 6.4 | 0.08 | 1.1 | 2.6 | 74 | 0.4 | 10.8 | 6.3 | 88 | 0.39 | | | 2.30 | 34.620 | 27.5 | | 8.25 | 5.86 | |
| SSW28* | 9/11/89 | | 0.18 | 5.6 | 0.30 | 4.2 | 0.08 | 1.1 | 2.2 | 63 | 0.4 | 11.8 | 5.8 | 82 | 0.51 | | | 2.31 | 34.667 | 26.8 | | 8.26 | 5.90 | |
| SSW28* | 9/19/89 | | 0.18 | 5.6 | 0.33 | 4.6 | 0.08 | 1.1 | 2.0 | 57 | 0.4 | 10.8 | 6.1 | 86 | 0.44 | | | 2.31 | 34.706 | 26.9 | | 8.26 | 6.76 | |
| SSW28* | 9/27/89 | | 0.18 | 5.6 | 0.30 | 4.2 | 0.08 | 1.1 | 1.8 | 51 | 0.4 | 11.8 | 5.8 | 82 | 0.48 | | | 2.34 | 34.700 | 27.2 | | 8.25 | 6.86 | |
| SSW28* | 10/3/89 | | 0.15 | 4.6 | 0.41 | 5.7 | 0.10 | 1.4 | 1.8 | 51 | 0.3 | 10.5 | 4.4 | 61 | 0.46 | | | 2.34 | 34.738 | 27.3 | | 8.24 | 7.23 | |
| SSW28* | 10/9/89 | | 0.14 | 4.3 | 0.28 | 3.9 | 0.08 | 1.1 | 2.0 | 57 | 0.3 | 10.2 | 4.3 | 60 | 0.45 | | | 2.34 | 34.704 | 27.6 | | 8.22 | 7.32 | |
| SSW28* | 10/16/89 | | 0.12 | 3.7 | 0.22 | 3.1 | 0.10 | 1.4 | 1.0 | 29 | 0.3 | 9.6 | 3.9 | 54 | 0.39 | | | 2.31 | 34.649 | 27.5 | | 8.56 | 6.84 | |
| SSW28* | 10/23/89 | | 0.14 | 4.3 | 0.37 | 5.2 | 0.10 | 1.4 | 1.6 | 46 | 0.3 | 10.2 | 4.9 | 69 | 0.49 | | | 2.33 | 34.682 | 27.3 | | 8.25 | 6.80 | |
| SSW28* | 11/1/89 | | 0.14 | 4.3 | 0.22 | 3.1 | 0.08 | 1.1 | 1.4 | 40 | 0.3 | 10.5 | 4.0 | 56 | 0.50 | | | 2.33 | 34.749 | 26.9 | | 8.21 | 7.12 | |
| SSW28* | 11/9/89 | | 0.14 | 4.3 | 0.17 | 2.4 | 0.06 | 0.8 | 1.6 | 46 | 0.3 | 9.3 | 4.4 | 61 | 0.47 | | | 2.33 | 34.812 | 26.7 | | 8.25 | 6.77 | |
| SSW28* | 11/13/89 | | 0.15 | 4.6 | 0.31 | 4.3 | 0.09 | 1.3 | 2.7 | 74 | 0.3 | 9.3 | 4.5 | 63 | 0.43 | | | 2.34 | 34.885 | 26.6 | | 8.26 | 6.67 | |
| SSW28* | 11/20/89 | | 0.14 | 4.3 | 0.21 | 2.9 | 0.13 | 1.8 | 2.2 | 63 | 0.3 | 9.3 | 5.2 | 72 | 0.43 | | | 2.33 | 34.541 | 26.9 | | 8.26 | 6.99 | |
| SSW28* | 11/27/89 | | 0.14 | 4.3 | 0.24 | 3.4 | 0.21 | 2.9 | 2.5 | 69 | 0.3 | 9.0 | 5.2 | 72 | 0.65 | | | 2.33 | 34.833 | 24.5 | | 8.23 | 6.76 | |
| SSW28* | 12/7/89 | | 0.15 | 4.6 | 0.26 | 3.6 | 0.17 | 2.4 | 2.2 | 63 | 0.3 | 9.3 | 4.9 | 69 | 0.45 | 0.61 | | 2.34 | 34.895 | 26.5 | | 8.24 | 6.94 | |
| SSW28* | 12/14/89 | | 0.15 | 4.6 | 0.24 | 3.4 | 0.19 | 2.7 | 3.3 | 92 | 0.3 | 9.3 | 6.0 | 84 | 0.45 | 1.22 | | 2.34 | 34.926 | 24.8 | | 8.23 | 7.40 | |
| SSW28* | 12/18/89 | | 0.14 | 4.3 | 0.21 | 2.9 | 0.21 | 2.9 | 2.5 | 69 | 0.3 | 9.0 | 4.7 | 65 | 0.44 | 0.10 | | 2.33 | 34.921 | 25.5 | | 8.24 | 7.62 | |
| SSW28* | 12/26/89 | | 0.14 | 4.3 | 0.19 | 2.7 | 0.17 | 2.4 | 2.9 | 80 | 0.3 | 9.0 | 4.9 | 69 | 0.44 | 0.92 | | 2.33 | 34.930 | 25.6 | | 8.25 | 8.09 | |
| SSW28* | 1/4/90 | | 0.14 | 4.3 | 0.24 | 3.4 | 0.15 | 2.1 | 2.2 | 63 | 0.3 | 9.0 | 4.6 | 65 | 0.42 | 0.60 | | 2.27 | 34.933 | 25.9 | | 8.23 | 7.73 | |
| SSW28* | 1/12/90 | | 0.23 | 7.1 | 0.49 | 6.9 | 0.08 | 1.1 | 2.7 | 77 | 0.3 | 8.7 | 4.0 | 56 | 0.93 | 1.01 | | 2.27 | 34.960 | 25.3 | | 8.25 | 7.73 | |
| SSW28* | 1/18/90 | | 0.23 | 7.1 | 1.88 | 26.3 | 0.23 | 3.2 | 14.7 | 413 | 0.3 | 8.7 | 5.6 | 78 | 1.12 | 1.01 | | 2.26 | 34.881 | 25.7 | | 8.23 | 7.63 | |
| SSW28* | 1/22/90 | | 0.20 | 6.2 | 0.50 | 7.0 | 0.05 | 0.7 | 2.7 | 75 | 0.2 | 7.1 | 2.9 | 41 | 0.91 | 0.59 | | 2.28 | 34.848 | 24.9 | | 8.23 | 7.69 | |
| SSW28* | 2/1/90 | | 0.18 | 5.6 | 0.36 | 5.0 | 0.05 | 0.7 | 2.2 | 61 | 0.2 | 7.4 | 2.7 | 37 | 1.08 | 0.85 | | 2.28 | 34.385 | 25.7 | | 8.23 | 7.13 | |
| SSW28* | 2/8/90 | | 0.18 | 5.6 | 0.46 | 6.4 | 0.05 | 0.7 | 2.8 | 79 | 0.3 | 8.7 | 3.0 | 42 | 1.09 | 0.48 | | 2.28 | 34.579 | 25.2 | | 8.24 | 7.09 | |
| SSW28* | 2/15/90 | | 0.20 | 6.2 | 0.45 | 6.3 | 0.05 | 0.7 | 3.2 | 89 | 0.4 | 12.1 | 3.0 | 42 | 0.97 | 1.01 | | 2.28 | 34.561 | 25.6 | | 8.24 | 7.17 | |
| SSW28* | 2/20/90 | | 0.22 | 6.8 | 0.52 | 7.3 | 0.05 | 0.7 | 3.1 | 86 | 0.4 | 11.2 | 4.0 | 55 | 0.85 | 0.41 | | 2.31 | 34.852 | 24.8 | | 8.24 | 7.29 | |
| SSW28* | 2/26/90 | | 0.21 | 6.5 | 0.52 | 7.3 | 0.05 | 0.7 | 3.3 | 93 | 0.3 | 8.7 | 3.8 | 53 | 1.03 | 0.44 | | 2.31 | 34.744 | 24.5 | | 8.23 | 7.17 | |
| SSW28* | 3/6/90 | | 0.20 | 6.2 | 2.77 | 38.8 | 0.05 | 0.7 | 26.0 | 730 | 0.4 | 11.5 | 7.1 | 99 | 1.35 | 0.15 | | 2.30 | 34.598 | 24.2 | | 8.24 | 7.09 | |
| SSW28* | 3/13/90 | | 0.21 | 6.5 | 0.52 | 7.3 | 0.05 | 0.7 | 2.9 | 82 | 0.3 | 9.3 | 3.9 | 55 | 0.94 | 0.30 | | 2.30 | 34.628 | 24.8 | | 8.23 | 7.12 | |
| SSW28* | 3/21/90 | | 0.20 | 6.2 | 0.52 | 7.3 | 0.05 | 0.7 | 2.9 | 82 | 0.4 | 11.2 | 4.0 | 56 | 0.86 | 0.23 | | 2.30 | 34.641 | 24.6 | | 8.26 | 7.09 | |
| SSW28* | 3/27/90 | | 0.20 | 6.2 | 0.47 | 6.6 | 0.05 | 0.7 | 2.9 | 82 | 0.5 | 14.2 | 3.4 | 47 | 0.96 | 0.30 | | 2.30 | 34.729 | 24.5 | | 8.25 | 7.19 | |
| SSW28* | 4/2/90 | | 0.03 | 0.9 | 0.12 | 1.7 | 0.26 | 3.6 | 3.3 | 91 | 0.3 | 10.2 | 4.0 | 56 | 0.90 | 0.34 | | 2.30 | 34.512 | 25.1 | | 8.25 | 7.03 | |
| SSW28* | 4/9/90 | | 0.05 | 1.5 | 0.17 | 2.4 | 0.23 | 3.2 | 3.1 | 87 | 0.3 | 9.3 | 4.4 | 61 | 0.94 | 0.19 | | 2.30 | 34.549 | 25.1 | | 8.24 | 7.01 | |
| SSW28* | 4/16/90 | | 0.01 | 0.3 | 0.02 | 0.2 | 0.15 | 2.1 | 2.4 | 68 | 0.4 | 11.2 | 4.2 | 58 | 1.07 | 0.42 | | 2.28 | 34.665 | 25.5 | | 8.28 | 6.97 | |
| SSW28* | 4/23/90 | | 0.17 | 5.3 | 0.20 | 2.8 | 0.01 | 0.1 | 1.5 | 41 | 0.5 | 15.5 | 5.8 | 81 | 2.31 | 0.33 | | 2.27 | 34.480 | 25.8 | | 8.25 | 6.32 | |
| SSW28* | 4/30/90 | | 0.16 | 5.0 | 0.23 | 3.2 | 0.01 | 0.1 | 1.5 | 41 | 0.5 | 14.6 | 6.8 | 96 | 1.21 | 0.19 | | 2.29 | 34.749 | 25.8 | | 8.23 | 6.44 | |
| SSW28* | 5/7/90 | | 0.16 | 5.0 | 0.24 | 3.4 | 0.09 | 1.3 | 2.4 | 68 | 0.5 | 13.9 | 5.9 | 83 | 0.96 | 0.52 | | 2.28 | 34.679 | 26.1 | | 8.28 | 6.39 | |
| SSW28* | 5/14/90 | | 0.16 | 5.0 | 0.29 | 4.1 | 0.09 | 1.3 | 1.9 | 54 | 0.5 | 14.6 | 6.8 | 96 | 0.93 | 0.70 | | 2.29 | 34.769 | 25.8 | | 8.26 | 6.47 | |
| SSW28* | 5/21/90 | | 0.16 | 5.0 | 0.26 | 3.6 | 0.18 | 2.5 | 2.6 | 72 | 0.5 | 14.6 | 6.5 | 90 | 0.96 | 0.54 | | 2.29 | 34.759 | 25.2 | | 8.32 | 6.82 | |
| SSW28* | 5/29/90 | | 0.16 | 5.0 | 0.25 | 3.5 | 0.18 | 2.5 | 2.0 | 56 | 0.5 | 16.1 | 6.3 | 89 | 1.06 | | | 2.29 | 34.649 | 26.3 | | 8.30 | 6.85 | |
| SSW28* | 6/4/90 | | 0.16 | 5.0 | 0.29 | 4.1 | 0.27 | 3.8 | 2.1 | 60 | 0.5 | 14.6 | 7.0 | 98 | 2.90 | 0.69 | | 2.29 | 34.706 | 25.9 | | 8.30 | 6.76 | |
| SSW28* | 6/11/90 | | 0.03 | 0.9 | 0.14 | 2.0 | 0.37 | 5.2 | 1.9 | 53 | 0.1 | 1.9 | 9.8 | 138 | 3.41 | 1.40 | | 2.27 | 34.659 | 26.1 | | 8.32 | 6.64 | |
| SSW28* | 6/18/90 | | 0.08 | 2.5 | 0.24 | 3.4 | 0.37 | 5.2 | 3.0 | 83 | 0.1 | 3.4 | 2.6 | 36 | 7.54 | 0.12 | | 2.28 | 34.627 | 26.2 | | 8.31 | 6.44 | |
| SSW28* | 6/25/90 | | 0.05 | 1.5 | 0.22 | 3.1 | 0.44 | 6.2 | 2.3 | 63 | 0.1 | 3.4 | 3.1 | 43 | 1.00 | 0.89 | | 2.29 | 34.688 | 26.4 | | 8.31 | 6.57 | |

NELHA Water Quality Laboratory

SSW 28"

Intake Depth: 21 m, Offshore Pipe Length: 163 m

| SITE ID | DATE MD/Y | TIME (2400) | PO ₄ ³⁻ (µM) | (µg P/L) | NO ₃ ⁻ & NO ₂ ⁻ (µM) | (µg N/L) | NH ₄ ⁺ & NH ₃ (µM) | (µg N/L) | Si (µM) | (µg Si/L) | TDP (µM) | (µg P/L) | TDN (µM) | (µg N/L) | TOC (mgC/L) | TSS (mg/L) | Turbidity (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL | |
|---------|--------------|----------------|---------------------------------------|----------|---|----------|--|----------|------------|-----------|-------------|----------|-------------|----------|----------------|---------------|--------------------|----------------|-------------------|--------------|--------------|-------------|---------------------|---|--|
| SSW28* | 7/2/90 | | 0.08 | 2.5 | 0.17 | 2.4 | 0.37 | 5.2 | 1.9 | 53 | 0.1 | 3.4 | 3.3 | 46 | 2.66 | 0.37 | | 2.29 | 34.734 | 26.3 | 8.29 | 6.60 | | | |
| SSW28* | 7/6/90 | | 0.08 | 2.5 | 0.20 | 2.8 | 0.40 | 5.6 | 2.6 | 73 | 0.1 | 4.0 | 3.3 | 46 | 1.06 | 0.53 | | 2.30 | 34.744 | 26.0 | 8.30 | 6.60 | | | |
| SSW28* | 7/13/90 | | 0.10 | 3.1 | 0.14 | 2.0 | 0.44 | 6.2 | 2.0 | 57 | 0.1 | 3.4 | 2.9 | 41 | 1.18 | 0.51 | | 2.30 | 34.714 | 26.4 | 8.29 | 6.76 | | | |
| SSW28* | 7/23/90 | | 0.08 | 2.5 | 0.11 | 1.5 | 0.37 | 5.2 | 2.3 | 63 | 0.1 | 3.4 | 3.7 | 52 | 3.27 | 0.53 | | 2.31 | 34.727 | 26.8 | 8.30 | 6.44 | | | |
| SSW28* | 7/30/90 | | 0.05 | 1.5 | 0.14 | 2.0 | 0.37 | 5.2 | 1.8 | 52 | 0.1 | 4.0 | 5.7 | 80 | 1.95 | 0.32 | | 2.30 | 34.700 | 27.5 | 8.27 | 6.39 | | | |
| SSW28* | 8/6/90 | | 0.10 | 3.1 | 0.20 | 2.8 | 0.59 | 8.3 | 1.8 | 50 | 0.4 | 13.6 | 3.4 | 47 | 3.62 | 0.32 | | 2.31 | 34.686 | 27.7 | 8.29 | 6.33 | | | |
| SSW28* | 8/13/90 | | 0.14 | 4.3 | 0.20 | 2.8 | 0.43 | 6.0 | 2.0 | 55 | 0.4 | 13.0 | 3.1 | 43 | 1.04 | 0.49 | | 2.31 | 34.751 | 27.4 | 8.28 | 6.43 | | | |
| SSW28* | 8/20/90 | | 0.09 | 2.8 | 0.15 | 2.1 | 0.51 | 7.1 | 1.8 | 50 | 0.4 | 13.0 | 3.4 | 48 | 1.42 | 0.58 | | 2.30 | 34.735 | 27.6 | 8.29 | 6.55 | | | |
| SSW28* | 8/27/90 | | 0.09 | 2.8 | 0.20 | 2.8 | 0.43 | 6.0 | 2.1 | 60 | 0.4 | 11.8 | 2.7 | 38 | 2.57 | 0.61 | | 2.31 | 34.735 | 27.9 | 8.28 | 6.40 | | | |
| SSW28* | 9/4/90 | | 0.13 | 4.0 | 0.33 | 4.6 | 0.51 | 7.1 | 3.1 | 87 | 0.4 | 13.0 | 2.8 | 39 | 2.13 | 0.72 | | 2.32 | 34.764 | 28.1 | 8.27 | 6.71 | | | |
| SSW28* | 9/10/90 | | 0.14 | 4.3 | 0.20 | 2.8 | 0.59 | 8.3 | 4.0 | 113 | 0.4 | 13.0 | 2.7 | 38 | 0.85 | 0.69 | | 2.31 | 34.789 | 27.9 | 8.29 | 7.39 | | | |
| SSW28* | 9/17/90 | | 0.14 | 4.3 | 0.25 | 3.5 | 0.51 | 7.1 | 2.2 | 63 | 0.4 | 13.6 | 4.0 | 56 | 1.20 | 0.62 | | 2.32 | 34.756 | 28.4 | 8.26 | 6.64 | | | |
| SSW28* | 9/24/90 | | 0.13 | 4.0 | 0.23 | 3.2 | 0.51 | 7.1 | 2.4 | 66 | 0.4 | 12.1 | 3.7 | 51 | 1.36 | 0.74 | | 2.32 | 34.770 | 28.3 | 8.28 | 6.46 | | | |
| SSW28* | 10/1/90 | | 0.13 | 4.0 | 0.23 | 3.2 | 0.51 | 7.1 | 1.8 | 50 | 0.5 | 13.9 | 3.9 | 55 | 1.07 | 0.81 | | 2.26 | 34.790 | 27.9 | 8.28 | 6.57 | | | |
| SSW28* | 10/10/90 | | 0.14 | 4.3 | 0.25 | 3.5 | 0.75 | 10.5 | 2.5 | 69 | 0.4 | 11.8 | 3.7 | 51 | 0.94 | 0.58 | | 2.26 | 34.786 | 27.9 | 8.29 | 6.40 | | | |
| SSW28* | 10/15/90 | | 0.18 | 5.6 | 0.67 | 9.4 | 1.23 | 17.2 | 2.5 | 69 | 0.5 | 13.9 | 4.0 | 56 | 1.04 | 0.69 | | 2.26 | 34.779 | 28.0 | 8.24 | 6.16 | | | |
| SSW28* | 10/22/90 | | 0.09 | 2.8 | 0.20 | 2.8 | 0.43 | 6.0 | 2.7 | 77 | 0.4 | 13.0 | 3.3 | 47 | 3.03 | 0.65 | | 2.25 | 34.846 | 27.4 | 8.27 | 6.54 | | | |
| SSW28* | 10/29/90 | | 0.10 | 3.1 | 0.42 | 5.9 | 0.15 | 2.2 | 3.6 | 100 | 0.2 | 5.0 | 5.0 | 70 | 2.60 | 0.77 | | 2.25 | 34.899 | 27.2 | 8.27 | 6.23 | | | |
| SSW28* | 11/5/90 | | 0.08 | 2.5 | 0.17 | 2.4 | 0.08 | 1.1 | 2.1 | 58 | 0.1 | 3.4 | 3.8 | 54 | 1.02 | 0.75 | | 2.26 | 34.882 | 27.4 | 8.27 | 6.36 | | | |
| SSW28* | 11/13/90 | | 0.05 | 1.5 | 0.12 | 1.7 | 0.26 | 3.6 | 2.5 | 70 | 0.3 | 9.3 | 3.4 | 47 | 1.18 | 0.67 | | 2.26 | 34.990 | 26.4 | 8.25 | 6.23 | | | |
| SSW28* | 11/20/90 | | 0.05 | 1.5 | 0.12 | 1.7 | 0.26 | 3.6 | 2.8 | 78 | 0.3 | 10.2 | 3.4 | 47 | 1.21 | 1.11 | | 2.26 | 34.968 | 25.9 | 8.28 | 6.36 | | | |
| SSW28* | 11/28/90 | | 0.05 | 1.5 | 0.26 | 3.6 | 0.26 | 3.6 | 3.6 | 101 | 0.3 | 10.2 | 3.3 | 47 | 0.94 | 2.90 | | 2.27 | 34.861 | 26.2 | 8.30 | 6.28 | | | |
| SSW28* | 12/3/90 | | 0.07 | 2.2 | 0.12 | 1.7 | 0.20 | 2.8 | 4.4 | 124 | 0.4 | 11.2 | 2.9 | 40 | 0.98 | 0.91 | | 2.28 | 34.657 | 26.5 | 8.29 | 6.34 | | | |
| SSW28* | 12/11/90 | | 0.09 | 2.8 | 0.12 | 1.7 | 0.26 | 3.6 | 5.9 | 165 | 0.4 | 11.2 | 3.0 | 42 | 1.02 | 0.44 | | 2.28 | 34.631 | 26.4 | 8.26 | 6.41 | | | |
| SSW28* | 12/17/90 | | 0.09 | 2.8 | 0.16 | 2.2 | 0.26 | 3.6 | 3.6 | 101 | 0.4 | 11.2 | 3.0 | 42 | 0.82 | 1.05 | | 2.29 | 34.782 | 26.4 | 8.28 | 6.56 | | | |
| SSW28* | 12/28/90 | | 0.11 | 3.4 | 0.14 | 2.0 | 0.13 | 1.8 | 2.7 | 76 | 0.4 | 12.4 | 4.8 | 67 | 0.91 | 1.08 | | 2.29 | 34.666 | 25.4 | 8.29 | 6.41 | | | |
| SSW28* | 1/2/91 | | 0.08 | 2.5 | 0.09 | 1.3 | 0.16 | 2.2 | 2.2 | 62 | 0.4 | 12.4 | 3.2 | 45 | 1.05 | 0.76 | | 2.28 | 34.740 | 25.6 | 8.31 | 6.57 | | | |
| SSW28* | 1/7/91 | | 0.14 | 4.3 | 0.20 | 2.8 | 0.18 | 2.5 | 2.3 | 64 | 0.4 | 11.2 | 3.1 | 43 | 0.95 | 0.90 | | 2.28 | 34.707 | 25.5 | 8.31 | 6.59 | | | |
| SSW28* | 1/14/91 | | 0.11 | 3.4 | 0.09 | 1.3 | 0.16 | 2.2 | 2.1 | 58 | 0.5 | 14.2 | 3.3 | 46 | 0.97 | 0.97 | | 2.28 | 34.710 | 25.1 | 8.29 | 6.62 | | | |
| SSW28* | 1/24/91 | | 0.06 | 2.0 | 0.23 | 3.2 | 0.35 | 4.9 | 2.4 | 68 | 0.3 | 8.4 | 2.9 | 41 | 1.45 | 1.12 | | 2.28 | 34.741 | 25.1 | 8.31 | 6.60 | | | |
| SSW28* | 1/28/91 | | 0.08 | 2.5 | 0.23 | 3.2 | 0.38 | 5.3 | 2.0 | 56 | 0.2 | 7.1 | 2.9 | 41 | 0.90 | 0.83 | | 2.25 | 34.794 | 24.9 | 8.30 | 6.86 | | | |
| SSW28* | 2/4/91 | | 0.06 | 1.9 | 0.10 | 1.4 | 0.38 | 5.3 | 2.3 | 64 | 0.3 | 9.9 | 3.1 | 44 | 0.96 | 0.89 | | 2.25 | 34.744 | 25.1 | 8.30 | 6.77 | | | |
| SSW28* | 2/11/91 | | 0.10 | 3.0 | 0.26 | 3.6 | 0.38 | 5.3 | 3.0 | 83 | 0.3 | 9.9 | 3.7 | 52 | 1.56 | 0.15 | | 2.24 | 34.748 | 25.2 | 8.30 | 6.83 | | | |
| SSW28* | 2/19/91 | | 0.10 | 3.1 | 0.21 | 2.9 | 0.38 | 5.3 | 2.6 | 74 | 0.2 | 7.4 | 3.5 | 49 | 1.11 | 0.56 | | 2.25 | 34.801 | 25.2 | 8.31 | 6.76 | | | |
| SSW28* | 2/25/91 | | 0.14 | 4.3 | 0.33 | 4.6 | 0.45 | 6.3 | 3.4 | 96 | 0.2 | 7.4 | 3.1 | 43 | 0.97 | 0.29 | | 2.25 | 34.774 | 25.0 | 8.29 | 6.73 | | | |
| SSW28* | 3/4/91 | | 0.14 | 4.3 | 0.33 | 4.6 | 0.38 | 5.3 | 3.3 | 91 | 0.2 | 7.4 | 3.3 | 46 | 0.96 | 1.51 | | 2.26 | 34.820 | 24.9 | 8.29 | 6.86 | | | |
| SSW28* | 3/11/91 | | 0.12 | 3.7 | 0.36 | 5.0 | 0.40 | 5.6 | 2.9 | 81 | 0.3 | 8.7 | 3.4 | 47 | 0.98 | 0.43 | | 2.26 | 34.837 | 24.8 | 8.28 | 6.69 | | | |
| SSW28* | 3/18/91 | | 0.12 | 3.7 | 0.39 | 5.5 | 0.38 | 5.3 | 2.6 | 74 | 1.4 | 43.1 | 3.5 | 48 | 0.87 | 0.25 | | 2.25 | 34.801 | 23.6 | 8.27 | 9.68 | | | |
| SSW28* | 3/27/91 | | 0.14 | 4.3 | 0.39 | 5.5 | 0.35 | 4.9 | 2.6 | 72 | 0.2 | 7.1 | 2.9 | 41 | 0.89 | 0.04 | | 2.24 | 34.738 | 24.7 | 8.28 | 11.10 | | | |
| SSW28* | 4/1/91 | | 0.12 | 3.7 | 0.33 | 4.6 | 0.35 | 4.9 | 2.3 | 64 | 0.3 | 8.7 | 4.0 | 56 | 1.21 | 0.04 | | 2.24 | 34.769 | 24.5 | 8.27 | 10.91 | | | |
| SSW28* | 4/8/91 | | 0.09 | 2.8 | 0.19 | 2.7 | 0.45 | 6.3 | 3.1 | 88 | 0.2 | 6.8 | 2.8 | 39 | 1.18 | 0.19 | | 2.38 | 34.729 | 24.8 | 8.28 | 6.62 | | | |
| SSW28* | 4/15/91 | | 0.09 | 2.8 | 0.19 | 2.7 | 0.45 | 6.3 | 3.4 | 96 | 0.3 | 8.4 | 3.1 | 43 | 0.99 | 0.37 | | 2.38 | 34.645 | 25.3 | 8.27 | 21.72 | | | |
| SSW28* | 4/23/91 | | 0.09 | 2.8 | 0.14 | 2.0 | 0.48 | 6.7 | 2.7 | 76 | 0.3 | 9.3 | 3.0 | 43 | 0.93 | 0.19 | | 2.37 | 34.589 | 24.9 | 8.27 | 12.43 | | | |
| SSW28* | 4/29/91 | | 0.09 | 2.8 | 0.19 | 2.7 | 0.43 | 6.0 | 2.1 | 59 | 0.3 | 8.4 | 2.6 | 36 | 0.93 | 0.13 | | 2.38 | 34.642 | 25.1 | 8.29 | 14.23 | | | |
| SSW28* | 5/6/91 | | 0.09 | 2.8 | 0.19 | 2.7 | 0.40 | 5.6 | 3.0 | 84 | 0.3 | 8.7 | 3.0 | 43 | 1.02 | 0.32 | | 2.37 | 34.630 | 25.4 | 8.30 | 6.61 | | | |
| SSW28* | 5/8/91 | | | | | | | | | | | | | | | | | | | | | | 6.45 | | |
| SSW28* | 5/13/91 | | 0.09 | 2.8 | 0.19 | 2.7 | 0.39 | 5.5 | 2.4 | 67 | 0.3 | 8.7 | 2.7 | 38 | 1.20 | 0.32 | | 2.38 | 34.661 | 25.3 | 8.30 | 6.77 | | | |
| SSW28* | 5/20/91 | | 0.09 | 2.8 | 0.06 | 0.8 | 0.50 | 7.0 | 1.7 | 48 | 0.4 | 11.2 | 3.3 | 46 | 1.18 | 0.49 | | 2.37 | 34.508 | 26.0 | 8.30 | 6.75 | | | |
| SSW28* | 5/28/91 | | 0.07 | 2.2 | 0.17 | 2.4 | 0.21 | 2.9 | 2.3 | 65 | 0.3 | 10.5 | 4.3 | 60 | 1.04 | 0.30 | | 2.38 | 34.590 | 25.5 | 8.30 | 6.64 | | | |
| SSW28* | 6/4/91 | | 0.07 | 2.2 | 0.17 | 2.4 | 0.24 | 3.4 | 3.1 | 87 | 0.3 | 10.5 | 4.3 | 60 | 1.15 | 0.31 | | 2.37 | 34.578 | 26.1 | 8.30 | 6.64 | | | |
| SSW28* | 6/10/91 | | 0.06 | 1.9 | 0.19 | 2.7 | 0.18 | 2.5 | 10.8 | 303 | 0.3 | 10.5 | 3.6 | 50 | 0.98 | 0.47 | | 2.39 | 34.619 | 25.9 | 8.28 | 6.69 | | | |

NELHA Water Quality Laboratory
SSW 28"
Intake Depth: 21 m, Offshore Pipe Length: 163 m

| SITE ID | DATE MD/Y | TIME (2400) | PO ₄ ³⁻ (µM) | (µg P/L) | NO ₃ ⁻ & NO ₂ ⁻ (µM) | (µg N/L) | NH ₄ ⁺ & NH ₃ (µM) | (µg N/L) | Si (µM) | (µg Si/L) | TDP (µM) | (µg P/L) | TDN (µM) | (µg N/L) | TOC (mgC/L) | TSS (mg/L) | Turbidity (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL |
|---------|--------------|----------------|---------------------------------------|----------|---|----------|--|----------|------------|-----------|-------------|----------|-------------|----------|----------------|---------------|--------------------|----------------|-------------------|--------------|--------------|-------------|---------------------|---|
| SSW28* | 7/1/91 | | 0.11 | 3.4 | 1.57 | 22.0 | 0.40 | 5.6 | 18.3 | 514 | 0.4 | 13.6 | 3.0 | 41 | 1.05 | 0.23 | | 2.31 | 34.666 | 26.1 | 8.27 | 6.77 | | |
| SSW28* | 7/9/91 | | 0.07 | 2.2 | 0.29 | 4.1 | 0.26 | 3.6 | 3.5 | 99 | 0.4 | 11.2 | 5.1 | 72 | 0.98 | 0.50 | | 2.33 | 34.643 | 26.8 | 8.27 | 6.65 | | |
| SSW28* | 7/16/91 | | 0.05 | 1.5 | 0.16 | 2.2 | 0.22 | 3.1 | 2.5 | 69 | 0.2 | 7.4 | 2.3 | 32 | 1.05 | 0.74 | | 2.34 | 34.706 | 26.4 | 8.28 | 6.70 | | |
| SSW28* | 7/22/91 | | 0.08 | 2.5 | 0.12 | 1.7 | 0.22 | 3.1 | 4.1 | 115 | 0.3 | 9.0 | 2.4 | 34 | 1.10 | 0.64 | | 2.33 | 34.690 | 26.4 | 8.28 | 6.68 | | |
| SSW28* | 7/26/91 | | 0.08 | 2.5 | 0.09 | 1.3 | 0.22 | 3.1 | 2.0 | 56 | 0.3 | 9.3 | 2.6 | 36 | 0.96 | 0.50 | | 2.33 | 34.646 | 26.3 | 8.27 | 6.74 | | |
| SSW28* | 8/5/91 | | 0.08 | 2.5 | 0.09 | 1.3 | 0.25 | 3.5 | 1.9 | 52 | 0.3 | 9.0 | 2.2 | 30 | 0.85 | 0.26 | | 2.33 | 34.650 | 26.4 | 8.25 | 6.75 | | |
| SSW28* | 8/15/91 | | 0.12 | 3.7 | 0.21 | 2.9 | 0.34 | 4.8 | 2.3 | 65 | 0.3 | 10.5 | 3.9 | 55 | 1.11 | 0.42 | | 2.33 | 34.654 | 26.5 | 8.28 | 6.69 | | |
| SSW28* | 8/21/91 | | 0.06 | 1.9 | 0.07 | 1.0 | 0.33 | 4.6 | 3.5 | 97 | 0.2 | 5.9 | 5.9 | 83 | 0.87 | 0.04 | | 2.33 | 34.606 | 27.1 | 8.29 | 6.55 | | |
| SSW28* | 8/27/91 | | 0.05 | 1.5 | 0.54 | 7.6 | 0.15 | 2.1 | 4.0 | 113 | 0.2 | 7.1 | 5.6 | 79 | 1.06 | 0.18 | | 2.33 | 34.628 | 27.0 | 8.28 | 6.57 | | |
| SSW28* | 9/6/91 | | 0.08 | 2.5 | 0.27 | 3.8 | 0.68 | 9.5 | 2.5 | 69 | 0.2 | 5.3 | 4.0 | 56 | 0.99 | 0.13 | | 2.33 | 34.678 | 26.8 | 8.26 | 6.55 | | |
| SSW28* | 9/13/91 | | 0.03 | 0.9 | 0.27 | 3.8 | 0.28 | 3.9 | 2.9 | 81 | 0.2 | 7.1 | 2.8 | 39 | 0.93 | 0.28 | | 2.34 | 34.813 | 26.7 | 8.27 | 6.34 | | |
| SSW28* | 9/18/91 | | 0.05 | 1.5 | 0.27 | 3.8 | 0.42 | 5.9 | 3.2 | 89 | 0.2 | 5.3 | 3.2 | 44 | 0.95 | 0.54 | | 2.34 | 34.832 | 26.9 | 8.29 | 6.39 | | |
| SSW28* | 9/25/91 | | 0.02 | 0.6 | 0.20 | 2.8 | 0.19 | 2.7 | 2.3 | 65 | 0.2 | 5.9 | 3.0 | 41 | 1.07 | 0.45 | | 2.35 | 34.839 | 27.1 | 8.24 | 6.75 | | |
| SSW28* | 10/1/91 | | 0.05 | 1.5 | 0.27 | 3.8 | 0.37 | 5.2 | 3.5 | 97 | 0.2 | 7.1 | 3.5 | 49 | 0.95 | 0.31 | | 2.34 | 34.725 | 26.8 | 8.25 | 6.40 | | |
| SSW28* | 10/9/91 | | 0.11 | 3.4 | 0.23 | 3.2 | 0.14 | 2.0 | 2.2 | 60 | 0.3 | 9.0 | 4.1 | 58 | 1.39 | 0.34 | | 2.35 | 34.737 | 26.9 | 8.23 | 7.44 | | |
| SSW28* | 10/25/91 | | 0.05 | 1.5 | 0.18 | 2.5 | 0.10 | 1.4 | 2.8 | 79 | 0.3 | 9.6 | 3.1 | 44 | 1.74 | 0.47 | | 2.34 | 34.773 | 27.2 | 8.25 | 6.46 | | |
| SSW28* | 11/4/91 | | 0.03 | 0.9 | 0.32 | 4.5 | 0.18 | 2.5 | 2.5 | 69 | 0.3 | 8.7 | 4.4 | 62 | 1.29 | 0.13 | | 2.34 | 34.777 | 27.4 | 8.25 | 6.55 | | |
| SSW28* | 11/8/91 | | 0.03 | 0.9 | 0.26 | 3.6 | 0.20 | 2.8 | 2.6 | 73 | 0.3 | 10.5 | 3.7 | 52 | 1.40 | 0.58 | | 2.34 | 34.736 | 27.1 | 8.27 | 6.50 | | |
| SSW28* | 11/14/91 | | 0.07 | 2.2 | 0.21 | 2.9 | 0.19 | 2.7 | 2.0 | 55 | 0.3 | 9.3 | 3.3 | 47 | 0.95 | 0.33 | | 2.34 | 34.815 | 26.8 | 8.26 | 6.47 | | |
| SSW28* | 11/22/91 | | 0.07 | 2.2 | 0.34 | 4.8 | 0.21 | 2.9 | 5.3 | 148 | 0.3 | 10.2 | 3.2 | 44 | 1.01 | 0.20 | | 2.35 | 34.854 | 26.7 | 8.26 | 6.52 | | |
| SSW28* | 11/29/91 | | 0.09 | 2.8 | 0.39 | 5.5 | 0.25 | 3.5 | 12.3 | 345 | 0.3 | 10.2 | 3.1 | 43 | 0.96 | 0.28 | | 2.29 | 34.795 | 26.6 | 8.27 | 6.45 | | |
| SSW28* | 12/6/91 | | 0.07 | 2.2 | 0.17 | 2.4 | 0.29 | 4.1 | 2.2 | 60 | 0.4 | 10.8 | 3.0 | 42 | 0.96 | 0.25 | | 2.30 | 34.852 | 26.4 | 8.26 | 6.61 | | |
| SSW28* | 12/12/91 | | 0.14 | 4.3 | 0.94 | 55.2 | 0.29 | 4.1 | 37.4 | 1050 | 0.4 | 12.1 | 6.9 | 96 | 1.02 | 0.25 | | 2.30 | 34.851 | 26.1 | 8.26 | 6.56 | | |
| SSW28* | 12/19/91 | | 0.09 | 2.8 | 0.26 | 3.6 | 0.27 | 3.8 | 2.4 | 66 | 0.3 | 10.2 | 4.1 | 57 | 0.99 | 0.06 | | 2.29 | 34.784 | 25.9 | 8.26 | 6.70 | | |
| SSW28* | 12/23/91 | | 0.11 | 3.4 | 0.63 | 8.8 | 0.43 | 6.0 | 4.0 | 112 | 0.3 | 9.6 | 7.6 | 106 | 0.97 | 0.11 | | 2.29 | 34.666 | 25.9 | 8.25 | 6.57 | | |
| SSW28* | 1/3/92 | | 0.10 | 3.1 | 0.63 | 8.8 | 0.38 | 5.3 | 1.8 | 49 | 0.3 | 9.6 | 6.7 | 94 | 1.67 | 0.19 | | 2.29 | 34.691 | 25.3 | 8.28 | 6.65 | | |
| SSW28* | 1/10/92 | | 0.08 | 2.5 | 0.63 | 8.8 | 0.38 | 5.3 | 2.3 | 66 | 0.3 | 9.6 | 6.7 | 94 | 1.08 | 0.89 | | 2.29 | 34.740 | 24.9 | 8.30 | 6.71 | | |
| SSW28* | 1/16/92 | | 0.11 | 3.4 | 0.85 | 11.9 | 0.38 | 5.3 | 2.9 | 82 | 0.3 | 9.6 | 6.6 | 92 | 0.99 | 0.17 | | 2.29 | 34.793 | 24.6 | 8.29 | 7.02 | | |
| SSW28* | 1/22/92 | | 0.12 | 3.7 | 0.15 | 2.1 | 0.23 | 3.2 | 2.6 | 74 | 0.3 | 9.9 | 3.3 | 46 | 1.04 | 0.23 | | 2.29 | 34.809 | 24.4 | 8.32 | 6.79 | | |
| SSW28* | 1/30/92 | | 0.15 | 4.6 | 0.44 | 6.2 | 0.23 | 3.2 | 3.5 | 98 | 0.3 | 9.9 | 4.1 | 58 | 1.60 | 0.02 | | 2.29 | 34.508 | 24.6 | 8.27 | 6.94 | | |
| SSW28* | 2/6/92 | | 0.14 | 4.3 | 0.20 | 2.8 | 0.21 | 2.9 | 2.3 | 65 | 0.3 | 9.6 | 3.3 | 46 | 1.29 | 0.44 | | 2.30 | 34.701 | 24.2 | 8.29 | 6.87 | | |
| SSW28* | 2/14/92 | | 0.11 | 3.4 | 0.24 | 3.4 | 0.36 | 5.0 | 4.3 | 121 | 0.4 | 12.1 | 3.5 | 48 | 0.96 | 0.33 | | 2.30 | 34.692 | 24.4 | 8.27 | 6.76 | | |
| SSW28* | 2/20/92 | | 0.14 | 4.3 | 0.24 | 3.4 | 0.31 | 4.3 | 4.1 | 116 | 0.4 | 12.4 | 3.5 | 49 | 0.87 | 0.30 | | 2.30 | 34.674 | 24.5 | 8.26 | 6.84 | | |
| SSW28* | 2/27/92 | | 0.14 | 4.3 | 0.24 | 3.4 | 0.36 | 5.0 | 2.6 | 74 | 0.3 | 10.2 | 3.2 | 44 | 0.94 | 0.07 | | 2.30 | 34.609 | 24.1 | 8.26 | 6.84 | | |
| SSW28* | 3/5/92 | | 0.08 | 2.5 | 0.09 | 1.3 | 0.35 | 4.9 | 3.7 | 104 | 0.3 | 9.9 | 5.1 | 71 | 1.12 | 0.23 | | 2.30 | 34.659 | 24.8 | 8.27 | 6.95 | | |
| SSW28* | 3/12/92 | | 0.15 | 4.6 | 0.09 | 1.3 | 0.31 | 4.3 | 2.2 | 63 | 0.3 | 9.9 | 4.0 | 56 | 1.08 | 0.12 | | 2.27 | 34.185 | 24.9 | 8.26 | 6.85 | | |
| SSW28* | 3/20/92 | | 0.12 | 3.7 | 0.09 | 1.3 | 0.31 | 4.3 | 2.6 | 72 | 0.3 | 10.2 | 4.8 | 67 | 1.14 | 0.08 | | 2.28 | 34.399 | 24.2 | 8.25 | 6.73 | | |
| SSW28* | 3/25/92 | | 0.15 | 4.6 | 0.09 | 1.3 | 0.40 | 5.6 | 2.6 | 72 | 0.3 | 10.2 | 3.6 | 50 | 0.99 | 0.14 | | 2.29 | 34.591 | 24.4 | 8.27 | 6.79 | | |
| SSW28* | 4/2/92 | | 0.12 | 3.7 | 0.06 | 0.8 | 0.31 | 4.3 | 2.1 | 58 | 0.4 | 10.8 | 4.3 | 61 | 1.25 | 0.49 | | 2.29 | 34.571 | 24.7 | 8.27 | 6.80 | | |
| SSW28* | 4/9/92 | | 0.15 | 4.6 | 0.34 | 4.8 | 0.33 | 4.6 | 2.6 | 72 | 0.3 | 9.9 | 4.7 | 65 | 1.22 | 0.29 | | 2.27 | 34.603 | 24.5 | 8.26 | 6.73 | | |
| SSW28* | 4/21/92 | | 0.08 | 2.5 | 0.24 | 3.4 | 0.44 | 6.2 | 2.7 | 76 | 0.3 | 9.3 | 5.4 | 75 | 1.39 | 0.30 | | 2.26 | 34.481 | 25.3 | 8.25 | 6.52 | | |
| SSW28* | 4/24/92 | | 0.07 | 2.2 | 0.16 | 2.2 | 0.42 | 5.9 | 1.7 | 49 | 0.3 | 9.3 | 5.4 | 75 | 1.24 | 0.17 | | 2.26 | 34.452 | 25.2 | 8.26 | 6.60 | | |
| SSW28* | 5/1/92 | | 0.08 | 2.5 | 0.24 | 3.4 | 0.49 | 6.9 | 2.7 | 76 | 0.3 | 9.3 | 5.7 | 80 | 1.50 | 1.05 | | 2.26 | 34.497 | 25.5 | 8.25 | 6.84 | | |
| SSW28* | 5/7/92 | | 0.08 | 2.5 | 0.24 | 3.4 | 0.44 | 6.2 | 3.0 | 84 | 0.3 | 9.3 | 6.4 | 90 | 1.69 | 0.68 | | 2.25 | 34.527 | 25.5 | 8.26 | 6.81 | | |
| SSW28* | 5/15/92 | | 0.08 | 2.5 | 0.41 | 5.7 | 0.64 | 9.0 | 4.1 | 116 | 0.3 | 9.9 | 8.1 | 113 | 1.51 | 0.35 | | 2.26 | 34.514 | 25.6 | 8.23 | 6.71 | | |
| SSW28* | 5/21/92 | | 0.08 | 2.5 | 0.24 | 3.4 | 0.44 | 6.2 | 2.2 | 61 | 0.3 | 9.3 | 7.0 | 98 | 1.44 | 0.12 | | 2.26 | 34.563 | 26.4 | 8.23 | 6.73 | | |
| SSW28* | 5/29/92 | | 0.04 | 1.1 | 0.24 | 3.4 | 0.53 | 7.4 | 2.3 | 65 | 0.4 | 10.8 | 6.4 | 90 | 1.63 | 0.18 | | 2.26 | 34.585 | 25.5 | 8.26 | 6.81 | | |
| SSW28* | 6/4/92 | | 0.05 | 1.5 | 0.33 | 4.6 | 0.42 | 5.9 | 1.9 | 53 | 0.4 | 12.7 | 9.1 | 127 | 1.61 | 0.26 | | 2.26 | 34.625 | 26.2 | 8.24 | 6.81 | | |
| SSW28* | 6/9/92 | | 0.08 | 2.5 | 0.03 | 0.4 | 0.43 | 6.0 | 2.3 | 65 | 0.5 | 16.4 | 4.8 | 67 | 1.46 | 0.12 | | 2.26 | 34.585 | 26.0 | 8.25 | 6.87 | | |
| SSW28* | 6/19/92 | | 0.13 | 4.0 | 0.15 | 2.1 | 0.67 | 9.4 | 2.0 | 57 | 0.4 | 11.2 | 4.8 | 67 | 1.44 | 0.40 | | 2.28 | 34.555 | 26.6 | 8.25 | 6.70 | | |
| SSW28* | 6/25/92 | | 0.19 | 5.9 | 0.31 | 4.3 | 1.56 | 21.9 | 2.4 | 67 | 0.2 | 7.4 | 3.9 | 55 | 1.34 | 0.41 | | 2.29 | 34.656 | 26.2 | 8.25 | 6. | | |

NELHA Water Quality Laboratory

SSW 28"

Intake Depth: 21 m, Offshore Pipe Length: 163 m

| SITE ID | DATE MM/DD | TIME (2400) | PO ₄ ³⁻ (µM) | (µg P/L) | NO ₃ ⁻ & NO ₂ ⁻ (µM) | (µg N/L) | NH ₄ ⁺ & NH ₃ (µM) | (µg N/L) | Si (µM) | (µg Si/L) | TDP (µM) | (µg P/L) | TDN (µM) | (µg N/L) | TOC (mgC/L) | TSS (mg/L) | Turbidity (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL |
|---------|---------------|----------------|---------------------------------------|----------|---|----------|--|----------|------------|-----------|-------------|----------|-------------|----------|----------------|---------------|--------------------|----------------|-------------------|--------------|--------------|-------------|---------------------|---|
| SSW28* | 7/2/92 | | 0.20 | 6.2 | 0.39 | 5.5 | 0.66 | 9.3 | 2.9 | 80 | 0.3 | 9.6 | 7.0 | 98 | 1.20 | 0.29 | | 2.28 | 34.558 | 27.1 | 8.25 | 6.64 | | |
| SSW28* | 7/9/92 | | 0.23 | 7.2 | 0.27 | 3.7 | 0.57 | 8.0 | 1.4 | 40 | 0.2 | 7.5 | 4.3 | 60 | 1.16 | 0.12 | | 2.30 | 34.643 | 26.9 | 8.26 | 6.69 | | |
| SSW28* | 7/16/92 | | 0.13 | 4.1 | 0.27 | 3.7 | 0.48 | 6.7 | 1.3 | 36 | 0.4 | 11.1 | 5.3 | 74 | 1.10 | 0.20 | | 2.31 | 34.633 | 27.5 | 8.26 | 6.52 | | |
| SSW28* | 7/23/92 | | 0.13 | 4.1 | 0.27 | 3.7 | 0.44 | 6.1 | 1.3 | 36 | 0.4 | 11.6 | 4.3 | 60 | 1.11 | 0.06 | | 2.31 | 34.624 | 27.8 | 8.26 | 6.54 | | |
| SSW28* | 7/31/92 | | 0.08 | 2.5 | 0.20 | 2.9 | 0.25 | 3.5 | 1.5 | 42 | 0.4 | 12.1 | 4.7 | 66 | 1.15 | 0.04 | | 2.30 | 34.630 | 27.4 | 8.21 | 6.59 | | |
| SSW28* | 8/6/92 | | 0.08 | 2.5 | 0.38 | 5.3 | 0.25 | 3.5 | 2.2 | 61 | 0.3 | 9.9 | 4.3 | 60 | 1.11 | 0.23 | | 2.31 | 34.661 | 27.5 | 8.27 | 6.45 | | |
| SSW28* | 8/14/92 | | 0.08 | 2.5 | 0.27 | 3.8 | 0.25 | 3.5 | 1.5 | 42 | 0.3 | 9.6 | 4.0 | 55 | 1.27 | 0.18 | | 2.31 | 34.616 | 27.0 | 8.27 | 6.60 | | |
| SSW28* | 8/20/92 | | 0.08 | 2.5 | 0.34 | 4.8 | 0.23 | 3.2 | 2.7 | 76 | 0.3 | 9.6 | 4.1 | 57 | 1.34 | 0.47 | | 2.31 | 34.667 | 27.2 | 8.27 | 6.57 | | |
| SSW28* | 8/27/92 | | 0.08 | 2.5 | 0.31 | 4.3 | 0.25 | 3.5 | 2.0 | 56 | 0.3 | 9.0 | 4.4 | 61 | 1.21 | 0.16 | | 2.33 | 34.707 | 27.3 | 8.24 | 6.60 | | |
| SSW28* | 9/3/92 | | 0.08 | 2.5 | 0.24 | 3.3 | 0.25 | 3.5 | 3.6 | 100 | 0.3 | 9.6 | 5.2 | 73 | 1.45 | 0.25 | | 2.31 | 34.696 | 27.2 | 8.27 | 6.51 | | |
| SSW28* | 9/10/92 | | 0.08 | 2.5 | 0.24 | 3.3 | 0.30 | 4.2 | 1.8 | 50 | 0.4 | 12.1 | 5.9 | 82 | 1.17 | 0.26 | | 2.31 | 34.663 | 27.8 | 8.26 | 6.46 | | |
| SSW28* | 9/17/92 | | 0.13 | 4.0 | 0.33 | 4.6 | 0.49 | 6.9 | 3.2 | 90 | 0.4 | 13.0 | 6.3 | 89 | 1.25 | 0.14 | | 2.30 | 34.608 | 27.5 | 8.27 | 6.28 | | |
| SSW28* | 9/25/92 | | 0.20 | 6.2 | 0.25 | 3.5 | 0.44 | 6.2 | 3.0 | 85 | 0.4 | 13.0 | 7.5 | 105 | 1.36 | 0.22 | | 2.30 | 34.589 | 27.8 | 8.26 | 6.26 | | |
| SSW28* | 10/1/92 | | 0.17 | 5.3 | 0.18 | 2.5 | 0.46 | 6.4 | 1.7 | 48 | 0.4 | 12.7 | 5.9 | 82 | 1.38 | 0.18 | | 2.30 | 34.644 | 27.6 | 8.28 | 6.43 | | |
| SSW28* | 10/8/92 | | 0.17 | 5.3 | 0.22 | 3.1 | 0.44 | 6.2 | 2.1 | 58 | 0.4 | 12.7 | 7.5 | 105 | 1.02 | 0.03 | | 2.30 | 34.642 | 27.7 | 8.28 | 6.28 | | |
| SSW28* | 10/16/92 | | 0.17 | 5.3 | 0.18 | 2.5 | 0.51 | 7.1 | 2.4 | 67 | 0.4 | 12.7 | 7.2 | 101 | 0.96 | 0.30 | | 2.30 | 34.665 | 27.8 | 8.28 | 6.48 | | |
| SSW28* | 10/22/92 | | 0.15 | 4.6 | 1.46 | 20.4 | 0.82 | 11.5 | 1.5 | 42 | 0.4 | 13.6 | 6.5 | 91 | 1.12 | 0.51 | | 2.30 | 34.558 | 27.2 | 8.27 | 6.02 | | |
| SSW28* | 10/29/92 | | 0.08 | 2.5 | 0.13 | 1.8 | 0.53 | 7.4 | 1.7 | 49 | 0.4 | 11.8 | 4.6 | 64 | 1.08 | 0.21 | | 2.30 | 34.653 | 27.8 | 8.26 | 6.53 | | |
| SSW28* | 11/5/92 | | 0.10 | 3.1 | 0.25 | 3.5 | 0.55 | 7.7 | 1.8 | 51 | 0.4 | 11.8 | 5.2 | 73 | 1.11 | 0.18 | | 2.30 | 34.682 | 26.9 | 8.29 | 6.55 | | |
| SSW28* | 11/12/92 | | 0.10 | 3.1 | 0.23 | 3.2 | 0.50 | 7.0 | 2.2 | 61 | 0.5 | 15.2 | 4.4 | 62 | 1.06 | 0.15 | | 2.31 | 34.680 | 27.2 | 8.28 | 6.55 | | |
| SSW28* | 11/19/92 | | 0.13 | 4.0 | 0.24 | 3.4 | 0.65 | 9.1 | 3.2 | 90 | 0.3 | 9.9 | 4.2 | 59 | 1.21 | 0.19 | | 2.31 | 34.701 | 26.8 | 8.26 | 6.50 | | |
| SSW28* | 11/25/92 | | 0.14 | 4.3 | 0.25 | 3.5 | 0.67 | 9.4 | 3.1 | 87 | 0.4 | 11.5 | 4.9 | 69 | 1.23 | 0.10 | | 2.31 | 34.725 | 26.1 | 8.27 | 6.56 | | |
| SSW28* | 12/3/92 | | 0.10 | 3.1 | 0.23 | 3.2 | 0.44 | 6.2 | 2.3 | 63 | 0.4 | 11.8 | 5.0 | 69 | 1.12 | 0.03 | | 2.30 | 34.689 | 26.7 | 8.26 | 6.09 | | |
| SSW28* | 12/10/92 | | 0.09 | 2.8 | 0.22 | 3.1 | 0.41 | 5.7 | 2.7 | 76 | 0.3 | 10.5 | 5.3 | 74 | 1.07 | 0.74 | | 2.30 | 34.726 | 26.5 | 8.28 | 6.82 | | |
| SSW28* | 12/17/92 | | 0.10 | 3.1 | 0.22 | 3.1 | 0.47 | 6.6 | 2.5 | 71 | 0.4 | 11.5 | 5.5 | 77 | 1.09 | 0.26 | | 2.30 | 34.691 | 26.2 | 8.26 | 6.72 | | |
| SSW28* | 12/23/92 | | 0.09 | 2.8 | 0.24 | 3.4 | 0.50 | 7.0 | 2.8 | 79 | 0.4 | 12.1 | 5.2 | 72 | 1.22 | 0.22 | | 2.30 | 34.708 | 25.9 | 8.29 | 6.69 | | |
| SSW28* | 12/30/92 | | 0.11 | 3.4 | 0.14 | 2.0 | 0.69 | 9.7 | | | 0.5 | 16.1 | 5.3 | 74 | 1.21 | 0.15 | | 2.30 | 34.729 | 25.7 | 8.29 | 6.75 | | |
| SSW28* | 1/7/93 | | 0.12 | 3.7 | 0.23 | 3.2 | 0.43 | 6.0 | 3.9 | 108 | 0.3 | 9.9 | 4.5 | 62 | 1.11 | 0.12 | | 2.30 | 34.685 | 25.1 | 8.29 | 6.95 | | |
| SSW28* | 1/14/93 | | 0.08 | 2.5 | 0.19 | 2.7 | 0.41 | 5.7 | 2.4 | 68 | 0.3 | 8.1 | 4.7 | 66 | 1.11 | 0.20 | | 2.31 | 34.744 | 24.6 | 8.26 | 7.10 | | |
| SSW28* | 1/21/93 | | 0.08 | 2.5 | 0.19 | 2.7 | 0.53 | 7.4 | 1.9 | 54 | 0.3 | 8.1 | 4.2 | 59 | 1.19 | 0.24 | | 2.30 | 34.749 | 24.9 | 8.28 | 6.92 | | |
| SSW28* | 1/28/93 | | 0.06 | 1.9 | 0.12 | 1.7 | 0.43 | 6.0 | 2.8 | 78 | 0.2 | 6.2 | 4.4 | 61 | 1.14 | 0.34 | | 2.31 | 34.764 | 24.6 | 8.29 | 7.04 | | |
| SSW28* | 2/3/93 | | 0.08 | 2.5 | 0.17 | 2.4 | 0.33 | 4.6 | 1.7 | 46 | 0.2 | 6.2 | 4.3 | 60 | 1.02 | 0.17 | | 2.31 | 34.738 | 24.7 | 8.28 | 7.09 | | |
| SSW28* | 2/11/93 | | 0.11 | 3.4 | 0.23 | 3.2 | 0.21 | 2.9 | 2.6 | 74 | 0.3 | 7.7 | 4.9 | 68 | 0.97 | 0.24 | | 2.31 | 34.735 | 24.3 | 8.28 | 6.94 | | |
| SSW28* | 2/16/93 | | 0.15 | 4.6 | 0.27 | 3.8 | 0.37 | 5.2 | 2.8 | 79 | 0.2 | 6.2 | 4.0 | 55 | 1.07 | 0.18 | | 2.31 | 34.766 | 24.3 | 8.30 | 7.02 | | |
| SSW28* | 2/25/93 | | 0.08 | 2.5 | 0.23 | 3.2 | 0.11 | 1.5 | 3.6 | 102 | 0.2 | 6.2 | 5.4 | 76 | 1.17 | 0.46 | | 2.31 | 34.725 | 24.2 | 8.29 | 7.12 | | |
| SSW28* | 3/3/93 | | 0.06 | 2.5 | 0.30 | 4.2 | 0.18 | 2.5 | 3.0 | 85 | 0.2 | 5.6 | 3.9 | 55 | 1.28 | 1.12 | | 2.31 | 34.738 | 24.1 | 8.28 | 7.03 | | |
| SSW28* | 3/11/93 | | 0.12 | 3.7 | 0.12 | 1.7 | 0.28 | 3.9 | 2.5 | 70 | 0.2 | 6.8 | 4.7 | 66 | 1.07 | 0.47 | | 2.31 | 34.761 | 24.3 | 8.29 | 6.81 | | |
| SSW28* | 3/18/93 | | 0.15 | 4.6 | 0.22 | 3.1 | 0.43 | 6.0 | 3.2 | 89 | 0.2 | 4.6 | 4.4 | 61 | 1.03 | 0.04 | | 2.32 | 34.779 | 24.4 | 8.29 | 7.28 | | |
| SSW28* | 3/24/93 | | 0.14 | 4.3 | 0.11 | 1.5 | 0.35 | 4.9 | 2.3 | 64 | 0.2 | 7.1 | 5.3 | 75 | 1.04 | 0.08 | | 2.32 | 34.764 | 25.1 | 8.28 | 6.97 | | |
| SSW28* | 4/1/93 | | 0.09 | 2.8 | 0.13 | 1.8 | 0.16 | 2.2 | 2.0 | 55 | 0.2 | 7.1 | 5.2 | 72 | 1.03 | 0.07 | | 2.30 | 34.605 | 24.5 | 8.28 | 6.73 | | |
| SSW28* | 4/7/93 | | 0.12 | 3.7 | 0.15 | 2.1 | 0.12 | 1.7 | 1.9 | 54 | 0.3 | 9.0 | 4.8 | 67 | 1.03 | 0.59 | | 2.30 | 34.555 | 24.9 | 8.31 | 7.45 | | |
| SSW28* | 4/15/93 | | 0.09 | 2.8 | 0.10 | 1.4 | 0.14 | 2.0 | 1.8 | 50 | 0.3 | 8.4 | 4.0 | 56 | 1.00 | 0.17 | | 2.31 | 34.698 | 25.0 | 8.29 | 6.94 | | |
| SSW28* | 4/22/93 | | 0.11 | 3.4 | 0.09 | 1.3 | 0.16 | 2.2 | 2.8 | 78 | 0.3 | 9.0 | 4.3 | 60 | 1.00 | 0.26 | | 2.30 | 34.598 | 25.1 | 8.28 | 6.94 | | |
| SSW28* | 4/29/93 | | 0.11 | 3.4 | 0.10 | 1.4 | 0.20 | 2.8 | 2.9 | 82 | 0.3 | 8.4 | 3.8 | 54 | 1.12 | 0.01 | | 2.30 | 34.440 | 25.6 | 8.27 | 6.80 | | |
| SSW28* | 5/6/93 | | 0.10 | 3.1 | 0.09 | 1.3 | 0.28 | 3.9 | 2.4 | 68 | 0.3 | 9.0 | 4.5 | 64 | 1.07 | 0.12 | | 2.31 | 34.661 | 25.3 | 8.29 | 6.93 | | |
| SSW28* | 5/13/93 | | 0.13 | 4.0 | 0.19 | 2.7 | 0.28 | 3.9 | 4.8 | 133 | 0.3 | 8.1 | 5.0 | 70 | 0.94 | 0.30 | | 2.30 | 34.559 | 25.4 | 8.26 | 6.82 | | |
| SSW28* | 5/18/93 | | 0.16 | 5.0 | 0.15 | 2.1 | 0.28 | 3.9 | 2.6 | 74 | 0.3 | 10.5 | 4.1 | 57 | 0.93 | 0.18 | | 2.29 | 34.396 | 25.4 | 8.28 | 6.80 | | |
| SSW28* | 5/27/93 | | 0.14 | 4.3 | 0.12 | 1.7 | 0.25 | 3.5 | 2.4 | 67 | 0.4 | 11.2 | 4.3 | 60 | 0.98 | 0.22 | | 2.30 | 34.448 | 25.6 | 8.27 | 7.12 | | |
| SSW28* | 6/1/93 | | 0.11 | 3.4 | 0.10 | 1.4 | 0.29 | 4.1 | 2.3 | 64 | 0.2 | 6.8 | 5.2 | 73 | 1.00 | 0.24 | | 2.30 | 34.481 | 25.6 | 8.28 | 6.87 | | |
| SSW28* | 6/8/93 | | 0.10 | 3.1 | 0.23 | 3.2 | 0.38 | 5.3 | 4.0 | 113 | 0.3 | 8.1 | 4.6 | 64 | 0.98 | 0.28 | | 2.30 | 34.540 | 26.4 | 8.27 | 6.71 | | |
| SSW28* | 6/16/93 | | 0.10 | 3.1 | 0.12 | 1.7 | 0.31 | 4.3 | 2.1 | 58 | 0.3 | 8.4 | 3.6 | 51 | 1.00 | 0.19</ | | | | | | | | |

NELHA Water Quality Laboratory

SSW 28"

Intake Depth: 21 m, Offshore Pipe Length: 163 m

| SITE ID | DATE MD/Y | TIME (2400) | PO ₄ ³⁻ (µM) | (µg P/L) | NO ₃ ⁻ & NO ₂ ⁻ (µM) | (µg N/L) | NH ₄ ⁺ & NH ₃ (µM) | (µg N/L) | Si (µM) | (µg Si/L) | TDP (µM) | (µg P/L) | TDN (µM) | (µg N/L) | TOC (mgC/L) | TSS (mg/L) | Turbidity (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL |
|---------|--------------|----------------|---------------------------------------|----------|---|----------|--|----------|------------|-----------|-------------|----------|-------------|----------|----------------|---------------|--------------------|----------------|-------------------|--------------|--------------|-------------|---------------------|---|
| SSW28* | 7/6/93 | | 0.13 | 4.0 | 0.46 | 6.4 | 0.36 | 5.0 | 2.5 | 70 | 0.3 | 8.7 | 6.0 | 83 | 0.95 | 0.19 | | 2.31 | 34.495 | 26.5 | 8.27 | 6.64 | | |
| SSW28* | 7/12/93 | | 0.12 | 3.7 | 0.19 | 2.7 | 0.48 | 6.7 | 2.1 | 59 | 0.3 | 8.1 | 4.7 | 66 | 1.01 | 0.19 | | 2.31 | 34.643 | 26.1 | 8.28 | 6.70 | | |
| SSW28* | 7/19/93 | | 0.09 | 2.8 | 0.22 | 3.1 | 0.30 | 4.2 | 2.4 | 68 | 0.3 | 8.7 | 4.6 | 64 | 1.05 | 0.23 | | 2.31 | 34.603 | 26.8 | 8.28 | 6.68 | | |
| SSW28* | 7/30/93 | | 0.12 | 3.7 | 0.12 | 1.7 | 0.41 | 5.7 | 2.2 | 62 | 0.3 | 10.5 | 1.7 | 24 | 0.95 | 0.22 | | 2.32 | 34.595 | 26.3 | 8.28 | 7.08 | | |
| SSW28* | 8/4/93 | | 0.06 | 1.9 | 0.17 | 2.4 | 0.28 | 3.9 | 2.9 | 81 | 0.2 | 6.5 | 3.9 | 54 | 1.06 | 1.28 | | 2.32 | 34.619 | 26.1 | 8.25 | 6.55 | | |
| SSW28* | 8/10/93 | | 0.09 | 2.8 | 0.17 | 2.4 | 0.25 | 3.5 | 2.6 | 73 | 0.3 | 8.7 | 3.9 | 55 | 1.04 | 0.47 | | 2.32 | 34.571 | 26.7 | 8.26 | 7.00 | | |
| SSW28* | 8/18/93 | | 0.12 | 3.7 | 0.23 | 3.2 | 0.44 | 6.2 | 2.2 | 62 | 0.3 | 10.2 | 3.8 | 53 | 1.05 | 0.21 | | 2.31 | 34.565 | 26.7 | 8.26 | 6.81 | | |
| SSW28* | 8/25/93 | | 0.08 | 2.5 | 0.16 | 2.2 | 0.27 | 3.8 | 2.8 | 79 | 0.3 | 8.4 | 4.8 | 67 | 1.08 | 0.17 | | 2.32 | 34.574 | 27.4 | 8.27 | 6.51 | | |
| SSW28* | 9/2/93 | | 0.12 | 3.7 | 0.16 | 2.2 | 0.41 | 5.7 | 1.9 | 53 | 0.3 | 9.3 | 5.2 | 72 | 1.09 | 0.08 | | 2.32 | 34.555 | 27.5 | 8.26 | 6.47 | | |
| SSW28* | 9/9/93 | | 0.11 | 3.4 | 0.24 | 3.4 | 0.34 | 4.8 | 3.1 | 87 | 0.3 | 9.6 | 5.4 | 76 | 1.07 | 0.01 | | 2.32 | 34.546 | 27.5 | 8.26 | 6.48 | | |
| SSW28* | 9/14/93 | | 0.14 | 4.3 | 0.20 | 2.8 | 0.25 | 3.5 | 2.9 | 82 | 0.3 | 9.9 | 5.4 | 75 | 1.08 | 0.07 | | 2.32 | 34.636 | 27.1 | 8.26 | 6.43 | | |
| SSW28* | 9/21/93 | | 0.07 | 2.2 | 0.27 | 3.8 | 0.30 | 4.2 | 3.0 | 85 | 0.3 | 8.7 | 4.8 | 67 | 1.07 | 0.05 | | 2.32 | 34.634 | 27.1 | 8.25 | 6.38 | | |
| SSW28* | 9/28/93 | | 0.07 | 2.2 | 0.27 | 3.8 | 0.26 | 3.6 | 2.2 | 62 | 0.2 | 6.8 | 5.1 | 71 | 1.06 | 0.15 | | 2.33 | 34.725 | 27.0 | 8.26 | 6.39 | | |
| SSW28* | 10/7/93 | | 0.08 | 2.5 | 0.29 | 4.1 | 0.33 | 4.6 | 2.7 | 76 | 0.2 | 7.1 | 6.5 | 90 | 1.15 | 0.14 | | 2.27 | 34.691 | 27.4 | 8.26 | 6.32 | | |
| SSW28* | 10/12/93 | | 0.12 | 3.7 | 0.20 | 2.8 | 0.35 | 4.9 | 2.7 | 76 | 0.3 | 9.0 | 6.1 | 85 | 1.09 | 0.24 | | 2.27 | 34.624 | 27.8 | 8.28 | 6.27 | | |
| SSW28* | 10/19/93 | | 0.11 | 3.4 | 0.16 | 2.2 | 0.24 | 3.4 | 2.4 | 67 | 0.2 | 7.1 | 5.6 | 79 | 1.21 | 0.06 | | 2.27 | 34.657 | 26.7 | 8.28 | 6.40 | | |
| SSW28* | 10/28/93 | | 0.08 | 2.5 | 0.14 | 2.0 | 0.40 | 5.6 | 1.5 | 43 | 0.3 | 8.4 | 5.1 | 71 | 1.21 | 0.00 | | 2.28 | 34.750 | 26.1 | 8.28 | 6.30 | | |
| SSW28* | 11/2/93 | | 0.12 | 3.7 | 0.10 | 1.4 | 0.24 | 3.4 | 4.4 | 122 | 0.3 | 8.1 | 5.1 | 71 | 1.21 | 0.14 | | 2.28 | 34.699 | 27.0 | 8.27 | 6.37 | | |
| SSW28* | 11/9/93 | | 0.08 | 2.5 | 0.10 | 1.4 | 0.41 | 5.7 | 1.9 | 53 | 0.3 | 8.1 | 5.5 | 77 | 1.14 | 0.38 | | 2.28 | 34.751 | 26.5 | 8.28 | 6.34 | | |
| SSW28* | 11/16/93 | | 0.10 | 3.1 | 0.15 | 2.1 | 0.21 | 2.9 | 2.2 | 62 | 0.3 | 7.7 | 5.2 | 73 | 1.12 | 0.18 | | 2.28 | 34.756 | 26.1 | 8.29 | 6.43 | | |
| SSW28* | 11/23/93 | | 0.08 | 2.5 | 0.10 | 1.4 | 0.18 | 2.5 | 1.9 | 53 | 0.3 | 8.7 | 5.0 | 70 | 1.18 | 0.01 | | 2.28 | 34.765 | 26.2 | 8.28 | 6.36 | | |
| SSW28* | 12/1/93 | | 0.13 | 4.0 | 0.20 | 2.8 | 0.25 | 3.5 | 2.4 | 68 | 0.3 | 7.7 | 5.4 | 76 | 1.02 | 0.10 | | 2.28 | 34.798 | 25.5 | 8.28 | 6.40 | | |
| SSW28* | 12/9/93 | | 0.10 | 3.1 | 0.24 | 3.4 | 0.10 | 1.4 | 2.7 | 77 | 0.3 | 7.7 | 5.4 | 76 | 1.12 | 0.07 | | 2.28 | 34.800 | 23.7 | 8.27 | 6.43 | | |
| SSW28* | 12/14/93 | | 0.11 | 3.4 | 0.24 | 3.4 | 0.03 | 0.4 | 1.9 | 54 | 0.3 | 9.0 | 5.2 | 73 | 1.15 | 0.00 | | 2.28 | 34.833 | 24.3 | 8.29 | 6.47 | | |
| SSW28* | 12/20/93 | | 0.11 | 3.4 | 0.29 | 4.1 | 0.26 | 3.6 | 2.1 | 60 | 0.3 | 8.7 | 6.0 | 83 | 1.20 | 0.01 | | 2.28 | 34.857 | 24.9 | 8.26 | 6.54 | | |
| SSW28* | 12/28/93 | | 0.09 | 2.8 | 0.30 | 4.2 | 0.52 | 7.3 | 2.3 | 63 | 0.3 | 8.7 | 6.1 | 86 | 1.26 | 0.13 | | 2.29 | 34.948 | 23.3 | 8.28 | 6.80 | | |
| SSW28* | 1/6/94 | | 0.14 | 4.3 | 0.44 | 6.2 | 0.46 | 6.4 | 2.3 | 65 | 0.4 | 11.2 | 5.8 | 81 | 1.02 | 0.26 | | 2.33 | 34.949 | 23.4 | 8.28 | 6.42 | | |
| SSW28* | 1/12/94 | | 0.12 | 3.7 | 0.29 | 4.1 | 0.33 | 4.6 | 2.9 | 83 | 0.3 | 9.9 | 6.8 | 95 | 1.47 | 0.04 | | 2.33 | 34.926 | 24.6 | 8.29 | 6.58 | | |
| SSW28* | 1/18/94 | | 0.11 | 3.4 | 0.21 | 2.9 | 0.08 | 1.1 | 2.9 | 80 | 0.3 | 9.9 | 5.7 | 80 | 0.99 | 0.01 | | 2.33 | 34.911 | 24.3 | 8.28 | 6.64 | | |
| SSW28* | 1/26/94 | | 0.16 | 5.0 | 0.32 | 4.5 | 0.37 | 5.2 | 2.4 | 67 | 0.3 | 9.9 | 5.6 | 78 | 0.97 | 0.17 | | 2.33 | 34.855 | 23.9 | 8.27 | 6.54 | | |
| SSW28* | 2/2/94 | | 0.15 | 4.6 | 0.36 | 5.0 | 0.30 | 4.2 | 2.6 | 73 | 0.3 | 10.5 | 6.6 | 92 | 0.91 | 0.04 | | 2.31 | 34.461 | 23.3 | 8.30 | 6.66 | | |
| SSW28* | 2/9/94 | | 0.21 | 6.5 | 0.29 | 4.1 | 0.28 | 3.9 | 2.2 | 62 | 0.4 | 11.2 | 6.4 | 90 | 0.92 | 0.05 | | 2.29 | 34.264 | 23.2 | 8.30 | 6.64 | | |
| SSW28* | 2/15/94 | | 0.21 | 6.5 | 0.25 | 3.5 | 0.33 | 4.6 | 1.6 | 45 | 0.4 | 11.2 | 6.3 | 88 | 0.88 | 0.03 | | 2.27 | 33.835 | 23.9 | 8.28 | 6.66 | | |
| SSW28* | 2/24/94 | | 0.15 | 4.6 | 0.31 | 4.3 | 0.23 | 3.2 | 3.3 | 92 | 0.3 | 8.7 | 5.7 | 80 | 0.91 | 0.06 | | 2.30 | 34.355 | 23.9 | 8.29 | 6.70 | | |
| SSW28* | 3/2/94 | | 0.20 | 6.2 | 0.28 | 3.9 | 0.15 | 2.1 | 0.2 | 4 | 0.3 | 9.9 | 6.4 | 90 | 0.93 | 0.02 | | 2.30 | 34.366 | 23.1 | 8.28 | 6.70 | | |
| SSW28* | 3/9/94 | | 0.27 | 8.4 | 0.38 | 5.3 | 0.26 | 3.6 | 0.3 | 7 | 0.3 | 10.2 | 7.1 | 99 | 0.96 | 0.10 | | 2.29 | 34.251 | 26.5 | 8.23 | 7.14 | | |
| SSW28* | 3/17/94 | | 0.21 | 6.5 | 0.37 | 5.2 | 0.18 | 2.5 | 0.2 | 5 | 0.4 | 12.1 | 5.7 | 79 | 0.89 | 0.04 | | 2.30 | 34.408 | 23.0 | 8.26 | 6.66 | | |
| SSW28* | 3/22/94 | | 0.15 | 4.6 | 0.29 | 4.1 | 0.12 | 1.7 | 0.1 | 3 | 0.3 | 9.3 | 6.4 | 90 | 0.92 | 0.04 | | 2.30 | 34.430 | 23.2 | 8.28 | 6.58 | | |
| SSW28* | 3/29/94 | | 0.17 | 5.3 | 0.13 | 1.8 | 0.07 | 1.0 | 4.7 | 133 | 0.3 | 9.9 | 6.3 | 88 | 0.93 | 0.03 | | 2.30 | 34.435 | 24.3 | 8.24 | 6.66 | | |
| SSW28* | 4/5/94 | | 0.15 | 4.6 | 0.31 | 4.3 | 0.17 | 2.4 | 3.4 | 96 | 0.4 | 11.2 | 6.4 | 90 | 0.83 | 0.05 | | 2.30 | 34.373 | 25.1 | 8.26 | 6.84 | | |
| SSW28* | 4/14/94 | | 0.20 | 6.2 | 0.17 | 2.4 | 0.17 | 2.4 | 10.2 | 286 | 0.4 | 11.5 | 5.8 | 81 | 1.04 | 0.01 | | 2.29 | 34.425 | 24.6 | 8.28 | 6.75 | | |
| SSW28* | 5/12/94 | | 0.16 | 5.0 | 0.30 | 4.2 | 0.10 | 1.4 | 2.6 | 74 | 0.3 | 10.2 | 5.7 | 80 | 1.01 | 0.05 | | 2.30 | 34.569 | 26.3 | 8.30 | 6.66 | | |
| SSW28* | 5/17/94 | | 0.14 | 4.3 | 0.21 | 2.9 | 0.19 | 2.7 | 2.3 | 65 | 0.4 | 10.8 | 6.1 | 86 | 0.98 | 0.03 | | 2.30 | 34.530 | 26.1 | 8.27 | 6.50 | | |
| SSW28* | 5/25/94 | | 0.19 | 5.9 | 0.24 | 3.4 | 0.19 | 2.7 | 3.1 | 86 | 0.4 | 11.8 | 6.4 | 90 | 1.09 | 0.24 | | 2.31 | 34.596 | 25.4 | 8.27 | 6.51 | | |
| SSW28* | 6/1/94 | | 0.17 | 5.3 | 0.42 | 5.9 | 0.15 | 2.1 | 2.1 | 60 | 0.3 | 9.0 | 6.6 | 92 | 0.97 | 0.13 | | 2.31 | 34.590 | 25.2 | 8.25 | 6.49 | | |
| SSW28* | 6/7/94 | | 0.17 | 5.3 | 0.53 | 7.4 | 0.18 | 2.5 | 3.3 | 92 | 0.4 | 11.2 | 6.5 | 92 | 0.92 | 0.10 | | 2.32 | 34.588 | 25.7 | 8.25 | 6.38 | | |
| SSW28* | 6/16/94 | | 0.16 | 5.0 | 0.37 | 5.2 | 0.09 | 1.3 | 2.8 | 77 | 0.3 | 9.9 | 6.5 | 91 | 1.09 | 0.23 | | 2.32 | 34.559 | 25.8 | 8.26 | 6.43 | | |
| SSW28* | 6/23/94 | | 0.25 | 7.7 | 0.26 | 3.6 | 0.22 | 3.1 | 3.2 | 89 | 0.3 | 10.2 | 5.8 | 82 | 1.28 | 0.01 | | 2.32 | 34.580 | 26.4 | 8.25 | 6.44 | | |
| SSW28* | 6/29/94 | | 0.15 | 4.6 | 0.25 | 3.5 | 0.31 | 4.3 | 2.4 | 68 | 0.3 | 9.3 | 6.4 | 89 | 0.98 | 0.01 | | 2.32 | 34.645 | 25.9 | 8.24 | 6.40 | | |

NELHA Water Quality Laboratory

SSW 28"

Intake Depth: 21 m, Offshore Pipe Length: 163 m

| SITE ID | DATE MD/Y | TIME (2400) | PO ₄ ³⁻ (µM) | (µg P/L) | NO ₃ ⁻ & NO ₂ ⁻ (µM) | (µg N/L) | NH ₄ ⁺ & NH ₃ (µM) | (µg N/L) | Si (µM) | (µg Si/L) | TDP (µg P/L) | (µM) | TDN (µg N/L) | (µM) | TOC (mgC/L) | TSS (mg/L) | Turbidity (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL |
|---------|--------------|----------------|---------------------------------------|----------|---|----------|--|----------|------------|-----------|-----------------|------|-----------------|------|----------------|---------------|--------------------|----------------|-------------------|--------------|--------------|-------------|---------------------|---|
| SSW28* | 7/5/94 | | 0.16 | 5.0 | 0.47 | 6.6 | 0.20 | 2.8 | 3.3 | 93 | 0.3 | 9.9 | 6.2 | 87 | 1.13 | 0.01 | | 2.32 | 34.669 | 26.2 | 8.24 | 6.51 | | |
| SSW28* | 7/12/94 | | 0.12 | 3.7 | 0.43 | 6.0 | 0.39 | 5.5 | 2.9 | 81 | 0.4 | 12.4 | 4.9 | 69 | 1.11 | 0.07 | | 2.32 | 34.689 | 26.4 | 8.24 | 6.49 | | |
| SSW28* | 7/19/94 | | 0.10 | 3.1 | 0.31 | 4.3 | 0.27 | 3.8 | 1.0 | 28 | 0.3 | 9.0 | 6.0 | 84 | 1.09 | 0.01 | | 2.31 | 34.563 | 27.1 | 8.27 | 6.52 | | |
| SSW28* | 7/27/94 | | 0.17 | 5.3 | 0.27 | 3.8 | 0.53 | 7.4 | 9.0 | 251 | 0.4 | 13.0 | 7.0 | 98 | 1.12 | 0.20 | | 2.31 | 34.542 | 26.3 | 8.24 | 6.33 | | |
| SSW28* | 8/1/94 | | 0.16 | 5.0 | 0.66 | 9.2 | 0.05 | 0.7 | 2.7 | 75 | 0.3 | 9.9 | 6.6 | 92 | 1.05 | 0.13 | | 2.31 | 34.496 | 25.4 | 8.25 | 6.37 | | |
| SSW28* | 8/10/94 | | 0.17 | 5.3 | 0.37 | 5.2 | 0.45 | 6.3 | 2.4 | 66 | 0.4 | 10.8 | 6.6 | 92 | 1.10 | 0.17 | | 2.31 | 34.554 | 27.0 | 8.26 | 6.32 | | |
| SSW28* | 8/16/94 | | 0.16 | 5.0 | 0.44 | 6.2 | 0.14 | 2.0 | 3.0 | 85 | 0.3 | 10.2 | 6.4 | 89 | 1.04 | 0.14 | | 2.31 | 34.507 | 27.1 | 8.26 | 6.23 | | |
| SSW28* | 8/25/94 | | 0.16 | 5.0 | 0.29 | 4.1 | 0.08 | 1.1 | 2.2 | 62 | 0.3 | 10.2 | 6.0 | 85 | 1.06 | 0.12 | | 2.31 | 34.528 | 26.5 | 8.26 | 6.33 | | |
| SSW28* | 8/30/94 | | 0.17 | 5.3 | 0.26 | 3.6 | 0.09 | 1.3 | 1.8 | 50 | 0.3 | 9.3 | 5.2 | 72 | 1.02 | 0.00 | | 2.31 | 34.511 | 27.2 | 8.26 | 6.27 | | |
| SSW28* | 9/7/94 | | 0.17 | 5.3 | 0.25 | 3.5 | 0.25 | 3.5 | 2.5 | 69 | 0.4 | 11.5 | 5.3 | 74 | 1.05 | 0.04 | | 2.32 | 34.629 | 27.6 | 8.27 | 6.24 | | |
| SSW28* | 9/12/94 | | 0.12 | 3.7 | 0.44 | 6.2 | 0.25 | 3.5 | 1.7 | 49 | 0.3 | 9.3 | 6.0 | 83 | 1.04 | 0.01 | | 2.32 | 34.694 | 27.3 | 8.26 | 6.16 | | |
| SSW28* | 9/20/94 | | 0.13 | 4.0 | 0.35 | 4.9 | 0.14 | 2.0 | 4.8 | 134 | 0.3 | 8.7 | 5.8 | 82 | 1.04 | 0.63 | | 2.32 | 34.660 | 26.8 | 8.28 | 6.16 | | |
| SSW28* | 9/26/94 | | 0.14 | 4.3 | 0.45 | 6.3 | 0.11 | 1.5 | 3.1 | 88 | 0.3 | 10.5 | 6.2 | 87 | 0.85 | 0.38 | | 2.31 | 34.568 | 26.9 | 8.26 | 6.17 | | |
| SSW28* | 10/3/94 | | 0.13 | 4.0 | 0.36 | 5.0 | 0.19 | 2.7 | 2.4 | 69 | 0.3 | 9.6 | 4.9 | 68 | 0.97 | 0.07 | | 2.31 | 34.634 | 27.7 | 8.27 | 6.17 | | |
| SSW28* | 10/11/94 | | 0.15 | 4.6 | 0.43 | 6.0 | 0.09 | 1.3 | 2.0 | 56 | 0.3 | 10.2 | 4.1 | 58 | 0.77 | 0.06 | | 2.32 | 34.597 | 26.2 | 8.26 | 6.15 | | |
| SSW28* | 10/20/94 | | 0.14 | 4.3 | 0.46 | 6.4 | 0.09 | 1.3 | 1.7 | 48 | 0.3 | 9.9 | 4.6 | 64 | 0.83 | 0.02 | | 2.32 | 34.669 | 25.8 | 8.27 | 6.30 | | |
| SSW28* | 10/27/94 | | 0.21 | 6.5 | 0.55 | 7.7 | 0.92 | 12.9 | 5.6 | 158 | 0.4 | 13.0 | 5.5 | 77 | 0.93 | 0.01 | | 2.33 | 34.772 | 25.4 | 8.24 | 6.27 | | |
| SSW28* | 11/3/94 | | 0.17 | 5.3 | 0.55 | 7.7 | 0.59 | 8.3 | 2.3 | 65 | 0.4 | 10.8 | 6.4 | 90 | 0.93 | 0.00 | | 2.32 | 34.709 | 25.6 | 8.26 | 6.16 | | |
| SSW28* | 11/9/94 | | 0.17 | 5.3 | 0.70 | 9.8 | 0.66 | 9.2 | 2.9 | 81 | 0.3 | 10.2 | 5.2 | 73 | 0.91 | 0.02 | | 2.32 | 34.776 | 25.1 | 8.28 | 6.14 | | |
| SSW28* | 11/17/94 | | 0.19 | 5.9 | 0.33 | 4.6 | 0.62 | 8.7 | 3.1 | 87 | 0.4 | 11.2 | 5.9 | 83 | 0.92 | 0.22 | | 2.31 | 34.618 | 25.7 | 8.25 | 6.21 | | |
| SSW28* | 11/23/94 | | 0.17 | 5.3 | 0.52 | 7.3 | 0.68 | 9.5 | 1.8 | 50 | 0.4 | 11.5 | 6.6 | 92 | 0.98 | 0.04 | | 2.32 | 34.661 | 24.3 | 8.28 | 6.46 | | |
| SSW28* | 11/29/94 | | 0.21 | 6.5 | 0.41 | 5.7 | 0.68 | 9.5 | 2.0 | 55 | 0.4 | 11.5 | 5.7 | 79 | 0.94 | 0.17 | | 2.29 | 34.448 | 24.4 | 8.28 | 6.71 | | |
| SSW28* | 12/7/94 | | 0.19 | 5.9 | 0.39 | 5.5 | 0.68 | 9.5 | 2.0 | 56 | 0.4 | 12.1 | 4.8 | 68 | 0.90 | 0.01 | | 2.28 | 34.249 | 24.1 | 8.25 | 6.80 | | |
| SSW28* | 12/12/94 | | 0.20 | 6.2 | 0.50 | 7.0 | 0.22 | 3.1 | 3.3 | 94 | 0.4 | 12.1 | 5.8 | 81 | 0.91 | 0.08 | | 2.29 | 34.331 | 24.4 | 8.27 | 6.77 | | |
| SSW28* | 12/20/94 | | 0.20 | 6.2 | 0.37 | 5.2 | 0.16 | 2.2 | 2.6 | 72 | 0.4 | 10.8 | 5.5 | 77 | 0.93 | 0.02 | | 2.31 | 34.610 | 23.9 | 8.29 | 6.59 | | |
| SSW28* | 12/27/94 | | 0.11 | 3.4 | 0.36 | 5.0 | 0.13 | 1.8 | 2.3 | 65 | 0.3 | 9.6 | 5.4 | 75 | 0.91 | 0.02 | | 2.32 | 34.704 | 23.9 | 8.29 | 6.50 | | |
| SSW28* | 1/3/95 | | 0.18 | 5.6 | 0.31 | 4.3 | 0.12 | 1.7 | 1.8 | 51 | 0.4 | 10.8 | 4.9 | 69 | 0.92 | 0.00 | | 2.25 | 34.422 | 23.0 | 8.29 | 6.42 | | |
| SSW28* | 1/10/95 | | 0.17 | 5.3 | 0.37 | 5.2 | 0.15 | 2.1 | 2.0 | 56 | 0.4 | 11.5 | 4.8 | 67 | 0.90 | 0.28 | | 2.25 | 34.493 | 22.6 | 8.28 | 6.73 | | |
| SSW28* | 1/19/95 | | 0.19 | 5.9 | 0.43 | 6.0 | 0.30 | 4.2 | 3.2 | 90 | 0.4 | 11.8 | 4.8 | 67 | 0.90 | 0.54 | | 2.24 | 34.309 | 22.2 | 8.28 | 7.00 | | |
| SSW28* | 1/26/95 | | 0.24 | 7.4 | 0.44 | 6.2 | 0.04 | 0.6 | 1.9 | 53 | 0.4 | 13.6 | 5.1 | 71 | 0.95 | 0.01 | | 2.26 | 34.392 | 23.6 | 8.26 | 6.78 | | |
| SSW28* | 1/31/95 | | 0.19 | 5.9 | 0.64 | 9.0 | 0.26 | 3.6 | 2.9 | 81 | 0.4 | 11.8 | 5.9 | 83 | 0.93 | 0.02 | | 2.25 | 34.444 | 23.9 | 8.25 | 6.91 | | |
| SSW28* | 2/10/95 | | 0.19 | 5.9 | 0.58 | 8.1 | 0.20 | 2.8 | 1.9 | 54 | 0.4 | 11.8 | 4.1 | 57 | 0.82 | 2.18 | | 2.24 | 34.208 | 21.6 | 8.25 | 6.61 | | |
| SSW28* | 2/16/95 | | 0.22 | 6.8 | 0.48 | 6.7 | 0.24 | 3.4 | 2.4 | 68 | 0.4 | 12.4 | 5.3 | 74 | 0.82 | 0.16 | | 2.23 | 34.133 | 22.7 | 8.27 | 6.40 | | |
| SSW28* | 2/24/95 | | 0.24 | 7.4 | 0.57 | 8.0 | 0.20 | 2.8 | 2.5 | 71 | 0.4 | 11.8 | 5.2 | 72 | 0.89 | 0.02 | | 2.23 | 34.168 | 22.7 | 8.26 | 6.44 | | |
| SSW28* | 3/1/95 | | 0.21 | 6.5 | 0.32 | 4.5 | 0.35 | 4.9 | 2.1 | 60 | 0.4 | 11.8 | 5.6 | 79 | 0.97 | 0.01 | | 2.24 | 34.230 | 24.8 | 8.28 | 6.51 | | |
| SSW28* | 3/7/95 | | 0.23 | 7.1 | 0.20 | 2.8 | 0.39 | 5.5 | 2.1 | 60 | 0.4 | 13.0 | 5.3 | 74 | 0.95 | 0.57 | | 2.23 | 34.159 | 23.4 | 8.27 | 6.78 | | |
| SSW28* | 3/16/95 | | 0.22 | 6.8 | 0.31 | 4.3 | 0.16 | 2.2 | 2.1 | 59 | 0.4 | 12.1 | 4.8 | 68 | 1.19 | 0.02 | | 2.24 | 34.268 | 24.3 | 8.26 | 6.48 | | |
| SSW28* | 3/23/95 | | 0.22 | 6.8 | 0.25 | 3.5 | 0.37 | 5.2 | 10.5 | 294 | 0.4 | 13.0 | 5.9 | 83 | 1.03 | 0.48 | | 2.23 | 34.226 | 24.9 | 8.25 | 6.54 | | |
| SSW28* | 3/28/95 | | 0.20 | 6.2 | 0.43 | 6.0 | 0.48 | 6.7 | 5.7 | 161 | 0.4 | 12.1 | 5.2 | 73 | 0.93 | 0.02 | | 2.23 | 34.186 | 25.4 | 8.25 | 6.35 | | |
| SSW28* | 4/6/95 | | 0.22 | 6.8 | 0.75 | 10.5 | 0.47 | 6.6 | 3.5 | 99 | 0.4 | 12.1 | 5.9 | 83 | 0.93 | 0.19 | | 2.23 | 34.205 | 24.9 | 8.23 | 6.21 | | |
| SSW28* | 4/13/95 | | 0.22 | 6.8 | 0.98 | 13.7 | 0.39 | 5.5 | 2.8 | 78 | 0.4 | 11.5 | 4.9 | 68 | 0.81 | 0.00 | | 2.24 | 34.325 | 25.8 | 8.22 | 6.22 | | |
| SSW28* | 4/20/95 | | 0.19 | 5.9 | 0.56 | 7.8 | 0.33 | 4.6 | 1.9 | 53 | 0.4 | 10.8 | 5.2 | 73 | 0.89 | 0.06 | | 2.35 | 34.430 | 26.3 | 8.22 | 6.34 | | |
| SSW28* | 4/27/95 | | 0.15 | 4.6 | 0.32 | 4.5 | 0.27 | 3.8 | 2.1 | 58 | 0.3 | 9.6 | 4.9 | 69 | 1.05 | 0.00 | | 2.36 | 34.421 | 24.9 | 8.26 | 6.40 | | |
| SSW28* | 5/4/95 | | 0.16 | 5.0 | 0.96 | 13.4 | 0.21 | 2.9 | 2.7 | 76 | 0.3 | 10.5 | 5.4 | 76 | 0.99 | 0.02 | | 2.35 | 34.383 | 26.9 | 8.21 | 6.36 | | |
| SSW28* | 5/12/95 | | 0.17 | 5.3 | 0.43 | 6.0 | 0.34 | 4.8 | 2.0 | 55 | 0.3 | 9.3 | 5.1 | 71 | 0.99 | 0.14 | | 2.36 | 34.425 | 27.2 | 8.19 | 6.57 | | |
| SSW28* | 5/16/95 | | 0.14 | 4.3 | 0.48 | 6.7 | 0.35 | 4.9 | 1.1 | 32 | 0.3 | 10.2 | 5.1 | 72 | 0.95 | 0.11 | | 2.36 | 34.472 | 27.0 | 8.22 | 6.48 | | |
| SSW28* | 5/25/95 | | 0.17 | 5.3 | 1.01 | 14.1 | 0.18 | 2.5 | 3.3 | 91 | 0.3 | 9.6 | 6.0 | 84 | 0.97 | 0.10 | | 2.37 | 34.519 | 24.6 | 8.23 | 6.53 | | |
| SSW28* | 6/1/95 | | 0.16 | 5.0 | 0.90 | 7.0 | 0.11 | 1.5 | 2.3 | 65 | 0.3 | 8.7 | 4.8 | 67 | 0.87 | 0.08 | | 2.36 | 34.439 | 24.9 | 8.23 | 6.62 | | |
| SSW28* | 6/8/95 | | 0.18 | 5.6 | 0.94 | 13.2 | 0.20 | 2.8 | 2.9 | 82 | 0.3 | 8.7 | 5.4 | 76 | 0.88 | 0.42 | | 2.37 | 34.502 | 25.4 | 8.25 | 6.36 | | |
| SSW28* | 6/15/95 | | 0.18 | 5.6 | 1.08 | 15.1 | 0.18 | 2.5 | 3.6 | 100 | 0.3 | 8.4 | 5.5 | 77 | 0.86 | 0.05 | | 2.36 | 34.487 | 25.8 | 8.23 | 6.38 | | |
| SSW28* | 6/22/95 | | 0.16 | 5.0 | 0.77 | 10.8 | 0.42 | 5.9 | 1.9 | 54 | 0.3 | 9.0 | 5. | | | | | | | | | | | |

NELHA Water Quality Laboratory

SSW 28"

Intake Depth: 21 m, Offshore Pipe Length: 163 m

| SITE ID | DATE MD/Y | TIME (2400) | PO ₄ ³⁻ (µM) | (µg P/L) | NO ₃ ⁻ & NO ₂ ⁻ (µM) | (µg N/L) | NH ₄ ⁺ & NH ₃ (µM) | (µg N/L) | Si (µM) | (µg Si/L) | TDP (µM) | (µg P/L) | TDN (µM) | (µg N/L) | TOC (mgC/L) | TSS (mg/L) | Turbidity (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL |
|---------|--------------|----------------|---------------------------------------|----------|---|----------|--|----------|------------|-----------|-------------|----------|-------------|----------|----------------|---------------|--------------------|----------------|-------------------|--------------|--------------|-------------|---------------------|---|
| SSW28* | 7/5/95 | | 0.14 | 4.3 | 0.16 | 2.2 | 0.10 | 1.4 | 3.0 | 85 | 0.3 | 10.5 | 4.5 | 63 | 0.90 | 0.10 | | 2.36 | 34.520 | 26.8 | 8.26 | 6.35 | | |
| SSW28* | 7/12/95 | | 0.12 | 3.7 | 0.27 | 3.8 | 0.15 | 2.1 | 1.8 | 51 | 0.3 | 8.4 | 4.7 | 66 | 0.80 | 0.57 | | 2.35 | 34.489 | 27.4 | 8.27 | 6.22 | | |
| SSW28* | 7/19/95 | | 0.16 | 5.0 | 0.48 | 6.7 | 0.14 | 2.0 | 3.6 | 101 | 0.3 | 10.5 | 4.4 | 62 | 0.89 | 0.14 | | 2.35 | 34.393 | 26.8 | 8.28 | 6.03 | | |
| SSW28* | 7/27/95 | | 0.16 | 5.0 | 0.75 | 10.5 | 0.43 | 6.0 | 1.5 | 42 | 0.3 | 9.9 | 4.6 | 64 | 0.85 | 0.12 | | 2.38 | 34.458 | 26.9 | 8.26 | 5.99 | | |
| SSW28* | 8/2/95 | | 0.16 | 5.0 | 0.33 | 4.6 | 0.42 | 5.9 | 2.6 | 72 | 0.3 | 9.3 | 4.3 | 60 | 0.87 | 0.48 | | 2.38 | 34.479 | 26.6 | 8.28 | 6.16 | | |
| SSW28* | 8/10/95 | | 0.15 | 4.6 | 0.13 | 1.8 | 0.39 | 5.5 | 1.8 | 50 | 0.3 | 8.1 | 5.0 | 69 | 0.98 | 0.26 | | 2.39 | 34.470 | 27.1 | 8.27 | 6.17 | | |
| SSW28* | 8/16/95 | | 0.15 | 4.6 | 0.44 | 6.2 | 0.44 | 6.2 | 2.5 | 70 | 0.3 | 9.6 | 4.7 | 66 | 0.89 | 0.34 | | 2.39 | 34.445 | 27.7 | 8.27 | 6.07 | | |
| SSW28* | 8/24/95 | | 0.15 | 4.6 | 0.28 | 3.9 | 0.37 | 5.2 | 1.1 | 30 | 0.3 | 10.2 | 4.7 | 65 | 0.88 | 0.40 | | 2.39 | 34.508 | 27.0 | 8.30 | 6.03 | | |
| SSW28* | 8/31/95 | | 0.14 | 4.3 | 0.39 | 5.5 | 0.31 | 4.3 | 1.8 | 51 | 0.3 | 7.7 | 4.9 | 69 | 0.87 | 0.00 | | 2.39 | 34.574 | 27.4 | 8.28 | 5.99 | | |
| SSW28* | 9/6/95 | | 0.14 | 4.3 | 0.35 | 4.9 | 0.34 | 4.8 | 1.8 | 50 | 0.3 | 8.4 | 4.7 | 66 | 0.84 | 0.55 | | 2.39 | 34.544 | 27.8 | 8.28 | 6.20 | | |
| SSW28* | 9/14/95 | | 0.12 | 3.7 | 0.68 | 9.5 | 0.43 | 6.0 | 3.0 | 83 | 0.3 | 9.3 | 5.7 | 79 | 0.82 | 0.09 | | 2.39 | 34.561 | 27.3 | 8.28 | 5.99 | | |
| SSW28* | 9/20/95 | | 0.15 | 4.6 | 0.51 | 7.1 | 0.41 | 5.7 | 3.6 | 101 | 0.3 | 9.0 | 5.8 | 81 | 0.87 | 0.55 | | 2.39 | 34.556 | 27.4 | 8.29 | 6.18 | | |
| SSW28* | 9/27/95 | | 0.15 | 4.6 | 0.53 | 7.4 | 0.50 | 7.0 | 1.4 | 39 | 0.3 | 9.0 | 5.5 | 76 | 0.78 | 1.12 | | 2.39 | 34.582 | 27.5 | 8.27 | 6.18 | | |
| SSW28* | 10/5/95 | | 0.07 | 2.2 | 0.19 | 2.7 | 0.77 | 10.8 | 1.8 | 51 | 0.3 | 7.7 | 4.1 | 57 | 0.96 | 0.11 | | 2.40 | 34.664 | 27.2 | 8.34 | 6.39 | | |
| SSW28* | 10/10/95 | | 0.06 | 1.9 | 0.17 | 2.4 | 0.63 | 8.8 | 1.7 | 49 | 0.3 | 8.1 | 4.3 | 60 | 0.93 | 0.42 | | 2.40 | 34.683 | 27.5 | 8.30 | 6.38 | | |
| SSW28* | 10/19/95 | | 0.09 | 2.8 | 0.28 | 3.9 | 0.68 | 9.5 | 2.1 | 59 | 0.3 | 9.0 | 4.5 | 63 | 0.94 | 0.65 | | 2.37 | 34.638 | 26.7 | 8.31 | 6.37 | | |
| SSW28* | 10/25/95 | | 0.11 | 3.4 | 0.16 | 2.2 | 0.61 | 8.5 | 1.3 | 37 | 0.2 | 7.1 | 5.2 | 73 | 0.84 | 0.57 | | 2.37 | 34.664 | 25.2 | 8.33 | 6.38 | | |
| SSW28* | 11/1/95 | | 0.09 | 2.8 | 0.24 | 3.4 | 0.43 | 6.0 | 1.5 | 43 | 0.2 | 7.4 | 6.2 | 86 | 1.05 | 0.42 | | 2.37 | 34.662 | 26.5 | 8.31 | 6.33 | | |
| SSW28* | 11/8/95 | | 0.11 | 3.4 | 0.33 | 4.6 | 0.52 | 7.3 | 2.6 | 73 | 0.2 | 7.4 | 5.1 | 72 | 0.89 | 0.60 | | 2.37 | 34.592 | 26.6 | 8.26 | 6.17 | | |
| SSW28* | 11/16/95 | | 0.11 | 3.4 | 0.28 | 3.9 | 0.50 | 7.0 | 11.4 | 320 | 0.3 | 9.6 | 5.2 | 73 | 1.03 | 0.70 | | 2.35 | 34.359 | 26.8 | 8.31 | 6.34 | | |
| SSW28* | 11/21/95 | | 0.12 | 3.7 | 0.07 | 1.0 | 0.51 | 7.1 | 2.0 | 55 | 0.3 | 9.3 | 5.7 | 80 | 1.13 | 0.45 | | 2.36 | 34.550 | 27.0 | 8.25 | 6.52 | | |
| SSW28* | 11/27/95 | | 0.11 | 3.4 | 0.17 | 2.4 | 0.47 | 6.6 | 1.7 | 47 | 0.3 | 10.2 | 4.5 | 64 | 1.00 | 0.57 | | 2.47 | 34.561 | 27.0 | 8.25 | 6.56 | | |
| SSW28* | 12/5/95 | | 0.05 | 1.5 | 0.06 | 0.8 | 0.41 | 5.7 | 2.8 | 77 | 0.2 | 6.5 | 7.8 | 110 | 1.18 | 0.44 | | 2.54 | 34.655 | 26.1 | 8.28 | 6.82 | | |
| SSW28* | 12/11/95 | | 0.10 | 3.1 | 0.44 | 6.2 | 0.50 | 7.0 | 2.5 | 71 | 0.2 | 6.8 | 4.7 | 65 | 1.03 | 0.06 | | 2.57 | 34.589 | 26.0 | 8.18 | 6.41 | | |
| SSW28* | 12/21/95 | | 0.09 | 2.8 | 0.11 | 1.5 | 0.28 | 3.9 | 1.7 | 49 | 0.3 | 10.5 | 3.6 | 51 | 0.97 | 0.59 | | 2.60 | 34.637 | 25.6 | 8.27 | 6.65 | | |
| SSW28* | 12/27/95 | | 0.07 | 2.2 | 0.04 | 0.6 | 0.16 | 2.2 | 2.5 | 70 | 0.3 | 9.9 | 4.9 | 69 | 1.01 | 0.15 | | 2.58 | 34.616 | 25.9 | 8.30 | 6.44 | | |
| SSW28* | 1/3/96 | | 0.12 | 3.7 | 0.03 | 0.4 | 0.15 | 2.1 | 2.2 | 61 | 0.3 | 8.7 | 5.2 | 72 | 0.99 | 0.30 | | 2.59 | 34.514 | 25.0 | 8.33 | 6.50 | | |
| SSW28* | 1/10/96 | | 0.10 | 3.1 | 0.31 | 4.3 | 0.09 | 1.3 | 3.8 | 107 | 0.3 | 9.0 | 4.5 | 62 | 0.98 | 0.43 | | 2.59 | 34.584 | 25.7 | 8.29 | 6.46 | | |
| SSW28* | 1/17/96 | | 0.08 | 2.5 | 0.02 | 0.3 | 0.04 | 0.6 | 2.1 | 59 | 0.3 | 8.1 | 6.2 | 86 | 0.97 | 0.36 | | 2.60 | 34.658 | 25.0 | 8.28 | 6.58 | | |
| SSW28* | 1/23/96 | | 0.11 | 3.4 | 0.17 | 2.4 | 0.20 | 2.8 | 2.6 | 73 | 0.3 | 8.7 | 4.3 | 60 | 0.85 | 0.66 | | 2.60 | 34.674 | 25.4 | 8.28 | 6.49 | | |
| SSW28* | 1/31/96 | | 0.08 | 2.5 | 0.11 | 1.5 | 0.36 | 5.0 | 2.1 | 60 | 0.3 | 7.7 | 5.4 | 75 | 1.03 | 2.75 | | 2.58 | 34.588 | 24.4 | 8.25 | 6.55 | | |
| SSW28* | 2/7/96 | | 0.09 | 2.8 | 0.41 | 5.7 | 0.43 | 6.0 | 4.5 | 125 | 0.3 | 8.4 | 4.9 | 69 | 1.00 | 2.60 | | 2.35 | 34.616 | 25.0 | 8.21 | 6.42 | | |
| SSW28* | 2/16/96 | | 0.10 | 3.1 | 0.07 | 1.0 | 0.43 | 6.0 | 5.8 | 163 | 0.3 | 8.1 | 5.1 | 71 | 0.99 | 1.75 | | 2.32 | 34.420 | 24.4 | 8.24 | 6.52 | | |
| SSW28* | 2/22/96 | | 0.08 | 2.5 | 0.16 | 2.2 | 0.68 | 9.5 | 1.9 | 54 | 0.3 | 7.7 | 5.4 | 75 | 1.12 | 3.40 | | 2.32 | 34.660 | 24.4 | 8.22 | 6.57 | | |
| SSW28* | 2/28/96 | | 0.08 | 2.5 | 0.22 | 3.1 | 0.42 | 5.9 | 5.3 | 148 | 0.2 | 6.2 | 5.9 | 83 | 1.08 | 6.95 | | 2.31 | 34.543 | 24.4 | 8.25 | 6.43 | | |
| SSW28* | 3/7/96 | | 0.11 | 3.4 | 0.07 | 1.0 | 0.41 | 5.7 | 1.7 | 48 | 0.3 | 9.6 | 4.8 | 67 | 1.01 | 2.55 | | 2.30 | 34.324 | 24.9 | 8.24 | 6.56 | | |
| SSW28* | 3/14/96 | | 0.09 | 2.8 | 0.13 | 1.8 | 0.54 | 7.6 | 2.7 | 77 | 0.3 | 9.3 | 4.6 | 65 | 0.94 | 9.05 | | 2.30 | 34.166 | 24.6 | 8.24 | 6.78 | | |
| SSW28* | 3/21/96 | | 0.11 | 3.4 | 0.15 | 2.1 | 0.53 | 7.4 | 1.9 | 54 | 0.3 | 9.0 | 5.6 | 79 | 1.03 | 1.60 | | 2.29 | 34.233 | 24.5 | 8.25 | 6.80 | | |
| SSW28* | 3/28/96 | | 0.10 | 3.1 | 0.16 | 2.2 | 0.35 | 4.9 | 3.4 | 96 | 0.3 | 9.3 | 4.9 | 68 | 0.95 | 2.70 | | 2.29 | 34.242 | 24.2 | 8.27 | 6.69 | | |
| SSW28* | 4/3/96 | | 0.10 | 3.1 | 0.20 | 2.8 | 0.35 | 4.9 | 2.6 | 72 | 0.3 | 9.6 | 4.7 | 65 | 1.03 | 2.80 | | 2.30 | 34.305 | 25.5 | 8.23 | 6.78 | | |
| SSW28* | 4/10/96 | | 0.12 | 3.7 | 0.07 | 1.0 | 0.48 | 6.7 | 2.9 | 82 | 0.3 | 8.7 | 5.0 | 70 | 0.99 | 1.95 | | 2.28 | 34.208 | 25.6 | 8.25 | 6.37 | | |
| SSW28* | 4/17/96 | | 0.11 | 3.4 | 0.11 | 1.5 | 0.23 | 3.2 | 1.8 | 50 | 0.3 | 8.4 | 6.2 | 87 | 1.06 | 2.45 | | 2.29 | 34.309 | 25.1 | 8.26 | 6.45 | | |
| SSW28* | 4/24/96 | | 0.12 | 3.7 | 0.11 | 1.5 | 0.21 | 2.9 | 4.3 | 122 | 0.3 | 9.0 | 5.4 | 75 | 1.01 | 3.45 | | 2.36 | 34.444 | 25.2 | 8.25 | 6.63 | | |
| SSW28* | 4/30/96 | | 0.10 | 3.1 | 0.01 | 0.1 | 0.09 | 1.3 | 1.2 | 33 | 0.3 | 9.6 | 6.1 | 85 | 1.08 | 3.50 | | 2.36 | 34.268 | 25.4 | 8.23 | 6.98 | | |
| SSW28* | 5/9/96 | | 0.07 | 2.2 | 0.14 | 2.0 | 0.16 | 2.2 | 3.1 | 88 | 0.3 | 8.4 | 4.2 | 59 | 0.89 | 2.70 | | 2.36 | 34.390 | 26.2 | 8.21 | 6.54 | | |
| SSW28* | 5/17/96 | | 0.08 | 2.5 | 0.14 | 2.0 | 0.29 | 4.1 | 2.1 | 59 | 0.3 | 8.7 | 9.2 | 128 | 1.47 | 2.45 | | 2.46 | 34.294 | 28.3 | 8.24 | 6.63 | | |
| SSW28* | 5/22/96 | | 0.12 | 3.7 | 0.16 | 2.2 | 0.25 | 3.5 | 1.7 | 47 | 0.2 | 7.4 | 5.6 | 79 | 1.05 | 2.75 | | 2.32 | 34.292 | 26.6 | 8.25 | 7.61 | | |
| SSW28* | 5/29/96 | | 0.12 | 3.7 | 0.21 | 2.9 | 0.36 | 5.0 | 1.6 | 44 | 0.3 | 8.7 | 5.9 | 82 | 1.04 | 2.90 | | 2.36 | 34.396 | 26.6 | 8.24 | 6.43 | | |
| SSW28* | 6/5/96 | | 0.10 | 3.1 | 0.15 | 2.1 | 0.17 | 2.4 | 1.2 | 35 | 0.3 | 7.7 | 5.5 | 76 | 0.95 | 2.40 | | 2.35 | 34.408 | 27.7 | 8.25 | 6.49 | | |
| SSW28* | 6/10/96 | | 0.10 | 3.1 | 0.29 | 4.1 | 0.14 | 2.0 | 1.5 | 42 | 0.3 | 8.7 | 5.1 | 72 | 0.96 | 2.30 | | 2.33 | 34.370 | 27.4 | 8.23 | 6.36 | | |
| SSW28* | 6/19/96 | | 0.09 | 2.8 | 0.23 | 3.2 | 0.30 | 4.2 | 1.4 | 39 | 0.3 | 8.4 | 5.5 | 77 | 0.98 | 2.60 | </ | | | | | | | |

NELHA Water Quality Laboratory

SSW 28"

Intake Depth: 21 m, Offshore Pipe Length: 163 m

| SITE ID | DATE MD/Y | TIME (2400) | PO ₄ ³⁻ (µM) | (µg P/L) | NO ₃ ⁻ & NO ₂ ⁻ (µM) | (µg N/L) | NH ₄ ⁺ & NH ₃ (µM) | (µg N/L) | Si (µM) | (µg Si/L) | TDP (µM) | (µg P/L) | TDN (µM) | (µg N/L) | TOC (mgC/L) | TSS (mg/L) | Turbidity (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL |
|---------|--------------|----------------|---------------------------------------|----------|---|----------|--|----------|------------|-----------|-------------|----------|-------------|----------|----------------|---------------|--------------------|----------------|-------------------|--------------|--------------|-------------|---------------------|---|
| SSW28* | 7/5/96 | | 0.10 | 3.1 | 0.17 | 2.4 | 0.42 | 5.9 | 2.0 | 57 | 0.3 | 9.9 | 4.4 | 62 | 1.06 | 2.55 | | 2.37 | 34.372 | 27.1 | 8.22 | 6.46 | | |
| SSW28* | 7/10/96 | | 0.09 | 2.8 | 0.11 | 1.5 | 0.31 | 4.3 | 1.4 | 38 | 0.3 | 10.2 | 4.4 | 61 | 1.00 | 2.50 | | 2.37 | 34.462 | 28.2 | 8.25 | 6.28 | | |
| SSW28* | 7/18/96 | | 0.07 | 2.2 | 0.10 | 1.4 | 0.31 | 4.3 | 8.7 | 244 | 0.3 | 9.0 | 4.2 | 59 | 1.06 | 1.70 | | 2.36 | 34.333 | 26.7 | 8.21 | 6.45 | | |
| SSW28* | 7/25/96 | | 0.07 | 2.2 | 0.09 | 1.3 | 0.17 | 2.4 | 1.2 | 33 | 0.3 | 8.1 | 4.0 | 57 | 0.98 | 2.55 | | 2.17 | 34.434 | 27.9 | 8.26 | 7.10 | | |
| SSW28* | 8/2/96 | | 0.05 | 1.5 | 0.11 | 1.5 | 0.44 | 6.2 | 5.4 | 152 | 0.3 | 9.0 | 4.3 | 60 | 0.89 | 3.15 | | 2.21 | 34.480 | 27.6 | 8.27 | 6.50 | | |
| SSW28* | 8/8/96 | | 0.04 | 1.2 | 0.13 | 1.8 | 0.72 | 10.1 | 3.4 | 95 | 0.3 | 9.6 | 4.3 | 60 | 1.06 | 2.65 | | 2.23 | 34.474 | 27.1 | 8.25 | 6.75 | | |
| SSW28* | 8/14/96 | | 0.06 | 1.9 | 0.07 | 1.0 | 0.63 | 8.8 | 2.6 | 74 | 0.3 | 7.7 | 4.4 | 61 | 0.98 | 2.85 | | 2.15 | 34.482 | 27.7 | 8.26 | 6.32 | | |
| SSW28* | 8/19/96 | | 0.05 | 1.5 | 0.17 | 2.4 | 0.48 | 6.7 | 1.4 | 40 | 0.2 | 6.8 | 4.7 | 65 | 1.03 | 2.50 | | 2.22 | 34.501 | 28.1 | 8.25 | 6.46 | | |
| SSW28* | 8/29/96 | | 0.07 | 2.2 | 0.19 | 2.7 | 0.41 | 5.7 | 2.1 | 58 | 0.3 | 9.0 | 4.4 | 61 | 1.01 | 2.80 | | 2.22 | 34.509 | 27.8 | 8.23 | 6.14 | | |
| SSW28* | 9/5/96 | | 0.07 | 2.2 | 0.15 | 2.1 | 0.84 | 11.8 | 2.4 | 68 | 0.2 | 7.4 | 4.7 | 66 | 1.06 | 2.30 | | 2.23 | 34.478 | 27.8 | 8.25 | 6.95 | | |
| SSW28* | 9/12/96 | | 0.07 | 2.2 | 0.18 | 2.5 | 0.17 | 2.4 | 1.6 | 45 | 0.2 | 7.4 | 5.0 | 70 | 1.06 | 2.65 | | 2.23 | 34.605 | 27.5 | 8.26 | 7.10 | | |
| SSW28* | 9/17/96 | | 0.08 | 2.5 | 0.13 | 1.8 | 0.08 | 1.1 | 2.2 | 61 | 0.3 | 8.7 | 4.2 | 59 | 0.91 | 3.15 | | 2.24 | 34.630 | 27.7 | 8.22 | 7.00 | | |
| SSW28* | 9/25/96 | | 0.08 | 2.5 | 0.12 | 1.7 | 0.38 | 5.3 | 1.5 | 43 | 0.3 | 8.1 | 8.3 | 116 | 1.23 | 2.05 | | 2.21 | 34.632 | 27.2 | 8.24 | 7.21 | | |
| SSW28* | 9/30/96 | | 0.06 | 1.9 | 0.16 | 2.2 | 0.20 | 2.8 | 2.0 | 57 | 0.3 | 9.0 | 4.5 | 64 | 1.05 | 2.00 | | 2.23 | 34.705 | 26.8 | 8.24 | 7.19 | | |
| SSW28* | 10/10/96 | | 0.06 | 1.9 | 0.14 | 2.0 | 0.53 | 7.4 | 9.8 | 276 | 0.3 | 7.7 | 4.6 | 65 | 1.03 | 2.15 | | 2.23 | 34.653 | 26.7 | 8.24 | 6.49 | | |
| SSW28* | 10/14/96 | | 0.06 | 1.9 | 0.11 | 1.5 | 0.57 | 8.0 | 2.4 | 67 | 0.2 | 7.4 | 4.6 | 65 | 1.10 | 0.40 | | 2.22 | 34.686 | 27.5 | 8.26 | 6.58 | | |
| SSW28* | 10/24/96 | | 0.05 | 1.5 | 0.04 | 0.6 | 0.46 | 6.4 | 8.1 | 226 | 0.3 | 9.0 | 4.8 | 67 | 1.05 | 2.50 | | 2.21 | 34.724 | 27.2 | 8.23 | 6.68 | | |
| SSW28* | 10/31/96 | | 0.07 | 2.2 | 0.17 | 2.4 | 0.26 | 3.6 | 1.7 | 47 | 0.3 | 7.7 | 4.7 | 66 | 1.01 | 2.45 | | 2.38 | 34.735 | 26.7 | 8.21 | 6.65 | | |
| SSW28* | 11/8/96 | | 0.06 | 1.9 | 0.27 | 3.8 | 0.47 | 6.6 | 2.4 | 68 | 0.2 | 6.5 | 4.5 | 63 | 0.99 | 1.80 | | 2.33 | 34.713 | 26.8 | 8.23 | 6.54 | | |
| SSW28* | 11/13/96 | | 0.07 | 2.2 | 0.22 | 3.1 | 0.36 | 5.0 | 2.7 | 76 | 0.3 | 8.7 | 4.2 | 59 | 1.10 | 2.35 | | 2.33 | 34.736 | 27.0 | 8.26 | 6.89 | | |
| SSW28* | 11/20/96 | | 0.06 | 1.9 | 0.18 | 2.5 | 0.38 | 5.3 | 3.6 | 100 | 0.3 | 8.4 | 3.5 | 49 | 1.11 | 1.70 | | 2.32 | 34.744 | 25.7 | 8.25 | 6.53 | | |
| SSW28* | 11/27/96 | | 0.05 | 1.5 | 0.15 | 2.1 | 0.37 | 5.2 | 1.1 | 32 | 0.2 | 7.4 | 4.7 | 65 | 0.94 | 1.35 | | 2.32 | 34.632 | 25.6 | 8.27 | 6.44 | | |
| SSW28* | 12/4/96 | | 0.08 | 2.5 | 0.12 | 1.7 | 0.43 | 6.0 | 3.8 | 108 | 0.3 | 8.1 | 4.3 | 61 | 0.95 | 2.20 | | 2.33 | 34.643 | 25.2 | 8.25 | 7.46 | | |
| SSW28* | 12/11/96 | | 0.09 | 2.8 | 0.05 | 0.7 | 0.48 | 6.7 | 2.1 | 59 | 0.3 | 9.3 | 5.0 | 70 | 1.11 | 2.35 | | 2.32 | 34.787 | 24.0 | 8.27 | 7.49 | | |
| SSW28* | 12/18/96 | | 0.07 | 2.2 | 0.01 | 0.1 | 0.25 | 3.5 | 1.4 | 38 | 0.3 | 9.3 | 3.7 | 51 | 0.92 | 2.25 | | 2.32 | 34.808 | 24.8 | 8.26 | 6.59 | | |
| SSW28* | 12/23/96 | | 0.07 | 2.2 | 0.21 | 2.9 | 0.40 | 5.6 | 5.1 | 143 | 0.3 | 9.0 | 4.6 | 65 | 0.88 | 2.10 | | 2.32 | 34.759 | 24.6 | 8.27 | 6.89 | | |
| SSW28* | 1/2/97 | | 0.06 | 1.9 | 0.21 | 2.9 | 0.30 | 4.2 | 1.6 | 45 | 0.2 | 6.2 | 3.9 | 55 | 0.85 | 2.85 | | 2.30 | 34.719 | 24.3 | 8.28 | 6.71 | | |
| SSW28* | 1/9/97 | | 0.05 | 1.5 | 0.08 | 1.1 | 0.29 | 4.1 | 1.4 | 40 | 0.3 | 8.7 | 4.2 | 59 | 1.04 | 1.15 | | 2.32 | 34.735 | 23.6 | 8.27 | 6.75 | | |
| SSW28* | 1/16/97 | | 0.07 | 2.2 | 0.26 | 3.6 | 0.12 | 1.7 | 2.6 | 73 | 0.4 | 11.5 | 4.7 | 66 | 0.91 | 3.15 | | 2.31 | 34.664 | 23.6 | 8.26 | 6.97 | | |
| SSW28* | 1/21/97 | | 0.08 | 2.5 | 0.18 | 2.5 | 0.01 | 0.1 | 2.5 | 70 | 0.3 | 9.9 | 4.2 | 59 | 0.98 | 1.20 | | 2.16 | 34.586 | 24.1 | 8.27 | 6.71 | | |
| SSW28* | 1/28/97 | | 0.03 | 0.9 | 0.12 | 1.7 | 0.01 | 0.1 | 2.3 | 65 | 0.2 | 7.1 | 4.5 | 63 | 1.07 | 2.30 | | 2.10 | 34.748 | 24.5 | 8.28 | 6.65 | | |
| SSW28* | 2/7/97 | | 0.02 | 0.6 | 0.14 | 2.0 | 0.01 | 0.1 | 1.7 | 46 | 0.3 | 9.3 | 4.8 | 67 | 1.09 | 1.90 | | 2.11 | 34.763 | 25.0 | 8.28 | 6.67 | | |
| SSW28* | 2/12/97 | | 0.04 | 1.2 | 0.12 | 1.7 | 0.13 | 1.8 | 1.3 | 37 | 0.3 | 9.0 | 4.7 | 66 | 1.03 | 1.75 | | 2.12 | 34.794 | 23.3 | 8.30 | 6.72 | | |
| SSW28* | 2/19/97 | | 0.06 | 1.9 | 0.08 | 1.1 | 0.07 | 1.0 | 1.5 | 42 | 0.2 | 7.4 | 4.9 | 69 | 1.03 | 2.50 | | 2.08 | 34.674 | 24.2 | 8.30 | 7.14 | | |
| SSW28* | 2/25/97 | | 0.06 | 1.9 | 0.13 | 1.8 | 0.15 | 2.1 | 1.5 | 43 | 0.2 | 5.0 | 4.5 | 63 | 1.05 | 3.00 | | 2.10 | 34.793 | 23.6 | 8.32 | 7.04 | | |
| SSW28* | 3/4/97 | | 0.04 | 1.2 | 0.16 | 2.2 | 0.10 | 1.4 | 1.6 | 44 | 0.2 | 6.2 | 4.8 | 68 | 1.08 | 2.05 | | 2.12 | 34.713 | 23.7 | 8.30 | 6.92 | | |
| SSW28* | 3/12/97 | | 0.06 | 1.9 | 0.07 | 1.0 | 0.24 | 3.4 | 2.0 | 56 | 0.2 | 5.6 | 6.3 | 88 | 1.21 | 2.90 | | 2.10 | 34.585 | 24.0 | 8.25 | 7.03 | | |
| SSW28* | 3/20/97 | | 0.11 | 3.4 | 0.13 | 1.8 | 0.11 | 1.5 | 2.0 | 57 | 0.4 | 10.8 | 4.6 | 65 | 1.03 | 1.75 | | 2.09 | 34.595 | 23.3 | 8.26 | 6.87 | | |
| SSW28* | 3/25/97 | | 0.14 | 4.3 | 0.09 | 1.3 | 0.21 | 2.9 | 1.8 | 51 | 0.3 | 9.9 | 4.7 | 65 | 1.06 | 3.90 | | 2.09 | 34.585 | 23.6 | 8.25 | 7.01 | | |
| SSW28* | 3/31/97 | | 0.13 | 4.0 | 0.19 | 2.7 | 0.11 | 1.5 | 10.0 | 281 | 0.4 | 12.1 | 4.8 | 68 | 1.04 | 1.40 | | 2.07 | 34.500 | 24.7 | 8.26 | 7.03 | | |
| SSW28* | 4/7/97 | | 0.06 | 1.9 | 0.09 | 1.3 | 0.51 | 7.1 | 10.7 | 300 | 0.3 | 9.9 | 5.7 | 80 | 1.07 | 1.85 | | 2.09 | 34.749 | 24.1 | 8.26 | 6.52 | | |
| SSW28* | 4/14/97 | | 0.07 | 2.2 | 0.21 | 2.9 | 0.24 | 3.4 | 8.3 | 233 | 0.3 | 10.5 | 5.0 | 70 | 1.13 | 1.55 | | 2.52 | 34.622 | 24.9 | 8.28 | 6.56 | | |
| SSW28* | 4/24/97 | | 0.13 | 4.0 | 0.16 | 2.2 | 0.40 | 5.6 | 2.5 | 70 | 0.6 | 18.3 | 4.7 | 66 | 1.03 | 1.45 | | 2.64 | 34.373 | 25.5 | 8.27 | 6.76 | | |
| SSW28* | 5/2/97 | | 0.12 | 3.7 | 0.10 | 1.4 | 0.38 | 5.3 | 1.7 | 47 | 0.6 | 19.5 | 8.2 | 115 | 1.24 | 2.55 | | 2.66 | 34.434 | 25.1 | 8.28 | 6.70 | | |
| SSW28* | 5/8/97 | | 0.11 | 3.4 | 0.15 | 2.1 | 0.30 | 4.2 | 2.0 | 55 | 0.6 | 18.9 | 4.6 | 65 | 0.99 | 2.10 | | 2.70 | 34.394 | 24.6 | 8.30 | 6.76 | | |
| SSW28* | 5/13/97 | | 0.11 | 3.4 | 0.13 | 1.8 | 0.32 | 4.5 | 2.3 | 64 | 0.6 | 19.5 | 5.5 | 77 | 1.07 | 2.05 | | 2.43 | 34.495 | 25.4 | 8.29 | 6.71 | | |
| SSW28* | 5/19/97 | | 0.10 | 3.1 | 0.08 | 1.1 | 0.33 | 4.6 | 1.0 | 29 | 0.5 | 16.7 | 4.5 | 63 | 1.03 | 2.70 | | 2.54 | 34.517 | 24.7 | 8.32 | 6.58 | | |
| SSW28* | 5/29/97 | | 0.10 | 3.1 | 0.18 | 2.5 | 0.26 | 3.6 | 5.9 | 165 | 0.4 | 11.8 | 4.9 | 69 | 1.02 | 1.70 | | 2.60 | 34.484 | 25.7 | 8.27 | 6.98 | | |
| SSW28* | 6/3/97 | | 0.08 | 2.5 | 0.14 | 2.0 | 0.42 | 5.9 | 1.6 | 46 | 0.3 | 9.6 | 4.9 | 69 | 1.06 | 1.60 | | 2.58 | 34.476 | 26.8 | 8.31 | 6.91 | | |
| SSW28* | 6/10/97 | | 0.10 | 3.1 | 0.15 | 2.1 | 0.45 | 6.3 | 1.9 | 52 | 0.3 | 10.5 | 5.9 | 82 | 1.12 | 1.60 | | 2.46 | 34.492 | 25.8 | 8.39 | 6.79 | | |
| SSW28* | 6/18/97 | | 0.10 | 3.1 | 0.02 | 0.3 | 0.42 | 5.9 | 2.0 | 57 | 0.4 | 11.2 | 4.0 | 56 | 1.03 | 2.65 | | | | | | | | |

NELHA Water Quality Laboratory
SSW 28"
Intake Depth: 21 m, Offshore Pipe Length: 163 m

| SITE ID | DATE MD/Y | TIME (2400) | PO ₄ ³⁻ (µM) | (µg P/L) | NO ₃ ⁻ & NO ₂ ⁻ (µM) | (µg N/L) | NH ₄ ⁺ & NH ₃ (µM) | (µg N/L) | Si (µM) | (µg Si/L) | TDP (µg P/L) | (µM) | TDN (µg N/L) | (µM) | TOC (mgC/L) | TSS (mg/L) | Turbidity (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL |
|---------|--------------|----------------|---------------------------------------|----------|---|----------|--|----------|------------|-----------|-----------------|------|-----------------|------|----------------|---------------|--------------------|----------------|-------------------|--------------|--------------|-------------|---------------------|---|
| SSW28* | 7/3/97 | | 0.12 | 3.7 | 0.19 | 2.7 | 0.02 | 0.3 | 12.4 | 348 | 0.3 | 10.5 | 4.5 | 64 | 0.98 | 2.55 | | 2.61 | 34.542 | 23.5 | 8.31 | 7.18 | | |
| SSW28* | 7/9/97 | | 0.07 | 2.2 | 0.10 | 1.4 | 0.28 | 3.9 | 11.1 | 311 | 0.3 | 9.6 | 4.5 | 63 | 1.00 | 2.00 | | 2.62 | 34.635 | 25.9 | 8.32 | 6.92 | | |
| SSW28* | 7/17/97 | | 0.07 | 2.2 | 0.04 | 0.6 | 0.15 | 2.1 | 1.4 | 40 | 0.3 | 10.2 | 4.3 | 60 | 1.07 | 3.75 | | 2.62 | 34.636 | 25.8 | 8.30 | 6.73 | | |
| SSW28* | 7/25/97 | | 0.06 | 1.9 | 0.04 | 0.6 | 0.31 | 4.3 | 2.0 | 57 | 0.3 | 10.2 | 5.1 | 71 | 1.08 | 2.30 | | 2.60 | 34.679 | 26.2 | 8.38 | 6.52 | | |
| SSW28* | 7/31/97 | | 0.06 | 1.9 | 0.05 | 0.7 | 0.19 | 2.7 | 1.0 | 28 | 0.3 | 8.7 | 5.5 | 77 | 1.11 | 1.90 | | 2.57 | 34.657 | 25.8 | 8.37 | 6.68 | | |
| SSW28* | 8/7/97 | | 0.06 | 1.9 | 0.01 | 0.1 | 0.16 | 2.2 | 1.0 | 28 | 0.3 | 10.2 | 5.0 | 70 | 1.09 | 2.45 | | 2.49 | 34.651 | 26.0 | 8.41 | 6.60 | | |
| SSW28* | 8/13/97 | | 0.06 | 1.9 | 0.01 | 0.1 | 0.04 | 0.6 | 2.0 | 56 | 0.3 | 9.0 | 4.8 | 67 | 1.04 | 1.85 | | 2.48 | 34.631 | 25.7 | 8.39 | 6.52 | | |
| SSW28* | 8/22/97 | | 0.06 | 1.9 | 0.04 | 0.6 | 0.28 | 3.9 | 1.6 | 44 | 0.3 | 9.9 | 5.7 | 80 | 1.03 | 1.55 | | 2.48 | 34.654 | 26.2 | 8.40 | 6.56 | | |
| SSW28* | 8/27/97 | | 0.12 | 3.7 | 0.02 | 0.3 | 0.33 | 4.6 | 1.8 | 49 | 0.4 | 10.8 | 5.0 | 70 | 1.06 | 1.75 | | 2.48 | 34.649 | 26.3 | 8.38 | 6.54 | | |
| SSW28* | 9/3/97 | | 0.05 | 1.5 | 0.11 | 1.5 | 0.31 | 4.3 | 2.6 | 72 | 0.3 | 8.1 | 5.1 | 71 | 1.06 | 2.45 | | 2.48 | 34.687 | 27.4 | 8.43 | 6.52 | | |
| SSW28* | 9/11/97 | | 0.06 | 1.9 | 0.02 | 0.3 | 0.30 | 4.2 | 3.0 | 83 | 0.4 | 10.8 | 4.8 | 68 | 1.00 | 1.55 | | 2.48 | 34.699 | 26.6 | 8.44 | 6.35 | | |
| SSW28* | 9/18/97 | | 0.08 | 2.5 | 0.02 | 0.3 | 0.17 | 2.4 | 2.9 | 80 | 0.3 | 9.3 | 4.7 | 66 | 1.08 | 1.75 | | 2.49 | 34.751 | 26.0 | 8.43 | 6.05 | | |
| SSW28* | 9/25/97 | | 0.08 | 2.5 | 0.12 | 1.7 | 0.54 | 7.6 | 2.7 | 76 | 0.3 | 10.2 | 4.9 | 68 | 1.03 | 0.50 | | 2.49 | 34.788 | 27.3 | 8.41 | 6.32 | | |
| SSW28* | 9/30/97 | | 0.06 | 1.9 | 0.12 | 1.7 | 0.40 | 5.6 | 1.7 | 49 | 0.3 | 9.9 | 4.8 | 67 | 1.04 | 1.70 | | 2.49 | 34.785 | 26.1 | 8.44 | 6.35 | | |
| SSW28* | 10/9/97 | | 0.10 | 3.1 | 0.03 | 0.4 | 0.34 | 4.8 | 4.1 | 116 | 0.4 | 12.1 | 4.9 | 68 | 1.00 | 1.30 | | 2.48 | 34.790 | 27.5 | 8.43 | 6.14 | | |
| SSW28* | 10/16/97 | | 0.06 | 1.9 | 0.04 | 0.6 | 0.42 | 5.9 | 1.3 | 37 | 0.4 | 11.8 | 4.7 | 66 | 1.06 | 1.55 | | 2.48 | 34.820 | 26.9 | 8.44 | 6.31 | | |
| SSW28* | 10/23/97 | | 0.06 | 1.9 | 0.10 | 1.4 | 0.29 | 4.1 | 1.8 | 51 | 0.4 | 10.8 | 4.8 | 68 | 1.04 | 1.65 | | 2.47 | 34.825 | 26.9 | 8.48 | 6.45 | | |
| SSW28* | 10/30/97 | | 0.04 | 1.2 | 0.01 | 0.1 | 0.24 | 3.4 | 1.4 | 39 | 0.3 | 9.9 | 4.4 | 61 | 1.07 | 1.45 | | 2.48 | 34.914 | 26.4 | 8.45 | 6.84 | | |
| SSW28* | 11/6/97 | | 0.05 | 1.5 | 0.01 | 0.1 | 0.41 | 5.7 | 0.7 | 21 | 0.3 | 9.3 | 4.4 | 62 | 1.07 | 1.15 | | 2.48 | 34.946 | 25.9 | 8.42 | 6.69 | | |
| SSW28* | 11/10/97 | | 0.05 | 1.5 | 0.05 | 0.7 | 0.37 | 5.2 | 1.5 | 42 | 0.2 | 7.4 | 4.6 | 64 | 1.05 | 0.95 | | 2.49 | 34.959 | 25.9 | 8.45 | 6.65 | | |
| SSW28* | 11/20/97 | | 0.06 | 1.9 | 0.09 | 1.3 | 0.44 | 6.2 | 2.4 | 68 | 0.3 | 10.5 | 4.8 | 67 | 1.08 | 1.50 | | 2.48 | 34.874 | 25.9 | 8.40 | 6.46 | | |
| SSW28* | 11/25/97 | | 0.05 | 1.5 | 0.14 | 2.0 | 0.43 | 6.0 | 1.7 | 49 | 0.3 | 8.1 | 5.0 | 70 | 1.05 | 0.35 | | 2.48 | 34.852 | 25.3 | 8.41 | 6.37 | | |
| SSW28* | 12/1/97 | | 0.08 | 2.5 | 0.07 | 1.0 | 0.41 | 5.7 | 6.7 | 188 | 0.3 | 9.9 | 4.8 | 68 | 1.03 | 1.50 | | 2.48 | 34.889 | 24.8 | 8.40 | 6.38 | | |
| SSW28* | 12/11/97 | | 0.07 | 2.2 | 0.01 | 0.1 | 0.15 | 2.1 | 13.6 | 383 | 0.3 | 10.2 | 3.6 | 51 | 0.99 | 1.30 | | 2.49 | 34.965 | 24.4 | 8.43 | 6.65 | | |
| SSW28* | 12/18/97 | | 0.09 | 2.8 | 0.14 | 2.0 | 0.39 | 5.5 | 2.3 | 65 | 0.3 | 9.3 | 3.9 | 54 | 1.01 | 2.10 | | 2.49 | 34.977 | 23.5 | 8.42 | 6.55 | | |
| SSW28* | 12/24/97 | | 0.08 | 2.5 | 0.12 | 1.7 | 0.30 | 4.2 | 8.3 | 234 | 0.4 | 10.8 | 3.7 | 52 | 0.98 | 1.55 | | 2.49 | 34.963 | 23.7 | 8.42 | 6.67 | | |
| SSW28* | 12/29/97 | | 0.09 | 2.8 | 0.06 | 0.8 | 0.31 | 4.3 | 1.1 | 32 | 0.4 | 11.2 | 4.5 | 63 | 1.02 | 1.20 | | 2.49 | 34.963 | 23.1 | 8.44 | 6.69 | | |
| SSW28* | 1/6/98 | | 0.03 | 0.9 | 0.05 | 0.7 | 0.11 | 1.5 | 1.2 | 35 | 0.3 | 8.1 | 4.1 | 57 | 0.97 | 1.70 | | 2.48 | 34.965 | 22.5 | 8.44 | 6.65 | | |
| SSW28* | 1/14/98 | | 0.06 | 1.9 | 0.02 | 0.3 | 0.12 | 1.7 | 1.6 | 46 | 0.3 | 10.5 | 4.3 | 60 | 2.68 | 2.00 | | 2.49 | 34.996 | 25.0 | 8.42 | 7.38 | | |
| SSW28* | 1/22/98 | | 0.10 | 3.1 | 0.03 | 0.4 | 0.09 | 1.3 | 2.0 | 55 | 0.4 | 11.5 | 3.9 | 55 | 0.93 | 1.05 | | 2.49 | 35.007 | 23.9 | 8.42 | 6.92 | | |
| SSW28* | 1/29/98 | | 0.06 | 1.9 | 0.05 | 0.7 | 0.13 | 1.8 | 2.5 | 69 | 0.3 | 9.9 | 4.1 | 58 | 0.94 | 1.85 | | 2.24 | 35.009 | 23.8 | 8.42 | 7.00 | | |
| SSW28* | 2/5/98 | | 0.08 | 2.5 | 0.07 | 1.0 | 0.18 | 2.5 | 2.6 | 73 | 0.2 | 7.4 | 4.3 | 60 | 0.99 | 2.05 | | 2.25 | 35.016 | 23.6 | 8.45 | 6.87 | | |
| SSW28* | 2/9/98 | | 0.06 | 1.9 | 0.08 | 1.1 | 0.21 | 2.9 | 1.4 | 39 | 0.3 | 10.2 | 4.3 | 61 | 0.96 | 0.70 | | 2.25 | 35.043 | 23.0 | 8.45 | 6.92 | | |
| SSW28* | 2/17/98 | | 0.03 | 0.9 | 0.07 | 1.0 | 0.28 | 3.9 | 1.4 | 39 | 0.3 | 9.3 | 4.3 | 60 | 1.03 | 1.10 | | 2.25 | 35.046 | 23.5 | 8.47 | 6.89 | | |
| SSW28* | 2/23/98 | | 0.09 | 2.8 | 0.15 | 2.1 | 0.29 | 4.1 | 2.4 | 68 | 0.3 | 10.2 | 4.4 | 62 | 0.96 | 1.50 | | 2.25 | 35.044 | 22.8 | 8.47 | 6.96 | | |
| SSW28* | 3/5/98 | | 0.09 | 2.8 | 0.19 | 2.7 | 0.21 | 2.9 | 2.2 | 62 | 0.2 | 6.5 | 4.4 | 62 | 0.93 | 0.25 | | 2.25 | 35.033 | 23.8 | 8.25 | 6.77 | | |
| SSW28* | 3/12/98 | | 0.10 | 3.1 | 0.07 | 1.0 | 0.28 | 3.9 | 1.7 | 49 | 0.3 | 9.0 | 4.3 | 60 | 0.98 | 0.70 | | 2.25 | 35.013 | 23.8 | 8.23 | 6.80 | | |
| SSW28* | 3/19/98 | | 0.11 | 3.4 | 0.08 | 1.1 | 0.30 | 4.2 | 2.2 | 62 | 0.4 | 10.8 | 4.5 | 63 | 0.99 | 0.55 | | 2.24 | 34.905 | 24.3 | 8.21 | 6.79 | | |
| SSW28* | 3/25/98 | | 0.09 | 2.8 | 0.08 | 1.1 | 0.37 | 5.2 | 2.7 | 77 | 0.3 | 9.9 | 4.3 | 60 | 0.93 | 0.70 | | 2.25 | 35.053 | 22.2 | 8.22 | 6.91 | | |
| SSW28* | 4/2/98 | | 0.06 | 1.9 | 0.02 | 0.3 | 0.32 | 4.5 | 1.6 | 45 | 0.3 | 9.3 | 4.1 | 58 | 0.96 | 1.00 | | 2.31 | 35.078 | 23.4 | 8.23 | 6.72 | | |
| SSW28* | 4/9/98 | | 0.08 | 2.5 | 0.02 | 0.3 | 0.22 | 3.1 | 1.7 | 48 | 0.4 | 10.8 | 4.3 | 60 | 0.97 | 0.90 | | 2.32 | 35.112 | 23.9 | 8.28 | 6.76 | | |
| SSW28* | 4/16/98 | | 0.08 | 2.5 | 0.06 | 0.8 | 0.12 | 1.7 | 1.6 | 45 | 0.4 | 11.8 | 4.2 | 59 | 1.09 | 1.15 | | 2.32 | 35.060 | 22.7 | 8.24 | 6.85 | | |
| SSW28* | 4/20/98 | | 0.05 | 1.5 | 0.12 | 1.7 | 0.29 | 4.1 | 3.5 | 99 | 0.3 | 9.6 | 4.5 | 63 | 1.03 | 1.15 | | 2.32 | 34.988 | 23.7 | 8.22 | 6.83 | | |
| SSW28* | 4/30/98 | | 0.08 | 2.5 | 0.01 | 0.1 | 0.33 | 4.6 | 4.1 | 114 | 0.4 | 11.8 | 4.1 | 57 | 1.07 | 2.00 | | 2.32 | 35.059 | 23.2 | 8.23 | 6.81 | | |
| SSW28* | 5/7/98 | | 0.06 | 1.9 | 0.08 | 1.1 | 0.16 | 2.2 | 5.1 | 142 | 0.3 | 10.5 | 4.3 | 60 | 1.04 | 1.90 | | 2.32 | 35.102 | 23.6 | 8.23 | 6.81 | | |
| SSW28* | 5/15/98 | | 0.09 | 2.8 | 0.10 | 1.4 | 0.28 | 3.9 | 2.0 | 56 | 0.3 | 10.5 | 5.6 | 79 | 1.07 | 1.95 | | 2.32 | 35.122 | 23.9 | 8.23 | 6.73 | | |
| SSW28* | 5/21/98 | | 0.07 | 2.2 | 0.11 | 1.5 | 0.10 | 1.4 | 1.9 | 54 | 0.4 | 11.2 | 5.2 | 72 | 1.03 | 1.75 | | 2.31 | 35.112 | 22.6 | 8.24 | 6.72 | | |
| SSW28* | 5/28/98 | | 0.07 | 2.2 | 0.06 | 0.8 | 0.16 | 2.2 | 1.9 | 53 | 0.3 | 9.9 | 4.8 | 67 | 0.96 | 0.65 | | 2.32 | 35.154 | 23.0 | 8.24 | 6.84 | | |
| SSW28* | 6/4/98 | | 0.06 | 1.9 | 0.10 | 1.4 | 0.09 | 1.3 | 2.2 | 62 | 0.4 | 10.8 | 4.8 | 68 | 0.99 | 1.10 | | 2.31 | 35.138 | 24.2 | 8.24 | 6.86 | | |
| SSW28* | 6/9/98 | | 0.08 | 2.5 | 0.12 | 1.7 | 0.32 | 4.5 | 2.6 | 72 | 0.4 | 10.8 | 5.0 | 70 | 0.98 | 1.05 | | 2.31 | 35.127 | 24.3 | 8.22 | 6.80 | | |
| SSW28* | 6/17/98 | | 0.12 | 3.7 | 0.09 | 1.3 | 0.32 | 4.5 | 3.2 | 89 | 0.4 | 12.4 | 5.3 | 74 | 1.00 | 2.35 | | 2.31 | 35.075 | 24.7 | 8.22 | 6 | | |

NELHA Water Quality Laboratory

SSW 28"

Intake Depth: 21 m, Offshore Pipe Length: 163 m

| SITE ID | DATE MD/Y | TIME (2400) | PO ₄ ³⁻ (µM) | (µg P/L) | NO ₃ ⁻ & NO ₂ ⁻ (µM) | (µg N/L) | NH ₄ ⁺ & NH ₃ (µM) | (µg N/L) | Si (µM) | (µg Si/L) | TDP (µg P/L) | (µM) | TDN (µg N/L) | (µM) | TOC (mgC/L) | TSS (mg/L) | Turbidity (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL |
|---------|--------------|----------------|---------------------------------------|----------|---|----------|--|----------|------------|-----------|-----------------|------|-----------------|------|----------------|---------------|--------------------|----------------|-------------------|--------------|--------------|-------------|---------------------|---|
| SSW28* | 7/1/98 | | 0.11 | 3.4 | 0.09 | 1.3 | 0.02 | 0.3 | 2.8 | 79 | 0.4 | 12.7 | 5.1 | 71 | 0.96 | 1.15 | | 2.35 | 35.032 | 24.8 | 8.22 | 6.77 | | |
| SSW28* | 7/9/98 | | 0.07 | 2.2 | 0.04 | 0.6 | 0.11 | 1.5 | 2.1 | 58 | 0.4 | 12.1 | 4.7 | 66 | 0.94 | 1.30 | | 2.32 | 35.048 | 25.1 | 8.22 | 6.65 | | |
| SSW28* | 7/16/98 | | 0.08 | 2.5 | 0.09 | 1.3 | 0.27 | 3.8 | 4.3 | 120 | 0.4 | 11.2 | 5.0 | 70 | 1.00 | 0.05 | | 2.33 | 35.016 | 26.6 | 8.24 | 6.72 | | |
| SSW28* | 7/23/98 | | 0.08 | 2.5 | 0.04 | 0.6 | 0.34 | 4.8 | 1.6 | 44 | 0.3 | 10.5 | 5.0 | 70 | 1.11 | 1.80 | | 2.32 | 35.015 | 25.7 | 8.23 | 6.68 | | |
| SSW28* | 7/29/98 | | 0.07 | 2.2 | 0.04 | 0.6 | 0.18 | 2.5 | 1.7 | 47 | 0.3 | 9.3 | 5.0 | 70 | 1.05 | 0.90 | | 2.36 | 35.105 | 24.8 | 8.23 | 6.73 | | |
| SSW28* | 8/4/98 | | 0.10 | 3.1 | 0.08 | 1.1 | 0.12 | 1.7 | 2.4 | 68 | 0.4 | 13.0 | 5.3 | 74 | 1.06 | 1.00 | | 2.35 | 35.040 | 25.1 | 8.21 | 6.64 | | |
| SSW28* | 8/13/98 | | 0.08 | 2.5 | 0.03 | 0.4 | 0.14 | 2.0 | 2.2 | 62 | 0.4 | 11.8 | 5.4 | 76 | 1.08 | 0.45 | | 2.32 | 35.053 | 25.8 | 8.20 | 6.73 | | |
| SSW28* | 8/19/98 | | 0.06 | 1.9 | 0.06 | 0.8 | 0.15 | 2.1 | 2.4 | 67 | 0.4 | 11.2 | 5.3 | 74 | 1.10 | 2.05 | | 2.32 | 35.073 | 26.0 | 8.20 | 6.57 | | |
| SSW28* | 8/26/98 | | 0.09 | 2.8 | 0.03 | 0.4 | 0.15 | 2.1 | 1.5 | 43 | 0.4 | 12.4 | 5.2 | 73 | 1.08 | 1.00 | | 2.31 | 35.018 | 25.3 | 8.22 | 6.59 | | |
| SSW28* | 9/3/98 | | 0.09 | 2.8 | 0.07 | 1.0 | 0.12 | 1.7 | 2.3 | 64 | 0.4 | 12.1 | 5.5 | 77 | 1.03 | 3.35 | | 2.34 | 35.025 | 26.5 | 8.21 | 6.44 | | |
| SSW28* | 9/10/98 | | 0.10 | 3.1 | 0.02 | 0.3 | 0.07 | 1.0 | 1.9 | 54 | 0.4 | 13.6 | 5.6 | 78 | 1.12 | 1.45 | | 2.34 | 35.033 | 26.8 | 8.22 | 6.49 | | |
| SSW28* | 9/17/98 | | 0.07 | 2.2 | 0.09 | 1.3 | 0.09 | 1.3 | 3.4 | 96 | 0.4 | 10.8 | 5.0 | 70 | 1.09 | 1.25 | | 2.33 | 35.055 | 26.9 | 8.22 | 6.54 | | |
| SSW28* | 9/24/98 | | 0.06 | 1.9 | 0.04 | 0.6 | 0.07 | 1.0 | 4.6 | 130 | 0.4 | 11.5 | 5.0 | 71 | 1.08 | 1.95 | | 2.34 | 35.017 | 26.8 | 8.23 | 6.54 | | |
| SSW28* | 10/1/98 | | 0.06 | 1.9 | 0.02 | 0.3 | 0.06 | 0.8 | 2.2 | 62 | 0.4 | 11.5 | 4.8 | 68 | 1.25 | 1.50 | | 2.38 | 35.130 | 26.7 | 8.23 | 7.01 | | |
| SSW28* | 10/8/98 | | 0.10 | 3.1 | 0.11 | 1.5 | 0.27 | 3.8 | 4.1 | 115 | 0.3 | 10.5 | 4.6 | 65 | 1.15 | 2.60 | | 2.36 | 35.097 | 25.6 | 8.22 | 6.88 | | |
| SSW28* | 10/14/98 | | 0.04 | 1.2 | 0.04 | 0.6 | 0.17 | 2.4 | 2.0 | 57 | 0.3 | 9.9 | 4.9 | 68 | 1.13 | 2.60 | | 2.32 | 35.130 | 25.6 | 8.23 | 6.88 | | |
| SSW28* | 10/21/98 | | 0.10 | 3.1 | 0.01 | 0.1 | 0.16 | 2.2 | 2.5 | 69 | 0.4 | 10.8 | 4.8 | 67 | 1.14 | 4.05 | | 2.32 | 35.127 | 26.1 | 8.24 | 6.96 | | |
| SSW28* | 10/27/98 | | 0.09 | 2.8 | 0.02 | 0.3 | 0.09 | 1.3 | 2.2 | 63 | 0.4 | 11.2 | 5.6 | 78 | 1.21 | 2.70 | | 2.31 | 35.163 | 25.2 | 8.26 | 6.94 | | |
| SSW28* | 11/6/98 | | 0.08 | 2.5 | 0.01 | 0.1 | 0.11 | 1.5 | 3.5 | 98 | 0.3 | 10.5 | 4.3 | 61 | 1.18 | 2.70 | | 2.27 | 34.998 | 26.4 | 8.24 | 6.59 | | |
| SSW28* | 11/9/98 | | 0.10 | 3.1 | 0.09 | 1.3 | 0.05 | 0.7 | 2.3 | 65 | 0.4 | 11.5 | 5.1 | 71 | 1.17 | 2.80 | | 2.27 | 34.832 | 26.3 | 8.26 | 8.57 | | |
| SSW28* | 11/18/98 | | 0.07 | 2.2 | 0.04 | 0.6 | 0.15 | 2.1 | 14.3 | 402 | 0.3 | 9.3 | 5.8 | 81 | 1.20 | 2.40 | | 2.27 | 35.111 | 25.8 | 8.25 | 6.57 | | |
| SSW28* | 11/23/98 | | 0.07 | 2.2 | 0.02 | 0.3 | 0.09 | 1.3 | 2.0 | 56 | 0.3 | 9.3 | 5.2 | 73 | 1.22 | 2.80 | | 2.27 | 35.177 | 25.8 | 8.24 | 6.56 | | |
| SSW28* | 11/30/98 | | 0.07 | 2.2 | 0.02 | 0.3 | 0.10 | 1.4 | 2.8 | 78 | 0.3 | 9.0 | 4.9 | 68 | 1.15 | 2.00 | | 2.28 | 35.127 | 25.2 | 8.26 | 7.71 | | |
| SSW28* | 12/8/98 | | 0.07 | 2.2 | 0.05 | 0.7 | 0.12 | 1.7 | 18.5 | 520 | 0.3 | 9.6 | 5.8 | 81 | 1.17 | 2.65 | | 2.23 | 35.156 | 24.2 | 8.24 | 6.59 | | |
| SSW28* | 12/17/98 | | 0.05 | 1.5 | 0.01 | 0.1 | 0.04 | 0.6 | 1.9 | 53 | 0.3 | 10.2 | 4.5 | 63 | 1.13 | 1.90 | | 2.22 | 35.102 | 25.1 | 8.24 | 6.68 | | |
| SSW28* | 12/21/98 | | 0.06 | 1.9 | 0.11 | 1.5 | 0.11 | 1.5 | 2.3 | 65 | 0.4 | 10.8 | 5.0 | 70 | 1.18 | 2.90 | | 2.21 | 35.070 | 24.9 | 8.25 | 6.60 | | |
| SSW28* | 12/29/98 | | 0.09 | 2.8 | 0.18 | 2.5 | 0.18 | 2.5 | 2.2 | 63 | 0.4 | 10.8 | 6.3 | 88 | 1.23 | 2.25 | | 2.22 | 35.079 | 24.8 | 8.22 | 6.77 | | |
| SSW28* | 1/5/99 | | 0.07 | 2.2 | 0.01 | 0.1 | 0.15 | 2.1 | 2.4 | 67 | 0.4 | 11.2 | 4.6 | 64 | 1.13 | 2.75 | | 2.21 | 35.086 | 24.7 | 8.24 | 6.74 | | |
| SSW28* | 1/14/99 | | 0.07 | 2.2 | 0.04 | 0.6 | 0.03 | 0.4 | 2.1 | 59 | 0.3 | 9.3 | 4.5 | 64 | 1.12 | 1.85 | | 2.23 | 35.104 | 24.8 | 8.23 | 6.80 | | |
| SSW28* | 1/21/99 | | 0.06 | 1.9 | 0.02 | 0.3 | 0.10 | 1.4 | 2.1 | 60 | 0.4 | 11.2 | 4.4 | 62 | 1.12 | 2.15 | | 2.20 | 35.170 | 24.4 | 8.22 | 8.14 | | |
| SSW28* | 1/26/99 | | 0.07 | 2.2 | 0.01 | 0.1 | 0.07 | 1.0 | 1.7 | 49 | 0.3 | 9.6 | 4.6 | 64 | 1.13 | 3.00 | | 2.19 | 35.117 | 24.5 | 8.26 | 6.92 | | |
| SSW28* | 2/4/99 | | 0.09 | 2.8 | 0.01 | 0.1 | 0.20 | 2.8 | 2.4 | 68 | 0.3 | 9.0 | 4.4 | 62 | 1.10 | 3.45 | | 2.18 | 35.118 | 23.8 | 8.22 | 6.75 | | |
| SSW28* | 2/11/99 | | 0.11 | 3.4 | 0.08 | 1.1 | 0.23 | 3.2 | 1.9 | 53 | 0.4 | 10.8 | 3.9 | 55 | 0.97 | 2.40 | | 2.18 | 35.038 | 23.9 | 8.23 | 7.55 | | |
| SSW28* | 2/18/99 | | 0.12 | 3.7 | 0.03 | 0.4 | 0.01 | 0.1 | 2.2 | 60 | 0.3 | 10.2 | 4.1 | 57 | 0.93 | 2.45 | | 2.16 | 34.990 | 23.9 | 8.23 | 7.54 | | |
| SSW28* | 2/23/99 | | 0.09 | 2.8 | 0.06 | 0.8 | 0.02 | 0.3 | 2.3 | 65 | 0.3 | 9.9 | 4.2 | 59 | 0.96 | 2.90 | | 2.17 | 35.039 | 23.4 | 8.23 | 7.47 | | |
| SSW28* | 3/3/99 | | 0.04 | 1.2 | 0.07 | 1.0 | 0.16 | 2.2 | 2.2 | 62 | 0.2 | 7.1 | 6.0 | 83 | 1.17 | 3.20 | | 2.17 | 35.035 | 23.7 | 8.22 | 7.44 | | |
| SSW28* | 3/9/99 | | 0.08 | 2.5 | 0.04 | 0.6 | 0.13 | 1.8 | 2.8 | 77 | 0.3 | 9.3 | 4.7 | 66 | 1.04 | 1.90 | | 2.15 | 35.038 | 24.4 | 8.22 | 6.88 | | |
| SSW28* | 3/18/99 | | 0.11 | 3.4 | 0.02 | 0.3 | 0.05 | 0.7 | 4.6 | 130 | 0.3 | 9.9 | 4.0 | 55 | 0.96 | 2.45 | | 2.14 | 34.846 | 24.0 | 8.24 | 6.87 | | |
| SSW28* | 3/24/99 | | 0.13 | 4.0 | 0.02 | 0.3 | 0.14 | 2.0 | 6.9 | 194 | 0.4 | 11.8 | 4.3 | 61 | 1.06 | 1.65 | | 2.13 | 34.732 | 23.9 | 8.23 | 6.91 | | |
| SSW28* | 3/30/99 | | 0.14 | 4.3 | 0.07 | 1.0 | 0.18 | 2.5 | 4.1 | 115 | 0.3 | 10.2 | 5.4 | 76 | 1.06 | 1.80 | | 2.14 | 34.778 | 23.6 | 8.23 | 6.97 | | |
| SSW28* | 4/7/99 | | 0.12 | 3.7 | 0.02 | 0.3 | 0.04 | 0.6 | 3.5 | 98 | 0.4 | 10.8 | 4.5 | 63 | 0.95 | 2.35 | | 2.16 | 34.689 | 24.2 | 8.21 | 6.86 | | |
| SSW28* | 4/14/99 | | 0.08 | 2.5 | 0.02 | 0.3 | 0.05 | 0.7 | 1.8 | 50 | 0.4 | 10.8 | 3.9 | 55 | 0.96 | 2.35 | | 2.16 | 34.755 | 23.9 | 8.22 | 6.90 | | |
| SSW28* | 4/21/99 | | 0.13 | 4.0 | 0.18 | 2.5 | 0.18 | 2.5 | 2.4 | 68 | 0.3 | 10.2 | 4.3 | 61 | 0.97 | 1.65 | | 2.16 | 34.889 | 23.8 | 8.22 | 7.70 | | |
| SSW28* | 4/29/99 | | 0.12 | 3.7 | 0.19 | 2.7 | 0.13 | 1.8 | 3.9 | 108 | 0.3 | 10.2 | 4.7 | 66 | 1.08 | 2.60 | | 2.14 | 34.366 | 24.1 | 8.21 | 6.80 | | |
| SSW28* | 5/5/99 | | 0.08 | 2.5 | 0.07 | 1.0 | 0.43 | 6.0 | 2.4 | 66 | 0.3 | 10.5 | 5.1 | 71 | 1.03 | 1.20 | | 2.14 | 34.396 | 24.6 | 8.20 | 6.86 | | |
| SSW28* | 5/12/99 | | 0.10 | 3.1 | 0.15 | 2.1 | 0.09 | 1.3 | 2.8 | 78 | 0.3 | 9.3 | 4.3 | 61 | 0.97 | 1.90 | | 2.17 | 34.393 | 24.8 | 8.20 | 6.81 | | |
| SSW28* | 5/20/99 | | 0.13 | 4.0 | 0.22 | 3.1 | 0.09 | 1.3 | 2.4 | 66 | 0.4 | 10.8 | 4.4 | 62 | 0.98 | 3.60 | | 2.18 | 34.384 | 25.1 | 8.20 | 6.86 | | |
| SSW28* | 5/24/99 | | 0.17 | 5.3 | 0.35 | 4.9 | 0.11 | 1.5 | 2.3 | 65 | 0.3 | 10.2 | 6.0 | 84 | 1.16 | 2.00 | | 2.16 | 34.408 | 25.4 | 8.22 | 6.86 | | |
| SSW28* | 6/3/99 | | 0.16 | 5.0 | 0.19 | 2.7 | 0.13 | 1.8 | 1.9 | 52 | 0.4 | 11.5 | 5.0 | 70 | 1.01 | 2.20 | | 2.15 | 34.383 | 24.4 | 8.21 | 6.74 | | |
| SSW28* | 6/9/99 | | 0.18 | 5.6 | 0.33 | 4.6 | 0.26 | 3.6 | 1.9 | 53 | 0.4 | 13.6 | 4.9 | 69 | 1.00 | 3.15 | | 2.14 | 34.378 | 26.1 | 8.22 | 7.01 | | |
| SSW28* | 6/16/99 | | 0.12 | 3.7 | 0.17 | 2.4 | 0.13 | 1.8 | 3.2 | 90 | 0.4 | 11.5 | 4.7 | | | | | | | | | | | |

NELHA Water Quality Laboratory

SSW 28"

Intake Depth: 21 m, Offshore Pipe Length: 163 m

| SITE ID | DATE MD/Y | TIME (2400) | PO ₄ ³⁻ (µM) | (µg P/L) | NO ₃ ⁻ & NO ₂ ⁻ (µM) | (µg N/L) | NH ₄ ⁺ & NH ₃ (µM) | (µg N/L) | Si (µM) | (µg Si/L) | TDP (µg P/L) | (µM) | TDN (µg N/L) | (µM) | TOC (mgC/L) | TSS (mg/L) | Turbidity (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL |
|---------|--------------|----------------|---------------------------------------|----------|---|----------|--|----------|------------|-----------|-----------------|------|-----------------|------|----------------|---------------|--------------------|----------------|-------------------|--------------|--------------|-------------|---------------------|---|
| SSW28* | 7/8/99 | | 0.12 | 3.7 | 0.18 | 2.5 | 0.05 | 0.7 | 2.4 | 66 | 0.4 | 12.1 | 5.4 | 75 | 1.03 | 1.80 | | 2.40 | 34.041 | 26.2 | 8.20 | 6.58 | | |
| SSW28* | 7/12/99 | | 0.11 | 3.4 | 0.14 | 2.0 | 0.08 | 1.1 | 1.8 | 51 | 0.4 | 12.4 | 6.0 | 84 | 1.07 | 2.25 | | 2.27 | 34.965 | 26.0 | 8.22 | 6.63 | | |
| SSW28* | 7/20/99 | | 0.12 | 3.7 | 0.22 | 3.1 | 0.33 | 4.6 | 2.3 | 63 | 0.4 | 12.1 | 5.2 | 73 | 0.98 | 2.05 | | 2.37 | 34.917 | 27.8 | 8.22 | 6.63 | | |
| SSW28* | 7/27/99 | | 0.11 | 3.4 | 0.08 | 1.1 | 0.23 | 3.2 | 1.7 | 48 | 0.4 | 11.2 | 4.8 | 68 | 1.09 | 2.45 | | 2.30 | 34.872 | 26.2 | 8.25 | 6.86 | | |
| SSW28* | 8/5/99 | | 0.14 | 4.3 | 0.10 | 1.4 | 0.25 | 3.5 | 2.6 | 74 | 0.4 | 12.4 | 5.1 | 71 | 1.03 | 1.80 | | 2.17 | 34.882 | 26.5 | 8.24 | 6.65 | | |
| SSW28* | 8/11/99 | | 0.11 | 3.4 | 0.17 | 2.4 | 0.28 | 3.9 | 3.4 | 94 | 0.4 | 11.5 | 3.7 | 52 | 0.98 | 2.80 | | 2.29 | 34.927 | 26.2 | 8.44 | 6.55 | | |
| SSW28* | 8/18/99 | | 0.16 | 5.0 | 0.14 | 2.0 | 0.28 | 3.9 | 2.0 | 56 | 0.4 | 11.8 | 4.8 | 68 | 1.08 | 3.35 | | 2.24 | 34.892 | 25.5 | 8.29 | 6.61 | | |
| SSW28* | 8/24/99 | | 0.09 | 2.8 | 0.06 | 0.8 | 0.02 | 0.3 | 2.3 | 66 | 0.3 | 10.2 | 4.5 | 63 | 1.02 | 1.75 | | 2.38 | 34.910 | 26.4 | 8.26 | 6.56 | | |
| SSW28* | 8/31/99 | | 0.12 | 3.7 | 0.05 | 0.7 | 0.20 | 2.8 | 2.9 | 81 | 0.3 | 9.6 | 5.0 | 70 | 1.08 | 2.25 | | 2.42 | 34.926 | 26.2 | 8.31 | 6.50 | | |
| SSW28* | 9/8/99 | | 0.16 | 5.0 | 0.15 | 2.1 | 0.02 | 0.3 | 2.3 | 63 | 0.4 | 11.2 | 5.5 | 76 | 1.06 | 2.60 | | 2.45 | 35.033 | 26.3 | 8.29 | 6.57 | | |
| SSW28* | 9/15/99 | | 0.16 | 5.0 | 0.13 | 1.8 | 0.05 | 0.7 | 1.6 | 44 | 0.4 | 13.0 | 4.6 | 65 | 1.03 | 1.85 | | 2.35 | 34.495 | 26.1 | 8.27 | 6.59 | | |
| SSW28* | 9/20/99 | | 0.13 | 4.0 | 0.08 | 1.1 | 0.11 | 1.5 | 2.4 | 67 | 0.4 | 11.5 | 5.5 | 77 | 1.13 | 2.75 | | 2.34 | 35.005 | 27.2 | 8.29 | 6.63 | | |
| SSW28* | 9/30/99 | | 0.11 | 3.4 | 0.09 | 1.3 | 0.12 | 1.7 | 1.9 | 53 | 0.3 | 10.2 | 4.8 | 68 | 1.03 | 5.05 | | 2.40 | 35.003 | 26.0 | 8.29 | 6.76 | | |
| SSW28* | 10/12/99 | | 0.07 | 2.2 | 0.05 | 0.7 | 0.23 | 3.2 | 2.9 | 82 | 0.2 | 7.4 | 5.1 | 71 | 1.06 | 1.75 | | 2.23 | 35.038 | 25.9 | 8.27 | 6.74 | | |
| SSW28* | 11/3/99 | | 0.10 | 3.1 | 0.06 | 0.8 | 0.23 | 3.2 | 2.0 | 56 | 0.3 | 9.6 | 5.0 | 70 | 1.01 | 2.80 | | 2.23 | 35.085 | 26.1 | 8.28 | 6.46 | | |
| SSW28* | 12/15/99 | | 0.09 | 2.8 | 0.07 | 1.0 | 0.08 | 1.1 | 3.1 | 88 | 0.3 | 8.7 | 5.5 | 77 | 0.98 | 2.75 | | 2.22 | 35.128 | 24.7 | 8.21 | 6.29 | | |
| SSW28* | 1/10/00 | | 0.07 | 2.2 | 0.19 | 2.7 | 0.16 | 2.2 | 3.4 | 95 | 0.3 | 9.0 | 5.2 | 73 | 0.94 | 1.15 | | 2.38 | 35.126 | 25.1 | 8.23 | 6.79 | | |
| SSW28* | 2/7/00 | | 0.11 | 3.4 | 0.06 | 0.8 | 0.34 | 4.8 | 2.3 | 65 | 0.4 | 10.8 | 5.0 | 69 | 0.99 | 2.20 | | 2.32 | 35.129 | 23.4 | 8.26 | 6.74 | | |
| SSW28* | 3/1/00 | | 0.21 | 6.5 | 0.35 | 4.9 | 0.27 | 3.8 | 5.8 | 163 | 0.4 | 12.4 | 4.9 | 69 | 1.08 | 2.35 | | 2.28 | 34.822 | 23.9 | 8.26 | 6.69 | | |
| SSW28* | 4/10/00 | | 0.16 | 5.0 | 0.17 | 2.4 | 0.06 | 0.8 | 7.6 | 215 | 0.3 | 9.6 | 5.2 | 73 | 1.03 | 2.55 | | 2.25 | 34.932 | 23.8 | 8.26 | 6.66 | | |
| SSW28* | 5/15/00 | | 0.08 | 2.5 | 0.08 | 1.1 | 0.10 | 1.4 | 1.7 | 47 | 0.3 | 9.9 | 5.0 | 70 | 1.01 | 2.35 | | 2.23 | 34.721 | 25.0 | 8.27 | 6.71 | | |
| SSW28* | 6/6/00 | | 0.13 | 4.0 | 0.03 | 0.4 | 0.01 | 0.1 | 2.0 | 56 | 0.2 | 6.8 | 5.2 | 72 | 1.01 | 2.15 | | 2.24 | 34.725 | 25.5 | 8.25 | 6.67 | | |
| SSW28* | 7/26/00 | | 0.11 | 3.4 | 0.16 | 2.2 | 0.09 | 1.3 | 3.1 | 88 | 0.2 | 12.1 | 5.1 | 71 | 0.97 | 2.30 | | 2.27 | 34.899 | 26.2 | 8.27 | 6.50 | | |
| SSW28* | 8/30/00 | | 0.09 | 2.8 | 0.08 | 1.1 | 0.09 | 1.3 | 2.3 | 63 | 0.3 | 9.3 | 5.4 | 75 | 0.98 | 2.20 | | 2.38 | 34.958 | 26.4 | 8.22 | 6.32 | | |
| SSW28* | 9/6/00 | | 0.11 | 3.4 | 0.03 | 0.4 | 0.08 | 1.1 | 1.7 | 48 | 0.3 | 9.6 | 5.3 | 74 | 0.98 | 3.30 | | 2.42 | 34.955 | 25.5 | 8.23 | 6.50 | | |
| SSW28* | 10/20/00 | | 0.15 | 4.6 | 0.41 | 5.7 | 0.11 | 1.5 | 3.9 | 110 | 0.4 | 11.5 | 5.3 | 75 | 0.97 | 3.00 | | 2.40 | 34.912 | 26.4 | 8.26 | 6.35 | | |
| SSW28* | 11/14/00 | | 0.13 | 4.0 | 0.09 | 1.3 | 0.32 | 4.5 | 2.8 | 78 | 0.3 | 8.7 | 4.9 | 68 | 1.32 | 2.65 | | 2.38 | 35.054 | 27.1 | 8.24 | 6.31 | | |
| SSW28* | 12/20/00 | | 0.13 | 4.0 | 0.28 | 3.9 | 0.30 | 4.2 | 4.0 | 112 | 0.3 | 10.5 | 5.6 | 79 | 1.19 | 2.70 | | 2.27 | 34.785 | 24.0 | 8.26 | 6.43 | | |
| SSW28* | 1/23/01 | | 0.14 | 4.3 | 0.03 | 0.4 | 0.13 | 1.8 | 3.2 | 89 | 0.3 | 10.5 | 5.2 | 73 | 1.12 | 2.65 | | 2.28 | 34.789 | 24.5 | 8.23 | 6.27 | | |
| SSW28* | 2/5/01 | | 0.13 | 4.0 | 0.04 | 0.6 | 0.11 | 1.5 | 2.6 | 72 | 0.3 | 9.6 | 5.1 | 71 | 1.03 | 2.65 | | 2.30 | 34.957 | 23.6 | 8.22 | 6.25 | | |
| SSW28* | 3/5/01 | | 0.15 | 4.6 | 0.15 | 2.1 | 0.17 | 2.4 | 5.1 | 142 | 0.4 | 13.3 | 5.1 | 72 | 1.02 | 1.85 | | 2.27 | 34.734 | 24.1 | 8.19 | 6.18 | | |
| SSW28* | 4/16/01 | | 0.09 | 2.8 | 0.12 | 1.7 | 0.04 | 0.6 | 11.8 | 333 | 0.3 | 10.5 | 4.5 | 63 | 1.03 | 2.45 | | 2.28 | 34.778 | 24.2 | 8.21 | 6.93 | | |
| SSW28* | 5/9/01 | | 0.14 | 4.3 | 0.14 | 2.0 | 0.42 | 5.9 | 5.2 | 146 | 0.5 | 14.2 | 5.5 | 77 | 1.02 | 2.00 | | 2.26 | 34.761 | 24.8 | 8.20 | 6.67 | | |
| SSW28* | 6/8/01 | | 0.14 | 4.3 | 0.15 | 2.1 | 0.18 | 2.5 | 2.8 | 78 | 0.3 | 10.5 | 6.0 | 84 | 1.11 | 2.65 | | 2.28 | 34.794 | 25.9 | 8.22 | 6.54 | | |
| SSW28* | 7/24/01 | | 0.17 | 5.3 | 0.15 | 2.1 | 0.05 | 0.7 | 1.9 | 52 | 0.4 | 11.8 | 4.7 | 65 | 0.91 | 2.20 | | 2.26 | 34.766 | 25.6 | 8.20 | 6.52 | | |
| SSW28* | 8/22/01 | | 0.19 | 5.9 | 0.21 | 2.9 | 0.05 | 0.7 | 3.7 | 104 | 0.4 | 12.7 | 4.7 | 66 | 0.93 | 2.80 | | 2.25 | 34.852 | 26.1 | 8.17 | 6.32 | | |
| SSW28* | 9/18/01 | | 0.17 | 5.3 | 0.22 | 3.1 | 0.11 | 1.5 | 1.6 | 45 | 0.4 | 11.5 | 5.5 | 76 | 0.99 | 2.15 | | 2.31 | 34.940 | 26.4 | 8.21 | 6.33 | | |
| SSW28* | 10/9/01 | | 0.17 | 5.3 | 0.35 | 4.9 | 0.11 | 1.5 | 1.6 | 45 | 0.4 | 11.5 | 5.8 | 81 | 0.99 | 2.95 | | 2.28 | 34.941 | 26.3 | 8.19 | 6.97 | | |
| SSW28* | 11/6/01 | | 0.23 | 7.1 | 0.25 | 3.5 | 0.02 | 0.3 | 2.9 | 81 | 0.4 | 13.6 | 5.7 | 80 | 1.02 | 2.95 | | 2.30 | 34.951 | 25.9 | 8.22 | 6.40 | | |
| SSW28* | 12/18/01 | | 0.11 | 3.4 | 0.22 | 3.1 | 0.22 | 3.1 | 1.6 | 44 | 0.3 | 9.3 | 5.4 | 76 | 0.98 | 2.45 | | 2.28 | 34.988 | 25.0 | 8.21 | 6.54 | | |
| SSW28* | 1/8/02 | | 0.20 | 6.2 | 0.26 | 3.6 | 0.29 | 4.1 | 4.7 | 131 | 0.4 | 12.4 | 5.2 | 72 | 1.05 | 2.80 | | 2.27 | 34.832 | 25.1 | 8.22 | 6.29 | | |
| SSW28* | 2/27/02 | | 0.17 | 5.3 | 0.15 | 2.1 | 0.09 | 1.3 | 8.8 | 247 | 0.4 | 11.8 | 6.3 | 88 | 1.09 | 2.35 | | 2.34 | 34.913 | 23.5 | 8.22 | 6.24 | | |
| SSW28* | 3/19/02 | | 0.12 | 3.7 | 0.20 | 2.8 | 0.16 | 2.2 | 1.6 | 44 | 0.4 | 11.8 | 5.4 | 75 | 0.89 | 1.35 | | 2.32 | 34.601 | 23.9 | 8.23 | 6.30 | | |
| SSW28* | 4/9/02 | | 0.19 | 5.9 | 0.28 | 3.9 | 0.11 | 1.5 | 5.1 | 143 | 0.4 | 11.8 | 5.3 | 75 | 0.87 | 2.20 | | 2.31 | 34.577 | 24.7 | 8.19 | 6.18 | | |
| SSW28* | 5/21/02 | | 0.15 | 4.6 | 0.08 | 1.1 | 0.10 | 1.4 | 1.2 | 33 | 0.4 | 11.5 | 6.3 | 88 | 1.02 | 2.05 | | 2.35 | 34.731 | 25.6 | 8.22 | 6.74 | | |
| SSW28* | 6/18/02 | | 0.16 | 5.0 | 0.30 | 4.2 | 0.12 | 1.7 | 2.6 | 72 | 0.4 | 11.2 | 5.7 | 80 | 0.86 | 0.65 | | 2.31 | 34.574 | 26.2 | 8.21 | 6.38 | | |

NELHA Water Quality Laboratory

SSW 28"

Intake Depth: 21 m, Offshore Pipe Length: 163 m

| SITE ID | DATE MM/DD | TIME (2400) | PO ₄ ³⁻ (µM) | (µg P/L) | NO ₃ ⁻ & NO ₂ ⁻ (µM) | (µg N/L) | NH ₄ ⁺ & NH ₃ (µM) | (µg N/L) | Si (µM) | (µg Si/L) | TDP (µg P/L) | (µM) | TDN (µg N/L) | (µM) | TOC (mgC/L) | TSS (mg/L) | Turbidity (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL | |
|---------|---------------|----------------|---------------------------------------|----------|---|----------|--|----------|------------|-----------|-----------------|------|-----------------|------|----------------|---------------|--------------------|----------------|-------------------|--------------|--------------|-------------|---------------------|---|--|
| SSW28* | 7/17/02 | | 0.11 | 3.4 | 0.15 | 2.1 | 0.13 | 1.8 | 2.1 | 59 | 0.3 | 9.6 | 6.9 | 97 | 1.04 | 2.25 | | 2.32 | 34.875 | 25.9 | 8.23 | 6.48 | | | |
| SSW28* | 8/22/02 | | 0.12 | 3.7 | 0.14 | 2.0 | 0.18 | 2.5 | 4.2 | 117 | 0.3 | 10.5 | 6.3 | 88 | 0.91 | 2.30 | | 2.35 | 34.792 | 26.9 | 8.22 | 6.44 | | | |
| SSW28* | 9/24/02 | | 0.11 | 3.4 | 0.11 | 1.5 | 0.23 | 3.2 | 1.7 | 47 | 0.3 | 9.6 | 4.7 | 66 | 0.97 | 1.90 | | 2.35 | 34.930 | 26.0 | 8.25 | 6.58 | | | |
| SSW28* | 10/16/02 | | 0.08 | 2.5 | 0.16 | 2.2 | 0.32 | 4.5 | 1.6 | 45 | 0.4 | 12.1 | 5.5 | 77 | 0.96 | 1.60 | | 2.35 | 34.920 | 26.5 | 8.24 | 6.43 | | | |
| SSW28* | 11/6/02 | | 0.17 | 5.3 | 0.27 | 3.8 | 0.24 | 3.4 | 1.9 | 54 | 0.4 | 11.2 | 5.7 | 79 | 0.92 | 1.15 | | 2.35 | 34.889 | 24.2 | 8.23 | 6.33 | | | |
| SSW28* | 12/19/02 | | 0.17 | 5.3 | 0.30 | 4.2 | 0.05 | 0.7 | 1.0 | 29 | 0.3 | 10.5 | 5.5 | 78 | 0.89 | 2.50 | | 2.36 | 35.017 | 23.7 | 8.24 | 6.53 | | | |
| SSW28* | 1/29/03 | | 0.18 | 5.6 | 0.40 | 5.6 | 0.10 | 1.4 | 11.2 | 315 | 0.3 | 10.5 | 4.8 | 67 | 0.88 | 1.85 | | 2.36 | 35.084 | 23.3 | 8.24 | 7.34 | | | |
| SSW28* | 2/10/03 | | 0.10 | 3.1 | 0.12 | 1.7 | 0.02 | 0.3 | 7.8 | 219 | 0.4 | 10.8 | 5.3 | 75 | 0.78 | 1.90 | | 2.33 | 34.617 | 23.1 | 8.25 | 6.66 | | | |
| SSW28* | 3/18/03 | | 0.15 | 4.6 | 0.10 | 1.4 | 0.05 | 0.7 | 2.1 | 58 | 0.4 | 11.2 | 2.6 | 37 | 0.84 | 1.95 | | 2.29 | 34.802 | 26.1 | 8.24 | 6.69 | | | |
| SSW28* | 4/29/03 | | 0.18 | 5.6 | 0.20 | 2.8 | 0.12 | 1.7 | 5.0 | 140 | 0.5 | 13.9 | 3.3 | 46 | 1.05 | 1.75 | | 2.30 | 34.778 | 24.7 | 8.27 | 7.09 | | | |
| SSW28* | 5/13/03 | | 0.16 | 5.0 | 0.31 | 4.3 | 0.05 | 0.7 | 15.0 | 422 | 0.4 | 11.8 | 5.3 | 74 | 1.03 | 1.65 | | 2.26 | 34.659 | 24.9 | 8.27 | 6.62 | | | |
| SSW28* | 6/5/03 | | 0.15 | 4.6 | 0.04 | 0.6 | 0.07 | 1.0 | 5.4 | 152 | 0.4 | 11.5 | 4.8 | 67 | 1.10 | 1.90 | | 2.27 | 34.625 | 26.7 | 8.27 | 6.74 | | | |
| SSW28* | 7/31/03 | | 0.14 | 4.3 | 0.37 | 5.2 | 0.10 | 1.4 | 4.1 | 114 | 0.4 | 11.5 | 5.3 | 75 | | 2.15 | | 2.27 | 34.826 | 27.0 | 8.23 | 6.76 | | | |
| SSW28* | 8/27/03 | | 0.11 | 3.4 | 0.33 | 4.6 | 0.05 | 0.7 | 2.2 | 61 | 0.4 | 11.2 | 6.1 | 85 | | 2.30 | | 2.24 | 34.820 | 27.3 | 8.25 | 6.43 | | | |
| SSW28* | 9/17/03 | | 0.11 | 3.4 | 0.42 | 5.9 | 0.03 | 0.4 | 2.0 | 55 | 0.5 | 13.9 | 6.3 | 88 | | 3.30 | | 2.29 | 34.692 | 26.9 | 8.23 | 6.42 | | | |
| SSW28* | 10/7/03 | | 0.14 | 4.3 | 0.33 | 4.6 | 0.23 | 3.2 | 1.8 | 50 | 0.4 | 12.1 | 7.1 | 99 | | 2.35 | | 2.32 | 34.766 | 26.6 | 8.23 | NA | | | |
| SSW28* | 11/4/03 | | 0.14 | 4.3 | 0.26 | 3.6 | 0.05 | 0.7 | 3.6 | 100 | 0.4 | 12.4 | 6.1 | 86 | | 2.60 | | 2.29 | 34.706 | 26.1 | 8.24 | NA | | | |
| SSW28* | 11/14/03 | | | | | | | | | | | | | | | | | | | 26.3 | | 6.35 | | | |
| SSW28* | 12/16/03 | | 0.12 | 3.7 | 0.44 | 6.2 | 0.05 | 0.7 | 1.8 | 51 | 0.4 | 12.1 | 5.6 | 79 | | 2.20 | | 2.18 | 34.825 | 24.4 | 8.24 | 6.45 | | | |
| SSW28* | 1/27/04 | | 0.16 | 5.0 | 0.32 | 4.5 | 0.31 | 4.3 | 5.6 | 156 | 0.4 | 12.1 | 4.5 | 63 | | 0.65 | | 2.16 | 34.459 | 22.6 | 8.24 | 6.30 | | | |
| SSW28* | 2/10/04 | | 0.16 | 5.0 | 0.31 | 4.3 | 0.07 | 1.0 | 3.7 | 105 | 0.4 | 12.4 | 5.8 | 81 | | 1.20 | | 2.14 | 34.406 | 24.6 | 8.24 | 6.56 | | | |
| SSW28* | 3/15/04 | | 0.21 | 6.5 | 0.29 | 4.1 | 0.20 | 2.8 | 2.2 | 61 | 0.5 | 14.2 | 4.9 | 68 | | 0.65 | | 2.18 | 34.417 | 25.0 | 8.24 | 6.17 | | | |
| SSW28* | 4/21/04 | | 0.18 | 5.6 | 0.10 | 1.4 | 0.34 | 4.8 | 3.9 | 109 | 0.5 | 15.5 | 5.2 | 73 | | 0.35 | | 2.24 | 34.266 | 24.3 | 8.24 | 6.67 | | | |
| SSW28* | 5/12/04 | | 0.18 | 5.6 | 0.19 | 2.7 | 0.30 | 4.2 | 2.5 | 69 | 0.4 | 13.0 | 6.2 | 86 | | 0.20 | | 2.25 | 33.510 | 26.0 | 8.26 | 6.79 | | | |
| SSW28* | 6/7/04 | | 0.16 | 5.0 | 0.34 | 4.8 | 0.17 | 2.4 | 4.9 | 139 | 0.4 | 13.6 | 7.9 | 110 | | 0.85 | | 2.27 | 33.460 | 25.6 | 8.24 | 6.51 | | | |
| SSW28* | 7/8/04 | | 0.12 | 3.7 | 0.37 | 5.2 | 0.20 | 2.8 | 4.0 | 111 | 0.4 | 12.7 | 5.6 | 79 | 0.86 | 0.85 | | 2.32 | 33.610 | 25.9 | 8.24 | 6.40 | | | |
| SSW28* | 8/24/04 | | 0.14 | 4.3 | 0.40 | 5.6 | 0.34 | 4.8 | 3.1 | 86 | 0.4 | 12.1 | 5.2 | 73 | | 0.90 | | 2.34 | 33.670 | 26.0 | 8.24 | 6.19 | | | |
| SSW28* | 9/2/04 | | 0.11 | 3.4 | 0.36 | 5.0 | 0.19 | 2.7 | 1.7 | 49 | 0.4 | 10.8 | 5.9 | 83 | | 3.00 | | 2.34 | 33.740 | 26.7 | 8.25 | 6.24 | | | |
| SSW28* | 10/10/04 | | 0.10 | 3.1 | 0.28 | 3.9 | 0.22 | 3.1 | 2.1 | 60 | 0.4 | 10.8 | 5.5 | 77 | | 1.25 | | 2.31 | 33.740 | 27.3 | 8.26 | 7.93 | | | |
| SSW28* | 11/8/04 | | 0.13 | 4.0 | 0.48 | 6.7 | 0.18 | 2.5 | 2.7 | 76 | 0.4 | 11.2 | 5.4 | 76 | | 0.40 | | 2.32 | 33.680 | 26.1 | 8.24 | 6.24 | | | |
| SSW28* | 12/7/04 | | 0.11 | 3.4 | 0.39 | 5.5 | 0.26 | 3.6 | 1.6 | 45 | 0.3 | 10.2 | 5.5 | 77 | | 1.95 | | 2.31 | 33.770 | 23.8 | 8.27 | 6.36 | | | |
| SSW28* | 1/11/05 | | 0.11 | 3.4 | 0.24 | 3.4 | 0.07 | 1.0 | 4.2 | 118 | 0.3 | 10.2 | 4.8 | 67 | | 0.55 | | 2.37 | 34.792 | 22.8 | 8.32 | 6.49 | | | |
| SSW28* | 2/8/05 | | 0.11 | 3.4 | 0.26 | 3.6 | 0.06 | 0.8 | 2.9 | 80 | 0.3 | 10.2 | 5.4 | 76 | | 1.90 | | 2.35 | 34.794 | 22.6 | 8.32 | 6.65 | | | |
| SSW28* | 3/23/05 | | 0.11 | 3.4 | 0.03 | 0.4 | 0.19 | 2.7 | 1.9 | 52 | 0.4 | 11.5 | 3.4 | 47 | 1.40 | 1.40 | | 2.36 | 34.771 | 23.7 | 8.30 | 6.58 | 348 | 4208 | |
| SSW28* | 4/21/05 | | 0.18 | 5.6 | 0.15 | 2.1 | 0.27 | 3.8 | 2.0 | 56 | 0.4 | 11.8 | 5.4 | 76 | | 0.85 | | 2.30 | 34.560 | 24.3 | 8.30 | 6.33 | 297 | 2627 | |
| SSW28* | 5/26/05 | 905 | 0.14 | 4.3 | 0.09 | 1.3 | 0.26 | 3.6 | 2.4 | 66 | 0.4 | 13.0 | 4.9 | 68 | | 5.30 | | 2.30 | 34.516 | 24.4 | 8.25 | 6.63 | 14800 | 5000 | |
| SSW28* | 6/16/05 | 840 | 0.12 | 3.7 | 0.10 | 1.4 | 0.41 | 5.7 | 2.4 | 68 | 0.4 | 11.5 | 4.7 | 66 | | 1.35 | | 2.31 | 34.657 | 25.6 | 8.24 | 6.35 | 517 | 2127 | |
| SSW28* | 7/27/05 | 825 | 0.11 | 3.4 | 0.37 | 5.2 | 0.05 | 0.7 | 2.3 | 65 | 0.4 | 10.8 | 4.4 | 61 | 0.95 | 0.70 | | 2.33 | 34.692 | 22.5 | 8.29 | 6.11 | 280 | 4700 | |
| SSW28* | 8/11/05 | 740 | 0.12 | 3.7 | 0.66 | 9.2 | 0.34 | 4.8 | 1.9 | 52 | 0.4 | 10.8 | 4.9 | 69 | 0.86 | 3.25 | | 2.30 | 34.733 | 26.3 | 8.30 | 6.10 | 1081 | 4333 | |
| SSW28* | 9/14/05 | 808 | 0.13 | 4.0 | 0.47 | 6.6 | 0.31 | 4.3 | 1.8 | 49 | 0.4 | 11.5 | 3.5 | 50 | 1.31 | 4.35 | | 2.31 | 34.796 | 26.1 | 8.28 | 6.15 | 1119 | 4533 | |
| SSW28* | 10/10/05 | 912 | 0.11 | 3.4 | 0.26 | 3.6 | 0.30 | 4.2 | 3.5 | 97 | 0.4 | 11.5 | 5.0 | 70 | 1.14 | 2.35 | | 2.33 | 34.833 | 27.1 | 8.32 | 6.26 | 913 | 12133 | |
| SSW28* | 11/2/05 | 802 | 0.10 | 3.1 | 0.26 | 3.6 | 0.40 | 5.6 | 7.3 | 205 | 0.4 | 10.8 | 4.3 | 60 | 0.69 | 2.30 | | 2.37 | 34.948 | 25.3 | 8.28 | 6.41 | 1600 | 13400 | |
| SSW28* | 12/20/05 | 809 | 0.09 | 2.8 | 0.14 | 2.0 | 0.40 | 5.6 | 1.3 | 37 | 0.3 | 9.9 | 5.0 | 69 | 0.86 | 2.25 | | 2.51 | 34.936 | 25.0 | 8.31 | 6.50 | 1800 | 6233 | |
| SSW28* | 1/26/06 | 811 | 0.11 | 3.4 | 0.33 | 4.6 | 0.27 | 3.8 | 2.6 | 73 | 0.3 | 9.6 | 5.3 | 74 | | 1.70 | | 2.15 | 35.052 | 23.1 | 8.26 | 6.45 | 1100 | 6188 | |
| SSW28* | 2/28/06 | 820 | 0.12 | 3.7 | 0.21 | 2.9 | 0.48 | 6.7 | 4.2 | 118 | 0.4 | 12.7 | 5.4 | 75 | | 1.00 | | 2.13 | 34.925 | 24.0 | 8.26 | 6.59 | 1944 | 20100 | |
| SSW28* | 3/23/06 | 820 | 0.12 | 3.7 | 0.21 | 2.9 | 0.48 | 6.7 | 4.2 | 118 | 0.4 | 12.7 | 5.4 | 75 | | 1.00 | | 2.11 | 34.754 | 23.5 | 8.26 | 6.66 | 1367 | 9675 | |
| SSW28* | 4/18/06 | 857 | 0.16 | 5.0 | 0.33 | 4.6 | 0.28 | 3.9 | 2.1 | 59 | 0.3 | 10.5 | 6.0 | 83 | 1.17 | 2.70 | | 2.24 | 34.726 | 24.9 | 8.27 | 6.64 | 1617 | 13225 | |
| SSW28* | 5/18/06 | 905 | 0.13 | 4.0 | 0.16 | 2.2 | 0.15 | 2.1 | 2.0 | 56 | 0.4 | 12.7 | 4.7 | 66 | 0.86 | 2.15 | | 2.23 | 34.721 | 24.9 | 8.25 | 6.50 | 1613 | 8288 | |
| SSW28* | 6/29/06 | 1045 | 0.14 | 4.3 | 0.47 | 6.6 | 0.29 | 4.1 | 2.8 | 78 | 0.3 | 9.9 | 5.3 | 74 | 0.89 | 1.00 | | 2.25 | 34.759 | 28.0 | 8.23 | 6.25 | 1319 | 22000 | |

NELHA Water Quality Laboratory

SSW 28"

Intake Depth: 21 m, Offshore Pipe Length: 163 m

| SITE ID | DATE MD/Y | TIME (2400) | PO ₄ ³⁻ (µM) | (µg P/L) | NO ₃ ⁻ & NO ₂ ⁻ (µM) | (µg N/L) | NH ₄ ⁺ & NH ₃ (µM) | (µg N/L) | Si (µM) | (µg Si/L) | TDP (µg P/L) | (µM) | TDN (µg N/L) | (µM) | TOC (mgC/L) | TSS (mg/L) | Turbidity (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL |
|---------|--------------|----------------|---------------------------------------|----------|---|----------|--|----------|------------|-----------|-----------------|------|-----------------|------|----------------|---------------|--------------------|----------------|-------------------|--------------|--------------|-------------|---------------------|---|
| SSW28* | 7/25/06 | 850 | 0.13 | 4.0 | 0.33 | 4.6 | 0.33 | 4.6 | 2.0 | 55 | 0.3 | 10.5 | 6.2 | 87 | 0.93 | 1.35 | | 2.28 | 34.802 | 25.8 | 8.24 | 6.92 | 2767 | 15100 |
| SSW28* | 8/10/06 | 925 | 0.14 | 4.3 | 0.39 | 5.5 | 0.30 | 4.2 | 1.5 | 41 | 0.4 | 11.8 | 6.0 | 84 | 0.85 | 2.40 | | 2.27 | 34.695 | 26.8 | 8.23 | 6.48 | 3075 | 51900 |
| SSW28* | 9/21/06 | 900 | 0.14 | 4.3 | 0.39 | 5.5 | 0.22 | 3.1 | 3.0 | 83 | 0.3 | 9.9 | 4.7 | 65 | 0.82 | 1.05 | | 2.25 | 34.752 | 25.5 | 8.23 | 6.49 | 1075 | 2888 |
| SSW28* | 10/26/06 | 850 | 0.15 | 4.6 | 0.57 | 8.0 | 0.35 | 4.9 | 3.5 | 97 | 0.3 | 10.5 | 5.6 | 78 | 0.91 | 1.70 | | 2.24 | 34.803 | 26.7 | 8.27 | 7.03 | 1976 | 8125 |
| SSW28* | 11/30/06 | 925 | 0.16 | 5.0 | 0.48 | 6.7 | 0.22 | 3.1 | 1.1 | 32 | 0.4 | 11.5 | 5.6 | 79 | 0.94 | 2.55 | | 2.48 | 34.876 | 25.1 | 8.25 | 6.36 | 2013 | 36600 |
| SSW28* | 12/14/06 | 935 | 0.17 | 5.3 | 0.34 | 4.8 | 0.37 | 5.2 | 1.7 | 47 | 0.4 | 12.1 | 5.8 | 81 | 0.88 | 1.80 | | 2.30 | 34.803 | 25.7 | 8.24 | 6.56 | 2213 | 20000 |
| SSW28* | 1/1/07 | 930 | 0.17 | 5.3 | 0.46 | 6.4 | 0.33 | 4.6 | 0.4 | 11 | 0.4 | 11.2 | 5.1 | 71 | 0.88 | 2.10 | | 2.41 | 34.911 | 24.1 | 8.25 | 6.16 | 1625 | 5575 |
| SSW28* | 2/15/07 | 930 | 0.20 | 6.2 | 0.20 | 2.8 | 0.49 | 6.9 | 2.0 | 57 | 0.4 | 13.6 | 5.8 | 81 | 0.97 | 1.90 | | 2.31 | 34.489 | 23.3 | 8.23 | 6.37 | 1800 | 9763 |
| SSW28* | 3/8/07 | 950 | 0.18 | 5.6 | 0.30 | 4.2 | 0.37 | 5.2 | 4.3 | 121 | 0.5 | 14.6 | 6.3 | 88 | 0.86 | 1.80 | | 1.94 | 34.538 | 24.7 | 8.25 | 6.34 | 825 | 7688 |
| SSW28* | 4/12/07 | 930 | 0.20 | 6.2 | 142 | 19.9 | 0.47 | 6.6 | 2.8 | 79 | 0.4 | 13.3 | 5.6 | 79 | 0.81 | 1.35 | | 1.83 | 34.679 | 25.5 | 8.26 | 6.13 | 3288 | 12288 |
| SSW28* | 5/9/07 | 945 | 0.19 | 5.9 | 0.38 | 5.3 | 0.44 | 6.2 | 1.5 | 43 | 0.4 | 13.3 | 6.5 | 91 | 0.98 | 1.80 | | 1.97 | 34.751 | 25.8 | 8.26 | 6.44 | 2200 | 21300 |
| SSW28* | 6/27/07 | 900 | 0.17 | 5.3 | 0.56 | 7.9 | 0.07 | 1.0 | 2.9 | 81 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.15 | | 2.56 | 34.790 | 26.7 | 8.28 | 6.55 | 1838 | 12633 |
| SSW28* | 7/30/07 | 1012 | 0.20 | 6.1 | 0.05 | 0.7 | 0.32 | 4.5 | 3.9 | 109 | 0.35 | 10.8 | 7.0 | 98 | | 2.80 | | 2.45 | 35.000 | 26.6 | 8.12 | 6.3 | | |
| SSW28* | 8/30/07 | 1215 | 0.15 | 4.8 | 0.16 | 2.3 | 0.54 | 7.5 | 1.4 | 40 | 0.24 | 7.3 | 5.2 | 72 | | 2.55 | | 2.47 | 34.879 | 26.8 | 8.21 | 6.2 | | |
| SSW28* | 9/21/07 | 1132 | 0.18 | 5.5 | 0.16 | 2.2 | 0.34 | 4.8 | 1.8 | 52 | 0.39 | 12.2 | 11.7 | 163 | | 1.95 | | 2.43 | 34.937 | 27.2 | 8.23 | 6.3 | | |
| SSW28* | 10/30/07 | 1131 | 0.19 | 5.8 | 0.19 | 2.6 | 0.45 | 6.3 | 18.2 | 512 | 0.24 | 7.5 | 5.7 | 80 | | 1.10 | | 2.51 | 35.080 | 26.8 | 8.25 | 6.2 | | |
| SSW28* | 11/27/07 | 1255 | 0.19 | 5.9 | 0.01 | 0.2 | 0.42 | 5.9 | 1.8 | 52 | 0.30 | 9.2 | 6.6 | 93 | | 1.10 | | 2.40 | 34.955 | 26.3 | 8.24 | 6.1 | | |
| SSW28* | 12/28/07 | 1531 | 0.07 | 2.1 | 0.13 | 1.8 | 0.03 | 0.4 | 2.4 | 69 | 0.00 | 0.0 | 0.0 | 0.0 | | 0.80 | | 2.58 | 34.833 | 25.3 | 8.20 | 6.0 | | |
| SSW28* | 1/30/08 | 924 | 0.08 | 2.5 | 0.16 | 2.3 | 0.18 | 2.5 | 28.2 | 792 | 0.00 | 0.0 | 0.0 | 0.0 | | 1.55 | | 2.41 | 34.940 | 24.2 | 8.13 | 6.1 | | |
| SSW28* | 2/28/08 | 1419 | 0.04 | 1.2 | 0.19 | 2.7 | 0.05 | 0.7 | 5.2 | 146 | 0.29 | 9.1 | 7.6 | 106 | | 2.40 | | 2.42 | 34.950 | 24.5 | 8.13 | 6.5 | | |
| SSW28* | 3/31/08 | 1146 | 0.04 | 1.2 | 0.06 | 0.9 | 0.05 | 0.7 | 8.8 | 247 | 0.36 | 11.0 | 7.1 | 99 | | 2.60 | | 2.40 | 34.900 | 24.5 | 8.15 | 6.5 | | |
| SSW28* | 4/25/08 | 916 | 0.15 | 4.6 | 0.33 | 4.6 | 0.15 | 2.1 | 2.0 | 57 | 0.33 | 10.2 | 5.0 | 70 | | 0.90 | | 2.55 | 34.622 | 25.0 | 8.18 | 6.6 | | |
| SSW28* | 5/23/08 | 933 | 0.14 | 4.4 | 0.17 | 2.4 | 0.16 | 2.3 | NA | NA | 0.22 | 6.9 | 5.2 | 73 | | 6.30 | | 2.34 | 34.805 | 25.3 | 8.29 | 6.4 | | |
| SSW28* | 6/15/08 | 945 | 0.11 | 3.3 | 0.12 | 1.7 | 0.18 | 2.5 | 3.0 | 84 | 0.25 | 7.6 | 10.5 | 147 | | 0.55 | | NA | 34.648 | 25.3 | 8.25 | 6.1 | | |
| SSW28* | 7/18/08 | 1400 | 0.14 | 4.4 | 0.17 | 2.4 | 0.09 | 1.3 | 1.8 | 51 | 0.05 | 1.5 | 9.8 | 137 | | 0.25 | | | 34.719 | 26.2 | 8.11 | 6.2 | | |
| SSW28* | 8/13/08 | 1209 | 0.58 | 18.1 | 0.34 | 4.7 | 0.58 | 8.1 | 8.5 | 238 | 0.20 | 6.1 | 7.9 | 110 | | 0.31 | | | 34.408 | 26.4 | 8.03 | | | |
| SSW28* | 9/8/08 | 1041 | 0.05 | 1.7 | 0.36 | 5.0 | 4.61 | 64.6 | 2.3 | 65 | 0.15 | 4.6 | 7.1 | 99 | | 1.06 | | | 34.88 | 26.1 | 8.06 | | | |
| SSW28* | 10/23/08 | 1112 | 0.22 | 6.9 | 0.40 | 5.6 | 0.80 | 11.2 | 1.3 | 37 | 0.81 | 25.1 | 10.0 | 139 | | 0.29 | | | 35.09 | 26.2 | 8.19 | 4.9 | | |
| SSW28* | 11/28/08 | 1047 | 0.09 | 2.8 | 0.49 | 6.8 | 0.18 | 2.5 | 2.0 | 55 | 0.41 | 12.7 | 5.3 | 74 | | 2.30 | | | 35.15 | 25.3 | 8.28 | 5.9 | | |
| SSW28* | 12/30/08 | 948 | 0.13 | 3.9 | 0.21 | 2.9 | 0.44 | 6.1 | 1.7 | 48 | 0.37 | 11.4 | 7.0 | 98 | | 1.07 | | | 35.24 | 25.3 | 8.24 | 5.8 | | |
| SSW28* | 1/12/09 | 1152 | 0.20 | 6.3 | 0.46 | 6.4 | 0.12 | 1.7 | 2.4 | 67 | 0.49 | 15.3 | 10.5 | 147 | | 0.61 | | | 35.008 | 25.2 | 8.30 | 6.2 | | |
| SSW28* | 2/20/09 | 1320 | 0.12 | 3.6 | 0.27 | 3.8 | 1.06 | 14.9 | 2.5 | 71 | 0.70 | 21.7 | 10.7 | 150 | | 2.01 | 0.11 | | 35.16 | 24.1 | 8.23 | 6.6 | | |
| SSW28* | 3/30/09 | 1315 | 0.21 | 6.4 | 0.99 | 13.8 | 0.37 | 5.2 | 3.0 | 83 | 0.44 | 13.7 | 4.6 | 65 | | N/A | | | 35.136 | 24.0 | 8.28 | 6.7 | | |
| SSW28* | 4/30/09 | 1025 | 0.36 | 11.3 | 0.25 | 3.5 | 1.26 | 17.6 | 2.2 | 62 | 0.53 | 16.4 | 7.5 | 105 | | 0.66 | | | 35.000 | 23.6 | 8.19 | 6.7 | | |
| SSW28* | 5/15/09 | 1400 | 0.24 | 7.3 | 0.47 | 6.6 | 0.19 | 2.7 | 1.6 | 45 | 0.87 | 27.1 | 7.1 | 99 | | 0.85 | | | 35.15 | 25.4 | NA | 6.3 | | |
| SSW28* | 6/10/09 | 1053 | 0.52 | 16.1 | 0.26 | 3.7 | 0.29 | 4.1 | 2.0 | 57 | 0.66 | 20.3 | 6.2 | 87 | | 0.67 | | | 34.617 | 27.0 | 8.29 | 5.8 | | |
| SSW28* | 7/10/09 | 1045 | 0.41 | 12.8 | 0.67 | 9.4 | 0.59 | 8.3 | 7.4 | 209 | 0.33 | 10.3 | 6.8 | 95 | | 0.98 | | | 35.21 | 26.2 | 8.47 | 6.3 | | |
| SSW28* | 8/27/09 | 1009 | 0.15 | 4.8 | 0.22 | 3.1 | 0.19 | 2.7 | 3.4 | 95 | 0.28 | 8.8 | 6.7 | 93 | | 0.64 | 0.04 | | 34.97 | 26.6 | 8.20 | 6.0 | | |
| SSW28* | 9/17/09 | 1144 | 0.11 | 3.4 | 1.01 | 14.2 | 0.74 | 10.4 | 15.1 | 424 | 0.34 | 10.4 | 4.2 | 59 | | 0.37 | 0.02 | | 35.37 | 26.5 | 8.06 | 5.9 | | |
| SSW28* | 10/26/09 | 1047 | 0.07 | 2.1 | 0.26 | 3.6 | 0.25 | 3.5 | 3.7 | 103 | 0.32 | 9.8 | 5.2 | 74 | | 0.58 | | | 35.40 | 26.6 | 8.47 | 5.8 | | |
| SSW28* | 11/19/09 | 1431 | 0.16 | 5.1 | 0.25 | 3.5 | 0.55 | 7.7 | 1.7 | 48 | 0.47 | 14.5 | 8.6 | 121 | | 0.84 | | | 35.47 | 25.9 | 8.30 | 6.1 | | |
| SSW28* | 12/3/09 | 935 | 0.15 | 4.6 | 0.20 | 2.8 | 0.49 | 6.9 | 4.4 | 123 | 0.39 | 12.2 | 4.1 | 58 | | 0.80 | | | 35.33 | 24.7 | 8.18 | 6.2 | | |
| SSW28* | 1/14/10 | 940 | 0.20 | 6.2 | 0.31 | 4.4 | 0.13 | 1.8 | 1.4 | 39 | 0.45 | 13.8 | 6.1 | 85 | | 0.15 | | | 35.29 | 25.5 | 8.20 | 6.7 | | |
| SSW28* | 2/16/10 | 1109 | 0.18 | 5.6 | 0.36 | 5.0 | 0.35 | 4.9 | 1.0 | 28 | 0.44 | 13.6 | 4.6 | 64 | | 0.90 | | | 34.86 | 25.4 | 8.22 | 6.1 | | |
| SSW28* | 3/15/10 | 903 | 0.12 | 3.7 | 0.06 | 0.9 | 0.06 | 0.8 | 9.2 | 259 | 0.36 | 11.1 | 3.7 | 52 | | 1.20 | | | 34.91 | 24.6 | 8.20 | 6.7 | | |
| SSW28* | 4/1/10 | 842 | 0.12 | 3.8 | 0.04 | 0.5 | 0.37 | 5.2 | 2.5 | 69 | 0.31 | 9.7 | 7.0 | 99 | | 0.80 | 0.04 | | 35.13 | 24.3 | 8.20 | 6.7 | | |
| SSW28* | 5/10/10 | 846 | 0.08 | 2.5 | 0.64 | 8.9 | 0.28 | 3.9 | 16.0 | 450 | 0.49 | 15.2 | 6.7 | 93 | | 1.65 | 0.06 | | 35.01 | 25.3 | 8.22 | 6.4 | | |
| SSW28* | 6/23/10 | 920 | 0.04 | 1.1 | 0.44 | 6.2 | 0.19 | 2.6 | 1.2 | 35 | 0.36 | 11.2 | 6.2 | 86 | | 1.5 | 0.09 | | 35.05 | 25.5 | 8.22 | 6.1 | | |

NELHA Water Quality Laboratory

SSW 28"

Intake Depth: 21 m, Offshore Pipe Length: 163 m

| SITE ID | DATE MD/Y | TIME (2400) | PO ₄ ³⁻ (µM) | (µg P/L) | NO ₃ ⁻ & NO ₂ ⁻ (µM) | (µg N/L) | NH ₄ ⁺ & NH ₃ (µM) | (µg N/L) | Si (µM) | (µg Si/L) | TDP (µg P/L) | (µM) | TDN (µg N/L) | (µM) | TOC (mgC/L) | TSS (mg/L) | Turbidity (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL |
|---------|--------------|----------------|---------------------------------------|----------|---|----------|--|----------|------------|-----------|-----------------|------|-----------------|------|----------------|---------------|--------------------|----------------|-------------------|--------------|--------------|-------------|---------------------|---|
| SSW28* | 7/1/10 | 1020 | 0.04 | 1.2 | 0.35 | 4.9 | 0.40 | 5.6 | 7.7 | 217 | 0.4 | 11.7 | 7.3 | 102 | | 0.95 | 0.06 | | 34.99 | 25.5 | 8.21 | 6.31 | | |
| SSW28* | 8/5/10 | 925 | 0.10 | 3.1 | 0.54 | 7.5 | 0.16 | 2.2 | 2.5 | 71 | 0.3 | 9.9 | 5.7 | 80 | | 1.30 | 0.05 | | 34.85 | 25.8 | 8.15 | 6.37 | | |
| SSW28* | 9/2/10 | 939 | 0.04 | 1.1 | 0.28 | 3.9 | 0.10 | 1.4 | 0.9 | 26 | 0.3 | 10.1 | 5.2 | 73 | | 1.35 | 0.04 | | 34.83 | 25.9 | 8.25 | 6.28 | | |
| SSW28* | 10/18/10 | 932 | 0.11 | 3.5 | 0.19 | 2.7 | 0.18 | 2.5 | 4.7 | 132 | 0.6 | 17.8 | 7.9 | 111 | | 1.20 | 0.05 | | 34.87 | 26.1 | 8.19 | 6.68 | | |
| SSW28* | 11/4/10 | 955 | 0.05 | 1.7 | 0.46 | 6.4 | 0.19 | 2.7 | 3.2 | 91 | 0.4 | 11.0 | 5.5 | 77 | | 0.95 | 0.12 | | 35.00 | 26.4 | 8.23 | 6.15 | | |
| SSW28* | 12/1/10 | 953 | 0.09 | 2.8 | 0.26 | 3.7 | 0.13 | 1.8 | 3.8 | 106 | 0.9 | 27.4 | 9.5 | 134 | | 1.90 | 0.08 | | 34.94 | 25.9 | 8.23 | 6.13 | | |
| SSW28* | 1/25/11 | 948 | 0.18 | 5.6 | 0.30 | 4.2 | 0.23 | 3.2 | 2.2 | 62 | 0.6 | 18.1 | 6.7 | 94 | | 0.95 | 0.02 | | 34.92 | 25.2 | 8.21 | 6.22 | | |
| SSW28* | 2/8/11 | 1001 | 0.14 | 4.3 | 0.32 | 4.5 | 0.46 | 6.5 | 1.3 | 37 | 0.5 | 14.4 | 5.0 | 70 | | 1.10 | 0.07 | | 35.16 | 25.1 | 8.25 | 6.36 | | |
| SSW28* | 3/7/11 | 1049 | 0.22 | 6.7 | 0.28 | 3.9 | 0.31 | 4.4 | 2.2 | 63 | 0.6 | 18.5 | 4.0 | 56 | | 0.95 | 0.09 | | 34.57 | 25.2 | 8.23 | 6.25 | | |
| SSW28* | 4/11/11 | 1100 | 0.16 | 4.9 | 0.30 | 4.2 | 0.15 | 2.1 | 0.7 | 19 | 0.4 | 12.7 | 4.3 | 60 | | 1.17 | 0.09 | | 35.12 | 25.1 | 8.17 | 5.72 | | |
| SSW28* | 5/25/11 | 1150 | 0.10 | 3.2 | 0.48 | 6.7 | 0.31 | 4.3 | 0.7 | 19 | 0.4 | 12.1 | 4.5 | 64 | | 1.03 | 0.06 | | 34.76 | 25.4 | 8.24 | 5.86 | | |
| SSW28* | 6/3/11 | 940 | 0.19 | 5.8 | 0.39 | 5.4 | 0.56 | 7.8 | 0.4 | 13 | 0.5 | 15.1 | 9.1 | 127 | | 1.05 | 0.06 | | 34.79 | 25.0 | 8.21 | 6.99 | | |
| SSW28* | 7/2/11 | 840 | 0.21 | 6.4 | 0.45 | 6.3 | 0.29 | 4.1 | 0.5 | 15 | 0.4 | 12.5 | 4.7 | 66 | | 0.90 | 0.02 | | 34.81 | 25.5 | 8.18 | 6.50 | | |
| SSW28* | 8/22/11 | 1008 | 0.10 | 3.2 | 0.36 | 5.1 | 0.16 | 2.3 | 0.5 | 14 | 0.3 | 9.1 | 5.0 | 70 | | 1.03 | 0.04 | | 34.91 | 25.6 | 8.22 | 6.52 | | |
| SSW28* | 9/15/11 | 833 | 0.09 | 2.8 | 0.77 | 10.8 | 0.21 | 3.0 | 0.6 | 17 | 0.4 | 13.8 | 5.9 | 82 | | 0.32 | 0.05 | | 34.91 | 26.7 | 8.19 | 6.21 | | |
| SSW28* | 10/4/11 | 1149 | 0.11 | 3.3 | 0.55 | 7.7 | 0.18 | 2.5 | 1.5 | 42 | 0.4 | 12.4 | 3.7 | 52 | | 0.46 | 0.02 | | 34.88 | 26.4 | 8.19 | 6.38 | | |
| SSW28* | 11/21/11 | 1134 | 0.09 | 2.7 | 0.14 | 2.0 | 0.06 | 0.9 | 0.7 | 18 | 0.4 | 12.3 | 4.1 | 58 | | 1.18 | 0.08 | | 35.10 | 25.6 | 8.18 | 6.31 | | |
| SSW28* | 12/27/11 | 1033 | 0.01 | 0.3 | 0.42 | 5.9 | 0.14 | 1.9 | 0.5 | 15 | 0.3 | 9.5 | 6.3 | 88 | | 2.65 | 0.02 | | 35.05 | 24.6 | 8.22 | 6.02 | | |
| SSW28* | 1/30/12 | 1017 | 0.07 | 2.1 | 0.30 | 4.2 | 0.07 | 1.0 | 4.1 | 116 | 0.4 | 11.7 | 6.2 | 87 | | 0.39 | 0.02 | | 35.00 | 24.5 | 8.21 | 6.35 | | |
| SSW28* | 2/27/12 | 1025 | 0.08 | 2.6 | 0.60 | 8.4 | 0.11 | 1.6 | 1.8 | 51 | 0.4 | 11.6 | 7.3 | 102 | | 0.94 | 0.02 | | 35.15 | 24.0 | 8.21 | 6.40 | | |
| SSW28* | 3/28/12 | 952 | 0.17 | 5.2 | 0.21 | 2.9 | 0.58 | 8.1 | 0.6 | 17 | 0.4 | 13.8 | 5.2 | 73 | | 0.87 | 0.09 | | 35.04 | 23.9 | 8.21 | 6.39 | | |
| SSW28* | 4/16/12 | 952 | 0.16 | 5.0 | 0.46 | 6.4 | 0.14 | 2.0 | 0.1 | 4 | 0.5 | 14.1 | 6.1 | 85 | | 1.01 | 0.02 | | 34.94 | 24.6 | 8.24 | 6.26 | | |
| SSW28* | 5/24/12 | 958 | 0.15 | 4.8 | 0.37 | 5.2 | 0.24 | 3.3 | 1.9 | 54 | 0.5 | 14.7 | 5.3 | 74 | | 0.88 | 0.05 | | 35.04 | 24.6 | 8.22 | 6.53 | | |
| SSW28* | 6/19/12 | 1007 | 0.14 | 4.3 | 0.47 | 6.6 | 0.37 | 5.2 | 2.8 | 79 | 0.4 | 12.5 | 10.5 | 147 | | 0.93 | 0.09 | | 35.21 | 24.9 | 8.22 | 6.64 | | |
| SSW28* | 7/3/12 | 934 | 0.02 | 0.6 | 0.44 | 6.1 | 0.29 | 4.1 | 2.1 | 59 | 0.3 | 9.9 | 4.6 | 64 | | 1.22 | 0.06 | | 35.24 | 25.5 | 8.20 | 6.94 | | |
| SSW28* | 8/27/12 | 1036 | 0.05 | 1.4 | 0.70 | 9.8 | 0.45 | 6.3 | 2.5 | 71 | 0.4 | 12.4 | 7.0 | 99 | | 1.08 | 0.05 | | 35.30 | 26.0 | 8.20 | 6.30 | | |
| SSW28* | 9/26/12 | 1011 | 0.07 | 2.2 | 0.46 | 6.4 | 0.14 | 1.9 | 1.7 | 48 | 0.5 | 14.5 | 10.0 | 141 | | 1.27 | 0.02 | | 35.27 | 26.6 | 8.20 | 6.02 | | |
| SSW28* | 10/10/12 | 936 | 0.04 | 1.3 | 0.54 | 7.6 | 0.24 | 3.4 | 2.2 | 62 | 0.4 | 12.7 | 7.1 | 100 | | 0.97 | 0.285 | | 35.29 | 26.5 | 8.21 | 5.99 | | |
| SSW28* | 11/19/12 | 1309 | 0.12 | 3.8 | 0.79 | 11.0 | 0.29 | 4.1 | 4.9 | 137 | 0.4 | 12.8 | 7.1 | 100 | | 0.72 | 0.03 | | 35.24 | 26.0 | 8.26 | 6.57 | | |
| SSW28* | 12/19/12 | 924 | 0.17 | 5.4 | 0.60 | 8.4 | 0.54 | 7.6 | 6.2 | 175 | 0.5 | 14.9 | 6.8 | 96 | | 2.11 | 0.03 | | 35.27 | 25.1 | 8.24 | 6.34 | | |
| SSW28* | 1/4/13 | 950 | 0.11 | 3.5 | 0.50 | 7.0 | 0.19 | 2.7 | 0.4 | 10 | 0.4 | 13.3 | 4.6 | 64 | | 1.07 | 0.04 | | 35.28 | 25.1 | 8.20 | 6.28 | | |
| SSW28* | 2/13/13 | 1003 | 0.17 | 5.4 | 0.36 | 5.0 | 0.14 | 2.0 | 1.7 | 48 | 0.4 | 13.7 | 4.7 | 65 | | 1.09 | 0.08 | | 35.19 | 24.5 | 8.21 | 6.03 | | |
| SSW28* | 3/1/13 | 1110 | 0.13 | 4.0 | 0.54 | 7.6 | 0.47 | 6.6 | 1.8 | 51 | 0.4 | 12.9 | 4.5 | 62 | | 2.33 | 0.02 | | 34.97 | 24.3 | 8.22 | 6.36 | | |
| SSW28* | 4/3/13 | 1204 | 0.09 | 2.7 | 0.15 | 2.1 | 0.14 | 1.9 | 2.4 | 67 | 0.4 | 12.3 | 4.9 | 68 | | 1.06 | 0.02 | | 35.30 | 24.5 | 8.20 | 6.33 | | |
| SSW28* | 5/29/13 | 1033 | 0.27 | 8.4 | 0.21 | 3.0 | 0.36 | 5.1 | 1.2 | 33 | 0.7 | 20.8 | 7.3 | 103 | | 1.31 | 0.02 | | 34.97 | 26.4 | 8.20 | 6.09 | | |
| SSW28* | 6/3/13 | 1015 | 0.27 | 8.5 | 0.51 | 7.1 | 0.50 | 7.0 | 1.8 | 51 | 0.6 | 17.8 | 5.3 | 74 | | 1.03 | 0.06 | | 35.09 | 25.8 | 8.17 | 5.96 | | |
| SSW28* | 7/1/13 | 926 | 0.22 | 6.9 | 0.49 | 6.8 | 0.26 | 3.7 | 1.7 | 47 | 0.6 | 17.5 | 6.8 | 96 | | 0.90 | 0.11 | | 34.91 | 26.3 | 8.23 | 6.39 | | |
| SSW28* | 8/14/13 | 949 | 0.13 | 4.1 | 0.36 | 5.1 | 0.17 | 2.4 | 1.8 | 51 | 0.4 | 13.6 | 5.0 | 70 | | 1.15 | 0.03 | | 35.27 | 26.6 | 8.23 | 6.14 | | |
| SSW28* | 9/18/13 | 946 | 0.19 | 6.0 | 0.01 | 0.1 | 0.38 | 5.3 | 1.7 | 49 | 0.5 | 15.5 | 5.4 | 76 | | 1.05 | 0.02 | | 35.03 | 27.1 | 8.20 | 5.92 | | |
| SSW28* | 10/10/13 | 922 | 0.22 | 6.7 | 0.52 | 7.3 | 0.29 | 4.0 | 2.2 | 63 | 0.6 | 18.9 | 6.1 | 86 | | 0.86 | 0.07 | | 35.10 | 26.0 | 8.20 | 6.30 | | |
| SSW28* | 11/21/13 | 936 | 0.19 | 5.9 | 0.19 | 2.7 | 0.35 | 4.9 | 1.8 | 51 | 0.5 | 14.5 | 4.5 | 63 | | 1.15 | 0.02 | | 35.22 | 26.4 | 8.21 | 6.32 | | |
| SSW28* | 12/23/13 | 918 | 0.16 | 5.1 | 0.14 | 2.0 | 0.34 | 4.7 | 1.4 | 38 | 0.5 | 16.4 | 5.6 | 78 | | 1.13 | 0.02 | | 35.24 | 26.0 | 8.23 | 6.08 | | |
| SSW28* | 1/23/14 | 1144 | 0.16 | 5.0 | 0.24 | 3.3 | 0.30 | 4.2 | 1.7 | 49 | 0.5 | 15.2 | 7.4 | 104 | | 1.93 | 0.02 | | 35.27 | 25.0 | 8.21 | 6.46 | | |
| SSW28* | 2/21/14 | 1033 | 0.17 | 5.2 | 0.32 | 4.5 | 0.61 | 8.5 | 2.0 | 55 | 0.4 | 13.7 | 5.7 | 80 | | 1.13 | 0.02 | | 34.93 | 25.6 | 8.21 | 6.98 | | |
| SSW28* | 3/17/14 | 1007 | 0.26 | 7.9 | 0.39 | 5.4 | 0.21 | 2.9 | 2.2 | 61 | 0.7 | 20.3 | 7.5 | 105 | | 1.40 | 0.04 | | 34.73 | 25.5 | 8.20 | 6.69 | | |
| SSW28* | 4/10/14 | 1101 | 0.22 | 6.7 | 0.24 | 3.3 | 0.21 | 3.0 | 1.6 | 44 | 0.5 | 15.8 | 6.6 | 92 | | 1.51 | 0.02 | | 34.92 | 25.6 | 8.21 | 6.18 | | |
| SSW28* | 5/13/14 | 1426 | 0.19 | 5.9 | 0.27 | 3.8 | 0.39 | 5.4 | 2.1 | 58 | 0.5 | 14.0 | 6.6 | 93 | | 1.20 | 0.04 | | 34.92 | 25.8 | 8.23 | 6.28 | | |
| SSW28* | 6/24/14 | 1229 | 0.28 | 8.6 | 0.39 | 5.4 | 0.49 | 6.8 | 2.8 | 78 | 0.8 | 24.8 | 7.3 | 102 | | 1.32 | 0.02 | | 34.89 | 25.9 | 8.20 | 6.36 | | |

NELHA Water Quality Laboratory

SSW 28"

Intake Depth: 21 m, Offshore Pipe Length: 163 m

| SITE ID | DATE MD/Y | TIME (2400) | PO ₄ ³⁻ (μM) | ($\mu\text{g P/L}$) | NO ₃ ⁻ & NO ₂ ⁻ (μM) | ($\mu\text{g N/L}$) | NH ₄ ⁺ & NH ₃ (μM) | ($\mu\text{g N/L}$) | Si (μM) | ($\mu\text{g Si/L}$) | TDP (μM) | ($\mu\text{g P/L}$) | TDN (μM) | ($\mu\text{g N/L}$) | TOC (mgC/L) | TSS (mg/L) | Turbidity (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL |
|---------|--------------|----------------|--|-----------------------|--|-----------------------|---|-----------------------|-------------------------|------------------------|--------------------------|-----------------------|--------------------------|-----------------------|----------------|---------------|--------------------|----------------|-------------------|--------------|--------------|-------------|---------------------|---|
| SSW28* | 7/23/14 | 1155 | 0.24 | 7.5 | 0.50 | 7.0 | 0.34 | 4.7 | 1.6 | 44 | 0.5 | 15.6 | 7.6 | 106 | | 1.47 | 0.07 | | 35.01 | 26.5 | 8.21 | 6.21 | | |
| SSW28* | 8/11/14 | 1118 | 0.16 | 5.0 | 0.80 | 11.2 | 0.45 | 6.3 | 0.6 | 17 | 0.4 | 11.3 | 7.9 | 111 | | 1.80 | 0.05 | | 34.96 | 26.0 | 8.20 | 5.98 | | |
| SSW28* | 9/28/14 | 1123 | 0.19 | 5.8 | 1.11 | 15.6 | 0.21 | 3.0 | 9.3 | 260 | 0.5 | 15.9 | 10.3 | 144 | | 1.64 | 0.08 | | 35.01 | 28.0 | 8.21 | 5.71 | | |
| SSW28* | 10/15/14 | 1252 | 0.20 | 6.2 | 0.76 | 10.7 | 0.31 | 4.3 | 0.8 | 22 | 0.6 | 17.8 | 11.0 | 154 | | 1.51 | 0.10 | | 35.05 | 27.8 | 8.22 | 5.94 | | |
| SSW28* | 11/25/14 | 1212 | 0.18 | 5.6 | 0.44 | 6.2 | 0.10 | 1.4 | 0.2 | 6 | 0.5 | 14.4 | 7.5 | 105 | | 2.35 | 0.02 | | 34.98 | 27.1 | 8.23 | 6.40 | | |
| SSW28* | 12/30/14 | 1022 | 0.16 | 5.1 | 0.44 | 6.1 | 0.33 | 4.6 | 0.1 | 3 | 0.4 | 13.8 | 5.4 | 75 | | 1.12 | 0.03 | | 35.29 | 25.2 | 8.21 | 6.14 | | |
| SSW28* | 1/2/15 | 1106 | 0.21 | 6.6 | 0.16 | 2.3 | 0.35 | 4.9 | 0.8 | 22 | 0.5 | 15.5 | 6.0 | 84 | | 7.72 | 0.02 | | 35.34 | 25.2 | 8.24 | 6.59 | | |
| SSW28* | 2/18/15 | 1002 | 0.26 | 8.0 | 0.51 | 7.1 | 0.49 | 6.8 | 3.2 | 91 | 0.6 | 17.3 | 8.4 | 118 | | 5.06 | 0.07 | | 35.28 | 25.0 | 8.05 | 6.36 | | |
| SSW28* | 3/9/15 | 1323 | 0.22 | 6.8 | 1.26 | 17.6 | 0.56 | 7.8 | 2.8 | 78 | 0.4 | 13.8 | 10.6 | 148 | | 1.85 | 0.05 | | 34.55 | 25.2 | 8.23 | 6.50 | | |
| SSW28* | 4/28/15 | 849 | 0.18 | 5.7 | 0.38 | 5.3 | 0.41 | 5.8 | 2.2 | 61 | 0.4 | 13.6 | 6.7 | 95 | | 5.10 | 0.08 | | 34.85 | 25.7 | 8.18 | 6.00 | | |
| SSW28* | 5/14/15 | 1017 | 0.18 | 5.7 | 0.03 | 0.4 | 0.24 | 3.3 | 0.4 | 11 | 0.6 | 17.2 | 5.6 | 78 | | 1.06 | 0.03 | | 34.98 | 24.9 | 8.19 | 6.48 | | |
| SSW28* | 6/2/15 | 917 | 0.37 | 11.4 | 0.35 | 4.9 | 0.16 | 2.2 | 1.9 | 52 | 0.4 | 13.8 | 8.6 | 121 | | 1.65 | 0.03 | | 34.51 | 25.9 | 8.15 | 5.81 | | |
| SSW28* | 7/7/15 | 833 | 0.05 | 1.7 | 0.11 | 1.5 | 0.14 | 2.0 | 1.1 | 31 | 0.1 | 1.7 | 8.8 | 123 | | 1.80 | 0.08 | | 34.89 | 25.2 | 8.11 | 6.53 | | |
| SSW28* | 8/14/15 | 1017 | 0.21 | 6.6 | 1.41 | 19.8 | 0.17 | 2.4 | 1.7 | 47 | 0.4 | 11.9 | 10.5 | 148 | | 1.70 | 0.02 | | 34.88 | 27.9 | 8.15 | 6.17 | | |
| SSW28* | 9/16/15 | 943 | 0.17 | 5.2 | 1.09 | 15.2 | 0.23 | 3.2 | 2.2 | 63 | 0.4 | 13.4 | 10.5 | 147 | | 1.75 | 0.09 | | 34.36 | 29.8 | 8.07 | 5.73 | | |
| SSW28* | 10/28/15 | 1439 | 0.20 | 6.2 | 1.09 | 15.3 | 0.34 | 4.8 | 6.0 | 169 | 0.5 | 14.6 | 6.4 | 89 | | 1.80 | 0.07 | | 34.58 | 28.2 | 8.20 | 6.26 | | |
| SSW28* | 11/5/15 | 1024 | 0.16 | 4.9 | 1.19 | 16.7 | 0.05 | 0.7 | 0.8 | 21 | 0.4 | 11.1 | 6.0 | 85 | | 1.80 | 0.09 | | 34.41 | 34.4 | 8.15 | 4.90 | | |
| SSW28* | 12/9/15 | 1106 | 0.20 | 6.3 | 1.17 | 16.4 | 0.41 | 5.8 | 2.6 | 72 | 0.6 | 17.9 | 6.1 | 85 | | 1.65 | 0.06 | | 34.28 | 33.5 | 8.19 | 4.96 | | |
| SSW28* | 1/15/16 | 1052 | 0.14 | 4.3 | 2.19 | 30.7 | 0.37 | 5.2 | 2.2 | 62 | 0.4 | 12.2 | 8.1 | 114 | | 1.40 | 0.05 | | 34.42 | 25.3 | 8.18 | 5.95 | | |
| SSW28* | 2/11/16 | 908 | 0.10 | 3.0 | 0.99 | 13.8 | 0.12 | 1.7 | 1.2 | 35 | 0.4 | 13.6 | 6.8 | 95 | | 1.65 | 0.04 | | 34.68 | 26.0 | 8.15 | 6.03 | | |
| SSW28* | 3/3/16 | 1052 | 0.11 | 3.3 | 0.68 | 9.5 | 0.14 | 2.0 | 0.3 | 9 | 0.5 | 14.3 | 5.8 | 82 | | 1.80 | 0.06 | | 34.78 | 25.3 | 8.18 | 6.29 | | |
| SSW28* | 4/12/16 | 1110 | 0.12 | 3.7 | 1.05 | 14.7 | 0.38 | 5.3 | 0.2 | 7 | 0.3 | 10.8 | 6.9 | 97 | | 1.85 | 0.04 | | 34.81 | 25.5 | 8.12 | 5.70 | | |
| SSW28* | 5/10/16 | 1034 | 0.13 | 4.1 | 0.57 | 8.0 | 0.14 | 1.9 | 0.1 | 4 | 0.5 | 14.4 | 4.5 | 63 | | 1.55 | 0.02 | | 34.72 | 26.1 | 8.16 | 5.77 | | |
| SSW28* | 6/15/16 | 922 | 0.06 | 2.6 | 1.60 | 22.4 | 0.14 | 1.9 | 0.3 | 10 | 0.4 | 11.2 | 6.1 | 86 | | 1.80 | 0.08 | | 34.64 | 26.3 | 8.35 | 6.29 | | |
| SSW28* | 7/1/16 | 924 | 0.10 | 3.0 | 0.59 | 8.2 | 0.35 | 4.9 | 0.0 | 1 | 0.3 | 9.5 | 4.5 | 63 | | 1.80 | 0.07 | | 34.81 | 26.3 | 8.26 | 6.34 | | |
| SSW28* | 8/25/16 | 912 | 0.03 | 1.0 | 0.34 | 4.8 | 0.53 | 7.4 | 1.1 | 30 | 0.5 | 14.7 | 6.4 | 89 | | 1.85 | 0.07 | | 34.82 | 27.8 | 8.40 | 5.76 | | |
| SSW28* | 9/15/16 | 936 | 0.01 | 0.4 | 0.33 | 4.6 | 0.12 | 1.7 | 0.6 | 16 | 0.3 | 10.3 | 4.3 | 61 | | 1.60 | 0.03 | | 34.87 | 27.5 | 8.25 | 6.33 | | |
| SSW28* | 10/20/16 | 858 | 0.30 | 9.4 | 0.59 | 8.2 | 1.10 | 15.4 | 1.8 | 50 | 0.6 | 17.9 | 7.6 | 107 | | 1.85 | 0.07 | | 34.89 | 27.7 | 8.22 | 6.13 | | |
| SSW28* | 11/4/16 | 926 | 0.00 | 0.1 | 0.67 | 9.4 | 0.14 | 1.9 | 0.7 | 19 | 0.5 | 16.7 | 5.4 | 76 | | 1.95 | 0.06 | | 34.98 | 26.7 | 8.18 | 6.09 | | |
| SSW28* | 12/29/16 | 926 | 0.03 | 1.0 | 0.31 | 4.4 | 0.10 | 1.4 | 1.0 | 27 | 0.3 | 10.1 | 4.4 | 61 | | 1.65 | 0.04 | | 34.97 | 26.9 | 8.15 | 5.46 | | |
| SSW28* | 1/27/17 | 1033 | 0.00 | 0.1 | 0.30 | 4.2 | 0.29 | 4.1 | 3.5 | 97 | 0.3 | 10.3 | 4.1 | 58 | | 1.45 | 0.06 | | 34.97 | 25.1 | 8.17 | 6.23 | | |
| SSW28* | 2/23/17 | 925 | 0.09 | 2.7 | 0.24 | 3.3 | 0.23 | 3.2 | 0.5 | 15 | 0.3 | 7.8 | 3.2 | 44 | | 5.45 | 0.05 | | 34.58 | 24.9 | 8.26 | 6.38 | | |
| SSW28* | 3/17/17 | 916 | 0.11 | 3.3 | 0.09 | 1.2 | 0.37 | 5.2 | 1.1 | 31 | 0.4 | 12.4 | 2.5 | 35 | | 6.30 | 0.08 | | 34.68 | 25.0 | 8.20 | 6.24 | | |
| SSW28* | 4/10/17 | 1052 | 0.11 | 3.3 | 0.08 | 1.1 | 0.39 | 5.5 | 1.1 | 31 | 0.3 | 10.5 | 3.1 | 43 | | 1.95 | 0.06 | | 35.09 | 25.2 | 8.16 | 6.15 | | |
| SSW28* | 5/17/17 | 854 | 0.08 | 2.5 | 0.32 | 4.5 | 0.23 | 3.2 | 0.7 | 20 | 0.4 | 11.5 | 4.0 | 56 | | 1.80 | 0.06 | | 34.50 | 25.7 | 8.17 | 5.98 | | |
| SSW28* | 6/13/17 | 839 | 0.05 | 1.6 | 0.06 | 0.8 | 0.20 | 2.8 | 1.7 | 49 | 0.3 | 10.7 | 3.3 | 46 | | 1.70 | 0.07 | | 34.68 | 25.8 | 8.21 | 6.40 | | |
| SSW28* | 7/13/17 | 1008 | 0.04 | 1.2 | 0.34 | 4.7 | 0.29 | 4.0 | 0.9 | 26 | 0.3 | 10.3 | 3.3 | 46 | | 2.10 | 0.08 | | 34.99 | 27.9 | 8.20 | 5.10 | | |
| SSW28* | 8/2/17 | 902 | 0.16 | 4.9 | 0.09 | 1.3 | 0.30 | 4.2 | 0.6 | 16 | 0.4 | 13.0 | 5.0 | 71 | | 1.75 | 0.07 | | 34.97 | 27.1 | 8.16 | 6.31 | | |
| SSW28* | 9/12/17 | 905 | 0.07 | 2.1 | 0.06 | 0.8 | 0.81 | 11.3 | 0.5 | 14 | 0.4 | 12.0 | 3.4 | 48 | | 1.50 | 0.08 | | 34.70 | 27.4 | 8.17 | 6.51 | | |
| SSW28* | 10/12/17 | 951 | 0.15 | 4.6 | 0.04 | 0.6 | 0.50 | 7.0 | 1.6 | 46 | 0.4 | 13.7 | 4.8 | 68 | | 2.15 | 0.04 | | 34.96 | 28.0 | 8.14 | 5.61 | | |
| SSW28* | 11/29/17 | 858 | 0.10 | 3.1 | 0.06 | 0.9 | 0.62 | 8.7 | 1.6 | 46 | 0.4 | 11.8 | 3.2 | 45 | | 1.10 | 0.06 | | 35.04 | 26.2 | 8.18 | 5.82 | | |
| SSW28* | 12/27/17 | 1023 | 0.10 | 3.0 | 0.15 | 2.1 | 0.47 | 6.6 | 1.0 | 27 | 0.4 | 11.7 | 2.6 | 36 | | 1.70 | 0.05 | | 35.29 | 25.3 | 8.15 | 6.04 | | |
| SSW28* | 1/11/18 | 931 | 0.03 | 1.0 | 0.26 | 3.7 | 0.20 | 2.8 | 0.5 | 13 | 0.3 | 8.7 | 2.6 | 36 | | 5.50 | 0.07 | | 34.91 | 25.2 | 8.20 | 6.33 | | |
| SSW28* | 2/14/18 | 916 | 0.12 | 3.7 | 0.07 | 1.0 | 0.28 | 3.9 | 4.7 | 133 | 0.4 | 11.6 | 3.2 | 44 | | 2.10 | 0.08 | | 34.89 | 24.8 | 8.19 | 6.84 | | |
| SSW28* | 3/23/18 | 959 | 0.12 | 3.6 | 0.13 | 1.8 | 0.22 | 3.1 | 1.5 | 41 | 0.4 | 12.5 | 3.5 | 49 | | 1.55 | 0.07 | | 34.62 | 24.6 | 8.19 | 6.39 | | |
| SSW28* | 4/24/18 | 937 | 0.08 | 2.4 | 0.38 | 5.3 | 0.28 | 3.9 | 5.0 | 142 | 0.3 | 10.1 | 1.6 | 22 | | 1.85 | 0.05 | | 34.49 | 25.6 | 8.23 | 6.09 | | |
| SSW28* | 5/8/18 | 850 | 0.09 | 2.7 | 0.25 | 3.5 | 0.68 | 9.5 | 0.6 | 16 | 0.4 | 11.7 | 2.1 | 30 | | 1.25 | 0.04 | | 34.60 | 25.5 | 8.17 | 6.07 | | |
| SSW28* | 6/20/18 | 921 | 0.12 | 3.7 | 0.34 | 4.8 | 0.65 | 9.1 | 1.3 | 36 | 0.4 | 12.3 | 3.4 | 47 | | 5.30 | 0.07 | | 35.30 | 26.8 | 8.15 | 5.21 | | |

NELHA Water Quality Laboratory

SSW 28"

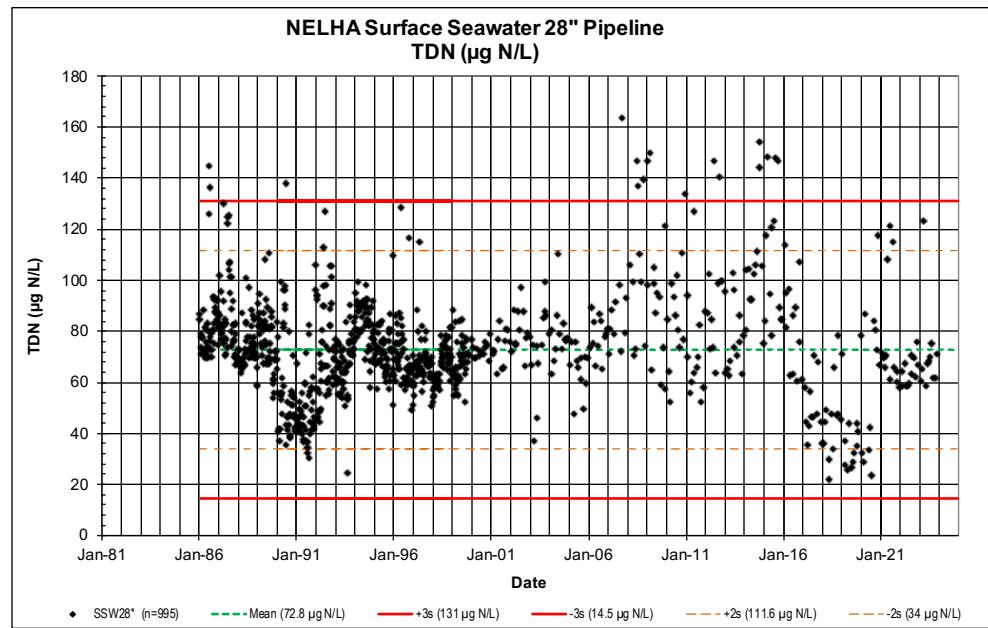
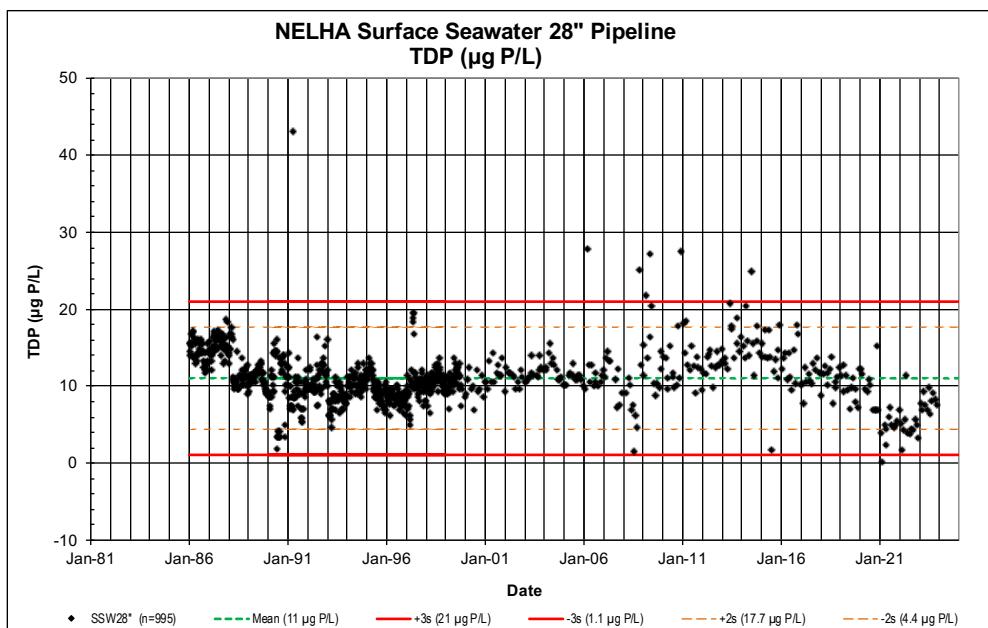
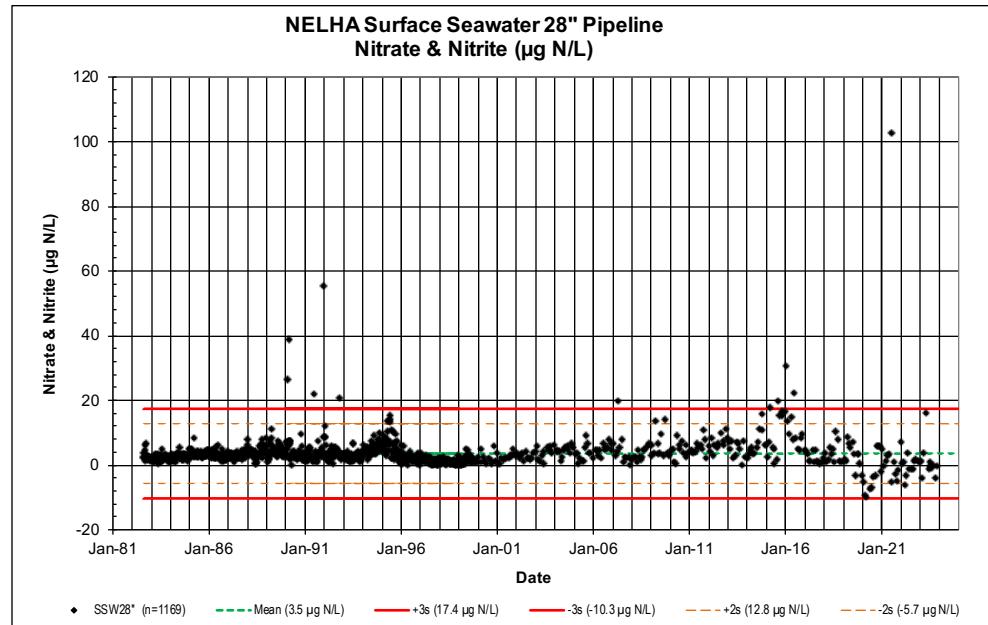
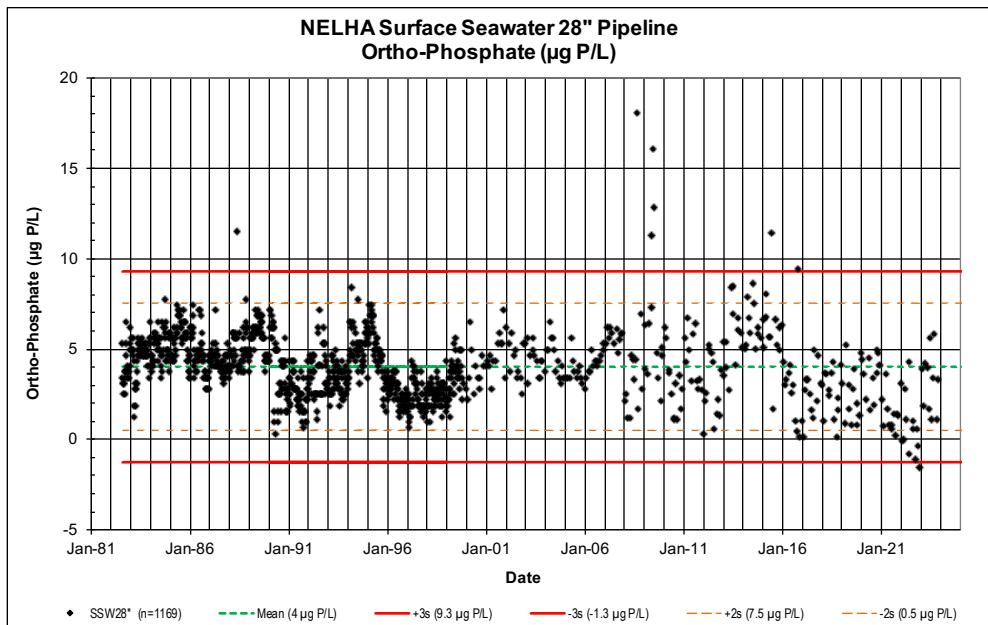
Intake Depth: 21 m, Offshore Pipe Length: 163 m

| SITE ID | DATE MD/Y | TIME (2400) | PO ₄ ³⁻ (µM) | (µg P/L) | NO ₃ ⁻ & NO ₂ ⁻ (µM) | (µg N/L) | NH ₄ ⁺ & NH ₃ (µM) | (µg N/L) | Si (µM) | (µg Si/L) | TDP (µg P/L) | (µM) | TDN (µg N/L) | (µM) | TOC (mgC/L) | TSS (mg/L) | Turbidity (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL |
|---------|--------------|----------------|---------------------------------------|----------|---|----------|--|----------|------------|-----------|-----------------|------|-----------------|------|----------------|---------------|--------------------|----------------|-------------------|--------------|--------------|-------------|---------------------|---|
| SSW28* | 7/12/18 | 1116 | 0.14 | 4.3 | 0.06 | 0.9 | 0.25 | 3.5 | 1.7 | 49 | 0.4 | 13.8 | 2.4 | 34 | | 1.40 | 0.07 | | 34.57 | 26.7 | 8.18 | 6.24 | | |
| SSW28* | 8/13/18 | 1030 | 0.04 | 1.1 | 0.74 | 10.4 | 0.31 | 4.4 | 0.0 | 0 | 0.3 | 7.8 | 4.7 | 66 | | 1.80 | 0.06 | | 34.58 | 27.2 | 8.22 | 5.66 | | |
| SSW28* | 9/18/18 | 1457 | 0.00 | 0.1 | 0.57 | 8.0 | 0.49 | 6.8 | 0.1 | 3 | 0.3 | 9.8 | 3.4 | 47 | | 1.70 | 0.08 | | 34.69 | 27.9 | 8.22 | 6.01 | | |
| SSW28* | 10/11/18 | 1046 | 0.07 | 2.3 | 0.09 | 1.2 | 0.27 | 3.8 | 0.2 | 7 | 0.3 | 10.5 | 3.4 | 47 | | 5.65 | 0.06 | | 34.96 | 27.4 | 8.17 | 4.50 | | |
| SSW28* | 11/2/18 | 945 | 0.05 | 1.6 | 0.06 | 0.8 | 0.24 | 3.3 | 0.8 | 23 | 0.4 | 11.2 | 5.6 | 78 | | 5.45 | 0.07 | | 34.69 | 27.8 | 8.17 | 5.91 | | |
| SSW28* | 12/21/18 | 1047 | 0.13 | 4.1 | 0.09 | 1.3 | 0.41 | 5.8 | 0.6 | 17 | 0.4 | 12.4 | 3.2 | 45 | | 6.20 | 0.07 | | 34.81 | 25.5 | 8.21 | 3.74 | | |
| SSW28* | 1/15/19 | 1044 | 0.10 | 3.1 | 0.13 | 1.8 | 0.11 | 1.6 | 1.4 | 40 | 0.4 | 11.4 | 5.1 | 71 | | 5.55 | 0.08 | | 34.94 | 24.7 | 8.17 | 6.21 | | |
| SSW28* | 2/13/19 | 858 | 0.03 | 0.9 | 0.10 | 1.4 | 0.49 | 6.9 | 0.9 | 26 | 0.3 | 9.3 | 2.6 | 37 | | 1.55 | 0.11 | | 34.58 | 24.3 | 8.14 | 6.49 | | |
| SSW28* | 3/7/19 | 1455 | 0.17 | 5.2 | 0.61 | 8.5 | 0.27 | 3.8 | 0.0 | 1 | 0.4 | 12.8 | 2.0 | 28 | | 4.95 | 0.06 | | 35.15 | 24.7 | 8.12 | 6.79 | | |
| SSW28* | 4/25/19 | 1006 | 0.10 | 3.0 | 0.47 | 6.6 | 0.03 | 0.4 | 0.6 | 18 | 0.4 | 11.3 | 1.8 | 26 | | 6.15 | 0.04 | | 35.22 | 25.8 | 8.10 | 6.57 | | |
| SSW28* | 5/7/19 | 1044 | 0.05 | 1.7 | 0.37 | 5.2 | 0.51 | 7.2 | 0.7 | 20 | 0.3 | 9.5 | 3.1 | 44 | | 2.00 | 0.05 | | 35.52 | 25.7 | 8.18 | 6.36 | | |
| SSW28* | 6/20/19 | 1151 | 0.03 | 0.8 | 0.49 | 6.9 | 0.50 | 7.0 | 0.5 | 13 | 0.2 | 7.1 | 1.9 | 27 | | 1.45 | 0.06 | | 36.03 | 26.1 | 8.20 | 6.36 | | |
| SSW28* | 7/17/19 | 1053 | 0.09 | 2.8 | 0.25 | 3.5 | 0.11 | 1.5 | 0.5 | 13 | 0.3 | 9.8 | 2.1 | 29 | | 1.10 | 0.06 | | 35.72 | 27.2 | 8.20 | 6.52 | | |
| SSW28* | 8/23/19 | 1507 | 0.13 | 3.9 | -0.22 | -3.1 | 0.14 | 2.0 | 1.7 | 47 | 0.4 | 11.0 | 2.3 | 32 | | 0.80 | 0.06 | | 35.05 | 28.4 | 8.18 | 5.97 | | |
| SSW28* | 9/26/19 | 1110 | 0.06 | 2.0 | 0.23 | 3.2 | 0.07 | 1.0 | 1.5 | 41 | 0.3 | 9.7 | 2.5 | 35 | | 4.65 | 0.07 | | 34.75 | 28.3 | 8.18 | 7.20 | | |
| SSW28* | 10/8/19 | 1058 | 0.03 | 0.8 | 0.25 | 3.5 | 0.33 | 4.6 | 0.6 | 17 | 0.3 | 7.9 | 3.1 | 44 | | 0.55 | 0.06 | | 35.34 | 28.5 | 8.21 | 6.69 | | |
| SSW28* | 11/14/19 | 1029 | 0.04 | 1.3 | 0.04 | 0.6 | 0.01 | 0.1 | 1.0 | 29 | 0.2 | 7.3 | 2.9 | 41 | | 0.85 | 0.05 | | 34.79 | 27.5 | 8.14 | 6.33 | | |
| SSW28* | 12/17/19 | 955 | 0.15 | 4.8 | -0.24 | -3.3 | 0.31 | 4.3 | 1.1 | 31 | 0.4 | 12.3 | 5.6 | 78 | | 2.10 | 0.07 | | 34.96 | 26.6 | 8.21 | 6.13 | | |
| SSW28* | 1/9/20 | 1125 | 0.14 | 4.4 | -0.38 | -5.3 | 0.10 | 1.4 | -0.6 | -18 | 0.4 | 12.3 | 2.3 | 33 | | 5.45 | 0.05 | | 34.94 | 26.0 | 8.14 | 6.50 | | |
| SSW28* | 2/4/20 | 1339 | 0.12 | 3.6 | -0.69 | -9.6 | -0.25 | -3.5 | -0.4 | -13 | 0.4 | 11.6 | 2.0 | 29 | | 1.35 | 0.03 | | 35.32 | 25.3 | 8.15 | 6.68 | | |
| SSW28* | 3/17/20 | 1535 | 0.07 | 2.2 | -0.71 | -10.0 | 0.06 | 0.8 | -0.4 | -10 | 0.3 | 9.6 | 6.2 | 87 | | 1.90 | 0.02 | | 35.26 | 25.1 | 8.22 | 6.60 | | |
| SSW28* | 4/1/20 | Covid 19 | | | | | | | | | | | | | | | | | | | | | | |
| SSW28* | 5/21/20 | 1221 | 0.15 | 4.5 | -0.54 | -7.6 | 0.41 | 5.8 | 0.1 | 3 | 0.3 | 9.3 | 2.4 | 33 | | 1.45 | 0.02 | | 36.08 | 25.9 | 8.12 | 6.45 | | |
| SSW28* | 6/9/20 | 947 | 0.05 | 1.6 | -0.49 | -6.9 | 0.46 | 6.4 | -0.3 | -9 | 0.4 | 10.9 | 3.0 | 42 | | 1.15 | 0.03 | | 36.44 | 25.8 | 8.19 | 6.19 | | |
| SSW28* | 7/14/20 | 1123 | 0.11 | 3.4 | -0.27 | -3.8 | 0.24 | 3.4 | 0.9 | 26 | 0.3 | 10.1 | 1.7 | 24 | | 0.95 | 0.06 | | 34.20 | 26.1 | 8.13 | 6.14 | | |
| SSW28* | 8/25/20 | 958 | 0.06 | 1.9 | -0.24 | -3.4 | 0.51 | 7.1 | 0.4 | 10 | 0.2 | 6.8 | 6.0 | 84 | | 1.50 | 0.03 | | 35.93 | 26.6 | 8.15 | 5.74 | | |
| SSW28* | 9/30/20 | 957 | 0.16 | 4.9 | 0.40 | 5.6 | 0.10 | 1.4 | 1.8 | 51 | 0.2 | 6.9 | 5.7 | 80 | | 0.70 | 0.06 | | 35.22 | 26.8 | 8.14 | 6.45 | | |
| SSW28* | 10/14/20 | 1115 | 0.12 | 3.7 | 0.43 | 6.0 | 0.25 | 3.5 | 0.5 | 15 | 0.2 | 6.8 | 5.2 | 73 | | 1.10 | 0.04 | | 35.30 | 26.9 | 8.13 | 6.42 | | |
| SSW28* | 11/4/20 | 1144 | 0.15 | 4.8 | 0.42 | 5.9 | 0.40 | 5.6 | 0.3 | 9 | 0.5 | 15.1 | 8.4 | 117 | | 1.4 | 0.04 | | 35.46 | 27.2 | 8.15 | 6.41 | | |
| SSW28* | 12/4/20 | 1013 | 0.13 | 4.1 | -0.14 | -1.9 | 0.11 | 1.6 | 0.1 | 3 | 0.2 | 6.9 | 4.8 | 67 | | 1.00 | 0.05 | | 35.55 | 26.6 | 8.14 | 6.42 | | |
| SSW28* | 1/14/21 | 1041 | 0.07 | 2.2 | 0.34 | 4.8 | 0.09 | 1.3 | 0.4 | 11 | 0.1 | 3.9 | 5.1 | 71 | | 2.25 | 0.05 | | 35.81 | 26.0 | 8.15 | 6.52 | | |
| SSW28* | 2/11/21 | 940 | 0.02 | 0.7 | -0.04 | -0.5 | 0.00 | 0.0 | 0.3 | 9 | 0.0 | 0.2 | 4.9 | 69 | | 0.65 | 0.06 | | 35.75 | 25.2 | 8.14 | 6.58 | | |
| SSW28* | 3/24/21 | 1221 | 0.12 | 3.6 | 0.10 | 1.4 | 0.06 | 0.8 | -0.4 | -13 | 0.2 | 5.0 | 4.7 | 66 | | 1.20 | 0.10 | | 35.73 | 25.1 | 8.09 | 6.74 | | |
| SSW28* | 4/13/21 | 1120 | 0.05 | 1.7 | 0.21 | 2.9 | 0.11 | 1.5 | -0.8 | -22 | 0.1 | 4.4 | 5.0 | 71 | | 1.25 | 0.09 | | 35.56 | 25.0 | 8.09 | 6.72 | | |
| SSW28* | 5/4/21 | 1146 | 0.03 | 0.8 | 0.24 | 3.3 | 0.11 | 1.6 | -0.5 | -13 | 0.1 | 2.4 | 7.7 | 108 | | 1.45 | 0.11 | | 35.75 | 25.2 | 8.07 | 6.79 | | |
| SSW28* | 6/22/21 | 1103 | 0.02 | 0.6 | 7.33 | 102.7 | 0.21 | 3.0 | 0.2 | 7 | 0.2 | 6.0 | 8.6 | 121 | | 2.10 | 0.07 | | 35.87 | 25.2 | 8.08 | 6.77 | | |
| SSW28* | 7/1/21 | 1509 | 0.03 | 0.8 | -0.39 | -5.5 | 0.20 | 2.8 | 0.1 | 4 | 0.2 | 7.2 | 4.4 | 61 | | 1.65 | 0.06 | | 35.45 | 25.5 | 8.07 | 6.71 | | |
| SSW28* | 8/11/21 | 1024 | 0.05 | 1.4 | 0.05 | 0.7 | 0.15 | 2.1 | 0.3 | 10 | 0.2 | 5.0 | 8.2 | 115 | | 1.35 | 0.08 | | 35.42 | 26.8 | 8.02 | 6.59 | | |
| SSW28* | 9/7/21 | 1032 | 0.01 | 0.2 | -0.19 | -2.7 | 0.19 | 2.6 | -0.4 | -11 | 0.1 | 4.6 | 4.7 | 66 | | 1.10 | 0.07 | | 35.51 | 26.8 | 8.04 | 6.53 | | |
| SSW28* | 10/19/21 | 1451 | 0.05 | 1.4 | -0.35 | -4.9 | 0.14 | 1.9 | 0.1 | 2 | 0.2 | 4.9 | 4.6 | 64 | | 2.05 | 0.11 | | 35.62 | 26.0 | 8.02 | 6.68 | | |
| SSW28* | 11/4/21 | 1549 | 0.04 | 1.3 | -0.13 | -1.8 | 0.16 | 2.3 | 0.2 | 6 | 0.2 | 5.4 | 4.3 | 60 | | 0.85 | 0.14 | | 35.31 | 25.8 | 7.99 | 6.66 | | |
| SSW28* | 12/21/21 | 1413 | 0.10 | 3.1 | 0.50 | 7.0 | 0.01 | 0.2 | -0.4 | -11 | 0.2 | 6.9 | 4.1 | 58 | | 0.75 | 0.07 | | | | | | | |
| SSW28* | 1/27/22 | 1029 | 0.00 | -0.1 | 0.02 | 0.3 | 0.06 | 0.9 | 0.2 | 7 | 0.2 | 5.1 | 4.2 | 59 | | 1.00 | 0.02 | | | | | | | |
| SSW28* | 2/3/22 | 1121 | 0.00 | 0.0 | 0.07 | 1.0 | 0.15 | 2.1 | 0.2 | 4 | 0.1 | 1.6 | 4.6 | 64 | | 1.20 | 0.07 | | 34.88 | 25.2 | 8.12 | 6.73 | | |
| SSW28* | 3/19/22 | 1045 | 0.09 | 2.8 | -0.43 | -6.0 | 0.04 | 0.6 | -0.1 | -4 | 0.1 | 4.3 | 4.8 | 67 | | 0.90 | 0.06 | | 34.54 | 25.1 | 8.11 | 6.76 | | |
| SSW28* | 4/12/22 | 1139 | 0.04 | 1.1 | -0.23 | -3.2 | 0.03 | 0.4 | 0.3 | 9 | 0.2 | 5.7 | 4.2 | 59 | | 0.95 | 0.11 | | 34.90 | 25.3 | 8.06 | 6.80 | | |
| SSW28* | 5/10/22 | 1011 | 0.14 | 4.3 | 0.28 | 3.9 | 0.17 | 2.4 | 0.7 | 19 | 0.4 | 11.4 | 4.2 | 59 | | 1.20 | 0.05 | | 34.49 | 25.3 | 8.10 | 6.76 | | |
| SSW28* | 6/1/22 | 1019 | -0.03 | -0.8 | -0.08 | -1.1 | -0.04 | -0.6 | 3.0 | 83 | 0.1 | 4.0 | 4.3 | 60 | | 1.20 | 0.10 | | 34.62 | 25.8 | 8.08 | 6.78 | | |

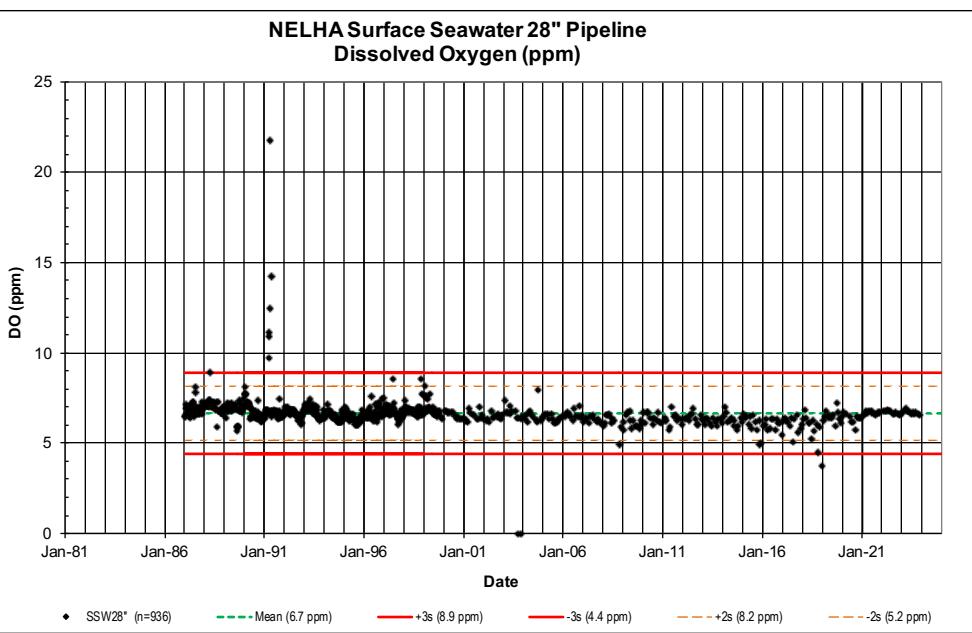
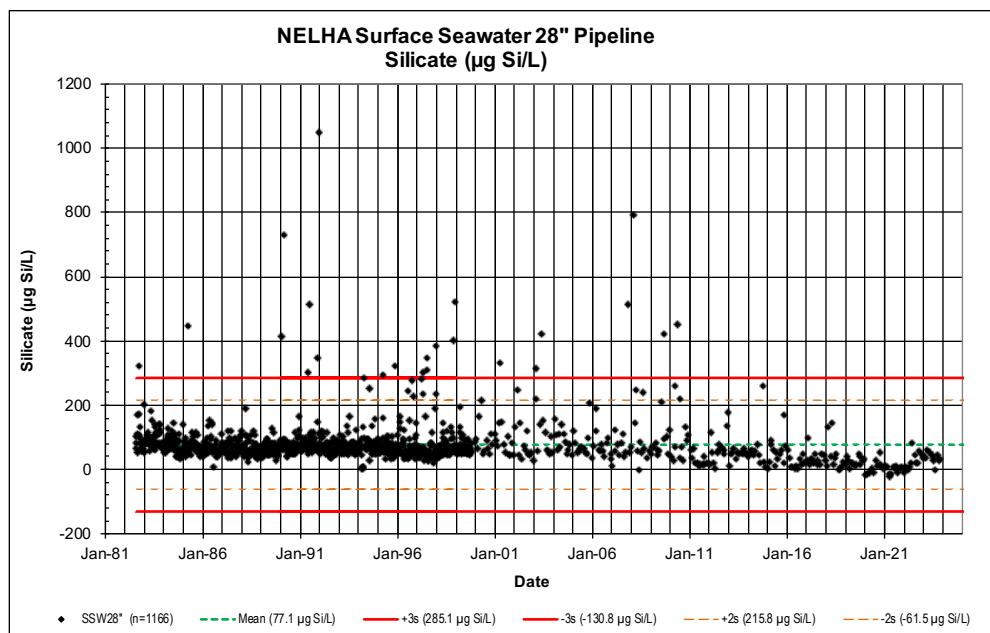
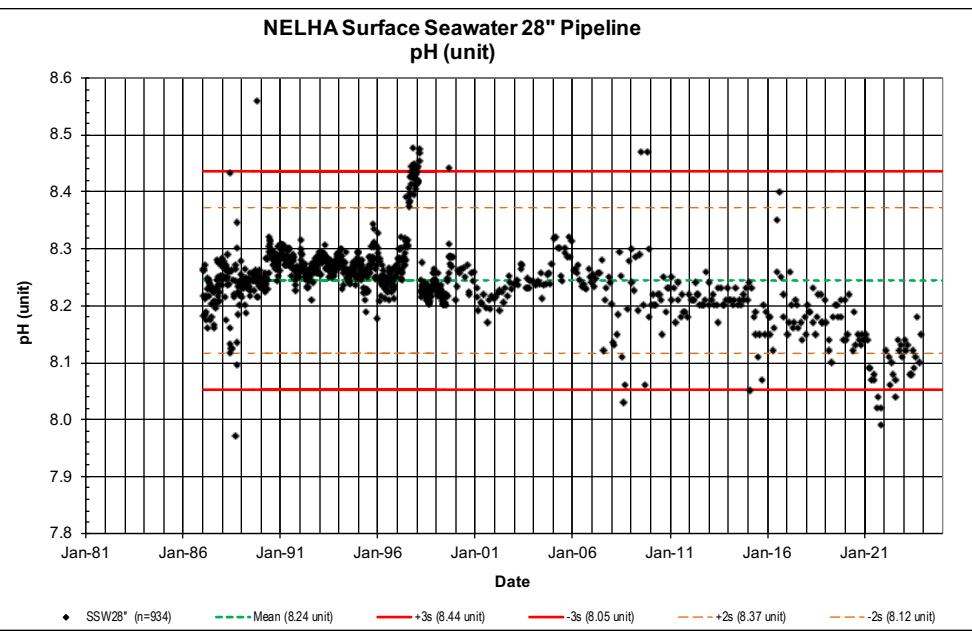
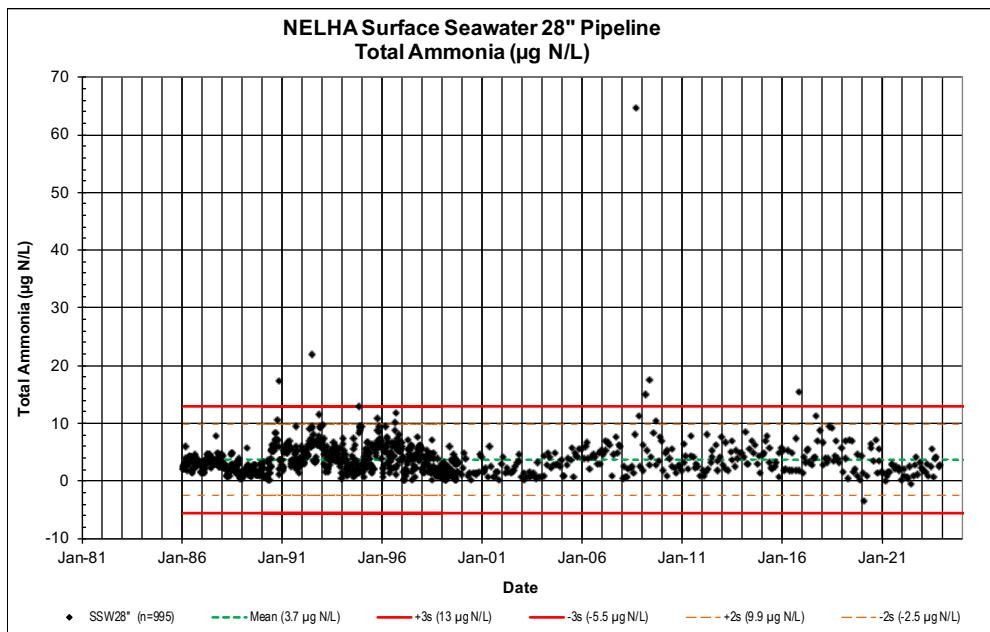
NELHA Water Quality Laboratory
SSW 28"
Intake Depth: 21 m, Offshore Pipe Length: 163 m

| SITE ID | DATE MD/Y | TIME (2400) | PO ₄ ³⁻ (µM) | (µg P/L) | NO ₃ ⁻ & NO ₂ ⁻ (µM) | (µg N/L) | NH ₄ ⁺ & NH ₃ (µM) | (µg N/L) | Si (µM) | (µg Si/L) | TDP (µg P/L) | (µM) | TDN (µg N/L) | (µM) | TOC (mgC/L) | TSS (mg/L) | Turbidity (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL |
|--------------------------|--------------|----------------|---------------------------------------|----------|---|----------|--|----------|------------|-----------|-----------------|-------|-----------------|-------|----------------|---------------|--------------------|----------------|-------------------|--------------|--------------|-------------|---------------------|---|
| SSW28* | 7/21/22 | 1155 | 0.03 | 1.0 | -0.09 | -1.2 | 0.07 | 1.0 | 1.5 | 42 | 0.1 | 3.8 | 5.0 | 70 | | 1.15 | 0.05 | | 34.88 | 26.2 | 8.07 | 6.65 | | |
| SSW28* | 8/2/22 | 1514 | 0.02 | 0.6 | -0.09 | -1.2 | 0.19 | 2.7 | 0.7 | 21 | 0.1 | 4.5 | 4.5 | 63 | | 1.20 | 0.07 | | 34.83 | 26.8 | 8.04 | 6.62 | | |
| SSW28* | 9/8/22 | 1042 | -0.04 | -1.1 | 0.08 | 1.1 | 0.29 | 4.1 | 0.7 | 20 | 0.1 | 4.2 | 5.0 | 69 | | 0.95 | 0.08 | | 35.01 | 26.7 | 8.14 | 6.67 | | |
| SSW28* | 10/12/22 | 1049 | 0.02 | 0.6 | 0.11 | 1.6 | 0.09 | 1.2 | 2.0 | 55 | 0.2 | 5.6 | 4.4 | 62 | | 1.65 | 0.05 | | 34.87 | 27.5 | 8.12 | 6.58 | | |
| SSW28* | 11/16/22 | 1003 | -0.01 | -0.4 | 0.09 | 1.3 | 0.22 | 3.1 | 1.7 | 48 | 0.2 | 5.0 | 5.4 | 76 | | 0.55 | 0.04 | | 34.97 | 26.9 | 8.13 | 6.52 | | |
| SSW28* | 12/8/22 | 1116 | -0.05 | -1.6 | 0.07 | 1.0 | 0.16 | 2.3 | 1.2 | 34 | 0.1 | 3.3 | 4.8 | 67 | | 1.10 | 0.05 | | 35.08 | 25.9 | 8.11 | 6.60 | | |
| SSW28* | 1/17/23 | 1029 | 0.13 | 3.9 | 0.10 | 1.4 | 0.14 | 1.9 | 1.4 | 40 | 0.3 | 7.8 | 4.3 | 61 | | 1.05 | 0.03 | | 34.86 | 25.2 | 8.14 | 6.72 | | |
| SSW28* | 2/16/23 | 931 | 0.06 | 1.8 | -0.29 | -4.0 | 0.11 | 1.5 | 1.3 | 38 | 0.2 | 6.8 | 4.7 | 65 | | 1.00 | 0.04 | | 34.27 | 24.6 | 8.12 | 6.80 | | |
| SSW28* | 3/10/23 | 1112 | 0.14 | 4.2 | 0.27 | 3.8 | 0.21 | 2.9 | 2.2 | 62 | 0.3 | 9.3 | 8.8 | 123 | | 1.10 | 0.07 | | 34.65 | 24.0 | 8.13 | 6.91 | | |
| SSW28* | 4/21/23 | 1109 | 0.13 | 4.0 | 1.14 | 15.9 | 0.07 | 1.0 | 1.8 | 51 | 0.2 | 7.5 | 4.2 | 59 | | 1.95 | 0.06 | | 34.63 | 25.1 | 8.08 | 6.79 | | |
| SSW28* | 5/31/23 | 1105 | 0.05 | 1.7 | -0.09 | -1.2 | 0.18 | 2.5 | 1.6 | 46 | 0.2 | 6.9 | 4.8 | 67 | | 2.50 | 0.07 | | 34.78 | 25.9 | 8.08 | 6.69 | | |
| SSW28* | 6/30/23 | 1011 | 0.18 | 5.6 | 0.06 | 0.9 | 0.39 | 5.5 | 1.2 | 34 | 0.3 | 9.9 | 4.9 | 68 | | 2.40 | 0.08 | | 34.77 | 26.0 | 8.12 | 6.61 | | |
| SSW28* | 7/12/23 | 1609 | 0.04 | 1.1 | -0.02 | -0.3 | 0.05 | 0.7 | 1.0 | 28 | 0.2 | 6.3 | 5.0 | 70 | | 1.10 | 0.06 | | 34.64 | 26.2 | 8.09 | 6.72 | | |
| SSW28* | 8/4/23 | 1037 | 0.11 | 3.4 | -0.06 | -0.8 | 0.28 | 3.9 | 0.0 | 2 | 0.3 | 8.1 | 5.3 | 75 | | 0.85 | 0.05 | | 34.74 | 26.3 | 8.11 | 6.61 | | |
| SSW28* | 9/6/23 | 1341 | 0.19 | 5.8 | 0.01 | 0.1 | 0.30 | 4.2 | 1.6 | 46 | 0.3 | 9.2 | 4.4 | 62 | | 1.05 | 0.07 | | 34.71 | 26.5 | 8.18 | 6.69 | | |
| SSW28* | 10/24/23 | 1619 | 0.04 | 1.1 | -0.28 | -3.9 | 0.17 | 2.4 | 0.9 | 26 | 0.3 | 8.2 | 4.4 | 61 | | 0.80 | 0.08 | | 34.85 | 26.8 | 8.10 | 6.60 | | |
| SSW28* | 11/14/23 | 958 | 0.11 | 3.3 | -0.04 | -0.5 | 0.20 | 2.8 | 1.1 | 32 | 0.2 | 7.5 | 5.1 | 71 | | 0.70 | 0.10 | | 34.90 | 26.5 | 8.15 | 6.55 | | |
| SSW28* | 12/15/23 | | | | | | | | | | | | | | | | | | | | | | | |
| SSW28* | 1/15/24 | | | | | | | | | | | | | | | | | | | | | | | |
| SSW28* | 2/15/24 | | | | | | | | | | | | | | | | | | | | | | | |
| SSW28* | 3/15/24 | | | | | | | | | | | | | | | | | | | | | | | |
| SSW28* | 4/15/24 | | | | | | | | | | | | | | | | | | | | | | | |
| SSW28* | 5/15/24 | | | | | | | | | | | | | | | | | | | | | | | |
| SSW28* | 6/15/24 | | | | | | | | | | | | | | | | | | | | | | | |
| SSW28* | 7/15/24 | | | | | | | | | | | | | | | | | | | | | | | |
| SSW28* | 8/15/24 | | | | | | | | | | | | | | | | | | | | | | | |
| SSW28* | 9/15/24 | | | | | | | | | | | | | | | | | | | | | | | |
| SSW28* | 10/15/24 | | | | | | | | | | | | | | | | | | | | | | | |
| SSW28* | 11/15/24 | | | | | | | | | | | | | | | | | | | | | | | |
| SSW28* | 12/15/24 | | | | | | | | | | | | | | | | | | | | | | | |
| SSW28* | 1/15/25 | | | | | | | | | | | | | | | | | | | | | | | |
| SSW28* | 2/15/25 | | | | | | | | | | | | | | | | | | | | | | | |
| SSW28* | 3/15/25 | | | | | | | | | | | | | | | | | | | | | | | |
| SSW28* | 4/15/25 | | | | | | | | | | | | | | | | | | | | | | | |
| SSW28* | 5/15/25 | | | | | | | | | | | | | | | | | | | | | | | |
| SSW28* | 6/15/25 | | | | | | | | | | | | | | | | | | | | | | | |
| Mean (Jul '82 - present) | | | 0.13 | 4.02 | 0.25 | 3.55 | 0.26 | 3.70 | 2.75 | 77.14 | 0.36 | 11.04 | 5.18 | 72.78 | 0.92 | 1.23 | 0.07 | 2.31 | 34.74 | 25.80 | 8.24 | 6.65 | | |
| STD DEV | | | 0.06 | 1.76 | 0.33 | 4.62 | 0.22 | 3.08 | 2.47 | 69.3 | 0.11 | 3.3 | 1.41 | 19.4 | 0.44 | 1.18 | 0.22 | 0.09 | 0.41 | 1.3 | 0.06 | 0.75 | | |
| Range | | | | | | | | | | | | | | | | | | | | | | | | |
| UWL +2s | | | 0.2 | 7.5 | 1 | 12.8 | 0.70 | 9.9 | 8 | 216 | 0.6 | 18 | 8 | 112 | 1.81 | 3.59 | 0.51 | 2.49 | 35.56 | 28.3 | 8.37 | 8.15 | | |
| LWL -2s | | | 0.0 | 0.5 | 0 | -5.7 | -0.18 | -2.5 | -2 | -62 | 0.1 | 4 | 2 | 34 | 0.04 | -1.12 | -0.36 | 2.14 | 33.93 | 23.3 | 8.12 | 5.16 | | |
| UCL +3s | | | 0.3 | 9.3 | 1 | 17.4 | 0.92 | 13.0 | 10 | 285 | 0.7 | 21 | 9 | 131 | 2.25 | 4.77 | 0.73 | 2.58 | 35.97 | 29.6 | 8.44 | 8.90 | | |
| LCL -3s | | | 0.0 | -1.3 | 1 | -10.3 | -0.40 | -5.5 | -5 | -131 | 0.0 | 1 | 1 | 15 | -0.40 | -2.30 | -0.58 | 2.05 | 33.52 | 22.0 | 8.05 | 4.41 | | |
| Data | | | | | | | | | | | | | | | | | | | | | | | | |
| Max. Value | | | 0.58 | 18.1 | 3.94 | 55.2 | 4.61 | 64.6 | 37.4 | 1050 | 1.4 | 43.1 | 11.7 | 163 | 7.54 | 11.30 | 2.85 | 2.70 | 35.47 | 34.4 | 8.56 | 21.72 | | |
| Min. Value | | | 0.00 | 0.1 | 0.01 | 0.1 | 0.01 | 0.1 | 0.0 | 1 | 0.0 | 1.5 | 0.0 | 24 | 0.32 | 0.00 | 0.02 | 1.83 | 24.52 | 21.6 | 7.97 | 4.90 | | |

NELHA Water Quality Laboratory
SSW 28"
Intake Depth: 21 m, Offshore Pipe Length: 163 m

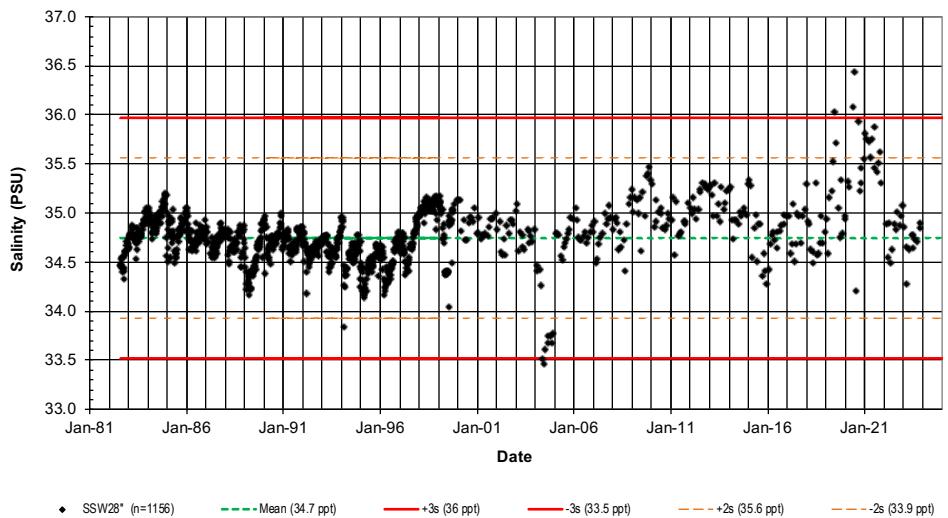


NELHA Water Quality Laboratory
SSW 28"
Intake Depth: 21 m, Offshore Pipe Length: 163 m

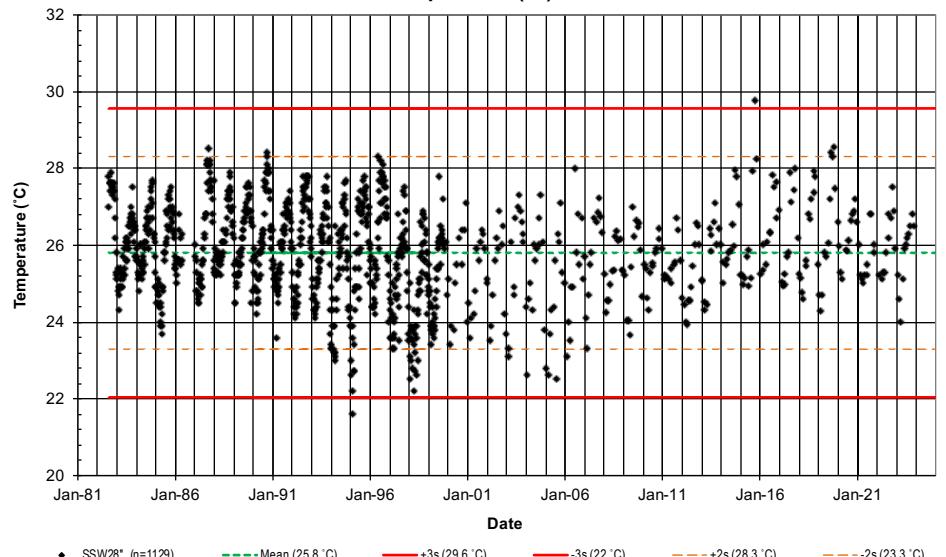


NELHA Water Quality Laboratory
SSW 28"
Intake Depth: 21 m, Offshore Pipe Length: 163 m

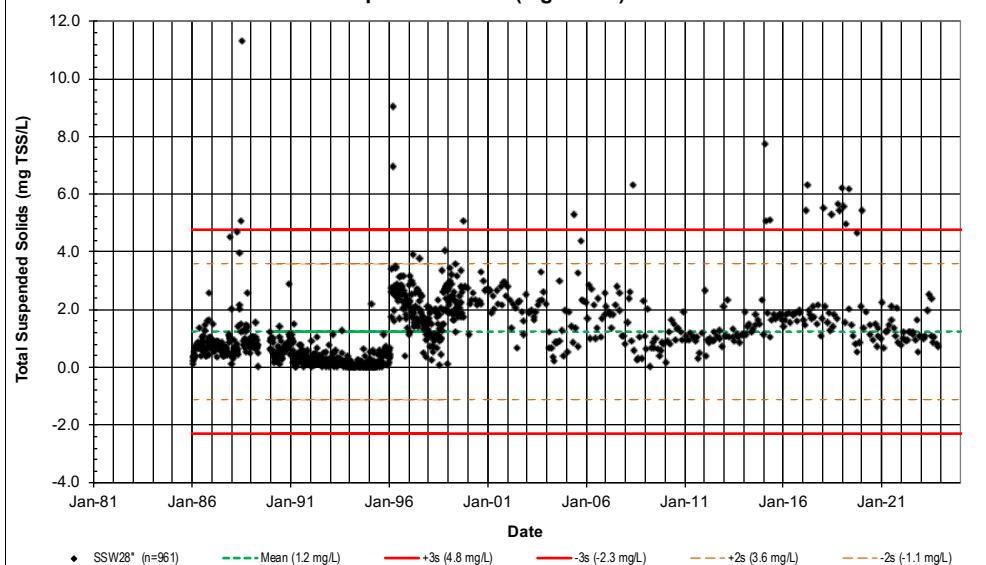
**NELHA Surface Seawater 28" Pipeline
Salinity (PSU)**



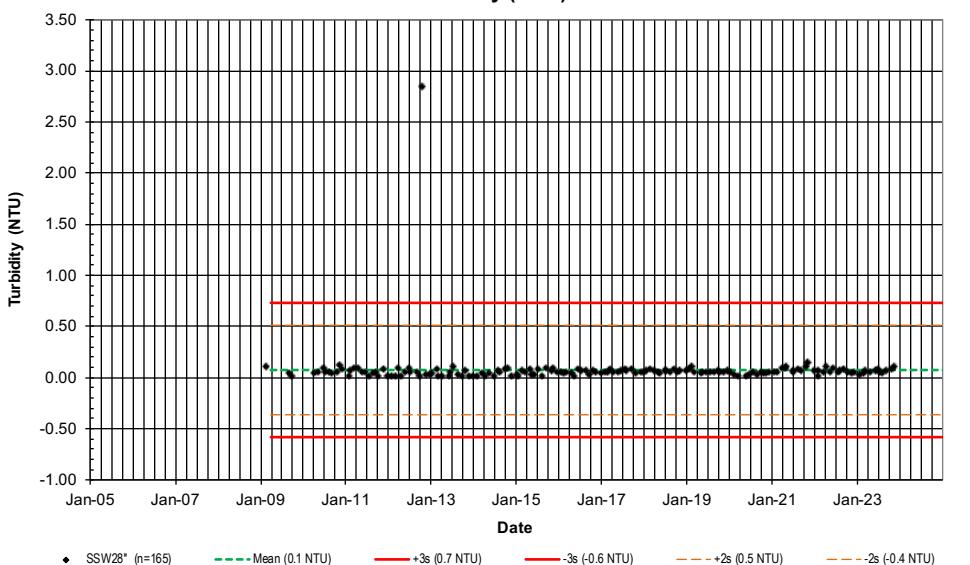
**NELHA Surface Seawater 28" Pipeline
Temperature (°C)**



**NELHA Surface Seawater 28" Pipeline
Total Suspended Solids (mg TSS/L)**



**NELHA Surface Seawater 28" Pipeline
Turbidity (NTU)**



NELHA Water Quality Laboratory

SSW 24"

Intake Depth: 10 m, Offshore Pipe Length: 81 m

| SITE ID | DATE MDY | TIME (2400) | PO ₄ ³⁻ (µM) | (µg P/L) | NO ₃ ⁻ & NO ₂ ⁻ (µM) | (µg N/L) | NH ₄ ⁺ & NH ₃ (µM) | (µg N/L) | Si (µg Si/L) | TDP (µg P/L) | TDN (µM) | TOC (µg N/L) | TSS (mg/L) | Turbidity (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL | | | | |
|---------|-------------|----------------|---------------------------------------|----------|---|----------|--|----------|-----------------|-----------------|-------------|-----------------|---------------|--------------------|----------------|-------------------|--------------|--------------|-------------|---------------------|---|------|------|-------|-------|
| SSW 24" | 3/23/05 | | 0.09 | 2.8 | 0.0 | 0.4 | 0.28 | 3.9 | 3.7 | 105 | 0.40 | 12.4 | 4.1 | 58 | 1.05 | 0.90 | 2.34 | 34.721 | 24.9 | 8.31 | 6.84 | 808 | 2832 | | |
| SSW 24" | 4/21/05 | | 0.14 | 4.3 | 0.0 | 0.1 | 0.27 | 3.8 | 2.3 | 65 | 0.38 | 11.8 | 4.4 | 62 | | 1.95 | 2.29 | 34.530 | 25.1 | 8.31 | 6.89 | 556 | 4200 | | |
| SSW 24" | 5/26/05 | 1000 | 0.13 | 4.0 | 0.1 | 0.8 | 0.32 | 4.5 | 2.6 | 74 | 0.43 | 13.3 | 3.8 | 53 | | 3.25 | 2.31 | 34.499 | 24.8 | 8.26 | 6.78 | 2773 | 9300 | | |
| SSW 24" | 6/16/05 | 942 | 0.09 | 2.8 | 0.0 | 0.1 | 0.47 | 6.6 | 1.4 | 40 | 0.35 | 10.8 | 4.6 | 64 | | 0.85 | 2.31 | 34.686 | 26.6 | 8.27 | 6.55 | 618 | 5700 | | |
| SSW 24" | 7/27/05 | 933 | 0.09 | 2.8 | 0.0 | 0.6 | 0.12 | 1.7 | 2.5 | 70 | 0.31 | 9.6 | 3.0 | 42 | 1.09 | 1.20 | 2.29 | 34.712 | 27.7 | 8.31 | 6.45 | 1245 | 9500 | | |
| SSW 24" | 8/11/05 | 848 | 0.10 | 3.1 | 0.2 | 2.4 | 0.41 | 5.7 | 3.2 | 90 | 0.34 | 10.5 | 2.8 | 40 | 0.89 | 5.50 | | 2.31 | 34.726 | 27.6 | 8.32 | 6.48 | 2736 | 8200 | |
| SSW 24" | 9/14/05 | 920 | 0.08 | 2.5 | 0.0 | 0.3 | 0.41 | 5.7 | 4.1 | 116 | 0.31 | 9.6 | 4.0 | 56 | 1.25 | | 1.65 | 2.33 | 34.777 | 27.8 | 8.30 | 6.53 | 4200 | 8133 | |
| SSW 24" | 10/10/05 | 1000 | 0.08 | 2.5 | 0.0 | 0.4 | 0.31 | 4.3 | 1.8 | 51 | 0.34 | 10.5 | 5.0 | 69 | 1.11 | | 3.85 | 2.32 | 34.830 | 27.6 | 8.33 | 6.55 | 2933 | 9100 | |
| SSW 24" | 11/2/05 | 903 | 0.07 | 2.2 | 0.1 | 0.8 | 0.42 | 5.9 | 2.1 | 60 | 0.34 | 10.5 | 3.6 | 50 | 1.16 | | 4.90 | 2.39 | 34.947 | 26.1 | 8.30 | 6.70 | 3050 | 8600 | |
| SSW 24" | 12/20/05 | 859 | 0.08 | 2.5 | 0.2 | 2.2 | 0.42 | 5.9 | 1.6 | 46 | 0.32 | 9.9 | 5.2 | 73 | 0.89 | | 2.85 | 2.54 | 34.934 | 25.9 | 8.32 | 6.79 | 3500 | 6800 | |
| SSW 24" | 1/26/06 | 916 | 0.10 | 3.1 | 0.1 | 1.8 | 0.32 | 4.5 | 2.0 | 56 | 0.29 | 9.0 | 4.2 | 59 | | | 3.80 | 2.07 | 35.032 | 25.0 | 8.27 | 6.73 | 4217 | 49433 | |
| SSW 24" | 2/28/06 | 1005 | 0.09 | 2.8 | 0.1 | 1.8 | 0.36 | 5.0 | 5.7 | 160 | 0.35 | 10.8 | 4.4 | 62 | | | 2.05 | 2.08 | 34.918 | 25.0 | 8.28 | 6.71 | 2163 | 14000 | |
| SSW 24" | 3/23/06 | 935 | 0.10 | 3.1 | 0.1 | 1.0 | 0.52 | 7.3 | 3.1 | 88 | 0.33 | 10.2 | 4.4 | 61 | | | 1.20 | 2.24 | 34.600 | 24.4 | 8.27 | 6.93 | 2633 | 9833 | |
| SSW 24" | 4/18/06 | 1018 | 0.09 | 2.8 | 0.1 | 1.5 | 0.29 | 4.1 | 3.8 | 106 | 0.32 | 9.9 | 6.1 | 85 | 0.94 | | 2.95 | 2.32 | 34.742 | 24.8 | 8.29 | 6.79 | 2583 | 7738 | |
| SSW 24" | 5/18/06 | 1010 | 0.10 | 3.1 | 0.1 | 1.0 | 0.23 | 3.2 | 2.0 | 56 | 0.37 | 11.5 | 5.2 | 72 | 0.92 | | 2.35 | 2.47 | 34.661 | 25.4 | 8.26 | 6.66 | 3600 | 10600 | |
| SSW 24" | 6/29/06 | 944 | 0.14 | 4.3 | 0.2 | 2.8 | 0.37 | 5.2 | 3.0 | 85 | 0.37 | 11.5 | 5.6 | 78 | 0.97 | | 2.70 | 2.25 | 34.699 | 26.4 | 8.25 | 6.66 | 3883 | 16000 | |
| SSW 24" | 7/25/06 | 1010 | 0.12 | 3.7 | 0.2 | 2.7 | 0.32 | 4.5 | 2.4 | 68 | 0.35 | 10.8 | 5.5 | 77 | 1.03 | | 2.35 | | 2.26 | 34.781 | 26.3 | 8.25 | 7.25 | 3900 | 10467 |
| SSW 24" | 8/10/06 | 1035 | 0.13 | 4.0 | 0.1 | 1.0 | 0.35 | 4.9 | 2.0 | 56 | 0.38 | 11.8 | 5.2 | 73 | 0.92 | | 1.65 | | 2.20 | 34.703 | 26.9 | 8.26 | 7.26 | 3717 | 9889 |
| SSW 24" | 9/21/06 | 1035 | 0.12 | 3.7 | 0.2 | 2.2 | 0.25 | 3.5 | 2.1 | 60 | 0.36 | 11.2 | 4.6 | 65 | 0.94 | | 1.75 | | 2.26 | 34.752 | 26.7 | 8.24 | 6.66 | 3438 | 5950 |
| SSW 24" | 10/26/06 | 1015 | 0.11 | 3.4 | 0.3 | 4.1 | 0.44 | 6.2 | 2.1 | 60 | 0.33 | 10.2 | 5.4 | 75 | 1.06 | | 1.15 | | 2.38 | 34.783 | 27.5 | 8.30 | 6.70 | 3550 | 8100 |
| SSW 24" | 11/30/06 | 1040 | 0.14 | 4.3 | 0.2 | 2.5 | 0.36 | 5.0 | 2.2 | 60 | 0.39 | 12.1 | 5.4 | 76 | 1.00 | | 2.70 | | 2.11 | 34.851 | 26.5 | 8.28 | 6.69 | 2463 | 8900 |
| SSW 24" | 12/14/06 | 1024 | 0.14 | 4.3 | 0.1 | 1.0 | 0.29 | 4.1 | 0.9 | 26 | 0.39 | 12.1 | 5.6 | 78 | 1.00 | | 1.30 | | 2.48 | 34.780 | 25.9 | 8.27 | 6.72 | 1963 | 3813 |
| SSW 24" | 1/11/07 | 910 | 0.15 | 4.6 | 0.2 | 3.2 | 0.49 | 6.9 | 1.2 | 33 | 0.36 | 11.2 | 6.1 | 85 | 1.01 | | 3.20 | | 2.15 | 34.885 | 25.4 | 8.26 | 6.44 | 2638 | 6967 |
| SSW 24" | 2/15/07 | 900 | 0.17 | 5.3 | 0.1 | 1.0 | 0.53 | 7.4 | 1.2 | 34 | 0.42 | 13.0 | 6.4 | 90 | 1.03 | | 2.40 | | 2.12 | 34.379 | 24.4 | 8.26 | 6.60 | 3188 | 9100 |
| SSW 24" | 3/8/07 | 830 | 0.14 | 4.3 | 0.1 | 1.0 | 0.32 | 4.5 | 2.8 | 79 | 0.42 | 13.0 | 6.4 | 89 | 0.96 | | 2.75 | | 1.94 | 34.578 | 24.5 | 8.28 | 6.65 | 3100 | 9088 |
| SSW 24" | 4/12/07 | 830 | 0.15 | 4.6 | 0.1 | 1.0 | 0.35 | 4.9 | 2.1 | 58 | 0.36 | 11.2 | 5.4 | 76 | 0.92 | | 2.45 | | 1.85 | 34.701 | 25.4 | 8.27 | 6.57 | 2775 | 9778 |
| SSW 24" | 5/9/07 | 900 | 0.16 | 5.0 | 0.1 | 1.4 | 0.52 | 7.3 | 4.1 | 115 | 0.38 | 11.8 | 6.9 | 97 | 1.23 | | 1.30 | | 2.18 | 34.751 | 25.0 | 8.27 | 6.38 | 2450 | 8863 |
| SSW 24" | 6/27/07 | 820 | 0.19 | 5.9 | 0.4 | 5.2 | 0.25 | 3.5 | 0.8 | 22 | 0.32 | 9.8 | 6.6 | 92 | | | 1.90 | | 2.46 | 34.796 | 26.3 | 8.29 | 6.90 | 3125 | 9900 |
| SSW 24" | 7/30/07 | 1305 | 0.20 | 6.1 | 0.0 | 0.7 | 0.32 | 4.5 | 3.9 | 109 | 0.35 | 10.8 | 7.0 | 98 | | | 1.25 | | 2.39 | 34.804 | 27.0 | 8.14 | 6.57 | | |
| SSW 24" | 8/30/07 | 840 | 0.19 | 5.8 | 0.2 | 2.8 | 0.29 | 4.0 | 2.2 | 62 | 0.26 | 7.9 | 6.4 | 89 | | | 2.20 | | 2.39 | 34.907 | 26.9 | 8.15 | 7.20 | | |
| SSW 24" | 9/24/07 | 936 | 0.21 | 6.6 | 0.2 | 2.9 | 0.54 | 7.5 | 15.0 | 420 | 0.32 | 9.8 | 5.4 | 76 | | | 2.65 | | 2.05 | 35.366 | 26.8 | 8.12 | 6.28 | | |
| SSW 24" | 10/30/07 | 1411 | 0.20 | 6.3 | 0.0 | 0.2 | 0.36 | 5.1 | 8.6 | 243 | 0.20 | 6.2 | 6.6 | 92 | | | 1.40 | | 2.48 | 35.074 | 26.8 | 8.23 | 6.53 | | |
| SSW 24" | 11/27/07 | 1402 | 0.22 | 6.7 | 0.1 | 1.3 | 0.41 | 5.8 | 24.6 | 691 | 0.20 | 6.1 | 4.8 | 67 | | | 1.55 | | 2.78 | 34.947 | 26.4 | 8.22 | 6.86 | | |
| SSW 24" | 12/31/07 | 1027 | 0.00 | | 0.0 | 0.7 | 0.18 | 2.5 | 5.0 | 142 | 0.00 | | 0.0 | | | | 1.20 | | 2.50 | 34.856 | 25.1 | 8.15 | 6.56 | | |
| SSW 24" | 1/30/08 | 847 | 0.08 | 2.6 | 0.1 | 1.2 | 0.18 | 2.5 | 25.7 | 723 | 0.00 | | 0.0 | | | | 1.60 | | 2.40 | 34.925 | 24.1 | 8.12 | 6.87 | | |
| SSW 24" | 2/28/08 | 1122 | 0.04 | 1.2 | 0.2 | 2.5 | 0.05 | 0.7 | 5.6 | 157 | 0.32 | 9.8 | 6.2 | 87 | | | 1.00 | | 2.42 | 34.911 | 24.4 | 8.20 | 6.24 | | |
| SSW 24" | 3/31/08 | 1449 | 0.04 | 1.2 | 0.3 | 4.3 | 0.05 | 0.7 | 3.6 | 102 | 0.34 | 10.5 | 5.7 | 79 | | | 1.80 | | 2.36 | 34.730 | 25.0 | 8.14 | 7.10 | | |
| SSW 24" | 4/25/08 | 932 | 0.14 | 4.2 | 0.2 | 2.2 | 0.15 | 2.1 | 5.8 | 162 | 0.35 | 10.8 | 3.9 | 55 | | | 0.45 | | 2.48 | 34.649 | 24.8 | 8.21 | 6.57 | | |
| SSW 24" | 5/23/08 | 1035 | 0.09 | 2.9 | 0.1 | 1.6 | 0.09 | 1.3 | NA | NA | 0.23 | 7.2 | 4.0 | 56 | | | 1.25 | | 2.52 | 34.764 | 25.4 | 8.31 | 6.63 | | |
| SSW 24" | 6/10/08 | 1049 | 0.10 | 3.1 | 0.0 | 0.3 | 0.18 | 2.5 | 2.7 | 77 | 0.28 | 8.6 | 5.0 | 70 | | | 0.56 | | NA | 34.631 | 25.2 | 8.24 | 6.06 | | |
| SSW 24" | 7/18/08 | 1031 | 0.09 | 2.9 | 0.1 | 1.6 | 0.09 | 1.3 | 3.1 | 88 | 0.21 | 6.4 | 8.7 | 122 | | | 0.77 | | | 34.710 | 26.6 | 8.10 | 6.18 | | |
| SSW 24" | 8/13/08 | 1051 | 0.62 | 19.2 | 0.2 | 2.3 | 0.54 | 7.5 | 2.9 | 81 | 0.36 | 11.0 | 8.9 | 125 | | | 0.59 | | | 34.674 | 26.5 | 7.99 | 5.16 | | |
| SSW 24" | 9/8/08 | 858 | 0.07 | 2.1 | 0.2 | 2.3 | 0.35 | 4.9 | 1.9 | 52 | 0.29 | 9.1 | 8.1 | 113 | | | 1.51 | | | 34.777 | 26.1 | 7.98 | 5.68 | | |
| SSW 24" | 10/23/08 | 1003 | 0.09 | 2.7 | 0.3 | 3.7 | 1.59 | 22.3 | 1.8 | 52 | 0.48 | 14.9 | 8.4 | 118 | | | 0.71 | | | 34.88 | 26.6 | 8.19 | 6.28 | | |
| SSW 24" | 11/28/08 | 1035 | 0.15 | 4.5 | 0.2 | 2.3 | 0.07 | 1.0 | 2.2 | 62 | 0.38 | 11.9 | 5.7 | 80 | | | 1.26 | | | 34.81 | 25.5 | 8.28 | 5.88 | | |
| SSW 24" | 12/30/08 | 907 | 0.21 | 6.4 | 0.2 | 3.1 | 0.36 | 5.0 | 1.9 | 52 | 0.35 | 10.7 | 6.3 | 88 | | | 0.91 | | | 34.68 | 25.3 | 8.29 | 6.25 | | |
| SSW 24" | 1/12/09 | 1048 | 0.12 | 3.6 | 0.2 | 2.8 | 0.12 | 1.7 | 2.6 | 72 | 0.32 | 9.9 | 5.0 | 70 | | | 1.40 | | | 35.001 | 25.0 | 8.25 | 6.26 | | |
| SSW 24" | 2/20/09 | 1125 | 0.07 | 2.2 | 0.2 | 3.2 | 0.19 | 2.6 | 1.7 | 46 | 0.61 | 18.9 | 7.1 | 99 | | | 0.27 | | 0.07 | 35.250 | 24.1 | 8.21 | 6.81 | | |
| SSW 24" | 3/30/09 | 1108 | 0.20 | 6.3 | 1.2 | 17.1 | 2.93 | 41.1 | 3.3 | 92 | 0.44 | | | | | | | | | | | | | | |

NELHA Water Quality Laboratory

SSW 24"

Intake Depth: 10 m, Offshore Pipe Length: 81 m

| SITE ID | DATE MDY | TIME (2400) | PO ₄ ³⁻ (µM) | (µg P/L) | NO ₃ ⁻ & NO ₂ ⁻ (µM) | (µg N/L) | NH ₄ ⁺ & NH ₃ (µM) | (µg N/L) | Si (µg Si/L) | TDP (µg P/L) | TDN (µM) | TOC (mgC/L) | TSS (mg/L) | Turbidity (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL | |
|---------|-------------|----------------|---------------------------------------|----------|---|----------|--|----------|-----------------|-----------------|-------------|----------------|---------------|--------------------|----------------|-------------------|--------------|--------------|-------------|---------------------|---|------|
| SSW 24" | 7/10/09 | 835 | 0.41 | 12.6 | 0.7 | 9.9 | 0.71 | 9.9 | 6.3 | 178 | 0.32 | 9.8 | 7.6 | 106 | | 1.44 | | | 34.91 | 26.0 | 8.29 | 6.00 |
| SSW 24" | 8/27/09 | 1024 | 0.15 | 4.8 | 0.2 | 3.1 | 0.26 | 3.7 | 2.7 | 77 | 0.21 | 6.6 | 4.1 | 57 | | 0.74 | 0.04 | | 35.00 | 27.3 | 8.19 | 5.59 |
| SSW 24" | 9/17/09 | 1034 | 0.10 | 3.0 | 1.0 | 13.6 | 0.36 | 5.1 | 9.5 | 266 | 0.24 | 7.4 | 3.8 | 53 | | 1.30 | 0.04 | | 34.24 | 26.3 | 7.96 | 6.86 |
| SSW 24" | 10/26/09 | 1038 | 0.08 | 2.6 | 0.1 | 2.0 | 0.49 | 6.9 | 7.0 | 196 | 0.23 | 7.0 | 4.4 | 62 | | 1.08 | | | 35.45 | 26.6 | 8.18 | 6.02 |
| SSW 24" | 11/19/09 | 1402 | 0.14 | 4.4 | 0.2 | 2.7 | 0.48 | 6.7 | 5.2 | 145 | 0.35 | 10.7 | 5.9 | 82 | | 0.39 | | | 35.35 | 26.2 | 8.17 | 6.40 |
| SSW 24" | 12/3/09 | 959 | 0.17 | 5.2 | 0.2 | 2.3 | 0.49 | 6.8 | 3.0 | 83 | 0.46 | 14.1 | 4.7 | 66 | | 0.40 | | | 35.15 | 24.9 | 8.25 | 6.70 |
| SSW 24" | 1/14/10 | 1013 | 0.17 | 5.2 | 0.2 | 3.3 | 0.23 | 3.2 | 1.5 | 41 | 0.44 | 13.7 | 8.7 | 122 | | 0.28 | | | 35.11 | 25.4 | 8.18 | 6.97 |
| SSW 24" | 2/16/10 | 1145 | 0.17 | 5.2 | 0.1 | 2.0 | 0.34 | 4.7 | 14.3 | 402 | 0.36 | 11.3 | 3.5 | 49 | | 0.65 | | | 34.81 | 25.3 | 8.23 | 5.99 |
| SSW 24" | 3/15/10 | 1001 | 0.12 | 3.6 | 0.1 | 0.9 | 0.11 | 1.5 | 9.4 | 265 | 0.30 | 9.2 | 3.8 | 53 | | 1.30 | | | 34.95 | 24.5 | 8.19 | 6.57 |
| SSW 24" | 4/1/10 | 902 | 0.10 | 3.1 | 0.2 | 2.8 | 0.25 | 3.5 | 5.8 | 164 | 0.28 | 8.6 | 4.5 | 63 | | 0.60 | 0.06 | | 35.05 | 23.8 | 8.21 | 6.90 |
| SSW 24" | 5/10/10 | 913 | 0.06 | 1.9 | 0.2 | 2.8 | 0.50 | 7.0 | 9.0 | 252 | 0.46 | 14.4 | 7.2 | 101 | | 1.20 | 0.14 | | 34.90 | 25.3 | 8.26 | 6.31 |
| SSW 24" | 6/23/10 | 941 | 0.01 | 0.4 | 0.4 | 5.0 | 0.36 | 5.0 | 2.2 | 63 | 0.27 | 8.3 | 4.4 | 62 | | 1.50 | 0.07 | | 34.81 | 25.5 | 8.21 | 6.15 |
| SSW 24" | 7/1/10 | 1057 | 0.02 | 0.6 | 0.29 | 4.0 | 0.30 | 4.2 | 3.6 | 101 | 0.3 | 10.1 | 8.0 | 112 | | 1.00 | 0.05 | | 34.99 | 25.9 | 8.22 | 5.04 |
| SSW 24" | 8/5/10 | 963 | 0.04 | 1.3 | 0.20 | 2.8 | 0.09 | 1.2 | 3.6 | 100 | 0.3 | 8.7 | 5.4 | 76 | | 0.85 | 0.05 | | 34.79 | 26.0 | 8.20 | 6.28 |
| SSW 24" | 9/2/10 | 1013 | 0.03 | 1.0 | 0.20 | 2.8 | 0.09 | 1.3 | 2.3 | 65 | 0.3 | 9.1 | 4.6 | 65 | | 1.35 | 0.04 | | 34.72 | 26.3 | 8.21 | 6.19 |
| SSW 24" | 10/18/10 | 943 | 0.10 | 3.0 | 0.20 | 2.8 | 0.20 | 2.8 | 3.1 | 87 | 0.4 | 12.9 | 5.4 | 76 | | 0.85 | 0.10 | | 34.92 | 26.3 | 8.20 | 6.02 |
| SSW 24" | 11/4/10 | 1005 | 0.05 | 1.5 | 0.61 | 8.5 | 0.59 | 8.3 | 6.2 | 175 | 0.4 | 11.7 | 7.4 | 104 | | 1.00 | 0.06 | | 34.99 | 26.6 | 8.24 | 6.00 |
| SSW 24" | 12/1/10 | 1013 | 0.11 | 3.5 | 0.69 | 9.7 | 0.21 | 2.9 | 5.8 | 162 | 0.4 | 13.0 | 5.3 | 74 | | 1.40 | 0.14 | | 34.78 | 25.9 | 8.22 | 5.87 |
| SSW 24" | 1/25/11 | 957 | 0.19 | 6.0 | 0.51 | 7.2 | 0.11 | 1.5 | 3.2 | 90 | 0.6 | 18.0 | 5.5 | 77 | | 1.00 | 0.05 | | 34.72 | 25.1 | 8.21 | 5.90 |
| SSW 24" | 2/8/11 | 1009 | 0.15 | 4.5 | 0.40 | 5.6 | 0.51 | 7.2 | 10.6 | 296 | 0.5 | 14.4 | 7.6 | 107 | | 1.30 | 0.08 | | 35.11 | 25.2 | 8.28 | 6.37 |
| SSW 24" | 3/7/11 | 1109 | 0.23 | 7.0 | 0.64 | 9.0 | 0.46 | 6.4 | 2.7 | 76 | 0.5 | 15.0 | 4.0 | 56 | | 1.20 | 0.08 | | 34.38 | 25.3 | 8.23 | 6.25 |
| SSW 24" | 4/11/11 | 1128 | 0.18 | 5.5 | 0.35 | 4.9 | 0.12 | 1.7 | 1.2 | 33 | 0.5 | 14.3 | 9.8 | 137 | | 1.22 | 0.06 | | 35.02 | 25.2 | 8.17 | 5.51 |
| SSW 24" | 5/25/11 | 922 | 0.09 | 2.7 | 0.38 | 5.3 | 0.24 | 3.4 | 0.9 | 26 | 0.4 | 11.3 | 5.2 | 73 | | 1.44 | 0.09 | | 34.68 | 25.3 | 8.26 | 6.38 |
| SSW 24" | 6/13/11 | 1036 | 0.20 | 6.1 | 0.53 | 7.4 | 0.27 | 3.8 | 1.8 | 50 | 0.5 | 14.6 | 5.9 | 83 | | 1.33 | 0.06 | | 34.66 | 25.1 | 8.21 | 7.01 |
| SSW 24" | 7/21/11 | 919 | 0.15 | 4.6 | 0.37 | 5.2 | 0.24 | 3.3 | 0.6 | 18 | 0.4 | 13.9 | 4.9 | 69 | | 1.44 | 0.06 | | 34.79 | 25.6 | 8.20 | 6.50 |
| SSW 24" | 8/22/11 | 1033 | 0.04 | 1.2 | 0.43 | 6.0 | 0.16 | 2.2 | 1.5 | 42 | 0.4 | 11.2 | 5.2 | 72 | | 0.95 | 0.03 | | 34.89 | 26.1 | 8.23 | 6.60 |
| SSW 24" | 9/15/11 | 947 | 0.08 | 2.5 | 0.32 | 4.5 | 0.13 | 1.8 | 1.5 | 43 | 0.5 | 14.0 | 6.9 | 96 | | 0.54 | 0.07 | | 34.72 | 26.8 | 8.20 | 6.10 |
| SSW 24" | 10/4/11 | 811 | 0.10 | 3.2 | 0.43 | 6.0 | 0.19 | 2.7 | 2.8 | 79 | 0.4 | 13.6 | 10.9 | 153 | | 0.44 | 0.07 | | 34.89 | 26.6 | 8.19 | 6.02 |
| SSW 24" | 11/21/11 | 1220 | 0.13 | 4.0 | 0.78 | 10.9 | 0.19 | 2.7 | 2.0 | 56 | 0.4 | 12.5 | 5.2 | 73 | | 0.65 | 0.13 | | 35.00 | 25.6 | 8.19 | 6.24 |
| SSW 24" | 12/27/11 | 1033 | 0.01 | 0.2 | 0.70 | 9.8 | 0.16 | 2.3 | 1.4 | 38 | 0.3 | 9.5 | 6.3 | 88 | | 0.64 | 0.15 | | 34.95 | 24.6 | 8.23 | 6.00 |
| SSW 24" | 1/30/12 | 1035 | 0.06 | 1.8 | 0.51 | 7.2 | 0.19 | 2.6 | 2.0 | 57 | 0.4 | 11.1 | 5.1 | 71 | | 1.46 | 1.50 | | 34.95 | 24.6 | 8.21 | 5.87 |
| SSW 24" | 2/27/12 | 1035 | 0.06 | 2.0 | 0.38 | 5.3 | 0.01 | 0.2 | 2.5 | 71 | 0.4 | 11.3 | 6.8 | 95 | | 1.26 | 0.12 | | 35.18 | 24.0 | 8.23 | 6.46 |
| SSW 24" | 3/28/12 | 1015 | 0.15 | 4.6 | 0.02 | 0.3 | 0.36 | 5.0 | 1.4 | 39 | 0.5 | 14.3 | 6.8 | 95 | | 0.89 | 0.03 | | 34.98 | 23.9 | 8.23 | 6.39 |
| SSW 24" | 4/16/12 | 1026 | 0.16 | 4.9 | 0.39 | 5.4 | 0.12 | 1.7 | 0.4 | 12 | 0.5 | 14.3 | 7.0 | 98 | | 0.96 | 0.04 | | 34.74 | 24.5 | 8.20 | 6.21 |
| SSW 24" | 5/24/12 | 849 | 0.16 | 5.1 | 0.38 | 5.3 | 0.21 | 3.0 | 2.3 | 65 | 0.5 | 15.9 | 5.3 | 74 | | 0.71 | 0.09 | | 34.86 | 24.5 | 8.21 | 6.57 |
| SSW 24" | 6/19/12 | 1026 | 0.15 | 4.8 | 0.49 | 6.8 | 0.32 | 4.5 | 3.6 | 100 | 0.4 | 12.1 | 6.4 | 90 | | 0.90 | 0.09 | | 35.04 | 25.1 | 8.14 | 6.54 |
| SSW 24" | 7/3/12 | 815 | 0.06 | 1.8 | 0.59 | 8.3 | 0.29 | 4.0 | 3.0 | 83 | 0.4 | 11.3 | 4.2 | 59 | | 1.92 | 0.03 | | 34.90 | 25.4 | 8.20 | 6.61 |
| SSW 24" | 8/27/12 | 1105 | 0.03 | 1.0 | 0.61 | 8.6 | 0.24 | 3.3 | 2.8 | 79 | 0.4 | 13.6 | 6.2 | 87 | | 1.28 | 0.03 | | 35.32 | 26.4 | 8.21 | 6.63 |
| SSW 24" | 9/26/12 | 1047 | 0.04 | 1.3 | 0.29 | 4.0 | 0.26 | 3.6 | 1.5 | 42 | 0.5 | 15.1 | 11.6 | 162 | | 1.22 | 0.05 | | 35.24 | 26.6 | 8.21 | 5.90 |
| SSW 24" | 10/10/12 | 958 | 0.07 | 2.1 | 0.61 | 8.5 | 0.26 | 3.7 | 3.2 | 89 | 0.4 | 11.9 | 6.4 | 89 | | 1.13 | 0.04 | | 35.23 | 26.4 | 8.21 | 5.88 |
| SSW 24" | 11/19/12 | 1325 | 0.21 | 6.6 | 0.21 | 3.0 | 0.24 | 3.3 | 5.1 | 143 | 0.4 | 11.7 | 4.9 | 69 | | 1.24 | 0.06 | | 35.19 | 26.2 | 8.24 | 6.55 |
| SSW 24" | 12/19/12 | 941 | 0.15 | 4.6 | 0.31 | 4.3 | 0.38 | 5.3 | 6.0 | 169 | 0.5 | 15.0 | 6.5 | 91 | | 1.03 | 0.02 | | 35.22 | 25.0 | 8.26 | 6.47 |
| SSW 24" | 1/4/13 | 1016 | 0.11 | 3.3 | 0.39 | 5.5 | 0.15 | 2.1 | 0.4 | 12 | 0.4 | 13.8 | 4.9 | 69 | | 1.16 | 0.04 | | 35.21 | 25.0 | 8.22 | 6.01 |
| SSW 24" | 2/13/13 | 1023 | 0.15 | 4.5 | 0.32 | 4.5 | 0.01 | 0.1 | 2.6 | 74 | 0.5 | 15.2 | 5.6 | 78 | | 1.27 | 0.02 | | 35.10 | 24.6 | 8.22 | 5.79 |
| SSW 24" | 3/18/13 | 1133 | 0.14 | 4.4 | 0.49 | 6.9 | 0.52 | 7.3 | 2.3 | 64 | 0.4 | 12.9 | 4.5 | 63 | | 0.96 | 0.03 | | 34.94 | 24.4 | 8.22 | 5.75 |
| SSW 24" | 4/3/13 | 1237 | 0.11 | 3.4 | 0.18 | 2.5 | 0.18 | 2.5 | 2.7 | 75 | 0.4 | 13.5 | 4.1 | 58 | | 1.22 | 0.02 | | 35.26 | 24.6 | 8.22 | 5.98 |
| SSW 24" | 5/29/13 | 952 | 0.28 | 8.6 | 0.33 | 4.6 | 0.33 | 4.6 | 2.2 | 61 | 0.7 | 21.4 | 7.7 | 107 | | 1.47 | 0.02 | | 34.99 | 26.5 | 8.20 | 5.76 |
| SSW 24" | 6/13/13 | 1043 | 0.27 | 8.3 | 0.41 | 5.7 | 0.41 | 5.7 | 2.1 | 59 | 0.6 | 18.0 | 5.1 | 71 | | 1.29 | 0.05 | | 34.92 | 26.1 | 8.17 | 5.69 |

NELHA Water Quality Laboratory

SSW 24"

Intake Depth: 10 m, Offshore Pipe Length: 81 m

| SITE ID | DATE MDY | TIME (2400) | PO ₄ ³⁻ (µM) | (µg P/L) | NO ₂ ⁻ & NO ₃ ⁻ (µM) | (µg N/L) | NH ₄ ⁺ & NH ₃ (µM) | (µg N/L) | Si (µg Si/L) | TDP (µg P/L) | TDN (µM) | TOC (mgC/L) | TSS (mg/L) | Turbidity (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL | |
|---------|-------------|----------------|---------------------------------------|----------|---|----------|--|----------|-----------------|-----------------|-------------|----------------|---------------|--------------------|----------------|-------------------|--------------|--------------|-------------|---------------------|---|------|
| SSW 24" | 7/1/13 | 1000 | 0.20 | 6.3 | 0.40 | 5.6 | 0.19 | 2.7 | 1.7 | 49 | 0.6 | 17.5 | 6.8 | 96 | | 0.99 | 0.07 | | 34.93 | 26.2 | 8.24 | 6.28 |
| SSW 24" | 8/14/13 | 949 | 0.19 | 5.9 | 0.45 | 6.3 | 0.36 | 5.0 | 2.1 | 59 | 0.4 | 12.8 | 5.3 | 74 | | 1.15 | 0.03 | | 35.27 | 26.6 | 8.23 | 6.14 |
| SSW 24" | 9/18/13 | 857 | 0.19 | 6.0 | 0.07 | 1.0 | 0.31 | 4.3 | 2.9 | 80 | 0.5 | 15.3 | 5.1 | 72 | | 0.78 | 0.02 | | 35.02 | 27.1 | 8.21 | 5.72 |
| SSW 24" | 10/10/13 | 1022 | 0.22 | 6.8 | 0.39 | 5.4 | 0.32 | 4.5 | 1.9 | 54 | 0.5 | 16.8 | 6.8 | 96 | | 1.52 | 0.09 | | 35.11 | 26.4 | 8.23 | 5.61 |
| SSW 24" | 11/21/13 | 1024 | 0.18 | 5.7 | 0.43 | 6.0 | 0.49 | 6.9 | 2.9 | 83 | 0.5 | 14.1 | 5.6 | 79 | | 1.31 | 0.02 | | 35.22 | 26.4 | 8.20 | 6.08 |
| SSW 24" | 12/23/13 | 938 | 0.18 | 5.7 | 0.44 | 6.2 | 0.53 | 7.4 | 1.7 | 48 | 0.5 | 16.8 | 5.1 | 72 | | 1.22 | 0.02 | | 35.17 | 25.8 | 8.22 | 5.78 |
| SSW 24" | 1/23/14 | 1215 | 0.16 | 5.1 | 0.36 | 5.0 | 0.41 | 5.8 | 3.1 | 86 | 0.5 | 15.4 | 6.5 | 91 | | 2.48 | 0.02 | | 35.25 | 25.1 | 8.21 | 5.34 |
| SSW 24" | 2/12/14 | 1118 | 0.13 | 4.0 | 0.35 | 4.9 | 0.37 | 5.2 | 1.2 | 35 | 0.4 | 13.6 | 6.7 | 94 | | 0.77 | | | 35.05 | 25.2 | 8.21 | 6.40 |
| SSW 24" | 3/17/14 | 1037 | 0.25 | 7.7 | 0.54 | 7.6 | 0.25 | 3.5 | 1.9 | 54 | 0.5 | 16.9 | 6.5 | 92 | | 1.46 | 0.05 | | 34.81 | 25.7 | 8.20 | 6.20 |
| SSW 24" | 4/10/14 | 941 | 0.22 | 6.7 | 0.47 | 6.6 | 0.20 | 2.8 | 1.5 | 43 | 0.5 | 15.7 | 5.4 | 76 | | 1.07 | 0.09 | | 34.90 | 25.7 | 8.21 | 6.11 |
| SSW 24" | 5/13/14 | 1317 | 0.21 | 6.6 | 0.63 | 8.8 | 0.33 | 4.6 | 1.8 | 52 | 0.5 | 14.2 | 8.0 | 112 | | 1.41 | 0.09 | | 34.94 | 26.2 | 8.23 | 6.07 |
| SSW 24" | 6/24/14 | 1143 | 0.22 | 6.7 | 0.56 | 7.8 | 0.50 | 7.0 | 6.9 | 194 | 0.8 | 23.3 | 6.0 | 83 | | 1.61 | 0.03 | | 34.84 | 26.1 | 8.20 | 4.92 |
| SSW 24" | 7/23/14 | 1055 | 0.23 | 7.0 | 0.49 | 6.8 | 0.26 | 3.7 | 3.5 | 99 | 0.5 | 15.9 | 5.7 | 80 | | 1.18 | 0.23 | | 34.99 | 27.6 | 8.21 | 6.53 |
| SSW 24" | 8/11/14 | 1141 | 0.13 | 3.9 | 0.26 | 3.7 | 0.38 | 5.3 | 0.4 | 12 | 0.3 | 10.4 | 4.6 | 64 | | 1.44 | 0.03 | | 34.94 | 27.1 | 8.21 | 6.01 |
| SSW 24" | 9/28/14 | 1146 | 0.18 | 5.5 | 0.41 | 5.8 | 0.22 | 3.1 | 0.8 | 24 | 0.5 | 14.6 | 7.9 | 111 | | 1.60 | 0.07 | | 34.90 | 28.1 | 8.22 | 5.64 |
| SSW 24" | 10/15/14 | 1156 | 0.15 | 4.8 | 0.15 | 2.1 | 0.30 | 4.2 | 0.6 | 16 | 0.6 | 18.3 | 8.9 | 125 | | 1.69 | 0.11 | | 34.97 | 27.7 | 8.21 | 5.85 |
| SSW 24" | 11/25/14 | 1233 | 0.14 | 4.3 | 0.04 | 0.5 | 0.29 | 4.1 | 0.2 | 6 | 0.4 | 13.0 | 6.0 | 84 | | 2.00 | 0.07 | | 34.97 | 27.0 | 8.21 | 5.60 |
| SSW 24" | 12/30/14 | 930 | 0.14 | 4.2 | 0.21 | 2.9 | 0.41 | 5.8 | 0.1 | 3 | 0.5 | 15.9 | 8.0 | 113 | | 1.31 | 0.10 | | 35.26 | 25.1 | 8.21 | 6.42 |
| SSW 24" | 1/21/15 | 1047 | 0.19 | 5.8 | 0.24 | 3.3 | 0.44 | 6.2 | 1.4 | 39 | 0.5 | 15.6 | 6.3 | 88 | | 6.49 | 0.04 | | 35.27 | 25.3 | 8.22 | 6.06 |
| SSW 24" | 2/18/15 | 911 | 0.25 | 7.6 | 0.70 | 9.8 | 0.46 | 6.4 | 3.0 | 85 | 0.5 | 16.0 | 8.5 | 119 | | 5.16 | 0.11 | | 34.79 | 24.9 | 8.13 | 5.63 |
| SSW 24" | 3/9/15 | 1309 | 0.15 | 4.7 | 0.52 | 7.3 | 0.43 | 6.0 | 1.5 | 43 | 0.3 | 8.8 | 9.3 | 131 | | 5.15 | 0.04 | | 33.85 | 25.3 | 8.22 | 5.34 |
| SSW 24" | 4/28/15 | 1522 | 0.17 | 5.3 | 0.36 | 5.1 | 0.29 | 4.1 | 0.7 | 21 | 0.4 | 11.1 | 7.5 | 106 | | 5.20 | 0.04 | | 34.44 | 26.2 | 8.14 | 4.67 |
| SSW 24" | 5/14/15 | 1006 | 0.14 | 4.4 | 0.17 | 2.4 | 0.06 | 0.9 | 1.4 | 39 | 0.2 | 7.5 | 6.4 | 89 | | 1.40 | 0.02 | | 34.65 | 25.6 | 8.18 | 6.46 |
| SSW 24" | 6/3/15 | 942 | 0.31 | 9.7 | 0.75 | 10.5 | 0.39 | 5.4 | 2.2 | 62 | 0.6 | 18.8 | 6.2 | 88 | | 1.65 | 0.02 | | 34.51 | 26.2 | 8.17 | 5.64 |
| SSW 24" | 7/7/15 | 857 | 0.05 | 1.7 | 0.15 | 2.1 | 0.18 | 2.5 | 1.1 | 31 | 0.4 | 11.1 | 5.6 | 78 | | 2.25 | 0.07 | | 34.94 | 25.7 | 8.12 | 5.89 |
| SSW 24" | 8/14/15 | 1002 | 0.12 | 3.6 | 0.16 | 2.2 | 0.17 | 2.4 | 1.1 | 32 | 0.4 | 12.4 | 8.6 | 121 | | 1.90 | 0.02 | | 34.01 | 28.6 | 8.10 | 5.01 |
| SSW 24" | 9/16/15 | 1005 | 0.13 | 4.1 | 0.59 | 8.2 | 0.36 | 5.0 | 2.4 | 67 | 0.2 | 7.0 | 9.2 | 129 | | 1.70 | 0.09 | | 34.29 | 29.5 | 8.14 | 5.59 |
| SSW 24" | 10/28/15 | 1356 | 0.12 | 3.8 | 0.90 | 12.6 | 0.25 | 3.5 | 2.6 | 73 | 0.4 | 13.0 | 5.4 | 76 | | 1.95 | 0.07 | | 33.36 | 28.2 | 8.21 | 5.40 |
| SSW 24" | 11/5/15 | 1009 | 0.06 | 2.0 | 0.36 | 5.0 | 0.09 | 1.3 | 1.2 | 33 | 0.3 | 10.3 | 6.1 | 85 | | 1.85 | 0.09 | | 34.07 | 28.1 | 8.19 | 5.69 |
| SSW 24" | 12/9/15 | 1056 | 0.13 | 3.9 | 0.44 | 6.1 | 0.58 | 8.1 | 2.7 | 75 | 0.5 | 15.1 | 5.2 | 73 | | 2.35 | 0.15 | | 34.14 | 26.6 | 8.21 | 6.21 |
| SSW 24" | 1/15/16 | 1117 | 0.12 | 3.6 | 0.46 | 6.5 | 0.42 | 5.9 | 2.7 | 75 | 0.4 | 11.8 | 5.7 | 80 | | 2.00 | 0.08 | | 33.86 | 25.3 | 8.18 | 5.95 |
| SSW 24" | 2/11/16 | 946 | 0.09 | 2.8 | 0.49 | 6.8 | 0.16 | 2.2 | 1.3 | 38 | 0.4 | 11.1 | 4.7 | 66 | | 1.95 | 0.06 | | 34.51 | 24.9 | 8.23 | 5.66 |
| SSW 24" | 3/3/16 | 1119 | 0.12 | 3.7 | 1.01 | 14.2 | 0.21 | 2.9 | 0.8 | 22 | 0.5 | 14.4 | 4.9 | 68 | | 1.80 | 0.09 | | 33.54 | 25.3 | 8.19 | 5.54 |
| SSW 24" | 4/12/16 | 1128 | 0.09 | 2.9 | 0.93 | 13.0 | 0.57 | 8.0 | 0.8 | 22 | 0.4 | 11.4 | 4.6 | 65 | | 2.30 | 0.06 | | 34.45 | 25.7 | 8.07 | 5.49 |
| SSW 24" | 5/10/16 | 1055 | 0.08 | 2.4 | 0.21 | 3.0 | 0.10 | 1.4 | 0.0 | 1 | 0.3 | 8.3 | 3.7 | 52 | | 1.60 | 0.04 | | 34.77 | 25.7 | 8.18 | 5.90 |
| SSW 24" | 6/15/16 | 940 | 0.07 | 2.2 | 0.33 | 4.6 | 0.28 | 3.9 | 1.4 | 39 | 0.3 | 10.5 | 3.1 | 44 | | 1.60 | 0.10 | | 34.36 | 26.7 | 8.35 | 5.51 |
| SSW 24" | 7/1/16 | 941 | 0.04 | 1.1 | 0.49 | 6.8 | 0.50 | 7.0 | 0.1 | 2 | 0.3 | 10.3 | 4.4 | 61 | | 3.75 | 0.09 | | 34.73 | 26.1 | 8.25 | 5.70 |
| SSW 24" | 8/25/16 | 934 | 0.03 | 0.8 | 0.20 | 2.8 | 0.45 | 6.3 | 6.9 | 193 | 0.5 | 16.2 | 7.0 | 98 | | 1.70 | 0.05 | | 34.38 | 27.6 | 8.42 | 5.40 |
| SSW 24" | 9/15/16 | 1013 | 0.03 | 1.0 | 1.26 | 17.7 | 0.20 | 2.8 | 6.8 | 191 | 0.4 | 11.0 | 5.9 | 83 | | 1.90 | 0.07 | | 34.45 | 27.6 | 8.23 | 6.18 |
| SSW 24" | 10/20/16 | 1017 | 0.12 | 3.7 | 0.50 | 7.0 | 1.18 | 16.5 | 4.5 | 126 | 0.6 | 17.2 | 6.6 | 92 | | 1.85 | 0.09 | | 34.88 | 27.7 | 8.23 | 5.61 |
| SSW 24" | 11/4/16 | 950 | 0.07 | 2.2 | 0.64 | 8.9 | 0.06 | 0.8 | 2.2 | 62 | 0.5 | 16.3 | 6.0 | 84 | | 2.05 | 0.04 | | 35.01 | 26.9 | 8.22 | 5.26 |
| SSW 24" | 12/29/16 | 949 | 0.05 | 1.4 | 0.29 | 4.1 | 0.25 | 3.5 | 10.3 | 289 | 0.3 | 9.4 | 4.5 | 63 | | 5.60 | 0.06 | | 34.44 | 24.9 | 8.20 | 4.94 |
| SSW 24" | 1/27/17 | 1055 | 0.02 | 0.6 | 0.20 | 2.8 | 0.19 | 2.6 | 2.0 | 56 | 0.3 | 8.9 | 3.2 | 45 | | 2.15 | 0.04 | | 34.67 | 24.9 | 8.21 | 5.50 |
| SSW 24" | 2/23/17 | 955 | 0.11 | 3.3 | 0.44 | 6.1 | 0.27 | 3.8 | 3.6 | 101 | 0.3 | 9.8 | 3.3 | 46 | | 5.65 | 0.07 | | 32.73 | 25.0 | 8.23 | 5.64 |
| SSW 24" | 3/17/17 | 940 | 0.09 | 2.8 | 0.21 | 3.0 | 0.54 | 7.5 | 2.4 | 68 | 0.3 | 10.3 | 3.1 | 44 | | 5.75 | 0.08 | | 33.69 | 25.3 | 8.21 | 5.25 |
| SSW 24" | 4/10/17 | 1041 | 0.13 | 3.9 | 0.45 | 6.3 | 0.25 | 3.5 | 2.9 | 81 | 0.3 | 10.1 | 3.6 | 50 | | 2.70 | 0.08 | | 34.79 | 25.4 | 8.19 | 5.43 |
| SSW 24" | 5/17/17 | 918 | 0.08 | 2.6 | 0.42 | 5.9 | 0.19 | 2.7 | 1.1 | 32 | 0.3 | 10.8 | 3.0 | 41 | | 1.85 | 0.07 | | 33.94 | 25.8 | 8.19 | 4.65 |
| SSW 24" | 6/13/17 | 908 | 0.09 | 2.9 | 0.61 | 8.6 | 0.33 | 4.6 | 2.0 | 57 | 0.3 | 9.6 | 2.7 | 38 | | 6.20 | 0.06 | | 34.49 | 25.9 | 8.25 | 5.23 |

NELHA Water Quality Laboratory

SSW 24"

Intake Depth: 10 m, Offshore Pipe Length: 81 m

| SITE ID | DATE MD/Y | TIME (2400) | PO ₄ ³⁻ (µM) | (µg P/L) | NO ₃ ⁻ & NO ₂ ⁻ (µM) | (µg N/L) | NH ₄ ⁺ & NH ₃ (µM) | (µg N/L) | Si (µM Si/L) | TDP (µg P/L) | TDN (µM) | TOC (mgC/L) | TSS (µg N/L) | Turbidity (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL | |
|---------|--------------|----------------|---------------------------------------|----------|---|----------|--|----------|-----------------|-----------------|-------------|----------------|-----------------|--------------------|----------------|-------------------|--------------|--------------|-------------|---------------------|---|------|
| SSW 24" | 7/13/17 | 1033 | 0.02 | 0.7 | 0.29 | 4.0 | 0.34 | 4.7 | 1.6 | 46 | 0.3 | 8.0 | 3.0 | 42 | | 1.85 | 0.05 | | 34.93 | 27.6 | 8.22 | 4.17 |
| SSW 24" | 8/2/17 | 925 | 0.08 | 2.6 | 0.14 | 2.0 | 0.30 | 4.2 | 2.2 | 60 | 0.4 | 11.8 | 3.8 | 53 | | 1.90 | 0.09 | | 34.99 | 27.0 | 8.15 | 5.75 |
| SSW 24" | 9/12/17 | 932 | 0.10 | 3.0 | 0.12 | 1.7 | 0.61 | 8.6 | 0.7 | 19 | 0.9 | 27.7 | 7.9 | 111 | | 2.20 | 0.07 | | 34.34 | 27.4 | 8.17 | 5.01 |
| SSW 24" | 10/12/17 | 1011 | 0.10 | 3.2 | 0.12 | 1.7 | 0.41 | 5.7 | 1.4 | 40 | 0.4 | 11.8 | 3.0 | 42 | | 2.35 | 0.04 | | 33.92 | 28.0 | 8.15 | 4.80 |
| SSW 24" | 11/29/17 | 908 | 0.10 | 3.0 | 0.06 | 0.9 | 0.48 | 6.7 | 2.1 | 59 | 0.4 | 11.6 | 2.9 | 41 | | 5.35 | 0.07 | | 34.75 | 26.3 | 8.18 | 5.58 |
| SSW 24" | 12/27/17 | 1032 | 0.10 | 3.1 | 0.22 | 3.1 | 0.41 | 5.7 | 1.0 | 29 | 0.4 | 12.0 | 3.4 | 48 | | 1.50 | 0.07 | | 35.23 | 25.2 | 8.16 | 6.04 |
| SSW 24" | 1/11/18 | 1005 | 0.03 | 0.8 | 0.15 | 2.1 | 0.18 | 2.5 | 0.5 | 14 | 0.3 | 8.3 | 2.3 | 32 | | 5.80 | 0.07 | | 34.88 | 25.1 | 8.18 | 6.19 |
| SSW 24" | 2/14/18 | 927 | 0.10 | 3.1 | 0.01 | 0.2 | 0.44 | 6.2 | 4.6 | 129 | 0.3 | 10.1 | 2.5 | 35 | | 1.75 | 0.08 | | 34.90 | 24.8 | 8.17 | 6.55 |
| SSW 24" | 3/23/18 | 1018 | 0.13 | 4.0 | 0.26 | 3.7 | 0.24 | 3.4 | 1.7 | 48 | 0.4 | 11.7 | 1.9 | 27 | | 1.55 | 0.07 | | 34.62 | 24.6 | 8.18 | 6.35 |
| SSW 24" | 4/24/18 | 1013 | 0.08 | 2.4 | 0.27 | 3.8 | 0.24 | 3.3 | 2.8 | 80 | 0.3 | 10.7 | 2.8 | 40 | | 2.10 | 0.05 | | 34.48 | 25.6 | 8.22 | 5.73 |
| SSW 24" | 5/8/18 | 903 | 0.09 | 2.7 | 0.15 | 2.1 | 0.56 | 7.8 | 2.1 | 59 | 0.4 | 10.9 | 3.0 | 42 | | 1.40 | 0.11 | | 34.46 | 25.8 | 8.17 | 5.03 |
| SSW 24" | 6/20/18 | 932 | 0.12 | 3.8 | 0.31 | 4.4 | 0.60 | 8.4 | 1.8 | 51 | 0.4 | 11.3 | 2.1 | 29 | | 1.70 | 0.10 | | 35.29 | 26.8 | 8.15 | 5.14 |
| SSW 24" | 7/12/18 | 936 | 0.14 | 4.3 | 0.07 | 1.0 | 0.19 | 2.7 | 1.8 | 50 | 0.4 | 12.5 | 3.7 | 52 | | 1.50 | 0.06 | | 34.66 | 26.9 | 8.20 | 6.27 |
| SSW 24" | 8/13/18 | 948 | 0.04 | 1.1 | 0.84 | 11.8 | 0.11 | 1.5 | 0.1 | 3 | 0.3 | 8.4 | 3.7 | 52 | | 1.75 | 0.07 | | 34.56 | 27.2 | 8.21 | 5.57 |
| SSW 24" | 9/18/18 | 1537 | 0.08 | 2.4 | 0.57 | 8.0 | 0.30 | 4.2 | 0.4 | 11 | 0.4 | 12.2 | 11.5 | 161 | | 0.90 | 0.07 | | 34.68 | 28.3 | 8.23 | 6.00 |
| SSW 24" | 10/11/18 | 852 | 0.05 | 1.5 | 0.16 | 2.2 | 0.23 | 3.2 | 0.2 | 5 | 0.3 | 10.2 | 2.2 | 31 | | 6.25 | 0.12 | | 34.75 | 27.5 | 8.18 | 3.81 |
| SSW 24" | 11/2/18 | 849 | 0.04 | 1.1 | 0.13 | 1.8 | 0.31 | 4.4 | 1.1 | 30 | 0.4 | 11.3 | 2.7 | 37 | | 6.20 | 0.11 | | 34.57 | 27.9 | 8.16 | 4.38 |
| SSW 24" | 12/21/18 | 947 | 0.17 | 5.4 | 0.16 | 2.3 | 0.56 | 7.9 | 0.6 | 17 | 0.4 | 12.9 | 2.6 | 36 | | 6.50 | 0.09 | | 34.44 | 25.6 | 8.22 | 4.03 |
| SSW 24" | 1/15/19 | 931 | 0.11 | 3.4 | 0.29 | 4.1 | 0.20 | 2.8 | 1.6 | 45 | 0.4 | 11.2 | 2.8 | 39 | | 5.05 | 0.25 | | 34.90 | 24.7 | 8.18 | 6.26 |
| SSW 24" | 2/13/19 | 907 | 0.04 | 1.2 | 0.09 | 1.2 | 0.09 | 1.2 | 1.2 | 33 | 0.3 | 9.3 | 2.1 | 30 | | 2.00 | 0.09 | | 34.82 | 24.2 | 8.09 | 6.33 |
| SSW 24" | 3/7/19 | 1503 | 0.17 | 5.3 | 0.46 | 6.5 | 0.18 | 2.5 | 0.5 | 14 | 0.4 | 12.3 | 1.9 | 26 | | 4.95 | 0.09 | | 35.30 | 24.8 | 8.10 | 6.74 |
| SSW 24" | 4/25/19 | 911 | 0.09 | 2.8 | 0.14 | 2.0 | 0.11 | 1.5 | 1.0 | 28 | 0.3 | 10.4 | 2.3 | 33 | | 4.95 | 0.03 | | 35.20 | 26.1 | 8.08 | 6.42 |
| SSW 24" | 5/7/19 | 1021 | 0.07 | 2.2 | 0.19 | 2.7 | 0.41 | 5.7 | 1.2 | 33 | 0.3 | 9.9 | 2.0 | 28 | | 2.50 | 0.04 | | 35.43 | 25.5 | 8.15 | 6.37 |
| SSW 24" | 6/20/19 | 1112 | 0.00 | 0.1 | 0.36 | 5.1 | 0.26 | 3.6 | 1.3 | 36 | 0.2 | 7.2 | 1.9 | 27 | | 6.05 | 0.05 | | 35.44 | 27.0 | 8.16 | 6.31 |
| SSW 24" | 7/17/19 | 916 | 0.10 | 3.0 | 0.13 | 1.8 | 0.27 | 3.8 | 0.4 | 12 | 0.3 | 9.4 | 2.2 | 31 | | 2.00 | 0.08 | | 35.59 | 27.5 | 8.21 | 6.17 |
| SSW 24" | 8/23/19 | 1427 | 0.14 | 4.3 | -0.12 | -1.7 | 0.31 | 4.4 | 1.4 | 38 | 0.4 | 11.0 | 2.0 | 29 | | 1.35 | 0.06 | | 35.13 | 29.0 | 8.19 | 5.88 |
| SSW 24" | 9/26/19 | 1035 | 0.08 | 2.4 | 0.36 | 5.0 | -0.02 | -0.3 | 1.5 | 41 | 0.3 | 10.3 | 2.3 | 32 | | 1.00 | 0.04 | | 34.64 | 28.2 | 8.19 | 6.95 |
| SSW 24" | 10/8/19 | 1002 | 0.04 | 1.1 | 0.46 | 6.4 | 0.19 | 2.6 | 0.8 | 23 | 0.2 | 7.4 | 3.4 | 47 | | 0.75 | 0.05 | | 35.17 | 28.7 | 8.17 | 6.03 |
| SSW 24" | 11/14/19 | 1015 | 0.09 | 2.9 | 0.42 | 5.9 | 0.01 | 0.1 | 0.8 | 22 | 0.3 | 8.5 | 3.6 | 51 | | 1.00 | 0.06 | | 34.88 | 27.6 | 8.16 | 5.98 |
| SSW 24" | 12/17/19 | 857 | 0.15 | 4.5 | -0.09 | -1.2 | 0.26 | 3.7 | 1.3 | 36 | 0.3 | 10.3 | 2.5 | 35 | | 1.55 | 0.11 | | 35.04 | 26.5 | 8.18 | 6.09 |
| SSW 24" | 1/9/20 | 907 | 0.13 | 4.1 | -0.24 | -3.3 | -0.23 | -3.2 | -0.9 | -26 | 0.4 | 11.9 | 2.6 | 36 | | 1.50 | 0.05 | | 34.83 | 25.9 | 8.20 | 6.07 |
| SSW 24" | 2/4/20 | 952 | 0.15 | 4.6 | -0.42 | -5.9 | -0.01 | -0.2 | 0.1 | 2 | 0.4 | 11.7 | 2.0 | 28 | | 1.50 | 0.03 | | 35.59 | 25.3 | 8.19 | 6.01 |
| SSW 24" | 3/17/20 | 1721 | 0.08 | 2.6 | -0.61 | -8.5 | 0.24 | 3.3 | -0.2 | -7 | 0.3 | 9.8 | 1.8 | 25 | | 1.40 | 0.02 | | 35.77 | 25.0 | 8.18 | 6.50 |
| SSW 24" | 4/1/20 | Covid 19 | | | | | | | | | | | | | | | | | 35.85 | 26.4 | 8.15 | 6.11 |
| SSW 24" | 5/21/20 | 1100 | 0.11 | 3.4 | -0.41 | -5.7 | 0.29 | 4.0 | 0.5 | 14 | 0.3 | 9.7 | 2.3 | 32 | | 1.80 | 0.04 | | 36.16 | 26.6 | 8.17 | 6.00 |
| SSW 24" | 6/9/20 | 917 | 0.13 | 3.9 | -0.23 | -3.2 | 0.31 | 4.4 | -0.1 | -4 | 0.3 | 8.2 | 2.6 | 36 | | 1.15 | 0.04 | | | | | |
| SSW 24" | 7/14/20 | 1011 | 0.12 | 3.8 | -0.08 | -1.1 | 0.01 | 0.2 | 1.2 | 33 | 0.3 | 8.4 | 2.3 | 32 | | 1.40 | 0.05 | | 34.00 | 26.8 | 8.14 | 6.68 |
| SSW 24" | 8/25/20 | 917 | 0.09 | 2.8 | -0.16 | -2.3 | 0.40 | 5.6 | 0.4 | 11 | 0.2 | 7.2 | 5.9 | 83 | | 0.90 | 0.03 | | 35.88 | 26.8 | 8.15 | 6.20 |
| SSW 24" | 9/30/20 | 941 | 0.19 | 5.8 | 0.68 | 9.5 | 0.20 | 2.8 | 2.3 | 64 | 0.2 | 7.5 | 6.2 | 87 | | 1.15 | 0.02 | | 35.22 | 27.2 | 8.12 | 6.30 |
| SSW 24" | 10/14/20 | 926 | 0.12 | 3.6 | 0.66 | 9.2 | 0.27 | 3.8 | 0.8 | 24 | 0.2 | 6.5 | 5.0 | 70 | | 1.30 | 0.05 | | 35.28 | 27.4 | 8.09 | 6.19 |
| SSW 24" | 11/4/20 | 1101 | 0.17 | 5.3 | 1.10 | 15.4 | 0.56 | 7.8 | 1.5 | 42 | 0.4 | 10.9 | 8.1 | 113 | | 1.40 | 0.04 | | 35.33 | 28.0 | 8.11 | 6.16 |
| SSW 24" | 12/4/20 | 850 | 0.14 | 4.2 | -0.01 | -0.1 | 0.21 | 3.0 | 0.8 | 21 | 0.3 | 9.0 | 5.2 | 73 | | 1.10 | 0.06 | | 35.56 | 26.7 | 8.08 | 6.28 |
| SSW 24" | 1/14/21 | 900 | 0.16 | 4.9 | 0.58 | 8.1 | -0.02 | -0.3 | 1.0 | 29 | 0.2 | 5.6 | 4.5 | 63 | | 1.40 | 0.05 | | 35.83 | 26.2 | 8.08 | 6.32 |
| SSW 24" | 2/11/21 | 948 | 0.03 | 1.0 | 0.05 | 0.7 | 0.01 | 0.2 | 0.4 | 10 | 0.1 | 2.5 | 4.4 | 61 | | 0.60 | 0.05 | | 35.73 | 25.1 | 8.12 | 6.41 |
| SSW 24" | 3/24/21 | 1208 | 0.14 | 4.2 | 0.19 | 2.7 | 0.06 | 0.8 | -0.5 | -15 | 0.2 | 4.9 | 4.3 | 61 | | 1.55 | 0.09 | | 35.75 | 25.0 | 8.09 | 6.87 |
| SSW 24" | 4/13/21 | 920 | 0.07 | 2.1 | 0.36 | 5.0 | 0.08 | 1.1 | -0.1 | -3 | 0.2 | 5.0 | 4.0 | 56 | | 1.20 | 0.05 | | 35.52 | 25.4 | 8.05 | 6.35 |
| SSW 24" | 5/4/21 | 1114 | 0.05 | 1.5 | 0.50 | 7.0 | 0.07 | 1.0 | 0.2 | 5 | 0.1 | 3.5 | 5.0 | 70 | | 1.00 | 0.05 | | 35.73 | 25.8 | 8.04 | 6.51 |
| SSW 24" | 6/22/21 | 958 | 0.05 | 1.4 | 1.14 | 15.9 | 0.17 | 2.4 | 0.8 | 21 | 0.2 | 7.0 | 5.8 | 81 | | 1.75 | 0.06 | | 35.88 | 26.6 | 8.03 | 6.31 |

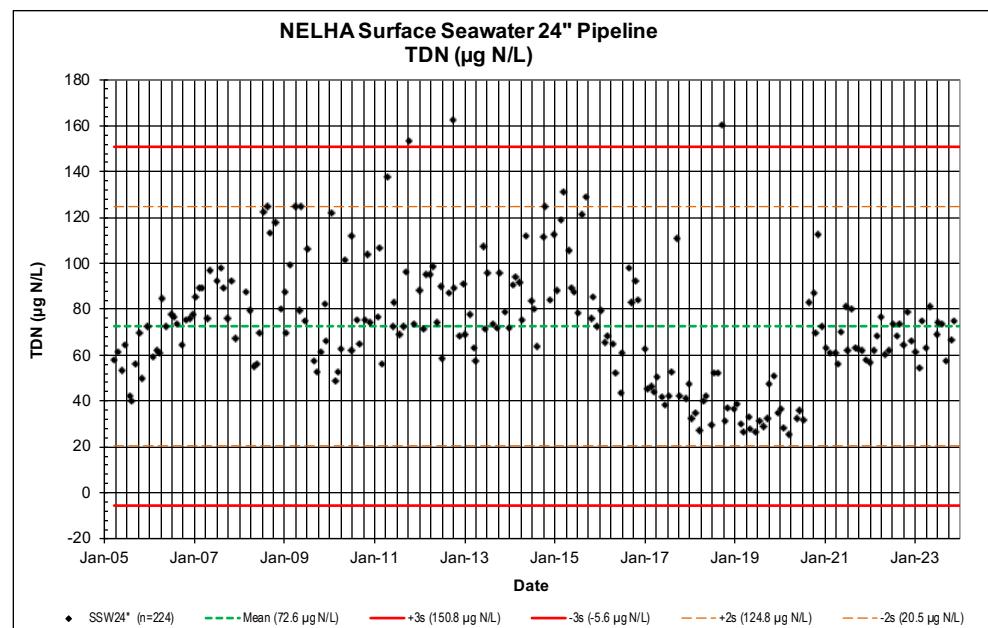
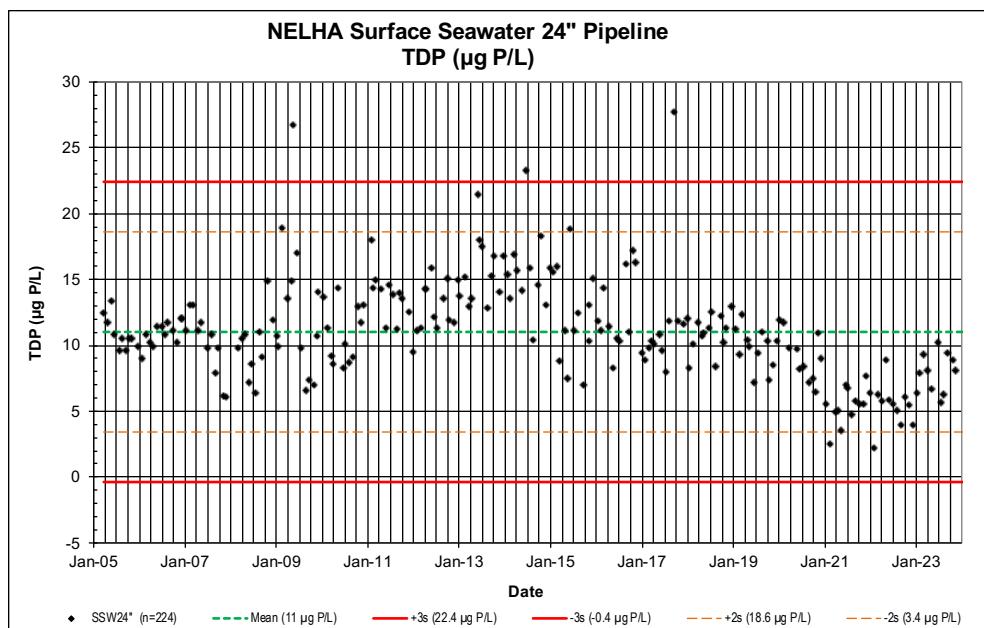
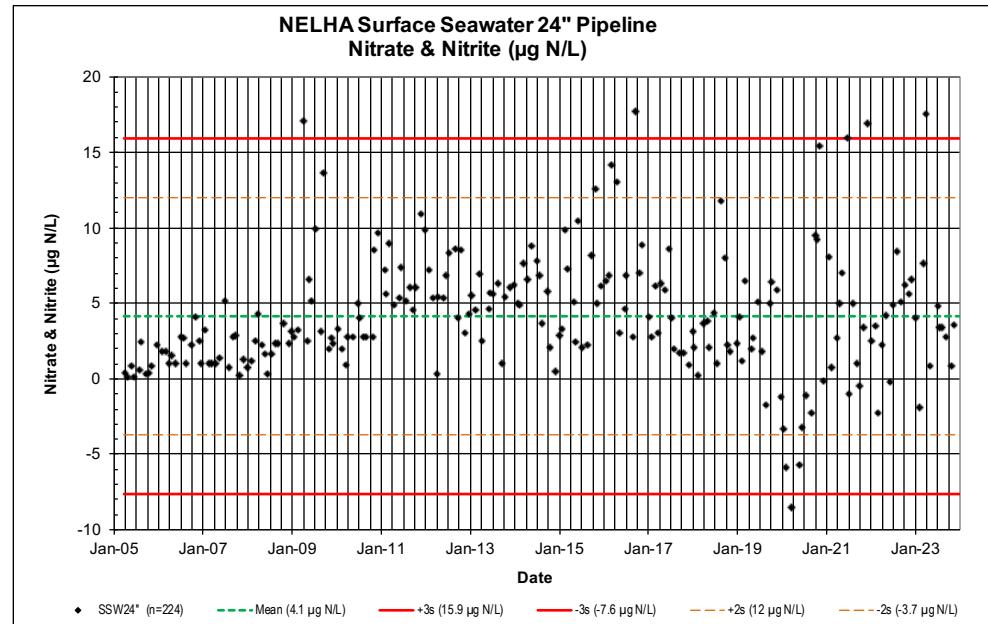
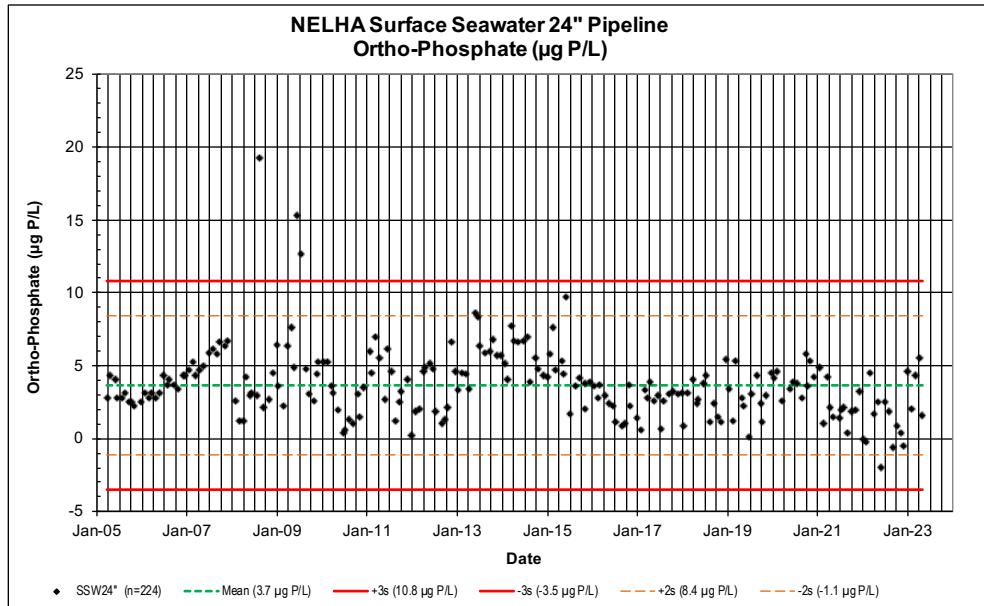
NELHA Water Quality Laboratory

SSW 24"

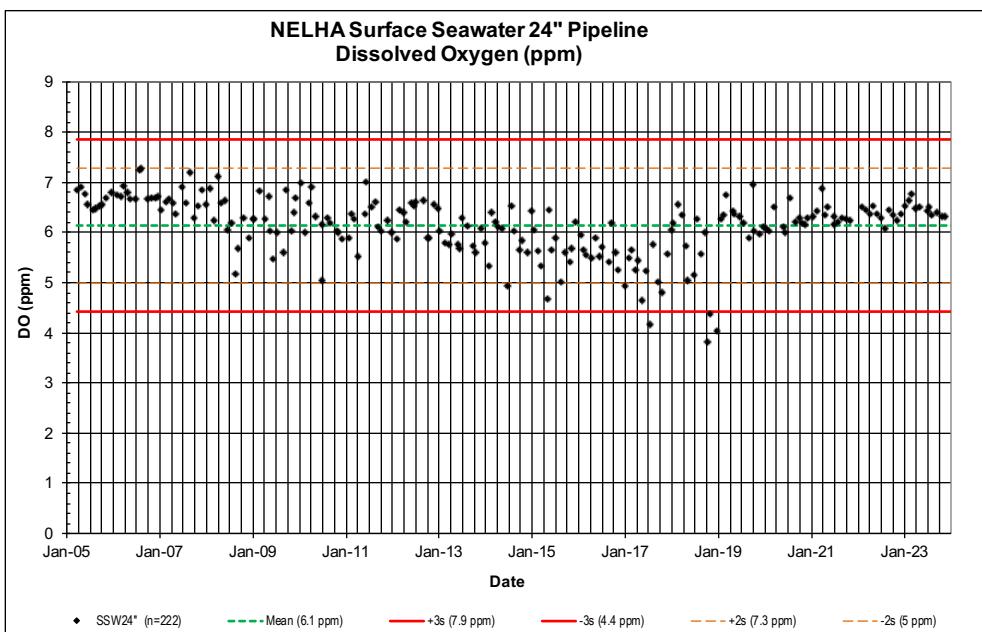
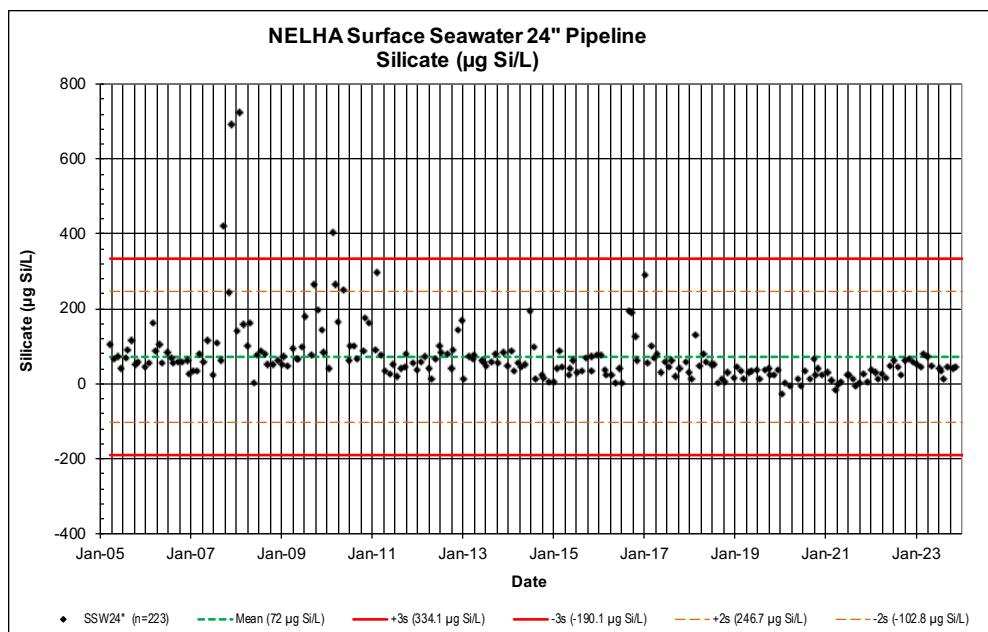
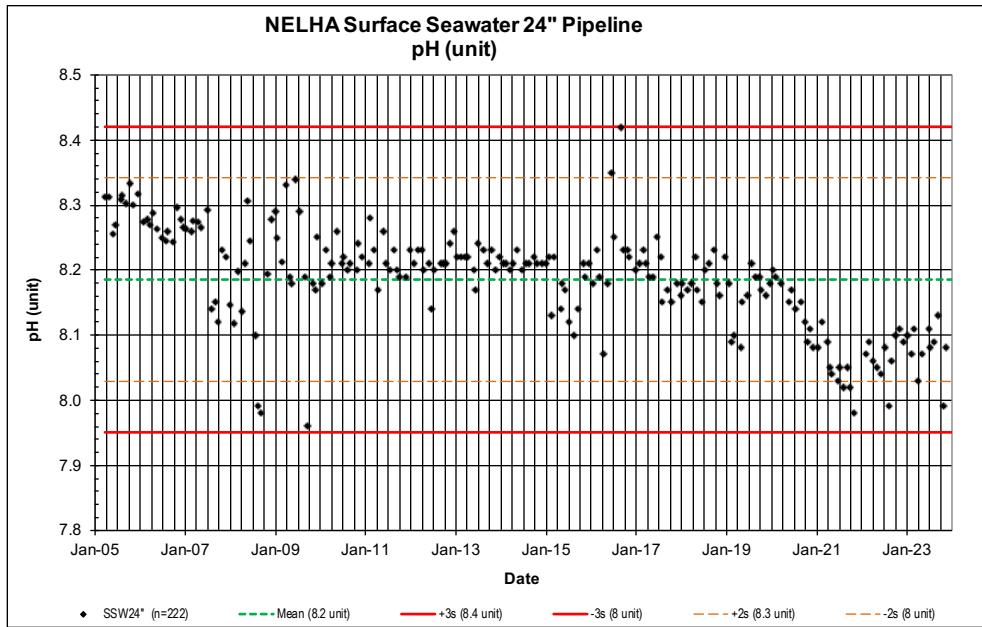
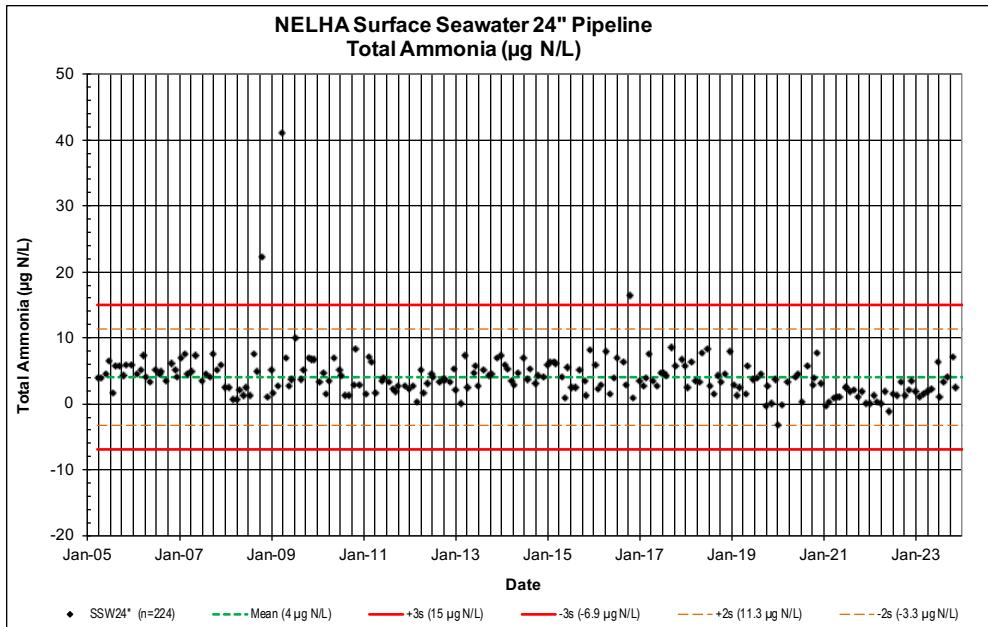
Intake Depth: 10 m, Offshore Pipe Length: 81 m

| SITE ID | DATE MD/Y | TIME (2400) | PO ₄ ³⁻ (µM) | (µg P/L) | NO ₃ ⁻ & NO ₂ ⁻ (µM) | (µg N/L) | NH ₄ ⁺ & NH ₃ (µM) | (µg N/L) | Si (µg Si/L) | TDP (µg P/L) | TDN (µM) | TOC (µg N/L) | TSS (mg/L) | Turbidity (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL | |
|---------------------------|--------------|----------------|---------------------------------------|----------|---|----------|--|----------|-----------------|-----------------|-------------|-----------------|---------------|--------------------|----------------|-------------------|--------------|--------------|-------------|---------------------|---|------|
| SSW 24" | 7/1/21 | 1409 | 0.06 | 1.9 | -0.07 | -1.0 | 0.18 | 2.5 | 0.8 | 24 | 0.2 | 6.8 | 4.4 | 62 | | 1.35 | 0.04 | | 35.41 | 27.3 | 8.05 | 6.16 |
| SSW 24" | 8/1/21 | 950 | 0.07 | 2.1 | 0.36 | 5.0 | 0.14 | 1.9 | 0.5 | 14 | 0.2 | 4.7 | 5.7 | 80 | | 1.60 | 0.08 | | 35.42 | 27.5 | 8.02 | 6.22 |
| SSW 24" | 9/1/21 | 941 | 0.01 | 0.4 | 0.07 | 1.0 | 0.15 | 2.1 | -0.2 | -5 | 0.2 | 5.8 | 4.5 | 63 | | 1.95 | 0.06 | | 35.52 | 26.9 | 8.05 | 6.29 |
| SSW 24" | 10/1/21 | 1308 | 0.06 | 1.8 | -0.04 | -0.5 | 0.08 | 1.1 | 0.0 | 1 | 0.2 | 5.6 | 4.5 | 63 | | 1.90 | 0.08 | | 35.58 | 27.2 | 8.02 | 6.27 |
| SSW 24" | 11/1/21 | 1530 | 0.06 | 1.9 | 0.24 | 3.4 | 0.14 | 1.9 | 0.9 | 26 | 0.2 | 5.6 | 4.4 | 62 | | 0.95 | 0.10 | | 35.30 | 26.3 | 7.98 | 6.24 |
| SSW 24" | 12/1/21 | 1401 | 0.10 | 3.2 | 1.21 | 16.9 | 0.01 | 0.1 | 0.2 | 5 | 0.2 | 7.7 | 4.1 | 58 | | 1.05 | 0.02 | | | | | |
| SSW 24" | 1/1/22 | 1001 | 0.00 | -0.1 | 0.18 | 2.5 | 0.01 | 0.1 | 1.3 | 36 | 0.2 | 6.4 | 4.1 | 57 | | 1.10 | 0.06 | | | | | |
| SSW 24" | 2/1/22 | 856 | -0.01 | -0.3 | 0.25 | 3.5 | 0.09 | 1.3 | 1.1 | 31 | 0.1 | 2.2 | 4.4 | 62 | | 1.10 | 0.09 | | 34.87 | 25.2 | 8.07 | 6.49 |
| SSW 24" | 3/1/22 | 1102 | 0.15 | 4.5 | -0.16 | -2.3 | 0.02 | 0.3 | 0.4 | 12 | 0.2 | 6.3 | 4.9 | 69 | | 0.80 | 0.07 | | 34.52 | 26.0 | 8.09 | 6.45 |
| SSW 24" | 4/1/22 | 1013 | 0.05 | 1.7 | 0.16 | 2.2 | 0.00 | 0.0 | 1.0 | 28 | 0.2 | 5.8 | 5.5 | 77 | | 1.05 | 0.04 | | 34.93 | 26.2 | 8.06 | 6.36 |
| SSW 24" | 5/1/22 | 913 | 0.08 | 2.5 | 0.30 | 4.2 | 0.14 | 1.9 | 0.5 | 15 | 0.3 | 8.9 | 4.3 | 60 | | 0.85 | 0.06 | | 34.52 | 25.3 | 8.05 | 6.54 |
| SSW 24" | 6/1/22 | 945 | -0.06 | -2.0 | -0.01 | -0.2 | -0.09 | -1.2 | 1.7 | 47 | 0.2 | 5.9 | 4.4 | 62 | | 1.00 | 0.08 | | 34.69 | 26.3 | 8.04 | 6.38 |
| SSW 24" | 7/1/22 | 1034 | 0.08 | 2.5 | 0.35 | 4.9 | 0.10 | 1.4 | 2.2 | 62 | 0.2 | 5.6 | 5.3 | 74 | | 1.20 | 0.05 | | 34.86 | 27.1 | 8.08 | 6.30 |
| SSW 24" | 8/1/22 | 1441 | 0.06 | 1.8 | 0.60 | 8.4 | 0.09 | 1.3 | 1.6 | 45 | 0.2 | 5.0 | 4.9 | 68 | | 0.95 | 0.04 | | 34.83 | 27.8 | 7.99 | 6.08 |
| SSW 24" | 9/1/22 | 947 | -0.02 | -0.6 | 0.36 | 5.1 | 0.24 | 3.3 | 0.8 | 22 | 0.1 | 3.9 | 5.3 | 74 | | 0.85 | 0.11 | | 35.02 | 26.8 | 8.06 | 6.44 |
| SSW 24" | 10/1/22 | 1001 | 0.03 | 0.8 | 0.44 | 6.2 | 0.09 | 1.2 | 2.1 | 60 | 0.2 | 6.1 | 4.6 | 64 | | 1.50 | 0.05 | | 34.86 | 27.0 | 8.10 | 6.33 |
| SSW 24" | 11/1/22 | 933 | 0.01 | 0.4 | 0.40 | 5.6 | 0.15 | 2.1 | 2.3 | 65 | 0.2 | 5.5 | 5.6 | 79 | | 0.95 | 0.03 | | 34.94 | 26.8 | 8.11 | 6.23 |
| SSW 24" | 12/1/22 | 1047 | -0.02 | -0.5 | 0.47 | 6.6 | 0.25 | 3.5 | 2.1 | 58 | 0.1 | 3.9 | 4.7 | 66 | | 1.15 | 0.03 | | 35.02 | 25.7 | 8.09 | 6.38 |
| SSW 24" | 1/1/23 | 915 | 0.15 | 4.6 | 0.29 | 4.0 | 0.14 | 1.9 | 1.8 | 51 | 0.2 | 6.4 | 4.4 | 62 | | 0.85 | 0.07 | | 34.89 | 25.2 | 8.10 | 6.53 |
| SSW 24" | 2/1/23 | 920 | 0.06 | 2.0 | -0.14 | -1.9 | 0.08 | 1.1 | 1.5 | 42 | 0.3 | 7.9 | 3.9 | 54 | | 1.55 | 0.14 | | 34.78 | 24.5 | 8.07 | 6.63 |
| SSW 24" | 3/1/23 | 1042 | 0.14 | 4.3 | 0.54 | 7.6 | 0.11 | 1.5 | 2.9 | 80 | 0.3 | 9.3 | 5.3 | 75 | | 1.15 | 0.13 | | 34.73 | 23.8 | 8.11 | 6.77 |
| SSW 24" | 4/1/23 | 935 | 0.18 | 5.5 | 1.25 | 17.5 | 0.14 | 1.9 | 2.6 | 72 | 0.3 | 8.1 | 4.5 | 63 | | 2.05 | 0.09 | | 34.67 | 25.0 | 8.03 | 6.48 |
| SSW 24" | 5/1/23 | 1052 | 0.05 | 1.6 | 0.06 | 0.8 | 0.16 | 2.2 | 1.7 | 48 | 0.2 | 6.7 | 5.8 | 81 | | 1.05 | 0.09 | | 34.77 | 26.1 | 8.07 | 6.51 |
| SSW 24" | 6/30/23 | 952 | 0.19 | 6.0 | 0.34 | 4.8 | 0.46 | 6.4 | 1.5 | 42 | 0.3 | 10.2 | 4.9 | 69 | | 2.20 | 0.06 | | 34.78 | 26.1 | 8.11 | 6.43 |
| SSW 24" | 7/12/23 | 1513 | 0.05 | 1.7 | 0.24 | 3.4 | 0.08 | 1.1 | 1.2 | 34 | 0.2 | 5.7 | 5.3 | 74 | | 0.65 | 0.06 | | 34.64 | 26.3 | 8.08 | 6.50 |
| SSW 24" | 8/4/23 | 1005 | 0.03 | 0.8 | 0.24 | 3.4 | 0.24 | 3.3 | 0.5 | 14 | 0.2 | 6.3 | 5.3 | 74 | | 1.20 | 0.07 | | 34.73 | 27.0 | 8.09 | 6.33 |
| SSW 24" | 9/6/23 | 1328 | 0.17 | 5.3 | 0.20 | 2.8 | 0.29 | 4.0 | 1.6 | 44 | 0.3 | 9.4 | 4.1 | 57 | | 1.40 | 0.08 | | 34.77 | 27.1 | 8.13 | 6.39 |
| SSW 24" | 10/24/23 | 1518 | 0.08 | 2.5 | 0.06 | 0.8 | 0.51 | 7.2 | 1.4 | 40 | 0.3 | 8.9 | 4.8 | 67 | | 1.05 | 0.22 | | 34.84 | 27.4 | 7.99 | 6.32 |
| SSW 24" | 11/14/23 | 908 | 0.13 | 4.1 | 0.26 | 3.6 | 0.18 | 2.5 | 1.5 | 43 | 0.3 | 8.1 | 5.3 | 75 | | 1.45 | 0.09 | | 34.93 | 26.4 | 8.08 | 6.31 |
| SSW 24" | 12/15/23 | | | | | | | | | | | | | | | | | | | | | |
| SSW 24" | 1/15/24 | | | | | | | | | | | | | | | | | | | | | |
| SSW 24" | 2/15/24 | | | | | | | | | | | | | | | | | | | | | |
| SSW 24" | 3/15/24 | | | | | | | | | | | | | | | | | | | | | |
| SSW 24" | 4/15/24 | | | | | | | | | | | | | | | | | | | | | |
| SSW 24" | 5/15/24 | | | | | | | | | | | | | | | | | | | | | |
| SSW 24" | 6/15/24 | | | | | | | | | | | | | | | | | | | | | |
| Mean (Mar. '05 - present) | | | 0.12 | 3.7 | 0.30 | 4.1 | 0.29 | 4.0 | 2.56 | 72.0 | 0.35 | 11.0 | 5.14 | 72.62 | 1.02 | 1.81 | 0.08 | 2.31 | 34.87 | 26.04 | 8.19 | 6.14 |
| STD DEV | | | 0.08 | 2.4 | 0.28 | 3.9 | 0.26 | 3.6 | 3.11 | 87.4 | 0.13 | 3.8 | 1.92 | 26.08 | 0.10 | 1.34 | 0.12 | 0.18 | 0.43 | 1.11 | 0.08 | 0.57 |
| Range | | | | | | | | | | | | | | | | | | | | | | |
| UWL +2s | | | 0.27 | 8.4 | 0.9 | 12.0 | 0.81 | 11.3 | 8.8 | 247 | 0.61 | 18.6 | 9.0 | 124.8 | 1.2 | 4.5 | 0.3 | 2.7 | 35.7 | 28.3 | 8.3 | 7.3 |
| LWL -2s | | | -0.04 | -1.1 | -0.3 | -3.7 | -0.23 | -3.3 | -3.7 | -103 | 0.10 | 3.4 | 1.3 | 20.5 | 0.8 | -0.9 | -0.2 | 2.0 | 34.0 | 23.8 | 8.0 | 5.0 |
| UCL +3s | | | 0.35 | 10.8 | 1.1 | 15.9 | 1.07 | 15.0 | 11.9 | 334 | 0.73 | 22.4 | 10.9 | 150.8 | 1.3 | 5.8 | 0.4 | 2.8 | 36.2 | 29.4 | 8.4 | 7.9 |
| LCL -3s | | | -0.11 | -3.5 | -0.5 | -7.6 | -0.49 | -6.9 | -6.8 | -190 | -0.03 | -0.4 | -0.6 | -5.6 | 0.7 | -2.2 | -0.3 | 1.8 | 33.6 | 22.7 | 8.0 | 4.4 |
| Data | | | | | | | | | | | | | | | | | | | | | | |
| Max. Value | | | 0.62 | 19.2 | 1.3 | 17.7 | 2.93 | 41.1 | 25.7 | 723 | 0.89 | 27.7 | 11.6 | 162.4 | 1.2 | 6.5 | 1.5 | 2.8 | 36.2 | 29.5 | 8.4 | 7.3 |
| Min. Value | | | -0.06 | -2.0 | -0.6 | -8.5 | -0.23 | -3.2 | -0.9 | -26 | 0.00 | 2.2 | 0.0 | 25.3 | 0.9 | 0.3 | 0.0 | 1.8 | 32.7 | 23.8 | 8.0 | 3.8 |

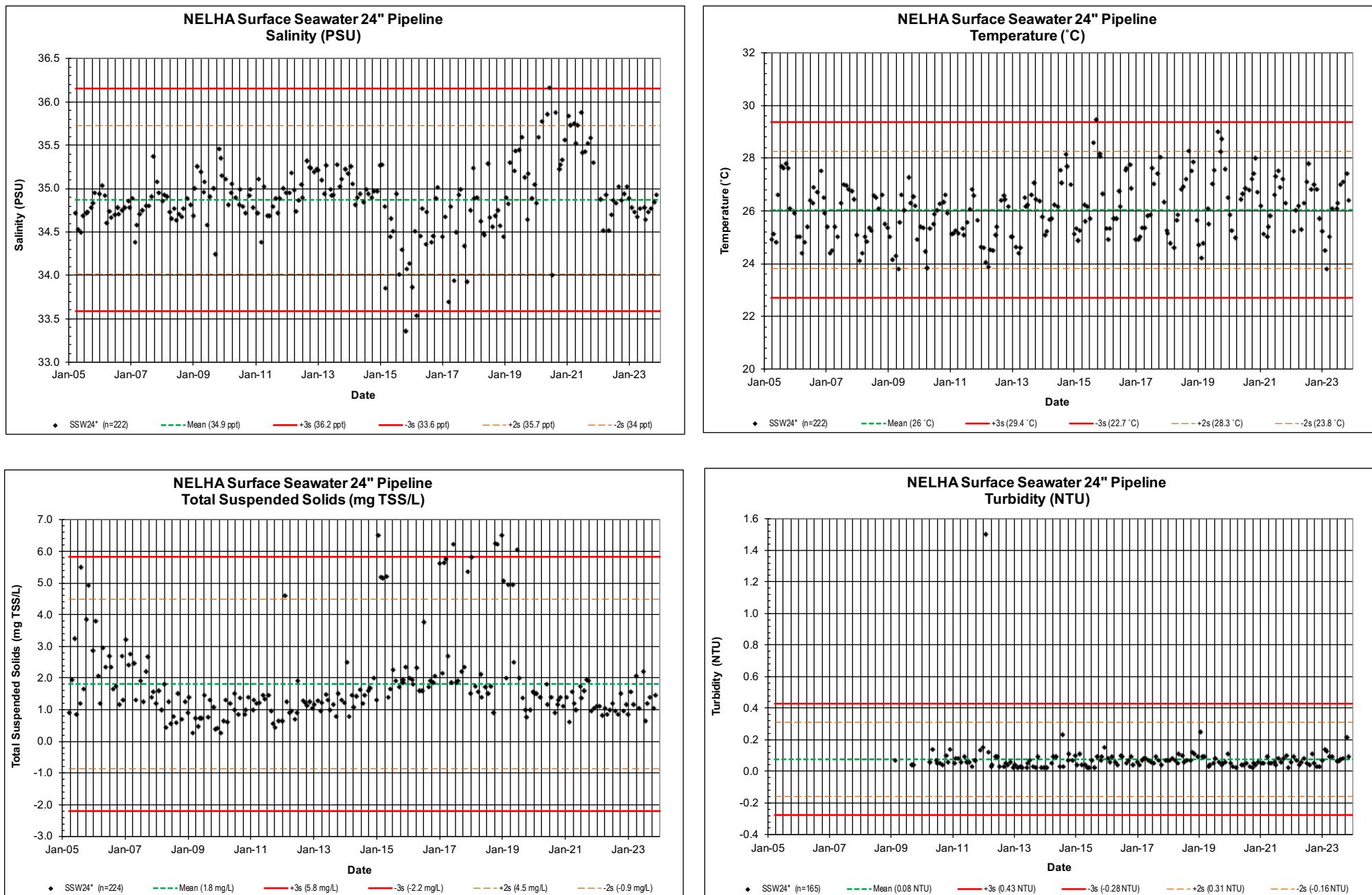
NELHA Water Quality Laboratory
SSW 24" KP
Intake Depth: 10 m, Offshore Pipe Length: 81 m



NELHA Water Quality Laboratory
SSW 24" KP
Intake Depth: 10 m, Offshore Pipe Length: 81 m



NELHA Water Quality Laboratory
SSW 24" KP
Intake Depth: 10 m, Offshore Pipe Length: 81 m



NELHA Water Quality Laboratory

SSW 55"

Intake Depth: 24 m, Offshore Pipe Length: 165 m

| SITE ID | DATE M/D/Y | TIME (2400) | PO ₄ ³⁻ (µM) | (µg N/L) | NO ₃ ⁻ & NO ₂ ⁻ (µM) | (µg N/L) | NH ₄ ⁺ & NH ₃ (µM) | (µg N/L) | Si (µM) | (µg Si/L) | TDP (µM) | (µg N/L) | TDN (µM) | (µg N/L) | TOC (mgC/L) | (mg/L) | TSS (NTU) | Turbidity (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL |
|---------|---------------|----------------|---------------------------------------|----------|---|----------|--|----------|------------|-----------|-------------|----------|-------------|----------|----------------|--------|--------------|--------------------|----------------|-------------------|--------------|--------------|-------------|---------------------|---|
| SSW 55" | 8/11/05 | 920 | 0.09 | 1.3 | 0.11 | 1.5 | 0.41 | 5.7 | 5.1 | 144 | 0.34 | 4.8 | 3.9 | 54 | 0.91 | 2.15 | | 2.335 | 34.753 | 27.4 | 8.32 | 6.5 | 1364 | 3425 | |
| SSW 55" | 9/14/05 | 940 | 0.09 | 1.3 | 0.08 | 1.1 | 0.41 | 5.7 | 2.1 | 58 | 0.35 | 4.9 | 3.0 | 43 | 1.14 | 1.00 | 2.309 | 34.776 | 27.9 | 8.30 | 6.5 | 1200 | 3963 | | |
| SSW 55" | 10/10/05 | 1025 | 0.08 | 1.1 | 0.08 | 1.1 | 0.38 | 5.3 | 2.6 | 73 | 0.33 | 4.6 | 3.0 | 41 | 0.86 | 3.10 | 2.343 | 34.870 | 27.1 | 8.33 | 6.6 | 569 | 4700 | | |
| SSW 55" | 11/2/05 | 927 | 0.08 | 1.1 | 0.53 | 7.4 | 0.45 | 6.3 | 3.5 | 97 | 0.36 | 5.0 | 5.2 | 73 | 1.04 | 3.05 | 2.433 | 34.932 | 25.7 | 8.29 | 6.6 | 1600 | 6350 | | |
| SSW 55" | 12/20/05 | 920 | 0.10 | 1.4 | 0.27 | 3.8 | 0.48 | 6.7 | 3.4 | 96 | 0.32 | 4.5 | 4.5 | 62 | 1.05 | 3.40 | 2.661 | 34.902 | 25.7 | 8.31 | 6.7 | 2683 | 8133 | | |
| SSW 55" | 1/26/06 | 937 | 0.10 | 1.4 | 0.32 | 4.5 | 0.36 | 5.0 | 3.8 | 108 | 0.31 | 4.3 | 4.6 | 64 | 0.90 | | 2.241 | 34.982 | 25.0 | 8.27 | 6.6 | 1381 | 9013 | | |
| SSW 55" | 2/28/06 | 1036 | 0.11 | 1.5 | 0.43 | 6.0 | 0.43 | 6.0 | 3.4 | 94 | 0.38 | 5.3 | 5.1 | 72 | 1.30 | | 2.206 | 34.887 | 25.1 | 8.28 | 6.7 | 1881 | 7065 | | |
| SSW 55" | 3/23/06 | 1016 | 0.12 | 1.7 | 0.15 | 2.1 | 0.52 | 7.3 | 3.2 | 89 | 0.37 | 5.2 | 5.1 | 72 | 1.20 | | 2.195 | 34.669 | 24.4 | 8.27 | 6.8 | 1817 | 7998 | | |
| SSW 55" | 4/18/06 | 1044 | 0.09 | 1.3 | 0.26 | 3.6 | 0.31 | 4.3 | 2.4 | 69 | 0.31 | 4.3 | 5.8 | 82 | 0.97 | 2.55 | 2.322 | 34.720 | 24.7 | 8.28 | 7.4 | 1150 | 6563 | | |
| SSW 55" | 5/18/06 | 1040 | 0.09 | 1.3 | 0.07 | 1.0 | 0.15 | 2.1 | 2.5 | 69 | 0.33 | 4.6 | 5.0 | 70 | 0.92 | 2.75 | 2.268 | 34.756 | 24.8 | 8.27 | 6.8 | 2006 | 7163 | | |
| SSW 55" | 6/29/06 | 920 | 0.12 | 1.7 | 0.16 | 2.2 | 0.40 | 5.6 | 2.2 | 63 | 0.31 | 4.3 | 5.8 | 81 | 1.02 | 2.15 | 2.324 | 34.718 | 26.3 | 8.25 | 6.4 | 3617 | 15000 | | |
| SSW 55" | 7/25/06 | 1032 | 0.12 | 1.7 | 0.29 | 4.1 | 0.34 | 4.8 | 3.4 | 95 | 0.34 | 4.8 | 5.8 | 82 | 1.06 | 1.50 | | 2.264 | 34.806 | 25.8 | 8.26 | 7.2 | 2983 | 10867 | |
| SSW 55" | 8/10/06 | 1056 | 0.12 | 1.7 | 0.07 | 1.0 | 0.35 | 4.9 | 2.4 | 67 | 0.36 | 5.0 | 5.6 | 78 | 0.95 | 0.95 | | 2.299 | 34.696 | 26.8 | 8.26 | 7.2 | 1933 | 8275 | |
| SSW 55" | 9/21/06 | 1054 | 0.12 | 1.7 | 0.16 | 2.2 | 0.28 | 3.9 | 2.8 | 79 | 0.34 | 4.8 | 5.1 | 71 | 0.96 | 1.15 | | 2.269 | 34.722 | 26.7 | 8.26 | 6.8 | 2375 | 3400 | |
| SSW 55" | 10/26/06 | 1034 | 0.15 | 2.1 | 0.86 | 12.0 | 0.47 | 6.6 | 5.0 | 142 | 0.32 | 4.5 | 7.4 | 103 | 0.96 | 2.15 | | 2.448 | 34.697 | 27.2 | 8.28 | 6.5 | 3550 | 12000 | |
| SSW 55" | 11/30/06 | 1059 | 0.14 | 2.0 | 0.07 | 1.0 | 0.47 | 6.6 | 2.1 | 58 | 0.35 | 4.9 | 5.9 | 83 | 1.03 | 2.55 | | 2.433 | 34.865 | 26.5 | 8.28 | 6.7 | 2713 | 19800 | |
| SSW 55" | 12/14/06 | 1110 | 0.15 | 2.1 | 0.26 | 3.6 | 0.39 | 5.5 | 2.1 | 59 | 0.39 | 5.5 | 5.4 | 76 | 0.95 | 1.45 | | 2.470 | 34.738 | 25.9 | 8.27 | 6.8 | 2013 | 5163 | |
| SSW 55" | 1/11/07 | 1027 | 0.15 | 2.1 | 0.41 | 5.7 | 0.41 | 5.7 | 3.3 | 92 | 0.34 | 4.8 | 5.7 | 80 | 1.01 | 2.40 | | 2.133 | 34.824 | 25.5 | 8.28 | 6.3 | 1075 | 4388 | |
| SSW 55" | 2/15/07 | 1045 | 0.21 | 2.9 | 0.33 | 4.6 | 0.50 | 7.0 | 2.8 | 79 | 0.46 | 6.4 | 5.9 | 83 | 1.07 | 2.05 | | 2.098 | 34.450 | 24.5 | 8.26 | 6.6 | 2163 | 6850 | |
| SSW 55" | 3/8/07 | 1045 | 0.17 | 2.4 | 0.28 | 3.9 | 0.36 | 5.0 | 5.0 | 141 | 0.40 | 5.6 | 6.1 | 85 | 0.97 | 1.20 | | 1.947 | 34.498 | 24.4 | 8.28 | 6.7 | 1950 | 18167 | |
| SSW 55" | 4/12/07 | 1100 | 0.12 | 1.7 | 0.26 | 3.6 | 0.38 | 5.3 | 4.1 | 115 | 0.33 | 4.6 | 5.1 | 71 | 0.94 | 2.80 | | 1.994 | 34.665 | 25.4 | 8.28 | 6.6 | 2325 | 8325 | |
| SSW 55" | 5/9/07 | 1045 | 0.18 | 2.5 | 0.34 | 4.8 | 0.55 | 7.7 | 7.9 | 222 | 0.44 | 6.2 | 5.5 | 77 | 0.98 | 5.50 | | 1.987 | 34.708 | 24.9 | 8.27 | 6.6 | 2325 | 7713 | |
| SSW 55" | 6/27/07 | 1025 | 0.15 | 4.6 | 0.34 | 4.7 | 0.45 | 6.3 | 2.7 | 75 | 0.29 | 9.1 | 7.4 | 103 | 1.55 | | | 2.474 | 34.792 | 26.2 | 8.30 | 7.1 | 2313 | 10300 | |
| SSW 55" | 7/30/07 | 1330 | 0.16 | 5.1 | 0.04 | 0.6 | 0.21 | 2.9 | 13.7 | 384 | 0.30 | 9.4 | 5.3 | 75 | | | | 1.569 | 35.020 | 26.5 | 8.15 | 6.8 | | | |
| SSW 55" | 8/30/07 | 853 | 0.17 | 5.3 | 0.13 | 1.8 | 0.50 | 7.0 | 5.2 | 147 | 0.23 | 7.0 | 5.0 | 70 | 2.65 | | | 2.435 | 34.888 | 26.6 | 8.15 | 6.4 | | | |
| SSW 55" | 9/24/07 | 946 | 0.20 | 6.1 | 0.19 | 2.6 | 0.50 | 7.0 | 1.9 | 52 | 0.28 | 8.7 | 13.1 | 184 | 1.10 | | | 2.046 | 35.472 | 26.9 | 8.15 | 6.3 | | | |
| SSW 55" | 10/30/07 | 1402 | 0.19 | 5.9 | 0.08 | 1.1 | 0.46 | 6.4 | 2.4 | 68 | 0.26 | 7.9 | 7.1 | 100 | 1.35 | | | 2.465 | 35.014 | 26.7 | 8.25 | 6.1 | | | |
| SSW 55" | 11/27/07 | 1410 | 0.19 | 6.0 | 0.09 | 1.3 | 0.00 | 0.0 | 4.7 | 131 | 0.22 | 6.9 | 4.8 | 67 | 1.60 | | | 2.415 | 34.918 | 26.2 | 8.23 | 6.5 | | | |
| SSW 55" | 12/31/07 | 1043 | 0.00 | | 0.38 | 5.3 | 0.43 | 6.0 | 5.0 | 140 | 0.00 | | 0.0 | | 0.80 | | | 2.529 | 34.827 | 25.1 | 8.16 | 6.1 | | | |
| SSW 55" | 1/30/08 | 847 | 0.10 | 3.2 | 0.18 | 2.5 | 0.18 | 2.5 | 27.5 | 774 | 0.00 | | 0.0 | | 1.80 | | | 2.380 | 34.895 | 24.1 | 8.12 | 5.8 | | | |
| SSW 55" | 2/28/08 | 1035 | 0.04 | 1.2 | 0.29 | 4.1 | 0.05 | 0.7 | 10.6 | 299 | 0.33 | 10.2 | 5.9 | 83 | 1.05 | | | 2.430 | 34.922 | 24.1 | 8.19 | 6.4 | | | |
| SSW 55" | 3/1/08 | 1459 | 0.04 | 1.2 | 0.27 | 3.8 | 0.05 | 0.7 | 4.7 | 133 | 0.31 | 9.7 | 5.1 | 72 | 2.85 | | | 2.390 | 34.810 | 24.5 | 8.15 | 7.0 | | | |
| SSW 55" | 4/25/08 | 946 | 0.18 | 5.5 | 0.24 | 3.4 | 0.15 | 2.1 | 4.9 | 138 | 0.38 | 11.9 | 4.4 | 62 | 1.40 | | | 2.410 | 34.606 | 24.9 | 8.20 | 6.8 | | | |
| SSW 55" | 5/23/08 | 1050 | 0.14 | 4.3 | 0.32 | 4.5 | 0.23 | 3.2 | NA | NA | 0.23 | 7.1 | 4.9 | 69 | 0.35 | | | 2.340 | 34.720 | 25.2 | 8.31 | 6.6 | | | |
| SSW 55" | 6/1/08 | 1056 | 0.11 | 3.4 | 0.18 | 2.5 | 0.18 | 2.5 | 4.4 | 124 | 0.28 | 8.7 | 5.6 | 78 | 0.66 | | | NA | 34.621 | 25.2 | 8.24 | 5.9 | | | |
| SSW 55" | 7/18/08 | 1010 | 0.14 | 4.3 | 0.32 | 4.5 | 0.09 | 1.3 | 4.0 | 111 | 0.08 | 2.5 | 5.2 | 73 | | 0.44 | | | 34.969 | 26.4 | 8.09 | 6.7 | | | |
| SSW 55" | 8/13/08 | 1111 | 0.65 | 20.1 | 0.09 | 1.3 | 0.96 | 13.5 | 3.1 | 88 | 0.36 | 11.0 | 8.6 | 121 | 0.62 | | | 34.671 | 26.2 | 8.02 | 4.9 | | | | |
| SSW 55" | 9/8/08 | 911 | 0.07 | 2.2 | 0.14 | 2.0 | 0.44 | 6.1 | 2.4 | 68 | 0.30 | 9.2 | 7.8 | 109 | 0.56 | | | 34.81 | 26.0 | 8.11 | | | | | |
| SSW 55" | 10/23/08 | 1029 | 0.07 | 2.1 | 0.01 | 0.1 | 0.47 | 6.6 | 1.2 | 35 | 0.47 | 14.6 | 7.7 | 108 | 0.18 | | | 35.03 | 26.5 | 8.27 | 6.2 | | | | |
| SSW 55" | 11/28/08 | 1024 | 0.11 | 3.5 | 0.42 | 5.9 | 0.10 | 1.4 | 3.3 | 93 | 0.40 | 12.3 | 6.5 | 92 | 0.66 | | | 35.12 | 25.1 | 8.24 | 6.1 | | | | |
| SSW 55" | 12/30/08 | 927 | 0.14 | 4.4 | 0.31 | 4.4 | 0.40 | 5.6 | 2.9 | 81 | 0.35 | 10.9 | 7.0 | 99 | 0.77 | | | 35.15 | 25.2 | 8.22 | 5.8 | | | | |
| SSW 55" | 1/12/09 | 1125 | 0.14 | 4.3 | 0.30 | 4.2 | 0.12 | 1.7 | 4.5 | 128 | 0.37 | 11.5 | 6.2 | 87 | 0.28 | | | 34.88 | 25.1 | 8.24 | 6.0 | | | | |
| SSW 55" | 2/20/09 | 1054 | 0.10 | 3.1 | 0.42 | 5.9 | 0.19 | 2.7 | 5.0 | 140 | 0.56 | 17.2 | 5.6 | 79 | 1.60 | 0.04 | | 24.0 | 8.17 | 6.5 | | | | | |
| SSW 55" | 3/30/09 | 1040 | 0.33 | 10.2 | 1.26 | 17.7 | 3.16 | 44.2 | 6.8 | 192 | 0.54 | 16.7 | 10.5 | 147 | 0.32 | | | 35.217 | 23.9 | 8.24 | 6.4 | | | | |
| SSW 55" | 4/30/09 | 957 | 0.24 | 7.4 | 0.27 | 3.8 | 0.48 | 6.7 | 3.0 | 84 | 0.45 | 13.9 | 5.8 | 82 | 0.47 | | | 34.965 | 23.9 | 8.20 | 6.3 | | | | |
| SSW 55" | 5/15/09 | 1345 | 0.15 | 4.8 | 0.31 | 4.3 | 0.19 | 2.7 | 3.1 | 88 | 0.78 | 24.1 | 7.7 | 107 | 0.33 | | | 35.08 | 25.2 | 8.17 | 6.1 | | | | |
| SSW 55" | 6/10/09 | 942 | 0.60 | 18.5 | 3.08 | 43.2 | 0.31 | 4.3 | 3.7 | 105 | 0.59 | 18.4 | 7.2 | 101 | 0.66 | | | 34.917 | 32.1 | 8.34 | 4.7 | | | | |
| SSW 55" | 7/10/09 | 953 | 0.55 | 17.0 | 3.71 | 51.9 | 1.51 | 21.1 | 4.0 | 111 | 0.45 | 13.9 | 8.7 | 122 | 1.19 | | | 35.23 | 31.3 | 8.21 | 4.5 | | | | |
| SSW 55" | 8/27/09 | 1050 | 0.15 | 4.8 | 0.22 | 3.1 | 0.19 | 2.7 | 3.3 | 94 | 0.21 | 6.5 | 4.6 | 65 | 1.41 | 0.04 | | 35.18 | 34.1 | 8.12 | 4.9 | | | | |
| SSW 55" | 9/17/09 | 1001 | 0.14 | 4.3 | 1.73 | 24.2 | 0.24 | 3.4</td | | | | | | | | | | | | | | | | | |

NELHA Water Quality Laboratory

SSW 55"

Intake Depth: 24 m, Offshore Pipe Length: 165 m

| SITE ID | DATE M/D/Y | TIME (2400) | PO ₄ ³⁻ (µM) | NO ₃ ⁻ & NO ₂ ⁻ (µM) | NH ₄ ⁺ & NH ₃ (µM) | Si (µg Si/L) | TDP (µg N/L) | TDN (µM) | TOC (mgC/L) | TSS (mg/L) | Turbidity (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL | | |
|---------|---------------|----------------|---------------------------------------|---|--|-----------------|-----------------|-------------|----------------|---------------|--------------------|----------------|-------------------|--------------|--------------|-------------|---------------------|---|------|------|
| SSW 55" | 7/1/10 | 1126 | 0.02 | 0.6 | 0.69 | 9.7 | 0.36 | 5.0 | 8.3 | 233 | 0.4 | 11.0 | 6.7 | 94 | | | 34.79 | 25.7 | 8.22 | 6.74 |
| SSW 55" | 8/5/10 | 1023 | 0.08 | 2.5 | 0.66 | 9.3 | 0.25 | 3.5 | 7.0 | 197 | 0.3 | 9.7 | 6.2 | 87 | | | 34.72 | 25.8 | 8.22 | 6.63 |
| SSW 55" | 9/2/10 | 1058 | 0.02 | 0.5 | 0.46 | 6.4 | 0.09 | 1.2 | 4.6 | 130 | 0.3 | 9.7 | 6.7 | 94 | | | 34.77 | 26.0 | 8.23 | 5.98 |
| SSW 55" | 10/18/10 | 1011 | 0.16 | 4.9 | 1.05 | 14.7 | 0.17 | 2.4 | 2.0 | 56 | 0.5 | 15.2 | 6.8 | 96 | | | 34.96 | 28.8 | 8.19 | 6.10 |
| SSW 55" | 11/4/10 | 1030 | 0.11 | 3.3 | 1.39 | 19.5 | 0.12 | 1.7 | 5.5 | 155 | 0.4 | 12.4 | 5.4 | 76 | | | 34.99 | 29.1 | 8.24 | 5.55 |
| SSW 55" | 12/1/10 | 1035 | 0.13 | 4.0 | 1.04 | 14.5 | 0.01 | 0.1 | 5.4 | 153 | 0.6 | 17.5 | 9.1 | 127 | | | 34.84 | 28.1 | 8.22 | 5.48 |
| SSW 55" | 1/25/11 | 1025 | 0.24 | 7.3 | 1.75 | 24.5 | 0.46 | 6.5 | 5.8 | 162 | 0.6 | 17.6 | 7.6 | 107 | | | 35.02 | 24.3 | 8.17 | 5.41 |
| SSW 55" | 2/8/11 | 1027 | 0.14 | 4.4 | 0.65 | 9.1 | 0.19 | 2.6 | 1.8 | 51 | 0.4 | 13.1 | 4.3 | 60 | | | 35.16 | 26.9 | 8.26 | 5.94 |
| SSW 55" | 3/7/11 | 1133 | 0.20 | 6.1 | 1.08 | 15.1 | 0.24 | 3.3 | 2.4 | 67 | 0.4 | 13.5 | 3.7 | 51 | | | 34.70 | 27.1 | 8.21 | 5.83 |
| SSW 55" | 4/1/11 | 1152 | 0.21 | 6.5 | 0.97 | 13.6 | 0.04 | 0.6 | 1.3 | 38 | 0.5 | 16.8 | 6.0 | 84 | | | 35.15 | 27.4 | 8.17 | 5.11 |
| SSW 55" | 5/25/11 | 938 | 0.09 | 2.9 | 0.64 | 8.9 | 0.35 | 4.9 | 0.9 | 25 | 0.4 | 13.5 | 5.4 | 75 | | | 34.80 | 27.9 | 8.25 | 5.70 |
| SSW 55" | 6/3/11 | 1104 | 0.17 | 5.3 | 0.64 | 9.0 | 0.10 | 1.4 | 0.9 | 26 | 0.5 | 15.0 | 6.1 | 85 | | | 34.83 | 29.8 | 8.20 | 6.24 |
| SSW 55" | 7/2/11 | 929 | 0.17 | 5.4 | 0.31 | 4.4 | 0.21 | 3.0 | 1.2 | 33 | 0.5 | 14.9 | 5.7 | 80 | | | 34.79 | 25.5 | 8.20 | 6.87 |
| SSW 55" | 8/22/11 | 1046 | 0.07 | 2.1 | 0.11 | 1.5 | 0.07 | 1.0 | 0.8 | 24 | 0.4 | 11.3 | 4.6 | 64 | | | 34.97 | 25.8 | 8.23 | 7.09 |
| SSW 55" | 9/15/11 | 1016 | 0.06 | 2.0 | 0.32 | 4.5 | 0.13 | 1.8 | 1.7 | 48 | 0.4 | 13.3 | 8.0 | 113 | | | 34.77 | 26.8 | 8.22 | 6.95 |
| SSW 55" | 10/4/11 | 850 | 0.09 | 2.8 | 0.38 | 5.3 | 0.17 | 2.4 | 3.4 | 95 | 0.4 | 12.1 | 4.1 | 58 | | | 35.23 | 26.5 | 8.18 | 6.79 |
| SSW 55" | 11/21/11 | 1243 | 0.09 | 2.7 | 0.16 | 2.2 | 0.03 | 0.4 | 1.4 | 41 | 0.4 | 13.6 | 5.8 | 81 | | | 35.00 | 25.6 | 8.19 | 6.33 |
| SSW 55" | 12/27/11 | 1056 | 0.02 | 0.5 | 0.34 | 4.7 | 0.10 | 1.4 | 0.6 | 18 | 0.4 | 11.7 | 6.8 | 96 | | | 35.05 | 24.6 | 8.24 | 6.61 |
| SSW 55" | 1/30/12 | 1103 | 0.04 | 1.3 | 0.25 | 3.5 | 0.06 | 0.9 | 1.7 | 48 | 0.4 | 11.6 | 6.8 | 95 | | | 35.05 | 24.6 | 8.22 | 6.77 |
| SSW 55" | 2/27/12 | 1108 | 0.07 | 2.3 | 0.33 | 4.6 | 0.01 | 0.1 | 2.2 | 61 | 0.4 | 11.4 | 7.1 | 99 | | | 35.21 | 24.0 | 8.24 | 6.18 |
| SSW 55" | 3/28/12 | 1052 | 0.16 | 4.9 | 0.02 | 0.3 | 0.36 | 5.0 | 1.2 | 34 | 0.5 | 14.0 | 6.3 | 88 | | | 35.06 | 23.8 | 8.23 | 6.97 |
| SSW 55" | 4/16/12 | 1052 | 0.14 | 4.3 | 0.26 | 3.6 | 0.09 | 1.2 | 0.1 | 3 | 0.4 | 13.7 | 6.3 | 88 | | | 35.03 | 24.4 | 8.25 | 6.63 |
| SSW 55" | 5/24/12 | 915 | 0.15 | 4.8 | 0.33 | 4.6 | 0.26 | 3.6 | 2.6 | 73 | 0.5 | 14.9 | 5.3 | 74 | | | 35.02 | 24.5 | 8.23 | 6.55 |
| SSW 55" | 6/19/12 | 1042 | 0.12 | 3.9 | 0.41 | 5.8 | 0.23 | 3.2 | 3.1 | 88 | 0.4 | 13.2 | 8.2 | 115 | | | 35.26 | 24.9 | 8.15 | 6.79 |
| SSW 55" | 7/3/12 | 849 | 0.02 | 0.6 | 0.43 | 6.0 | 0.27 | 3.8 | 2.7 | 76 | 0.3 | 10.7 | 6.3 | 88 | | | 35.24 | 25.3 | 8.23 | 7.11 |
| SSW 55" | 8/27/12 | 1132 | 0.03 | 0.8 | 0.34 | 4.7 | 0.39 | 5.5 | 3.4 | 95 | 0.5 | 15.2 | 5.8 | 82 | | | 35.31 | 26.3 | 8.22 | 6.10 |
| SSW 55" | 9/26/12 | 1120 | 0.05 | 1.4 | 0.23 | 3.2 | 0.46 | 6.5 | 2.2 | 61 | 0.5 | 15.4 | 10.0 | 140 | | | 35.29 | 26.5 | 8.23 | 6.00 |
| SSW 55" | 10/10/12 | 1025 | 0.03 | 0.8 | 0.31 | 4.3 | 0.27 | 3.8 | 2.3 | 63 | 0.3 | 10.1 | 5.1 | 71 | | | 35.33 | 26.4 | 8.23 | 6.49 |
| SSW 55" | 11/19/12 | 1350 | 0.10 | 3.0 | 0.69 | 9.6 | 0.26 | 3.7 | 6.2 | 174 | 0.5 | 14.1 | 9.7 | 136 | | | 35.25 | 26.1 | 8.26 | 6.82 |
| SSW 55" | 12/19/12 | 1011 | 0.14 | 4.3 | 0.25 | 3.5 | 0.39 | 5.4 | 6.4 | 180 | 0.4 | 13.9 | 5.4 | 75 | | | 35.27 | 25.1 | 8.26 | 6.75 |
| SSW 55" | 1/4/13 | 1044 | 0.10 | 3.2 | 0.43 | 6.0 | 0.26 | 3.7 | 0.9 | 24 | 0.4 | 12.7 | 4.1 | 57 | | | 35.26 | 25.0 | 8.23 | 6.24 |
| SSW 55" | 2/13/13 | 1054 | 0.16 | 5.1 | 0.29 | 4.0 | 0.06 | 0.8 | 2.0 | 57 | 0.5 | 14.9 | 4.4 | 62 | | | 35.22 | 24.6 | 8.22 | 5.90 |
| SSW 55" | 3/1/13 | 1157 | 0.15 | 4.8 | 0.55 | 7.7 | 0.56 | 7.8 | 2.0 | 57 | 0.4 | 13.4 | 5.4 | 75 | | | 35.01 | 24.1 | 8.22 | 5.83 |
| SSW 55" | 4/3/13 | 1247 | 0.15 | 4.8 | 0.21 | 2.9 | 0.18 | 2.5 | 2.8 | 80 | 0.4 | 12.3 | 4.2 | 59 | | | 35.30 | 24.2 | 8.22 | 6.65 |
| SSW 55" | 5/29/13 | 936 | 0.27 | 8.4 | 0.23 | 3.2 | 0.46 | 6.4 | 1.9 | 53 | 0.7 | 20.4 | 5.2 | 73 | | | 34.99 | 26.4 | 8.20 | 6.13 |
| SSW 55" | 6/13/13 | 1101 | 0.27 | 8.4 | 0.32 | 4.5 | 0.56 | 7.9 | 2.2 | 61 | 0.5 | 17.0 | 4.2 | 60 | | | 35.05 | 26.1 | 8.18 | 6.09 |
| SSW 55" | 7/1/13 | 1015 | 0.22 | 6.9 | 0.91 | 12.8 | 0.27 | 3.8 | 7.7 | 215 | 0.5 | 16.9 | 7.5 | 105 | | | 35.02 | 26.7 | 8.24 | 6.16 |
| SSW 55" | 8/14/13 | 1034 | 0.16 | 4.9 | 0.39 | 5.4 | 0.26 | 3.7 | 2.6 | 72 | 0.4 | 12.4 | 5.0 | 70 | | | 35.00 | 26.7 | 8.23 | 6.30 |
| SSW 55" | 9/18/13 | 839 | 0.18 | 5.7 | 0.01 | 0.1 | 0.25 | 3.5 | 2.9 | 80 | 0.5 | 15.1 | 7.4 | 104 | | | 35.01 | 26.9 | 8.24 | 6.51 |
| SSW 55" | 10/10/13 | 1056 | 0.22 | 6.9 | 0.56 | 7.9 | 0.34 | 4.8 | 3.6 | 102 | 0.5 | 15.9 | 5.5 | 77 | | | 35.12 | 26.4 | 8.20 | 6.45 |
| SSW 55" | 11/21/13 | 1035 | 0.18 | 5.5 | 0.39 | 5.4 | 0.33 | 4.6 | 5.1 | 143 | 0.5 | 16.2 | 5.9 | 82 | | | 35.18 | 26.5 | 8.21 | 6.05 |
| SSW 55" | 12/23/13 | 955 | 0.20 | 6.1 | 0.56 | 7.9 | 0.49 | 6.9 | 4.3 | 120 | 0.5 | 16.8 | 5.2 | 73 | | | 35.09 | 25.8 | 8.21 | 6.17 |
| SSW 55" | 1/23/14 | 1225 | 0.15 | 4.8 | 0.66 | 9.3 | 0.35 | 4.9 | 6.5 | 181 | 0.5 | 14.1 | 6.7 | 94 | | | 35.21 | 25.4 | 8.22 | 6.35 |
| SSW 55" | 2/12/14 | 1130 | 0.14 | 4.4 | 0.46 | 6.4 | 0.34 | 4.7 | 3.5 | 98 | 0.4 | 13.4 | 5.1 | 72 | | | 34.89 | 25.5 | 8.24 | 6.10 |
| SSW 55" | 3/17/14 | 1046 | 0.25 | 7.8 | 0.64 | 8.9 | 0.21 | 3.0 | 5.3 | 148 | 0.6 | 17.1 | 6.0 | 84 | | | 34.72 | 25.7 | 8.21 | 6.74 |
| SSW 55" | 4/10/14 | 950 | 0.20 | 6.3 | 0.31 | 4.4 | 0.18 | 2.5 | 3.9 | 108 | 0.5 | 15.4 | 7.5 | 105 | | | 34.94 | 25.6 | 8.21 | 6.12 |
| SSW 55" | 5/13/14 | 1324 | 0.19 | 5.8 | 0.36 | 5.0 | 0.29 | 4.0 | 4.3 | 121 | 0.4 | 13.8 | 5.5 | 77 | | | 34.82 | 25.7 | 8.23 | 6.38 |
| SSW 55" | 6/24/14 | 1054 | 0.24 | 7.3 | 0.51 | 7.1 | 0.36 | 5.0 | 6.9 | 194 | 0.8 | 23.8 | 5.2 | 73 | | | 34.75 | 25.9 | 8.21 | 6.35 |
| SSW 55" | 7/23/14 | 1131 | 0.26 | 7.9 | 1.56 | 21.8 | 0.46 | 6.4 | 13.3 | 374 | 0.5 | 16.8 | 5.9 | 82 | | | 34.76 | 27.1 | 8.23 | 6.36 |
| SSW 55" | 8/11/14 | 1153 | 0.18 | 5.7 | 1.26 | 17.7 | 0.61 | 8.6 | 8.6 | 243 | 0.4 | 12.5 | 9.3 | 130 | | | 34.64 | 27.1 | 8.21 | 6.15 |
| SSW 55" | 9/28/14 | 1123 | 0.19 | 5.8 | 1.11 | 15.6 | 0.21 | 3.0 | 9.3 | 260 | 0.5 | 15.9 | 10.3 | 144 | | | 34.85 | 28.2 | 8.21 | 6.15 |
| SSW 55" | 10/15/14 | 1224 | 0.26 | 7.9 | 1.81 | 25.4 | 0.38 | 5.3 | 13.4 | 377 | 0.7 | 21.5 | 8.9 | 125 | | | 34.73 | 27.7 | 8.22 | 6.22 |
| SSW 55" | 11/25/14 | 1245 | 0.19 | 5.9 | 1.42 | 19.9 | 0.31 | 4.3 | 9.7 | 273 | 0.5 | 15.5 | 8.4 | 118 | | | 34.69 | 27.3 | 8.22 | 6.32 |
| SSW 55" | 12/30/14 | 955 | 0.20 | 6.3 | 1.22 | 17.1 | 0.41 | 5.8 | 7.2 | 202 | 0.5 | 15.9 | 8.0 | 113 | | | 34.95 | 25.4 | 8.21 | 6.42 |
| SSW 55" | 1/21/15 | 1016 | 0.23 | 7.1 | 1.70 | 23.8 | 0.44 | 6.2 | 11.5 | 324 | 0.5 | 14.6 | 10.2 | 143 | | | 34.82 | 25.4 | 8.23 | 6.38 |
| SSW 55" | 2/18/15 | 932 | 0.30 | 9.2 | 1.88 | 26.4 | 0.54 | 7.5 | 14.6 | 409 | 0.5 | 16.5 | 8.7 | 122 | | | 34.73 | 25.0 | 8.15 | 6.19 |
| SSW 55" | 3/9/15 | 1248 | 0.20 | 6.2 | 1.88 | 26.3 | 0.48 | 6.7 | 15.6 | 437 | 0.5 | 15.8 | 9.3 | 130 | | | 34.02 | 25.3 | 8.24 | 6.51 |
| SSW 55" | 4/28/15 | 1538 | 0.16 | 5.1 | 0.71 | 9.9 | 0.16 | 2.3 | 4.2 | 118 | 0.4 | 12.4 | 7.6 | 106 | | | 34.55 | 26.2 | 8.15 | 5.57 |
| SSW 55" | 5/14/15 | 929 | | | | | | | | | | | | | | | | | | |

NELHA Water Quality Laboratory

SSW 55"

Intake Depth: 24 m, Offshore Pipe Length: 165 m

| SITE ID | DATE M/D/Y | TIME (2400) | PO ₄ ³⁻ (µM) | NO ₃ ⁻ & NO ₂ ⁻ (µM) | NH ₄ ⁺ & NH ₃ (µM) | Si (µg Si/L) | TDP (µg N/L) | TDN (µM) | TOC (mgC/L) | TSS (mg/L) | Turbidity (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL | | |
|---------|---------------|----------------|---------------------------------------|---|--|-----------------|-----------------|-------------|----------------|---------------|--------------------|----------------|-------------------|--------------|--------------|-------------|---------------------|---|------|------|
| SSW 55" | 7/7/15 | 909 | 0.11 | 3.4 | 1.26 | 17.6 | 0.18 | 2.5 | 11.6 | 326 | 0.3 | 8.5 | 8.2 | 115 | | | 34.10 | 26.7 | 8.10 | 6.11 |
| SSW 55" | 8/14/15 | 932 | 0.11 | 3.4 | 0.06 | 0.8 | 0.16 | 2.3 | 1.2 | 33 | 0.4 | 13.9 | 20.8 | 291 | | | 33.37 | 28.7 | 8.12 | 6.13 |
| SSW 55" | 9/16/15 | 1027 | 0.24 | 7.4 | 2.98 | 41.8 | 0.39 | 5.5 | 17.6 | 493 | 0.5 | 16.2 | 11.9 | 167 | | | 32.99 | 29.3 | 8.12 | 6.13 |
| SSW 55" | 10/28/15 | 1415 | 0.16 | 4.9 | 0.44 | 6.1 | 0.26 | 3.7 | 3.3 | 93 | 0.4 | 13.3 | 5.5 | 77 | | | 34.52 | 28.0 | 8.21 | 4.10 |
| SSW 55" | 11/5/15 | 914 | 0.08 | 2.4 | 0.61 | 8.6 | 0.19 | 2.6 | 3.0 | 85 | 0.4 | 10.9 | 5.3 | 74 | | | 34.26 | 28.1 | 8.23 | 5.83 |
| SSW 55" | 12/9/15 | 1028 | 0.14 | 4.3 | 1.12 | 15.7 | 0.88 | 12.3 | 8.6 | 241 | 0.4 | 12.6 | 5.3 | 75 | | | 33.92 | 26.7 | 8.20 | 5.76 |
| SSW 55" | 1/15/16 | 1135 | 0.15 | 4.7 | 1.06 | 14.9 | 0.44 | 6.2 | 8.5 | 238 | 0.4 | 12.9 | 6.2 | 87 | | | 34.13 | 25.5 | 8.20 | 6.35 |
| SSW 55" | 2/11/16 | 1023 | 0.09 | 2.9 | 1.17 | 16.4 | 0.21 | 2.9 | 7.6 | 212 | 0.4 | 12.5 | 6.0 | 84 | | | 34.10 | 25.2 | 8.24 | 6.39 |
| SSW 55" | 3/3/16 | 1129 | 0.12 | 3.8 | 0.81 | 11.3 | 0.85 | 11.9 | 4.8 | 134 | 0.5 | 15.7 | 5.6 | 78 | | | 34.63 | 25.5 | 8.20 | 6.90 |
| SSW 55" | 4/12/16 | 1201 | 0.06 | 2.0 | 0.83 | 11.6 | 0.61 | 8.5 | 0.5 | 14 | 0.4 | 13.1 | 3.9 | 54 | | | 34.86 | 25.5 | 8.12 | 5.93 |
| SSW 55" | 5/10/16 | 1108 | 0.10 | 3.0 | 0.31 | 4.4 | 0.06 | 0.9 | 0.4 | 11 | 0.4 | 12.3 | 5.1 | 71 | | | 34.74 | 25.9 | 8.23 | 6.06 |
| SSW 55" | 6/5/16 | 950 | 0.07 | 2.3 | 0.10 | 1.4 | 0.21 | 2.9 | 0.8 | 23 | 0.4 | 10.9 | 3.1 | 43 | | | 34.76 | 26.7 | 8.40 | 6.36 |
| SSW 55" | 7/1/16 | 952 | 0.06 | 2.0 | 0.71 | 9.9 | 0.34 | 4.8 | 0.0 | 1 | 0.3 | 9.8 | 3.8 | 54 | | | 34.90 | 26.2 | 8.31 | 6.30 |
| SSW 55" | 8/25/16 | 959 | 0.02 | 0.6 | 0.20 | 2.8 | 0.47 | 6.6 | 0.7 | 18 | 0.5 | 15.6 | 6.9 | 97 | | | 35.00 | 27.6 | 8.44 | 6.15 |
| SSW 55" | 9/15/16 | 1024 | 0.03 | 0.9 | 0.28 | 3.9 | 0.05 | 0.7 | 1.7 | 47 | 0.4 | 12.5 | 3.8 | 54 | | | 34.87 | 27.7 | 8.23 | 6.32 |
| SSW 55" | 10/20/16 | 1107 | 0.19 | 6.0 | 0.96 | 13.4 | 1.30 | 18.2 | 3.3 | 94 | 0.6 | 18.9 | 6.5 | 91 | | | 34.97 | 27.5 | 8.23 | 6.03 |
| SSW 55" | 11/4/16 | 1016 | 0.10 | 3.0 | 0.91 | 12.7 | 0.06 | 0.8 | 1.7 | 48 | 0.7 | 20.6 | 7.2 | 101 | | | 35.05 | 26.7 | 8.23 | 5.80 |
| SSW 55" | 12/29/16 | 1033 | 0.04 | 1.3 | 0.25 | 3.5 | 0.11 | 1.5 | 2.3 | 65 | 0.3 | 8.9 | 2.7 | 38 | | | 34.95 | 24.8 | 8.19 | 5.26 |
| SSW 55" | 1/27/17 | 1123 | 0.01 | 0.4 | 0.29 | 4.1 | 0.20 | 2.8 | 2.0 | 55 | 0.3 | 9.0 | 3.1 | 44 | | | 35.02 | 24.8 | 8.13 | 6.06 |
| SSW 55" | 2/23/17 | 1026 | 0.09 | 2.8 | 0.33 | 4.6 | 0.28 | 3.9 | 1.4 | 38 | 0.4 | 11.5 | 3.0 | 42 | | | 34.65 | 24.9 | 8.20 | 6.06 |
| SSW 55" | 3/17/17 | 1000 | 0.09 | 2.8 | 0.13 | 1.8 | 0.34 | 4.7 | 1.7 | 47 | 0.3 | 10.6 | 3.6 | 51 | | | 34.84 | 25.1 | 8.22 | 5.84 |
| SSW 55" | 4/10/17 | 1007 | 0.12 | 3.6 | 0.17 | 2.4 | 0.21 | 2.9 | 1.1 | 31 | 0.3 | 9.4 | 3.5 | 49 | | | 35.06 | 25.0 | 8.20 | 6.08 |
| SSW 55" | 5/17/17 | 939 | 0.10 | 3.0 | 0.47 | 6.6 | 0.31 | 4.4 | 1.5 | 42 | 0.4 | 11.0 | 2.6 | 36 | | | 34.68 | 25.8 | 8.18 | 4.79 |
| SSW 55" | 6/3/17 | 949 | 0.08 | 2.5 | 0.26 | 3.6 | 0.31 | 4.3 | 2.2 | 62 | 0.3 | 9.4 | 2.0 | 28 | | | 34.77 | 25.6 | 8.26 | 6.24 |
| SSW 55" | 7/13/17 | 1115 | 0.03 | 0.9 | 0.34 | 4.7 | 0.38 | 5.3 | 1.1 | 31 | 0.3 | 9.2 | 3.9 | 55 | | | 35.02 | 27.0 | 8.20 | 4.69 |
| SSW 55" | 8/2/17 | 945 | 0.08 | 2.5 | 0.04 | 0.5 | 0.27 | 3.8 | 0.6 | 16 | 0.3 | 10.8 | 3.5 | 50 | | | 35.08 | 26.7 | 8.16 | 5.66 |
| SSW 55" | 9/12/17 | 949 | 0.08 | 2.6 | 0.12 | 1.7 | 0.56 | 7.8 | 0.6 | 17 | 0.4 | 11.4 | 2.2 | 31 | | | 34.75 | 27.3 | 8.18 | 5.58 |
| SSW 55" | 10/12/17 | 1055 | 0.12 | 3.6 | 0.01 | 0.2 | 0.50 | 7.0 | 1.5 | 42 | 0.4 | 11.6 | 2.6 | 36 | | | 34.95 | 27.9 | 8.16 | 5.15 |
| SSW 55" | 11/29/17 | 929 | 0.12 | 3.8 | 0.11 | 1.6 | 0.70 | 9.8 | 2.1 | 58 | 0.4 | 11.6 | 2.3 | 33 | | | 35.07 | 26.2 | 8.17 | 5.21 |
| SSW 55" | 12/27/17 | 1053 | 0.11 | 3.5 | 0.21 | 2.9 | 0.48 | 6.7 | 1.0 | 29 | 0.3 | 10.7 | 2.4 | 34 | | | 35.32 | 25.3 | 8.18 | 5.08 |
| SSW 55" | 1/11/18 | 1040 | 0.02 | 0.5 | 0.19 | 2.7 | 0.21 | 2.9 | 0.6 | 18 | 0.3 | 8.9 | 2.3 | 33 | | | 34.90 | 25.1 | 8.19 | 6.29 |
| SSW 55" | 2/14/18 | 951 | 0.09 | 2.8 | 0.05 | 0.7 | 0.29 | 4.1 | 4.7 | 133 | 0.3 | 10.7 | 3.2 | 44 | | | 34.91 | 24.7 | 8.17 | 6.58 |
| SSW 55" | 3/23/18 | 1040 | 0.12 | 3.8 | 0.22 | 3.1 | 0.23 | 3.2 | 2.0 | 57 | 0.4 | 12.2 | 3.2 | 45 | | | 34.60 | 24.5 | 8.16 | 6.31 |
| SSW 55" | 4/24/18 | 1055 | 0.09 | 2.9 | 0.30 | 4.2 | 0.30 | 4.2 | 3.2 | 90 | 0.4 | 11.0 | 2.9 | 41 | | | 34.43 | 25.5 | 8.23 | 5.90 |
| SSW 55" | 5/8/18 | 928 | 0.08 | 2.5 | 0.19 | 2.7 | 0.64 | 9.0 | 1.2 | 35 | 0.3 | 10.4 | 2.9 | 41 | | | 34.55 | 25.6 | 8.17 | 5.69 |
| SSW 55" | 6/20/18 | 1008 | 0.12 | 3.6 | 0.29 | 4.0 | 0.63 | 8.8 | 1.4 | 39 | 0.4 | 11.2 | 2.1 | 29 | | | 35.42 | 26.3 | 8.14 | 4.01 |
| SSW 55" | 7/12/18 | 1030 | 0.17 | 5.3 | 0.08 | 1.1 | 0.23 | 3.2 | 2.5 | 69 | 0.4 | 13.4 | 2.9 | 40 | | | 34.57 | 26.8 | 8.19 | 5.85 |
| SSW 55" | 8/13/18 | 1007 | 0.02 | 0.7 | 1.04 | 14.6 | 0.27 | 3.8 | 0.4 | 12 | 0.2 | 7.6 | 3.6 | 50 | | | 34.54 | 27.1 | 8.21 | 5.49 |
| SSW 55" | 9/18/18 | 1618 | 0.08 | 2.4 | 0.57 | 8.0 | 0.46 | 6.5 | 0.1 | 3 | 0.4 | 11.2 | 5.0 | 70 | | | 34.67 | 27.9 | 8.20 | 6.48 |
| SSW 55" | 10/11/18 | 1013 | 0.07 | 2.3 | 0.06 | 0.9 | 0.38 | 5.3 | 1.8 | 49 | 0.3 | 9.9 | 2.8 | 39 | | | 34.82 | 27.7 | 8.15 | 4.47 |
| SSW 55" | 11/2/18 | 922 | 0.07 | 2.1 | 0.09 | 1.2 | 0.32 | 4.5 | 1.2 | 33 | 0.3 | 9.3 | 3.7 | 52 | | | 34.70 | 27.8 | 8.15 | 5.83 |
| SSW 55" | 12/21/18 | 1008 | 0.16 | 5.0 | 0.23 | 3.2 | 0.56 | 7.8 | 0.4 | 11 | 0.4 | 13.1 | 2.3 | 33 | | | 34.67 | 25.6 | 8.20 | 4.06 |
| SSW 55" | 1/15/19 | 1004 | 0.11 | 3.3 | 0.19 | 2.6 | 0.34 | 4.7 | 1.7 | 49 | 0.4 | 11.3 | 2.5 | 36 | | | 34.87 | 24.7 | 8.19 | 6.07 |
| SSW 55" | 2/13/19 | 1003 | 0.03 | 0.9 | 0.16 | 2.3 | 0.01 | 0.2 | 1.0 | 28 | 0.3 | 9.0 | 2.0 | 28 | | | 35.51 | 24.4 | 8.09 | 6.15 |
| SSW 55" | 3/7/19 | 1522 | 0.17 | 5.2 | 0.54 | 7.6 | 0.21 | 2.9 | 0.6 | 16 | 0.4 | 12.2 | 1.6 | 23 | | | 35.29 | 24.7 | 8.04 | 6.86 |
| SSW 55" | 4/25/19 | 946 | 0.06 | 2.0 | 0.39 | 5.4 | 0.01 | 0.1 | 0.9 | 27 | 0.3 | 9.3 | 1.8 | 26 | | | 35.21 | 25.8 | 8.08 | 6.55 |
| SSW 55" | 5/7/19 | 1023 | 0.06 | 2.0 | 0.22 | 3.1 | 0.64 | 9.0 | 1.5 | 44 | 0.3 | 9.3 | 1.8 | 25 | | | 35.41 | 25.7 | 8.18 | 6.43 |
| SSW 55" | 6/20/19 | 1129 | 0.01 | 0.3 | 0.39 | 5.5 | 0.25 | 3.5 | 1.1 | 30 | 0.2 | 6.9 | 2.1 | 29 | | | 35.88 | 26.5 | 8.21 | 6.41 |
| SSW 55" | 7/17/19 | 954 | 0.10 | 3.2 | 0.16 | 2.2 | 0.44 | 6.1 | 0.8 | 23 | 0.3 | 9.9 | 2.0 | 28 | | | 35.64 | 27.2 | 8.21 | 6.05 |
| SSW 55" | 8/23/19 | 1428 | 0.13 | 3.9 | -0.14 | -1.9 | 0.42 | 5.9 | 1.6 | 44 | 0.3 | 10.7 | 2.1 | 30 | | | 34.98 | 28.4 | 8.18 | 6.12 |
| SSW 55" | 9/26/19 | 1015 | 0.06 | 2.0 | 0.26 | 3.6 | -0.18 | -2.5 | 1.2 | 34 | 0.3 | 9.4 | 2.2 | 31 | | | 34.65 | 28.2 | 8.19 | 7.14 |
| SSW 55" | 10/8/19 | 1033 | 0.03 | 1.0 | 0.42 | 5.9 | 0.21 | 3.0 | 0.8 | 23 | 0.3 | 8.1 | 3.5 | 49 | | | 35.33 | 28.5 | 8.20 | 6.30 |
| SSW 55" | 11/14/19 | 1004 | 0.06 | 1.8 | 0.21 | 3.0 | 0.17 | 2.4 | 1.5 | 43 | 0.3 | 8.4 | 2.7 | 38 | | | 34.86 | 27.4 | 8.17 | 6.33 |
| SSW 55" | 12/17/19 | 928 | 0.14 | 4.3 | -0.13 | -1.8 | 0.31 | 4.3 | 1.4 | 39 | 0.3 | 10.5 | 2.3 | 32 | | | 35.10 | 26.6 | 8.18 | 6.04 |
| SSW 55" | 1/9/20 | 1019 | 0.15 | 4.5 | -0.19 | -2.6 | -0.09 | -1.2 | 5.5 | 155 | 0.4 | 12.2 | 2.6 | 36 | | | 34.86 | 25.9 | 8.19 | 6.28 |
| SSW 55" | 2/4/20 | 1141 | 0.12 | 3.7 | -0.54 | -7.6 | -0.01 | -0.1 | -0.3 | -9 | 0.4 | 11.4 | 1.7 | 23 | | | 35.64 | 25.1 | 8.19 | 6.48 |
| SSW 55" | 3/17/20 | 1711 | 0.08 | 2.6 | -0.60 | -8.4 | 0.24 | 3.3 | 0.5 | 15 | 0.3 | 10.1 | 1.3 | 18 | | | 35.81 | 24.9 | 8.24 | 6.67 |
| SSW 55" | 4/12/20 | COVID 19 | | | | | | | | | | | | | | | 35.98 | 26.2 | 8.16 | 6.51 |
| SSW 55" | 5/2/20 | 1128 | 0.11 | 3.4 | -0.47 | -6.6 | 0.44 | 6.1 | 0.7 | 19 | 0.3 | 9.5 | 2.3 | 32 | | | 36.17 | | | |

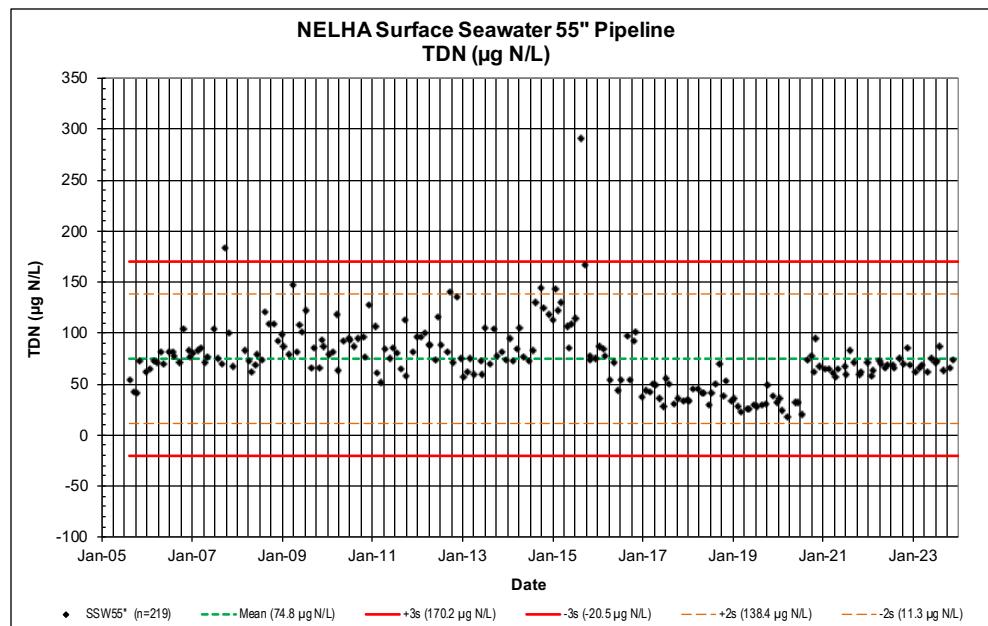
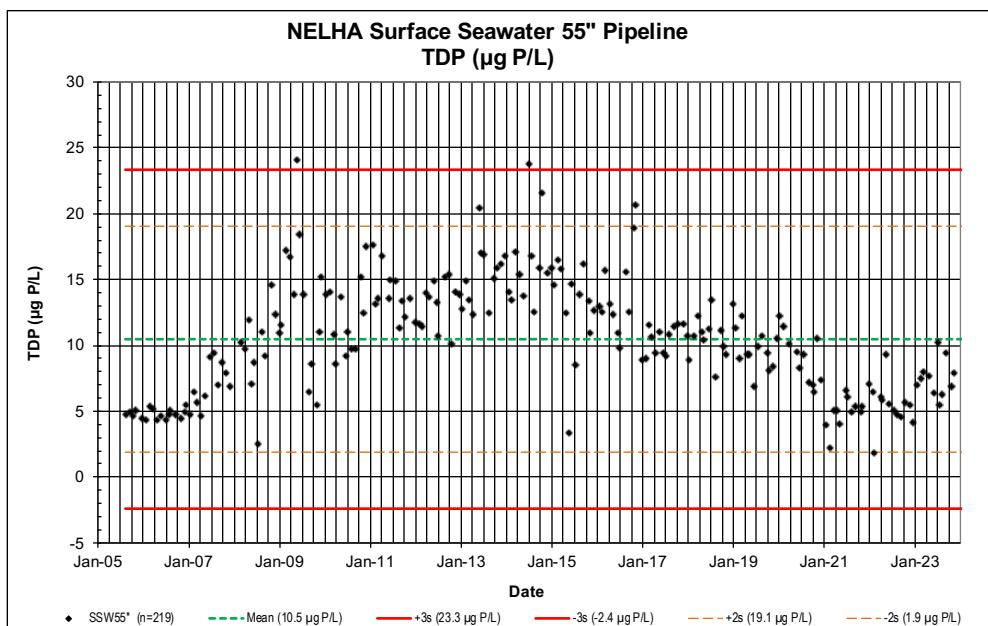
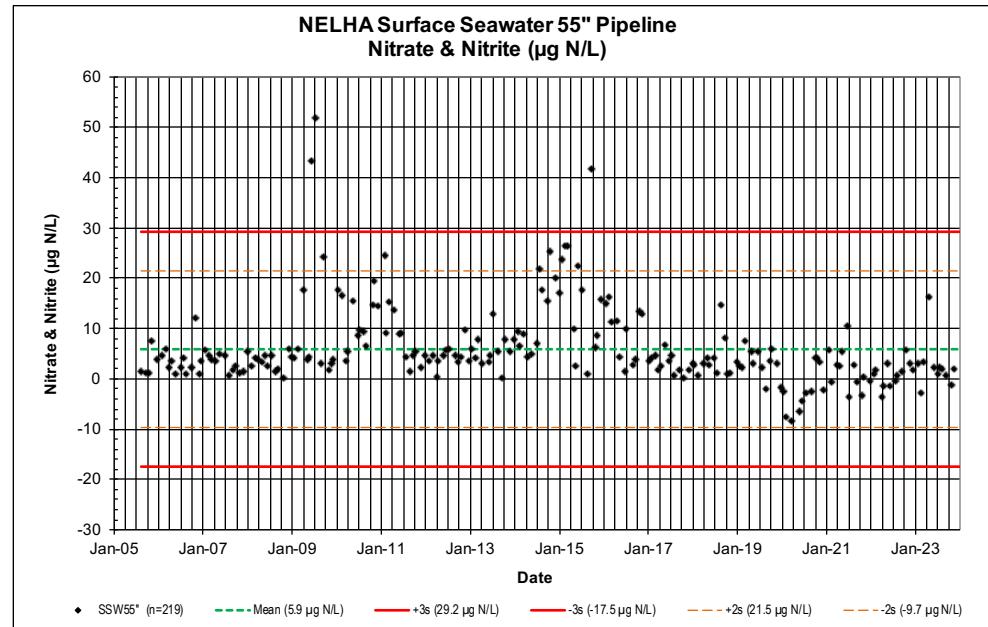
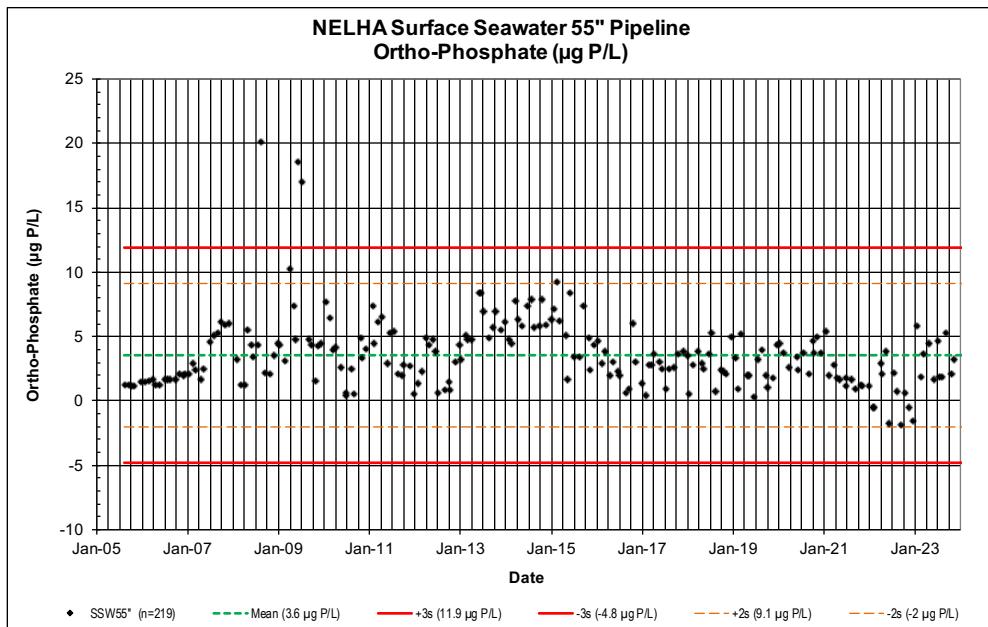
NELHA Water Quality Laboratory

SSW 55"

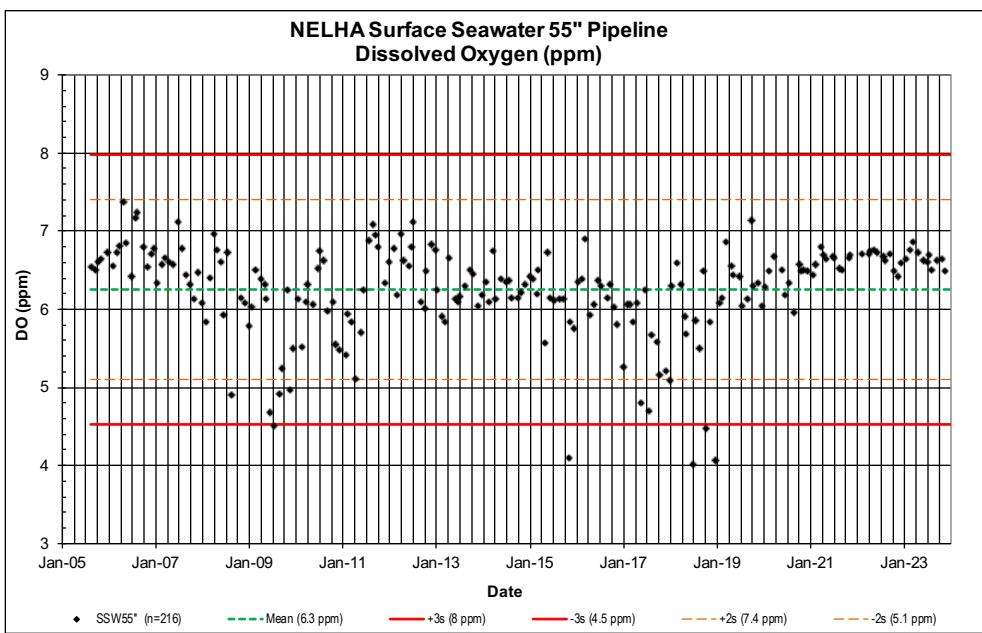
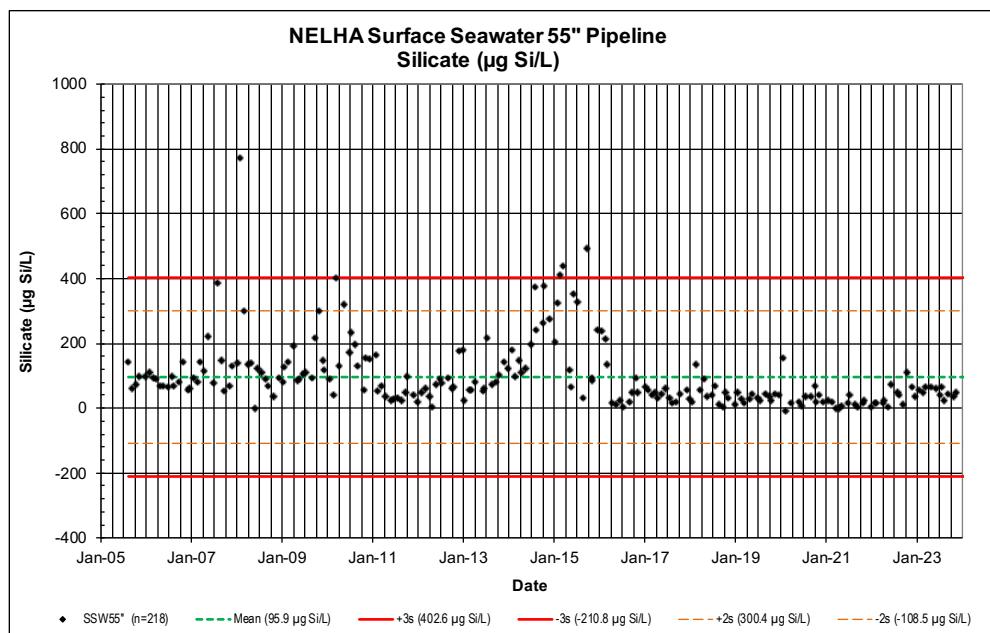
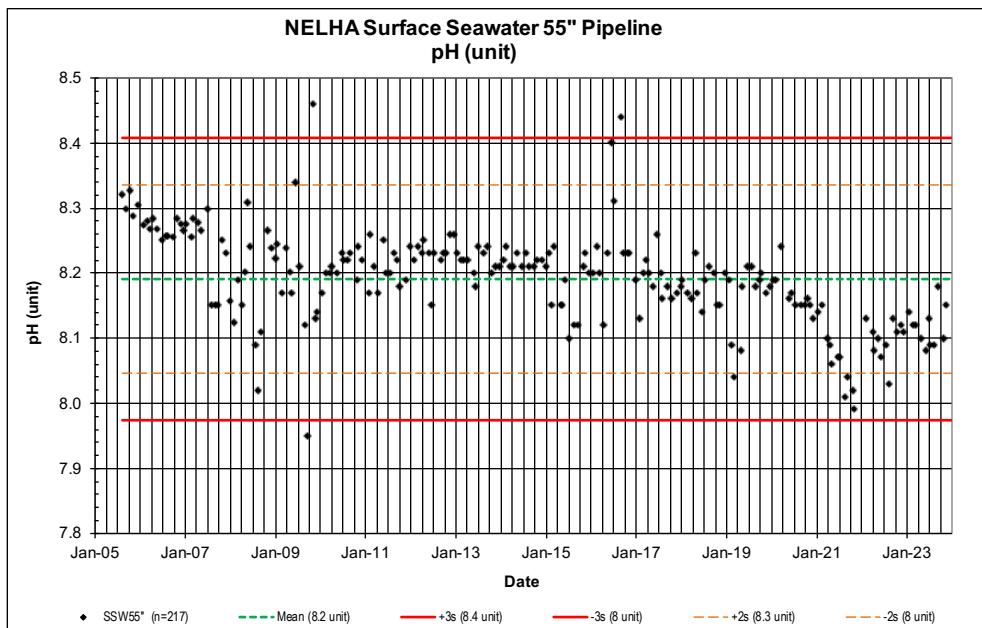
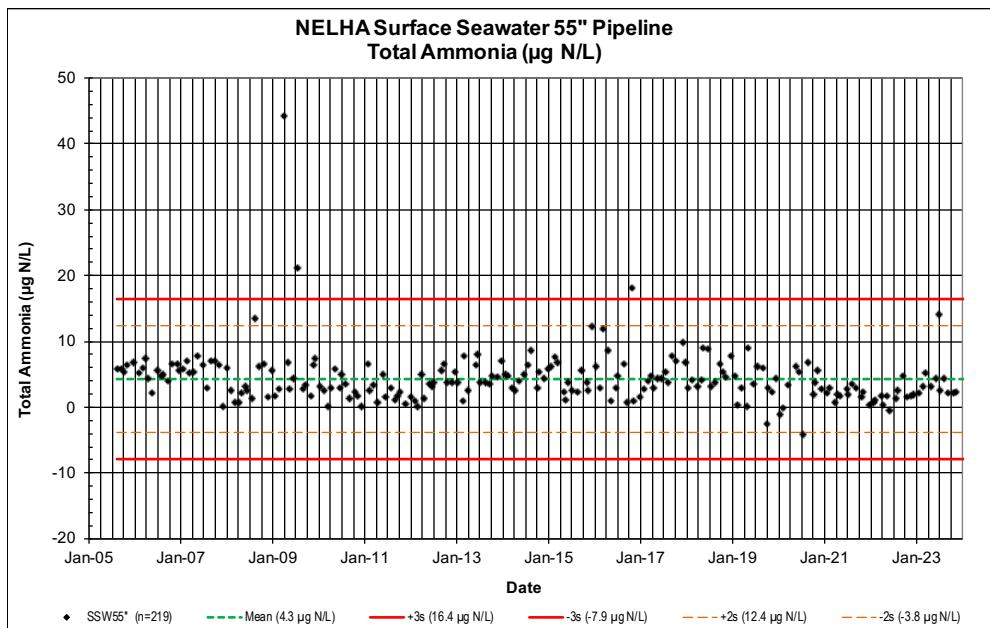
Intake Depth: 24 m, Offshore Pipe Length: 165 m

| SITE ID | DATE MD/Y | TIME (2400) | PO ₄ ³⁻ (µM) | NO ₃ ⁻ & NO ₂ ⁻ (µM) | NH ₄ ⁺ & NH ₃ (µM) | Si (µg Si/L) | TDP (µg N/L) | TDN (µM) | TOC (mgC/L) | TSS (mg/L) | Turbidity (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL | | | |
|--------------------------|--------------|----------------|---------------------------------------|---|--|-----------------|-----------------|-------------|----------------|---------------|--------------------|----------------|-------------------|--------------|--------------|-------------|---------------------|---|------|------|-----|
| SSW 55" | 7/14/20 | 1045 | 0.12 | 3.7 | -0.19 | -2.7 | -0.29 | -4.1 | 1.3 | 36 | 0.3 | 9.3 | 1.4 | 20 | | | 34.20 | 26.4 | 8.15 | 6.34 | |
| SSW 55" | 8/25/20 | 936 | 0.07 | 2.1 | -0.18 | -2.5 | 0.48 | 6.7 | 1.2 | 34 | 0.2 | 7.2 | 5.2 | 73 | | | 35.86 | 26.9 | 8.15 | 5.95 | |
| SSW 55" | 9/30/20 | 933 | 0.15 | 4.7 | 0.29 | 4.1 | 0.14 | 1.9 | 2.4 | 67 | 0.2 | 7.0 | 5.5 | 77 | | | 35.22 | 26.8 | 8.15 | 6.57 | |
| SSW 55" | 10/14/20 | 1028 | 0.12 | 3.7 | 0.29 | 4.1 | 0.27 | 3.8 | 0.7 | 20 | 0.2 | 6.5 | 4.4 | 62 | | | 35.30 | 26.8 | 8.16 | 6.49 | |
| SSW 55" | 11/4/20 | 1050 | 0.16 | 5.0 | 0.24 | 3.3 | 0.40 | 5.6 | 1.4 | 38 | 0.3 | 10.5 | 6.8 | 95 | | | 35.38 | 27.4 | 8.15 | 6.50 | |
| SSW 55" | 12/4/20 | 956 | 0.12 | 3.7 | -0.16 | -2.2 | 0.19 | 2.7 | 0.6 | 17 | 0.2 | 7.4 | 4.8 | 68 | | | 35.50 | 26.7 | 8.13 | 6.49 | |
| SSW 55" | 1/14/21 | 950 | 0.17 | 5.4 | 0.40 | 5.6 | 0.16 | 2.2 | 0.8 | 23 | 0.1 | 3.9 | 4.6 | 64 | | | 35.79 | 25.9 | 8.14 | 6.44 | |
| SSW 55" | 2/11/21 | 1019 | 0.06 | 2.0 | -0.06 | -0.8 | 0.21 | 3.0 | 0.7 | 21 | 0.1 | 2.2 | 4.6 | 65 | | | 35.70 | 25.2 | 8.15 | 6.57 | |
| SSW 55" | 3/24/21 | 1159 | 0.09 | 2.8 | 0.19 | 2.7 | 0.05 | 0.7 | 0.0 | -1 | 0.2 | 5.0 | 4.3 | 60 | | | 35.73 | 25.0 | 8.10 | 6.79 | |
| SSW 55" | 4/13/21 | 1024 | 0.06 | 1.8 | 0.19 | 2.6 | 0.14 | 1.9 | -0.1 | -3 | 0.2 | 5.0 | 4.0 | 57 | | | 35.60 | 24.8 | 8.09 | 6.69 | |
| SSW 55" | 5/4/21 | 1129 | 0.05 | 1.7 | 0.39 | 5.5 | 0.13 | 1.8 | 0.2 | 5 | 0.1 | 4.0 | 4.6 | 64 | | | 35.75 | 24.9 | 8.06 | 6.64 | |
| SSW 55" | 6/22/21 | 948 | 0.06 | 1.8 | 0.75 | 10.5 | 0.19 | 2.7 | 0.6 | 17 | 0.2 | 6.6 | 4.8 | 67 | | | 35.87 | 25.2 | 8.07 | 6.67 | |
| SSW 55" | 7/1/21 | 1446 | 0.04 | 1.1 | -0.26 | -3.6 | 0.14 | 1.9 | 1.5 | 41 | 0.2 | 6.1 | 4.3 | 60 | | | 35.40 | 25.6 | 8.07 | 6.66 | |
| SSW 55" | 8/11/21 | 1006 | 0.05 | 1.7 | 0.20 | 2.8 | 0.25 | 3.5 | 0.4 | 11 | 0.2 | 4.9 | 6.0 | 83 | | | 35.42 | 26.7 | 8.01 | 6.52 | |
| SSW 55" | 9/7/21 | 1010 | 0.03 | 0.9 | -0.04 | -0.6 | 0.21 | 2.9 | 0.0 | 1 | 0.2 | 5.3 | 5.1 | 71 | | | 35.50 | 26.8 | 8.04 | 6.51 | |
| SSW 55" | 10/19/21 | 1342 | 0.04 | 1.2 | -0.24 | -3.3 | 0.10 | 1.4 | 0.5 | 14 | 0.2 | 4.9 | 4.3 | 60 | | | 35.56 | 26.1 | 8.02 | 6.65 | |
| SSW 55" | 11/4/21 | 1520 | 0.04 | 1.1 | 0.03 | 0.4 | 0.17 | 2.4 | 0.9 | 25 | 0.2 | 5.3 | 4.4 | 62 | | | 35.30 | 25.5 | 7.99 | 6.69 | |
| SSW 55" | 12/21/21 | 1354 | 0.04 | 1.1 | -0.03 | -0.4 | 0.02 | 0.3 | 0.1 | 3 | 0.2 | 7.1 | 5.1 | 71 | | | 1.40 | 0.07 | | | |
| SSW 55" | 1/27/22 | 947 | -0.02 | -0.5 | 0.06 | 0.8 | 0.05 | 0.7 | 0.5 | 15 | 0.2 | 6.5 | 4.2 | 58 | | | 1.05 | 0.04 | | | |
| SSW 55" | 2/3/22 | 1017 | -0.02 | -0.5 | 0.13 | 1.8 | 0.08 | 1.1 | 0.6 | 16 | 0.1 | 1.8 | 4.5 | 63 | | | 34.86 | 25.1 | 8.13 | 6.71 | |
| SSW 55" | 3/29/22 | 1120 | 0.09 | 2.9 | -0.26 | -3.7 | 0.11 | 1.6 | 0.5 | 13 | 0.2 | 6.1 | 5.2 | 72 | | | 34.53 | 25.0 | 8.11 | 6.71 | |
| SSW 55" | 4/12/22 | 1107 | 0.07 | 2.1 | -0.10 | -1.4 | 0.01 | 0.2 | 0.8 | 22 | 0.2 | 5.9 | 5.0 | 70 | | | 34.81 | 25.4 | 8.08 | 6.74 | |
| SSW 55" | 5/10/22 | 946 | 0.12 | 3.8 | 0.21 | 2.9 | 0.13 | 1.8 | 0.1 | 4 | 0.3 | 9.3 | 4.7 | 66 | | | 34.52 | 25.2 | 8.10 | 6.75 | |
| SSW 55" | 6/1/22 | 1001 | -0.06 | -1.8 | -0.10 | -1.4 | -0.04 | -0.5 | 2.6 | 74 | 0.2 | 5.6 | 4.9 | 68 | | | 34.64 | 25.7 | 8.07 | 6.73 | |
| SSW 55" | 7/2/22 | 1101 | 0.07 | 2.2 | -0.03 | -0.4 | 0.09 | 1.2 | 1.8 | 49 | 0.2 | 5.0 | 4.9 | 69 | | | 34.86 | 26.2 | 8.09 | 6.66 | |
| SSW 55" | 8/2/22 | 1503 | 0.02 | 0.7 | 0.04 | 0.6 | 0.18 | 2.5 | 1.4 | 39 | 0.2 | 4.7 | 4.7 | 66 | | | 34.82 | 26.8 | 8.03 | 6.62 | |
| SSW 55" | 9/8/22 | 1015 | -0.06 | -1.9 | 0.09 | 1.3 | 0.34 | 4.8 | 0.4 | 11 | 0.1 | 4.5 | 5.3 | 75 | | | 35.03 | 26.4 | 8.13 | 6.71 | |
| SSW 55" | 10/12/22 | 929 | 0.02 | 0.6 | 0.40 | 5.6 | 0.11 | 1.5 | 3.8 | 108 | 0.2 | 5.7 | 5.0 | 70 | | | 34.76 | 27.1 | 8.11 | 6.48 | |
| SSW 55" | 11/16/22 | 925 | -0.02 | -0.5 | 0.21 | 2.9 | 0.13 | 1.8 | 2.3 | 64 | 0.2 | 5.4 | 6.1 | 86 | | | 34.93 | 27.0 | 8.12 | 6.41 | |
| SSW 55" | 12/8/22 | 1101 | -0.05 | -1.6 | 0.12 | 1.7 | 0.14 | 2.0 | 1.2 | 34 | 0.1 | 4.1 | 4.9 | 69 | | | 35.09 | 25.8 | 8.11 | 6.58 | |
| SSW 55" | 1/17/23 | 945 | 0.19 | 5.8 | 0.22 | 3.1 | 0.15 | 2.1 | 1.9 | 54 | 0.2 | 7.0 | 4.5 | 62 | | | 34.86 | 25.2 | 8.14 | 6.64 | |
| SSW 55" | 2/16/23 | 911 | 0.06 | 1.9 | -0.19 | -2.7 | 0.23 | 3.2 | 1.6 | 46 | 0.2 | 7.5 | 4.7 | 66 | | | 34.75 | 24.5 | 8.12 | 6.75 | |
| SSW 55" | 3/10/23 | 1031 | 0.12 | 3.6 | 0.24 | 3.3 | 0.37 | 5.2 | 2.3 | 66 | 0.3 | 8.0 | 4.9 | 69 | | | 34.62 | 23.9 | 8.12 | 6.86 | |
| SSW 55" | 4/2/23 | 952 | 0.14 | 4.4 | 1.17 | 16.4 | 0.23 | 3.2 | 2.3 | 64 | 0.2 | 7.7 | 4.4 | 62 | | | 34.65 | 25.0 | 8.10 | 6.72 | |
| SSW 55" | 5/12/23 | 1042 | 0.05 | 1.7 | 0.15 | 2.1 | 0.31 | 4.4 | 2.1 | 59 | 0.2 | 6.4 | 5.3 | 74 | | | 34.76 | 25.8 | 8.08 | 6.63 | |
| SSW 55" | 6/30/23 | 941 | 0.15 | 4.7 | 0.07 | 1.0 | 1.00 | 14.0 | 1.4 | 39 | 0.3 | 10.2 | 5.1 | 72 | | | 34.80 | 25.9 | 8.13 | 6.61 | |
| SSW 55" | 7/12/23 | 1529 | 0.06 | 1.9 | 0.16 | 2.3 | 0.18 | 2.5 | 2.3 | 65 | 0.2 | 5.5 | 5.1 | 72 | | | 34.62 | 26.4 | 8.09 | 6.69 | |
| SSW 55" | 8/4/23 | 955 | 0.06 | 1.9 | 0.14 | 2.0 | 0.31 | 4.4 | 0.8 | 24 | 0.2 | 6.3 | 6.2 | 86 | | | 34.73 | 26.3 | 8.09 | 6.50 | |
| SSW 55" | 9/6/23 | 1318 | 0.17 | 5.3 | 0.04 | 0.5 | 0.16 | 2.2 | 1.6 | 45 | 0.3 | 9.4 | 4.5 | 64 | | | 34.75 | 26.4 | 8.18 | 6.62 | |
| SSW 55" | 10/24/23 | 1558 | 0.07 | 2.1 | -0.09 | -1.2 | 0.16 | 2.2 | 1.2 | 34 | 0.2 | 6.9 | 4.7 | 65 | | | 34.83 | 26.8 | 8.10 | 6.64 | |
| SSW 55" | 11/14/23 | 935 | 0.10 | 3.2 | 0.14 | 2.0 | 0.17 | 2.4 | 1.6 | 46 | 0.3 | 7.9 | 5.2 | 73 | | 0.85 | 3147.00 | 34.87 | 26.5 | 8.15 | |
| SSW 55" | 12/15/23 | | | | | | | | | | | | | | | | | | | | |
| SSW 55" | 1/15/24 | | | | | | | | | | | | | | | | | | | | |
| SSW 55" | 2/15/24 | | | | | | | | | | | | | | | | | | | | |
| SSW 55" | 3/15/24 | | | | | | | | | | | | | | | | | | | | |
| SSW 55" | 4/15/24 | | | | | | | | | | | | | | | | | | | | |
| SSW 55" | 5/15/24 | | | | | | | | | | | | | | | | | | | | |
| SSW 55" | 6/15/24 | | | | | | | | | | | | | | | | | | | | |
| Mean (Aug.'05 - present) | | 0.12 | 3.6 | 0.42 | 5.9 | 0.30 | 4.3 | 3.42 | 95.9 | 0.35 | 10.5 | 5.29 | 74.8 | 0.99 | 1.57 | 19.14 | 2.290 | 34.937 | 26.1 | 8.19 | 6.3 |
| STD DEV | | 0.09 | 2.8 | 0.56 | 7.8 | 0.29 | 4.1 | 3.64 | 102.2 | 0.13 | 4.3 | 2.31 | 31.8 | 0.07 | 1.09 | 244.99 | 0.207 | 0.408 | 1.4 | 0.07 | 0.6 |
| Range | | | | | | | | | | | | | | | | | | | | | |
| UWL | +2s | | | | | | | | | | | | | | | | | | | | |
| LWL | -2s | | | | | | | | | | | | | | | | | | | | |
| UCL | +3s | | | | | | | | | | | | | | | | | | | | |
| LCL | -3s | | | | | | | | | | | | | | | | | | | | |
| Data | | | | | | | | | | | | | | | | | | | | | |
| Max. Value | | 0.65 | 20.1 | 3.71 | 51.9 | 3.16 | 44.2 | 27.5 | 774 | 0.78 | 24.1 | 20.8 | 291 | 1.14 | 8.37 | 3147.00 | 2.661 | 36.170 | 34.1 | 8.46 | 7.4 |
| Min. Value | | -0.06 | -1.9 | -0.60 | -8.4 | -0.29 | -4.1 | -0.3 | -9 | 0.00 | 1.8 | 0.0 | 18 | 0.86 | 0.18 | 0.02 | 1.569 | 32.990 | 23.8 | 7.95 | 4.0 |

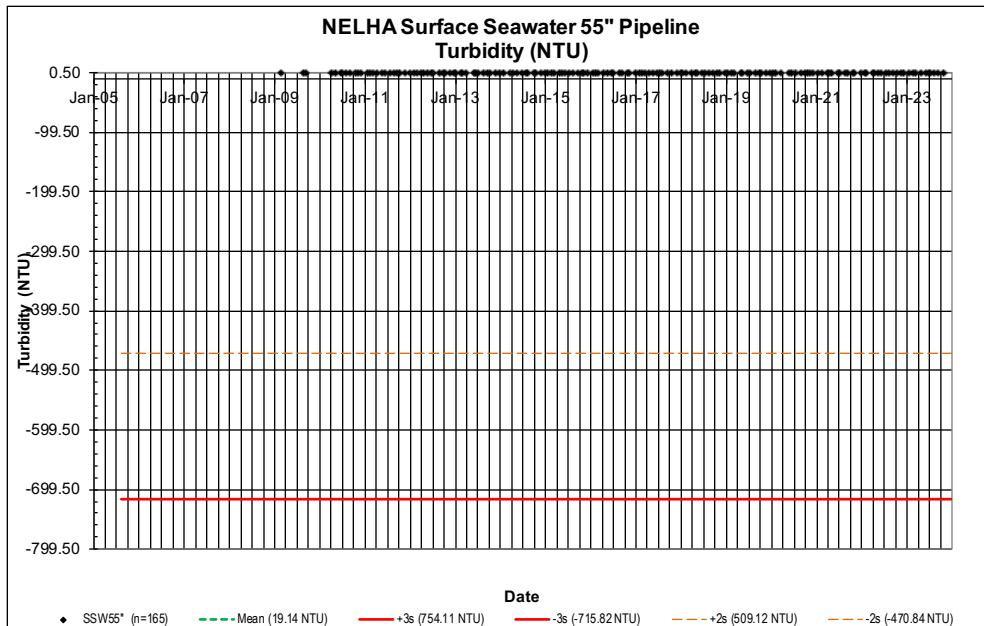
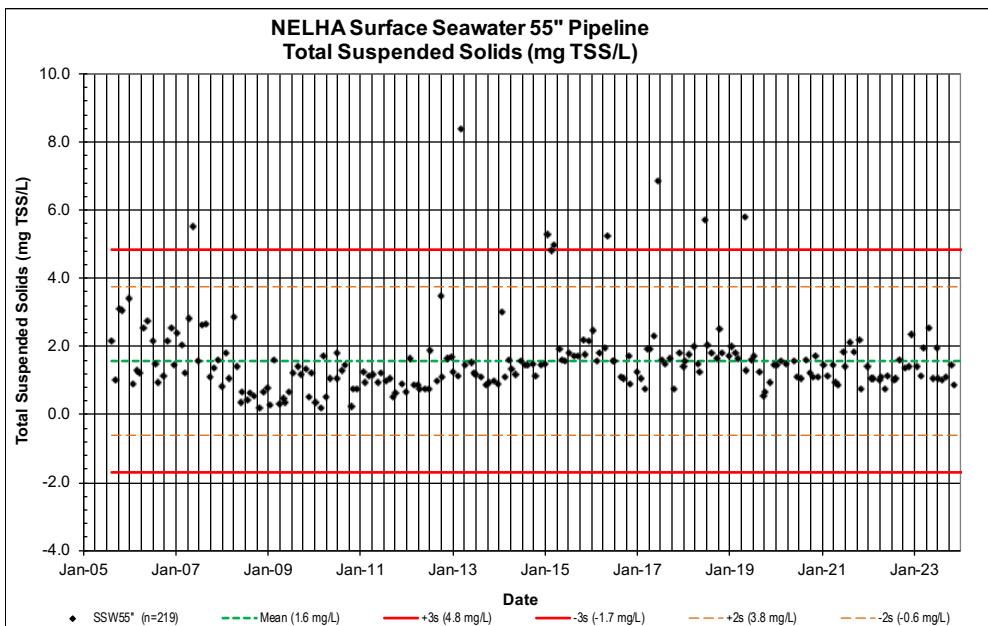
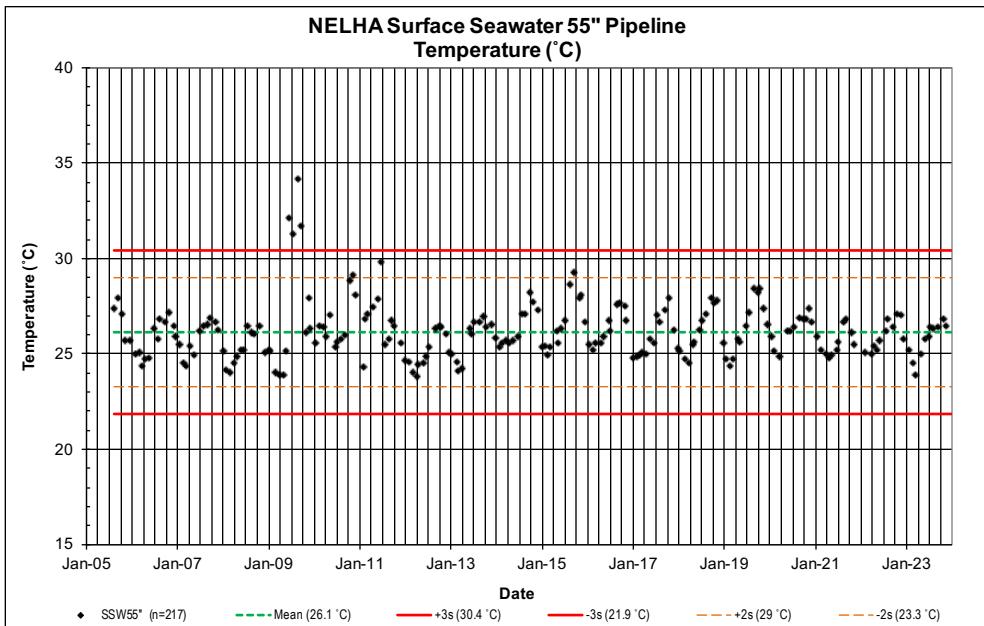
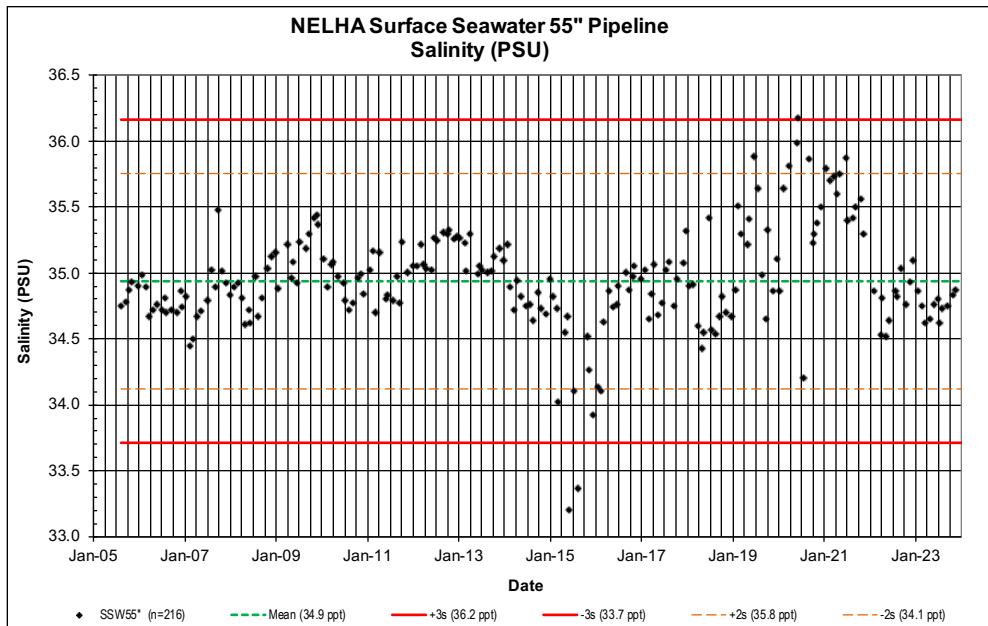
NELHA Water Quality Laboratory
SSW 55"
Intake Depth: 24 m, Offshore Pipe Length: 165 m



NELHA Water Quality Laboratory
SSW 55"
Intake Depth: 24 m, Offshore Pipe Length: 165 m



NELHA Water Quality Laboratory
SSW 55"
Intake Depth: 24 m, Offshore Pipe Length: 165 m



NELHA Water Quality Laboratory
DSW 40"
Intake Depth: 674 m, Offshore Pipe Length: 1,916 m

| SITE ID | DATE MD/Y | TIME (2400) | PO ₄ ³⁻ (µM) | (µg P/L) | NO ₂ ⁻ & NO ₃ ⁻ (µM) | (µg N/L) | NH ₄ ⁺ & NH ₃ (µM) | (µg N/L) | Si (µg Si/L) | TDP (µM) | (µg P/L) | TDN (µM) | (µg N/L) | TOC (mgC/L) | TSS (mg/L) | Turbidity (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL |
|---------|--------------|----------------|---------------------------------------|----------|---|----------|--|----------|-----------------|-------------|----------|-------------|----------|----------------|---------------|--------------------|----------------|-------------------|--------------|--------------|-------------|---------------------|---|
| DSW40" | 08/16/88 | | 2.9 | 91 | 38 | 529 | 0.02 | 0.3 | 78 | 2196 | 3.0 | 93 | 41 | 569 | 0.24 | | | 2.40 | 34.347 | 7.3 | 7.64 | | |
| DSW40" | 08/31/88 | | 3.1 | 95 | 41 | 572 | 0.09 | 1.3 | 80 | 2252 | 3.1 | 96 | 44 | 615 | 0.28 | | | 2.40 | 34.330 | 7.5 | 7.69 | | |
| DSW40" | 09/09/88 | | 3.1 | 97 | 41 | 574 | 0.00 | 0.0 | 83 | 2320 | 3.2 | 98 | 43 | 606 | 0.22 | | | 2.40 | 34.345 | 7.0 | 7.64 | | |
| DSW40" | 09/15/88 | | 3.2 | 98 | 41 | 579 | 0.00 | 0.0 | 86 | 2405 | 3.2 | 99 | 45 | 632 | 0.29 | | | 2.38 | 34.374 | 7.3 | 7.51 | 1.09 | |
| DSW40" | 09/23/88 | | 3.1 | 97 | 41 | 571 | 0.00 | 0.0 | 82 | 2292 | 3.2 | 98 | 43 | 602 | 0.25 | | | 2.41 | 34.289 | 7.5 | 7.64 | 1.07 | |
| DSW40" | 09/30/88 | | 2.9 | 88 | 36 | 503 | 0.03 | 0.4 | 82 | 2309 | 2.9 | 90 | 38 | 538 | 0.24 | | | 2.39 | 34.379 | 7.0 | 7.90 | 1.06 | |
| DSW40" | 10/07/88 | | 3.2 | 99 | 42 | 583 | 0.00 | 0.0 | 86 | 2402 | 3.2 | 99 | 44 | 616 | 0.26 | | | 2.41 | 34.383 | 7.8 | 7.82 | 1.00 | |
| DSW40" | 10/14/88 | | 3.1 | 97 | 41 | 574 | 0.00 | 0.0 | 80 | 2252 | 3.2 | 98 | 43 | 604 | 0.25 | | | 2.40 | 34.351 | 7.4 | 7.50 | 1.06 | |
| DSW40" | 10/21/88 | | 3.2 | 98 | 41 | 580 | 0.00 | 0.0 | 85 | 2377 | 3.2 | 99 | 44 | 612 | 0.24 | | | 2.41 | 34.326 | 7.4 | 7.64 | 1.03 | |
| DSW40" | 10/28/88 | | 3.2 | 98 | 41 | 576 | 0.00 | 0.0 | 83 | 2320 | 3.2 | 100 | 43 | 607 | 0.20 | | | 2.38 | 34.377 | 7.3 | 7.55 | 1.14 | |
| DSW40" | 11/04/88 | | 3.1 | 95 | 41 | 571 | 0.00 | 0.0 | 78 | 2188 | 3.1 | 94 | 44 | 611 | 0.30 | | | 2.41 | 34.355 | 7.8 | 7.66 | 1.00 | |
| DSW40" | 11/09/88 | | 3.2 | 98 | 41 | 580 | 0.00 | 0.0 | 77 | 2160 | 3.4 | 104 | 43 | 604 | 0.23 | | | 2.40 | 34.020 | 6.8 | 7.55 | 1.06 | |
| DSW40" | 11/16/88 | | 3.0 | 94 | 40 | 559 | 0.00 | 0.0 | 82 | 2317 | 3.1 | 95 | 43 | 596 | 0.32 | | | 2.41 | 34.384 | 7.0 | 7.59 | 1.08 | |
| DSW40" | 11/25/88 | | 3.1 | 96 | 41 | 573 | 0.00 | 0.0 | 80 | 2233 | 3.2 | 98 | 43 | 608 | 0.31 | | | 2.40 | 34.369 | 6.9 | 7.58 | 1.11 | |
| DSW40" | 12/02/88 | | 3.1 | 95 | 41 | 568 | 0.00 | 0.0 | 77 | 2174 | 3.1 | 96 | 43 | 597 | 0.30 | | | 2.40 | 34.348 | 7.0 | 8.00 | 1.09 | |
| DSW40" | 12/09/88 | | 3.1 | 96 | 41 | 580 | 0.00 | 0.0 | 83 | 2328 | 3.1 | 96 | 43 | 608 | 0.26 | | | 2.40 | 34.384 | 7.0 | 7.63 | 0.98 | |
| DSW40" | 12/16/88 | | 3.1 | 95 | 41 | 571 | 0.00 | 0.0 | 79 | 2205 | 3.1 | 96 | 43 | 599 | 0.30 | | | 2.40 | 34.357 | 7.1 | 7.66 | 1.19 | |
| DSW40" | 12/23/88 | | 3.2 | 98 | 42 | 585 | 0.03 | 0.4 | 85 | 2401 | 3.2 | 98 | 44 | 616 | 0.27 | | | 2.40 | 34.405 | 7.3 | 7.55 | 1.13 | |
| DSW40" | 12/28/88 | | 3.0 | 94 | 40 | 557 | 0.00 | 0.0 | 79 | 2222 | 3.0 | 94 | 43 | 604 | 0.28 | | | 2.42 | 34.377 | 7.0 | 7.62 | 1.07 | |
| DSW40" | 01/04/89 | | 3.0 | 94 | 40 | 560 | 0.00 | 0.0 | 79 | 2206 | 3.1 | 94 | 43 | 596 | 0.28 | | | 2.42 | 34.368 | 7.1 | 7.57 | 1.13 | |
| DSW40" | 01/11/89 | | 3.1 | 95 | 41 | 568 | 0.02 | 0.3 | 81 | 2261 | 3.1 | 96 | 45 | 629 | 0.29 | | | 2.42 | 34.379 | 7.2 | 7.59 | 0.97 | |
| DSW40" | 01/20/89 | | 3.1 | 96 | 41 | 573 | 0.00 | 0.0 | 81 | 2261 | 3.1 | 96 | 44 | 610 | 0.28 | | | 2.42 | 34.384 | 6.6 | 7.56 | 1.00 | |
| DSW40" | 01/27/89 | | 3.1 | 96 | 41 | 572 | 0.02 | 0.3 | 82 | 2289 | 3.1 | 97 | 44 | 617 | 0.28 | | | 2.41 | 34.378 | 6.8 | 7.57 | 0.99 | |
| DSW40" | 02/01/89 | | 3.1 | 96 | 42 | 584 | 0.02 | 0.3 | 81 | 2278 | 3.2 | 98 | 44 | 620 | 0.32 | | | 2.40 | 34.398 | 7.2 | 7.58 | 1.07 | |
| DSW40" | 02/07/89 | | 3.1 | 96 | 41 | 573 | 0.00 | 0.0 | 84 | 2373 | 3.2 | 98 | 44 | 620 | 0.28 | | | 2.41 | 34.392 | 6.9 | 7.62 | 2.23 | |
| DSW40" | 02/15/89 | | 3.1 | 96 | 41 | 570 | 0.00 | 0.0 | 80 | 2250 | 3.1 | 97 | 44 | 614 | 0.28 | | | 2.40 | 34.392 | 9.0 | 7.56 | 1.34 | |
| DSW40" | 02/21/89 | | 3.1 | 95 | 40 | 565 | 0.02 | 0.3 | 82 | 2289 | 3.1 | 96 | 44 | 620 | 0.31 | | | 2.41 | 34.371 | 8.7 | 7.59 | 1.09 | |
| DSW40" | 02/27/89 | | 3.1 | 95 | 40 | 567 | 0.00 | 0.0 | 82 | 2306 | 3.1 | 96 | 44 | 615 | 0.29 | | | 2.42 | 34.368 | 7.0 | 7.57 | 1.01 | |
| DSW40" | 03/06/89 | | 3.1 | 94 | 41 | 577 | 0.02 | 0.3 | 74 | 2076 | 3.1 | 96 | 44 | 610 | 0.26 | | | 2.40 | 34.375 | 7.4 | 7.55 | 1.04 | |
| DSW40" | 03/13/89 | | 3.0 | 93 | 41 | 574 | 0.07 | 1.0 | 76 | 2132 | 3.0 | 93 | 44 | 613 | 0.23 | | | 2.41 | 34.369 | 7.5 | 7.55 | 1.14 | |
| DSW40" | 03/20/89 | | 3.1 | 95 | 42 | 582 | 0.05 | 0.7 | 81 | 2284 | 3.1 | 96 | 44 | 621 | 0.26 | | | 2.41 | 34.404 | 7.7 | 7.60 | 1.14 | |
| DSW40" | 03/28/89 | | 3.1 | 96 | 42 | 592 | 0.07 | 1.0 | 84 | 2368 | 3.2 | 98 | 45 | 630 | 0.29 | | | 2.42 | 34.417 | 7.0 | 7.56 | 1.14 | |
| DSW40" | 04/04/89 | | 3.1 | 96 | 42 | 585 | 0.02 | 0.3 | 81 | 2284 | 3.1 | 97 | 44 | 619 | 0.30 | | | 2.39 | 34.399 | 7.0 | 7.58 | 1.11 | |
| DSW40" | 04/10/89 | | 3.1 | 95 | 41 | 580 | 0.00 | 0.0 | 79 | 2216 | 3.1 | 97 | 44 | 616 | 0.27 | | | 2.43 | 34.384 | 7.3 | 7.55 | 2.09 | |
| DSW40" | 04/18/89 | | 3.1 | 95 | 41 | 578 | 0.02 | 0.3 | 77 | 2171 | 3.1 | 96 | 44 | 618 | 0.22 | | | 2.41 | 34.379 | 7.0 | 7.56 | 1.04 | |
| DSW40" | 04/24/89 | | 3.0 | 94 | 42 | 582 | 0.00 | 0.0 | 79 | 2227 | 3.1 | 96 | 45 | 625 | 0.33 | | | 2.42 | 34.368 | 7.1 | 7.54 | 1.15 | |
| DSW40" | 05/01/89 | | 3.0 | 94 | 42 | 587 | 0.00 | 0.0 | 84 | 2366 | 3.1 | 96 | 45 | 636 | 0.03 | | | 2.43 | 34.381 | 8.4 | 7.54 | 1.04 | |
| DSW40" | 05/08/89 | | 3.1 | 96 | 42 | 594 | 0.00 | 0.0 | 86 | 2410 | 3.1 | 97 | 46 | 643 | 0.25 | | | 2.43 | 34.321 | 8.2 | 7.54 | 1.40 | |
| DSW40" | 05/15/89 | | 3.1 | 96 | 42 | 591 | 0.00 | 0.0 | 86 | 2421 | 3.1 | 97 | 46 | 639 | 0.24 | | | 2.42 | 34.402 | 6.7 | 7.54 | 1.07 | |
| DSW40" | 05/22/89 | | 3.1 | 95 | 42 | 586 | 0.00 | 0.0 | 84 | 2354 | 3.1 | 97 | 44 | 622 | 0.23 | | | 2.42 | 34.398 | 6.8 | 7.52 | 1.40 | |
| DSW40" | 05/30/89 | | 3.1 | 96 | 42 | 594 | 0.00 | 0.0 | 87 | 2448 | 3.2 | 98 | 45 | 629 | 0.20 | | | 2.42 | 34.407 | 6.8 | 7.55 | 1.07 | |
| DSW40" | 06/05/89 | | 3.1 | 95 | 42 | 592 | 0.03 | 0.4 | 81 | 2283 | 3.1 | 97 | 45 | 630 | 0.25 | | | 2.43 | 34.397 | 7.2 | 7.56 | 1.09 | |
| DSW40" | 06/13/89 | | 3.1 | 95 | 41 | 574 | 0.00 | 0.0 | 87 | 2448 | 3.1 | 97 | 45 | 635 | 0.20 | | | 2.43 | 34.411 | 7.4 | 7.57 | 1.10 | |
| DSW40" | 06/19/89 | | 3.1 | 96 | 42 | 594 | 0.00 | 0.0 | 87 | 2448 | 3.2 | 99 | 45 | 635 | 0.26 | | | 2.44 | 34.421 | 7.1 | 7.58 | 1.16 | |
| DSW40" | 06/26/89 | | 3.1 | 95 | 42 | 584 | 0.00 | 0.0 | 83 | 2338 | 3.2 | 98 | 45 | 625 | 0.27 | | | 2.43 | 34.421 | 7.2 | | 1.10 | |

NELHA Water Quality Laboratory

DSW 40"

Intake Depth: 674 m, Offshore Pipe Length: 1,916 m

| SITE ID | DATE MD/Y | TIME (2400) | PO ₄ ³⁻ (μ M) | (μ g P/L) | NO ₂ ⁻ & NO ₃ ⁻ (μ M) | (μ g N/L) | NH ₄ ⁺ & NH ₃ (μ M) | (μ g N/L) | Si (μ g Si/L) | TDP (μ M) | (μ g P/L) | TDN (μ M) | (μ g N/L) | TOC (mgC/L) | TSS (mg/L) | Turbidity (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL |
|---------|--------------|----------------|---|----------------|---|----------------|--|----------------|-----------------------|-------------------|----------------|-------------------|----------------|----------------|---------------|--------------------|----------------|-------------------|--------------|--------------|-------------|---------------------|---|
| DSW40" | 07/03/89 | | 3.1 | 95 | 42 | 583 | 0.00 | 0.0 | 84 | 2366 | 3.1 | 95 | 44 | 623 | 0.23 | | | 2.40 | 34.410 | 7.1 | | 1.09 | |
| DSW40" | 07/10/89 | | 3.1 | 96 | 42 | 586 | 0.03 | 0.4 | 88 | 2462 | 3.1 | 96 | 45 | 632 | 0.24 | | | 2.39 | 34.419 | 7.8 | | 1.04 | |
| DSW40" | 07/17/89 | | 3.1 | 96 | 41 | 577 | 0.03 | 0.4 | 88 | 2473 | 3.2 | 98 | 45 | 626 | 0.27 | | | 2.38 | 34.429 | 7.4 | | 1.09 | |
| DSW40" | 07/24/89 | | 3.1 | 96 | 41 | 577 | 0.00 | 0.0 | 82 | 2313 | 3.1 | 97 | 44 | 621 | 0.26 | | | 2.39 | 34.392 | 7.4 | 7.54 | 1.04 | |
| DSW40" | 08/01/89 | | 3.2 | 98 | 42 | 592 | 0.03 | 0.4 | 89 | 2500 | 3.2 | 98 | 45 | 629 | 0.24 | | | 2.38 | 34.430 | 7.2 | 7.53 | 1.05 | |
| DSW40" | 08/07/89 | | 3.1 | 95 | 41 | 573 | 0.06 | 0.8 | 84 | 2347 | 3.1 | 97 | 44 | 622 | 0.29 | | | 2.39 | 34.383 | 7.5 | 7.53 | 0.97 | |
| DSW40" | 08/14/89 | | 3.1 | 96 | 41 | 578 | 0.05 | 0.7 | 82 | 2302 | 3.1 | 97 | 45 | 623 | 0.27 | | | 2.39 | 34.385 | 7.4 | 7.55 | 0.93 | |
| DSW40" | 08/21/89 | | 3.1 | 96 | 42 | 586 | 0.03 | 0.4 | 84 | 2366 | 3.1 | 97 | 45 | 625 | 0.27 | | | 2.39 | 34.398 | 7.5 | 7.53 | 0.90 | |
| DSW40" | 08/31/89 | | 3.0 | 93 | 41 | 576 | 0.03 | 0.4 | 79 | 2217 | 3.1 | 95 | 43 | 603 | 0.26 | | | 2.37 | 34.373 | 7.54 | 0.97 | | |
| DSW40" | 09/05/89 | | 3.0 | 93 | 41 | 574 | 0.03 | 0.4 | 76 | 2148 | 3.1 | 95 | 43 | 606 | 0.30 | | | 2.39 | 34.373 | 7.9 | 7.56 | 0.93 | |
| DSW40" | 09/11/89 | | 3.0 | 92 | 41 | 570 | 0.05 | 0.7 | 78 | 2188 | 3.0 | 93 | 44 | 622 | 0.24 | | | 2.37 | 34.378 | 7.6 | 7.55 | 1.10 | |
| DSW40" | 09/19/89 | | 3.0 | 94 | 41 | 577 | 0.03 | 0.4 | 82 | 2302 | 3.1 | 96 | 45 | 633 | 0.32 | | | 2.37 | 34.394 | 7.7 | 7.55 | 1.13 | |
| DSW40" | 09/27/89 | | 3.1 | 95 | 42 | 585 | 0.05 | 0.7 | 85 | 2377 | 3.1 | 95 | 45 | 627 | 0.28 | | | 2.37 | 34.413 | 7.7 | 7.58 | 1.09 | |
| DSW40" | 10/03/89 | | 3.0 | 94 | 42 | 589 | 0.05 | 0.7 | 85 | 2377 | 3.1 | 95 | 43 | 608 | 0.27 | | | 2.37 | 34.412 | 7.9 | 7.55 | 1.27 | |
| DSW40" | 10/09/89 | | 3.0 | 94 | 42 | 586 | 0.03 | 0.4 | 81 | 2274 | 3.0 | 94 | 43 | 604 | 0.24 | | | 2.37 | 34.388 | 7.8 | 7.59 | 1.09 | |
| DSW40" | 10/16/89 | | 3.1 | 96 | 43 | 602 | 0.03 | 0.4 | 88 | 2462 | 3.1 | 97 | 44 | 619 | 0.25 | | | 2.37 | 34.434 | 7.7 | 7.55 | 1.00 | |
| DSW40" | 10/23/89 | | 3.0 | 94 | 42 | 585 | 0.00 | 0.0 | 78 | 2177 | 3.1 | 95 | 44 | 610 | 0.31 | | | 2.35 | 34.387 | 8.0 | 7.53 | 1.09 | |
| DSW40" | 11/01/89 | | 3.1 | 95 | 42 | 582 | 0.00 | 0.0 | 81 | 2268 | 3.1 | 95 | 44 | 612 | 0.25 | | | 2.37 | 34.377 | 7.9 | 7.52 | 1.07 | |
| DSW40" | 11/09/89 | | 3.1 | 94 | 41 | 571 | 0.02 | 0.3 | 81 | 2278 | 3.1 | 95 | 44 | 610 | 0.23 | | | 2.60 | 34.390 | 7.7 | 7.55 | 1.44 | |
| DSW40" | 11/13/89 | | 3.1 | 97 | 42 | 586 | 0.06 | 0.8 | 85 | 2393 | 3.2 | 98 | 45 | 631 | 0.27 | | | 2.36 | 34.438 | 7.6 | 7.52 | 1.34 | |
| DSW40" | 11/20/89 | | 3.1 | 95 | 41 | 574 | 0.00 | 0.0 | 83 | 2324 | 3.1 | 97 | 44 | 618 | 0.26 | | | 2.35 | 34.405 | 7.5 | 7.54 | 1.37 | |
| DSW40" | 11/27/89 | | 3.1 | 97 | 41 | 581 | 0.02 | 0.3 | 87 | 2450 | 3.2 | 98 | 44 | 617 | 0.25 | | | 2.37 | 34.415 | 7.5 | 7.51 | 1.29 | |
| DSW40" | 12/07/89 | | 3.1 | 97 | 42 | 586 | 0.06 | 0.8 | 89 | 2507 | 3.2 | 98 | 45 | 626 | 0.25 | | | 2.37 | 34.423 | 7.6 | 7.55 | 1.43 | |
| DSW40" | 12/14/89 | | 3.1 | 95 | 41 | 579 | 0.02 | 0.3 | 86 | 2422 | 3.1 | 97 | 44 | 610 | 0.25 | | | 2.36 | 34.402 | 7.2 | 7.55 | 1.31 | |
| DSW40" | 12/18/89 | | 3.1 | 96 | 41 | 577 | 0.02 | 0.3 | 85 | 2393 | 3.1 | 97 | 44 | 613 | 0.26 | | | 2.36 | 34.397 | 7.4 | 7.54 | 1.20 | |
| DSW40" | 12/26/89 | | 3.1 | 96 | 42 | 582 | 0.04 | 0.6 | 87 | 2450 | 3.1 | 96 | 44 | 613 | 0.23 | | | 2.33 | 34.410 | 7.2 | 7.55 | 1.29 | |
| DSW40" | 01/04/90 | | 3.1 | 96 | 41 | 581 | 0.02 | 0.3 | 85 | 2393 | 3.1 | 97 | 44 | 615 | 0.24 | | | 2.33 | 34.397 | 7.6 | 7.55 | 1.17 | |
| DSW40" | 01/12/90 | | 1.4 | 43 | 25 | 352 | 0.00 | 0.0 | 104 | 2930 | | | | | | | | 2.33 | 34.276 | 7.5 | 7.54 | 1.21 | |
| DSW40" | 01/18/90 | | 1.7 | 52 | 36 | 498 | 0.00 | 0.0 | 80 | 2252 | 1.7 | 53 | 33 | 458 | 0.97 | | | 2.34 | 34.435 | 7.4 | 7.53 | 1.26 | |
| DSW40" | 01/22/90 | | 1.5 | 47 | 33 | 461 | 0.00 | 0.0 | 100 | 2799 | 1.5 | 46 | 30 | 416 | 0.98 | | | 2.34 | 34.430 | 7.4 | 7.54 | 1.27 | |
| DSW40" | 02/01/90 | | 2.1 | 65 | 36 | 507 | 0.00 | 0.0 | 84 | 2365 | 2.2 | 68 | 36 | 509 | 0.80 | | | 2.34 | 34.395 | 7.5 | 7.52 | 1.11 | |
| DSW40" | 02/08/90 | | 2.6 | 81 | 38 | 535 | 0.00 | 0.0 | 79 | 2228 | 2.7 | 84 | 31 | 437 | 1.05 | | | 2.34 | 34.410 | 7.5 | 7.53 | 1.49 | |
| DSW40" | 02/15/90 | | 2.1 | 64 | 31 | 428 | 0.23 | 3.2 | 80 | 2244 | 2.7 | 84 | 39 | 551 | 0.79 | | | 2.34 | 34.412 | 7.5 | 7.55 | 1.11 | |
| DSW40" | 02/20/90 | | 1.5 | 48 | 33 | 461 | 0.75 | 10.5 | 77 | 2156 | 2.3 | 71 | 40 | 567 | 0.84 | | | 2.36 | 34.420 | 7.5 | 7.56 | 1.16 | |
| DSW40" | 02/26/90 | | 1.1 | 35 | 25 | 349 | 0.00 | 0.0 | 77 | 2172 | 2.0 | 61 | 36 | 507 | 0.81 | | | 2.36 | 34.417 | 7.5 | 7.53 | 1.17 | |
| DSW40" | 03/08/90 | | 2.2 | 67 | 30 | 414 | 0.00 | 0.0 | 99 | 2775 | 3.1 | 94 | 33 | 468 | 0.80 | | | 2.36 | 34.425 | 7.3 | 7.55 | 1.04 | |
| DSW40" | 03/13/90 | | 1.9 | 59 | 30 | 423 | 0.34 | 4.8 | 83 | 2333 | 2.9 | 88 | 44 | 611 | 0.89 | | | 2.36 | 34.400 | 7.5 | 7.53 | 1.09 | |
| DSW40" | 03/21/90 | | 1.7 | 54 | 30 | 423 | 0.15 | 2.1 | 73 | 2043 | 2.5 | 78 | 39 | 539 | 0.87 | | | 2.36 | 34.416 | 7.5 | 7.57 | 1.06 | |
| DSW40" | 03/27/90 | | 2.2 | 68 | 33 | 461 | 0.15 | 2.1 | 72 | 2011 | 2.7 | 83 | 38 | 532 | 0.80 | | | 2.37 | 34.531 | 7.8 | 7.56 | 1.14 | |
| DSW40" | 04/02/90 | | 2.6 | 80 | 41 | 579 | 0.00 | 0.0 | 91 | 2564 | 2.2 | 68 | 44 | 612 | | | | 2.36 | 34.388 | 7.6 | 7.52 | 1.07 | |
| DSW40" | 04/09/90 | | 2.2 | 69 | 44 | 611 | 0.00 | 0.0 | 110 | 3101 | 1.9 | 59 | 41 | 580 | | | | 2.37 | 34.432 | 7.3 | 7.55 | 1.11 | |
| DSW40" | 04/16/90 | | 1.8 | 56 | 33 | 457 | 0.00 | 0.0 | 111 | 3117 | 1.4 | 44 | 29 | 406 | | | | 2.36 | 34.391 | 7.7 | 7.59 | 1.13 | |
| DSW40" | 04/23/90 | | 3.0 | 93 | 44 | 613 | 0.00 | 0.0 | | | 3.1 | 94 | 44 | 614 | 0.61 | | | 2.36 | 34.428 | 7.7 | 7.57 | 1.13 | |
| DSW40" | 04/30/90 | | 3.0 | 92 | 43 | 601 | 0.00 | 0.0 | | | 3.0 | 94 | 43 | 606 | | | | 2.35 | 34.401 | 7.8 | 7.55 | 1.21 | |
| DSW40" | 05/07/90 | | 3.0 | 94 | 44 | 612 | 0.00 | 0.0 | | | 3.1 | 95 | 44 | 622 | 0.61 | | | 2.37 | 34.120 | 7.3 | 7.59 | 1.13 | |
| DSW40" | 05/14/90 | | 3.0 | 93 | 43 | 601 | 0.10 | 1.4 | | | 3.0 | 94 | 44 | 610 | 0.57 | | | 2.36 | 34.368 | 7.5 | 7.54 | 1.14 | |
| DSW40" | 05/21/90 | | 3.0 | 94 | 43 | 605 | 0.05 | 0.7 | | | 3.1 | 96 | 44 | 614 | 0.48 | | | 2.36 | 34.387 | 7.2 | 7.59 | 1.06 | |
| DSW40" | 05/29/90 | | 3.0 | 94 | 43 | 608 | 0.05 | 0.7 | | | 3.1 | 96 | 44 | 618 | 0.60 | | | 2.36 | 34.389 | 8.1 | 7.58 | 1.11 | |
| DSW40" | 06/04/90 | | 3.1 | 95 | 44 | 615 | 0.01 | 0.1 | | | 3.2 | 99 | 45 | 626 | 1.68 | | | 2.37 | 34.421 | 8.1 | 7.58 | 1.14 | |
| DSW40" | 06/11/90 | | 3.1 | 96 | 43 | 598 | 0.10 | 1.4 | | | 3.1 | 97 | 43 | 606 | 2.43 | | | 2.37 | 34.413 | 8.0 | 7.58 | 1.11 | |
| DSW40" | 06/18/90 | | 3.1 | 96 | 43 | 597 | 0.00 | 0.0 | | | 3.3 | 103 | 43 | 606 | 1.50 | | | 2.37 | 34.396 | 8.4 | 7.59 | 1.12 | |
| DSW40" | 06/25/90 | | 3.2 | 98 | 43 | 599 | 0.02 | 0.3 | | | 3.3 | 102 | 43 | 608 | 0.66 | | | 2.37 | 34.401 | 7.7 | 7.59 | 1.13 | |

NELHA Water Quality Laboratory

DSW 40"

Intake Depth: 674 m, Offshore Pipe Length: 1,916 m

| SITE ID | DATE MD/Y | TIME (2400) | PO ₄ ³⁻ (μM) | (μg P/L) | NO ₂ ⁻ & NO ₃ ⁻ (μM) | (μg N/L) | NH ₄ ⁺ & NH ₃ (μM) | (μg N/L) | Si (μg Si/L) | TDP (μM) | (μg P/L) | TDN (μM) | (μg N/L) | TOC (mgC/L) | TSS (mg/L) | Turbidity (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL |
|---------|--------------|----------------|---------------------------------------|----------|---|----------|--|----------|-----------------|-------------|----------|-------------|----------|----------------|---------------|--------------------|----------------|-------------------|--------------|--------------|-------------|---------------------|---|
| DSW40" | 07/02/90 | | 3.2 | 99 | 43 | 600 | 0.02 | 0.3 | 87 | 2436 | 3.3 | 103 | 44 | 611 | 2.25 | | | 2.38 | 34.410 | 7.8 | 7.60 | 1.13 | |
| DSW40" | 07/06/90 | | 3.2 | 98 | 43 | 604 | 0.22 | 3.1 | 87 | 2451 | 3.4 | 104 | 44 | 611 | | | 2.36 | 34.415 | 7.5 | 7.58 | 1.15 | | |
| DSW40" | 07/13/90 | | 3.2 | 99 | 43 | 598 | 0.16 | 2.2 | 85 | 2386 | 3.4 | 106 | 44 | 610 | 0.90 | | 2.35 | 34.396 | 7.9 | 7.58 | 1.20 | | |
| DSW40" | 07/23/90 | | 3.2 | 99 | 43 | 597 | 0.00 | 0.0 | 85 | 2378 | 3.4 | 104 | 43 | 605 | 2.17 | | 2.35 | 34.390 | 7.8 | 7.58 | 1.13 | | |
| DSW40" | 07/30/90 | | 3.2 | 99 | 42 | 595 | 0.00 | 0.0 | 82 | 2312 | 3.3 | 103 | 43 | 608 | 1.30 | | 2.36 | 34.378 | 8.1 | 7.56 | 1.09 | | |
| DSW40" | 08/06/90 | | 3.2 | 100 | 43 | 598 | 0.10 | 1.4 | 85 | 2386 | 3.2 | 100 | 43 | 608 | 1.47 | | 2.35 | 34.403 | 8.1 | 7.56 | 1.11 | | |
| DSW40" | 08/13/90 | | 3.0 | 92 | 42 | 584 | 0.00 | 0.0 | | | 3.4 | 106 | 43 | 599 | 2.69 | | 2.36 | 34.395 | 8.0 | 7.57 | 1.16 | | |
| DSW40" | 08/20/90 | | 3.0 | 94 | 42 | 590 | 0.00 | 0.0 | | | 3.3 | 103 | 43 | 607 | 0.69 | | 2.35 | 34.409 | 8.0 | 7.57 | 1.11 | | |
| DSW40" | 08/27/90 | | 3.0 | 94 | 42 | 590 | 0.00 | 0.0 | | | 3.3 | 103 | 43 | 604 | 4.88 | | 2.36 | 34.412 | 8.9 | 7.55 | 1.20 | | |
| DSW40" | 09/04/90 | | 3.0 | 94 | 42 | 590 | 0.00 | 0.0 | | | 3.4 | 104 | 44 | 610 | 3.53 | | 2.35 | 34.411 | 7.9 | 7.54 | 1.10 | | |
| DSW40" | 09/10/90 | | 3.0 | 94 | 42 | 587 | 0.00 | 0.0 | | | 3.3 | 103 | 44 | 610 | 0.74 | | 2.35 | 34.394 | 7.1 | 7.56 | 1.07 | | |
| DSW40" | 09/17/90 | | 2.5 | 79 | 41 | 579 | 0.00 | 0.0 | 97 | 2716 | 3.7 | 114 | 46 | 639 | 0.78 | | 2.33 | 34.292 | 8.4 | 7.55 | 1.20 | | |
| DSW40" | 09/24/90 | | 3.2 | 98 | 42 | 584 | 0.00 | 0.0 | 86 | 2410 | 3.5 | 107 | 43 | 603 | 0.81 | | 2.34 | 34.382 | 7.9 | 7.56 | 1.11 | | |
| DSW40" | 10/01/90 | | 3.3 | 102 | 45 | 625 | 0.00 | 0.0 | 86 | 2428 | 3.5 | 109 | 45 | 636 | 0.76 | | 2.33 | 34.389 | 8.0 | 7.57 | 1.17 | | |
| DSW40" | 10/10/90 | | 2.8 | 86 | 37 | 521 | 0.00 | 0.0 | 99 | 2766 | 3.6 | 112 | 48 | 671 | 0.88 | | 2.33 | 34.388 | 7.9 | 7.57 | 1.12 | | |
| DSW40" | 10/15/90 | | 2.8 | 86 | 38 | 527 | 0.00 | 0.0 | 100 | 2817 | 3.9 | 122 | 50 | 707 | 0.63 | | 2.33 | 34.383 | 7.6 | 8.40 | 1.13 | | |
| DSW40" | 10/22/90 | | 3.4 | 105 | 43 | 597 | 0.00 | 0.0 | 88 | 2480 | 3.4 | 106 | 45 | 631 | 0.97 | | 2.33 | 34.369 | 8.0 | 7.54 | 1.10 | | |
| DSW40" | 10/29/90 | | 3.4 | 105 | 43 | 600 | 0.00 | 0.0 | 87 | 2445 | 3.5 | 108 | 45 | 636 | 0.67 | | 2.34 | 34.397 | 8.0 | 7.55 | 1.12 | | |
| DSW40" | 11/05/90 | | 3.3 | 101 | 43 | 603 | 0.00 | 0.0 | 85 | 2390 | 3.6 | 110 | 45 | 631 | 0.65 | | 2.33 | 34.378 | 8.0 | 7.55 | 1.11 | | |
| DSW40" | 11/13/90 | | 3.1 | 95 | 46 | 649 | 0.00 | 0.0 | 86 | 2424 | 3.3 | 101 | 49 | 682 | 0.62 | | 2.34 | 34.398 | 8.8 | 7.54 | 1.09 | | |
| DSW40" | 11/20/90 | | 3.2 | 99 | 45 | 626 | 0.00 | 0.0 | 88 | 2470 | 3.5 | 109 | 47 | 655 | 0.66 | | 2.33 | 34.389 | 7.5 | 7.55 | 1.04 | | |
| DSW40" | 11/28/90 | | 3.1 | 97 | 43 | 597 | 0.00 | 0.0 | 89 | 2486 | 3.2 | 100 | 44 | 619 | 0.67 | | 2.34 | 34.397 | 7.2 | 7.59 | 1.10 | | |
| DSW40" | 12/03/90 | | 3.2 | 98 | 42 | 592 | 0.00 | 0.0 | 86 | 2427 | 3.3 | 102 | 44 | 615 | 0.62 | | 2.33 | 34.392 | 7.2 | 7.55 | 1.06 | | |
| DSW40" | 12/11/90 | | 3.1 | 97 | 47 | 663 | 0.00 | 0.0 | 86 | 2421 | 3.3 | 102 | 50 | 699 | 0.59 | | 2.33 | 34.397 | 7.3 | 7.56 | 1.05 | | |
| DSW40" | 12/17/90 | | 3.2 | 98 | 45 | 633 | 0.00 | 0.0 | 87 | 2452 | 3.2 | 100 | 47 | 656 | 0.53 | | 2.34 | 34.417 | 7.4 | 7.55 | 1.08 | | |
| DSW40" | 12/28/90 | | 3.1 | 96 | 39 | 539 | 0.00 | 0.0 | 92 | 2573 | 3.4 | 106 | 39 | 545 | 1.14 | | 2.35 | 34.423 | 6.6 | 7.56 | 1.08 | | |
| DSW40" | 01/02/91 | | 3.1 | 96 | 42 | 591 | 0.04 | 0.6 | 89 | 2486 | 3.2 | 98 | 44 | 618 | | | 2.33 | 34.424 | 7.0 | 7.56 | 0.97 | | |
| DSW40" | 01/07/91 | | | | | | | | | | | | | | | | | | 7.7 | 7.60 | 0.94 | | |
| DSW40" | 01/11/91 | | 3.1 | 96 | 45 | 631 | 0.13 | 1.8 | 87 | 2440 | 3.3 | 102 | 46 | 643 | 0.68 | | | 34.402 | | | | | |
| DSW40" | 01/14/91 | | | | | | | | | | | | | | 0.63 | | 2.33 | 34.414 | 7.5 | 7.56 | 0.88 | | |
| DSW40" | 01/24/91 | | 2.9 | 90 | 42 | 595 | 0.03 | 0.4 | 79 | 2208 | 3.0 | 93 | 45 | 626 | 0.61 | | 2.32 | 34.384 | 7.6 | 7.58 | 0.83 | | |
| DSW40" | 01/28/91 | | 3.3 | 101 | 43 | 602 | 0.13 | 1.8 | 85 | 2379 | 3.3 | 102 | 44 | 622 | 0.62 | | 2.27 | 34.427 | 7.4 | 7.57 | 0.96 | | |
| DSW40" | 02/04/91 | | 3.1 | 97 | 42 | 595 | 0.14 | 2.0 | 79 | 2213 | 3.2 | 100 | 45 | 628 | 1.33 | | 2.26 | 34.389 | 7.8 | 7.55 | 0.87 | | |
| DSW40" | 02/11/91 | | 3.2 | 99 | 44 | 613 | 0.14 | 2.0 | 87 | 2429 | 3.3 | 102 | 47 | 651 | 1.39 | | 2.27 | 34.448 | 7.8 | 7.59 | 1.01 | | |
| DSW40" | 02/19/91 | | 3.0 | 94 | 43 | 598 | 0.16 | 2.2 | 88 | 2466 | 3.1 | 97 | 45 | 623 | 1.27 | | 2.26 | 34.407 | 8.1 | 7.56 | 0.88 | | |
| DSW40" | 02/25/91 | | 2.3 | 71 | 32 | 454 | 0.02 | 0.3 | 105 | 2943 | 3.5 | 108 | 49 | 689 | 1.01 | | 2.26 | 34.403 | 7.9 | 7.59 | 0.86 | | |
| DSW40" | 03/04/91 | | 2.6 | 81 | 36 | 497 | 0.05 | 0.7 | 93 | 2615 | 3.2 | 98 | 45 | 632 | 1.08 | | 2.25 | 34.385 | 8.4 | 7.56 | 0.89 | | |
| DSW40" | 03/11/91 | | 2.5 | 77 | 34 | 482 | 0.02 | 0.3 | 99 | 2778 | 3.4 | 106 | 49 | 681 | 1.16 | | 2.26 | 34.371 | 8.0 | 7.54 | 0.89 | | |
| DSW40" | 03/18/91 | | 2.3 | 72 | 34 | 469 | 0.00 | 0.0 | 104 | 2912 | 3.5 | 107 | 49 | 686 | 1.02 | | 2.24 | 34.408 | 7.6 | 7.51 | 0.96 | | |
| DSW40" | 03/27/91 | | 2.3 | 70 | 32 | 445 | 0.05 | 0.7 | 114 | 3196 | 3.2 | 100 | 46 | 649 | 1.00 | | 2.25 | 34.432 | 7.8 | 8.54 | 1.03 | | |
| DSW40" | 04/01/91 | | 3.2 | 99 | 42 | 587 | 0.00 | 0.0 | 90 | 2525 | 3.3 | 101 | 44 | 619 | 0.76 | | 2.24 | 34.350 | 8.0 | | 0.96 | | |
| DSW40" | 04/08/91 | | 3.3 | 101 | 43 | 598 | 0.00 | 0.0 | 89 | 2505 | 3.3 | 103 | 46 | 642 | 0.63 | | 2.37 | 34.416 | 8.0 | 7.55 | 0.99 | | |
| DSW40" | 04/15/91 | | 3.0 | 92 | 41 | 580 | 0.13 | 1.8 | 78 | 2193 | 3.1 | 97 | 43 | 598 | 0.65 | | 2.37 | 34.412 | 8.5 | 7.53 | 1.02 | | |
| DSW40" | 04/23/91 | | 3.2 | 99 | 34 | 475 | 0.00 | 0.0 | 87 | 2449 | 3.3 | 102 | 36 | 500 | 0.71 | | 2.37 | 34.412 | 7.9 | 7.51 | 1.07 | | |
| DSW40" | 04/29/91 | | 3.2 | 98 | 43 | 605 | 0.05 | 0.7 | 85 | 2379 | 3.2 | 100 | 45 | 626 | 0.71 | | 2.37 | 34.396 | 8.3 | 7.55 | 1.02 | | |
| DSW40" | 05/06/91 | | 3.0 | 93 | 42 | 587 | 0.11 | 1.5 | 86 | 2413 | 3.1 | 96 | 44 | 612 | 0.67 | | 2.37 | 34.400 | 8.4 | 7.54 | 1.07 | | |
| DSW40" | 05/13/91 | | 3.0 | 94 | 42 | 588 | 0.16 | 2.2 | 87 | 2455 | 3.1 | 97 | 44 | 620 | 0.69 | | 2.37 | 34.416 | 8.3 | 7.52 | 1.07 | | |
| DSW40" | 05/20/91 | | 3.2 | 98 | 46 | 644 | 0.11 | 1.5 | 90 | 2536 | 3.2 | 100 | 49 | 691 | 0.74 | | 2.38 | 34.411 | 7.5 | 7.51 | 0.98 | | |
| DSW40" | 05/28/91 | | 3.2 | 98 | 45 | 625 | 0.31 | 4.3 | | | 3.2 | 99 | 46 | 646 | 0.71 | | 2.37 | 34.403 | 7.7 | 7.50 | 1.03 | | |
| DSW40" | 06/04/91 | | 3.0 | 94 | 42 | 592 | 0.00 | 0.0 | 87 | 2429 | 3.1 | 97 | 44 | 622 | 0.70 | | 2.37 | 34.389 | 8.7 | 7.58 | 1.07 | | |
| DSW40" | 06/10/91 | | 3.2 | 98 | 37 | 522 | 0.24 | 3.4 | 87 | 2429 | 3.4 | 104 | 38 | 534 | 0.70 | | 2.37 | 34.401 | 8.4 | 7.55 | 1.02 | | |
| DSW40" | 06/17/91 | | 3.2 | 99 | 42 | 588 | 0.12 | 1.7 | 85 | 2382 | 3.4 | 106 | 44 | 609 | 0.80 | | 2.37 | 34.369 | 8.9 | 7.60 | 1.03 | | |
| DSW40" | 06/24/91 | | 3.3 | 102 | 43 | 601 | 0.22 | 3.1 | 85 | 2382 | 3.5 | 108 | 47 | 651 | 0.66 | | 2.38 | 34.412 | 8.2 | 7.57 | 0.67 | | |

NELHA Water Quality Laboratory

DSW 40"

Intake Depth: 674 m, Offshore Pipe Length: 1,916 m

| SITE ID | DATE MD/Y | TIME (2400) | PO ₄ ³⁻ (μ M) | (μ g P/L) | NO ₂ ⁻ & NO ₃ ⁻ (μ M) | (μ g N/L) | NH ₄ ⁺ & NH ₃ (μ M) | (μ g N/L) | Si (μ g Si/L) | TDP (μ M) | (μ g P/L) | TDN (μ M) | (μ g N/L) | TOC (mgC/L) | TSS (mg/L) | Turbidity (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL |
|---------|--------------|----------------|---|----------------|---|----------------|--|----------------|-----------------------|-------------------|----------------|-------------------|----------------|----------------|---------------|--------------------|----------------|-------------------|--------------|--------------|-------------|---------------------|---|
| DSW40" | 07/01/91 | | 3.3 | 102 | 40 | 566 | 0.21 | 2.9 | 88 | 2472 | 3.5 | 109 | 46 | 642 | 0.65 | | | 2.38 | 34.392 | 8.7 | 7.57 | 0.66 | |
| DSW40" | 07/09/91 | | 3.2 | 99 | 42 | 588 | 0.15 | 2.1 | 88 | 2477 | 3.5 | 108 | 45 | 626 | 0.69 | | | 2.39 | 34.404 | 7.8 | 7.56 | 1.06 | |
| DSW40" | 07/16/91 | | 3.4 | 104 | 42 | 592 | 0.07 | 1.0 | 84 | 2354 | 3.5 | 108 | 45 | 625 | 0.63 | | | 2.38 | 34.367 | 8.7 | 7.56 | 1.06 | |
| DSW40" | 07/22/91 | | 3.3 | 103 | 42 | 594 | 0.12 | 1.7 | 87 | 2446 | 3.7 | 116 | 45 | 630 | 0.55 | | | 2.39 | 34.409 | 8.2 | 7.57 | 1.05 | |
| DSW40" | 07/26/91 | | 3.4 | 104 | 43 | 604 | 0.15 | 2.1 | 88 | 2457 | 3.4 | 106 | 45 | 630 | 0.68 | | | 2.38 | 34.371 | 7.9 | 7.55 | 1.02 | |
| DSW40" | 08/05/91 | | 3.3 | 102 | 43 | 604 | 0.18 | 2.5 | 85 | 2382 | 3.3 | 103 | 46 | 647 | 0.55 | | | 2.38 | 34.369 | 8.8 | 7.49 | 1.02 | |
| DSW40" | 08/15/91 | | 3.3 | 101 | 43 | 597 | 0.23 | 3.2 | 88 | 2460 | 3.4 | 104 | 44 | 615 | 0.65 | | | 2.39 | 34.391 | 8.2 | 7.54 | 1.05 | |
| DSW40" | 08/21/91 | | 3.2 | 99 | 44 | 609 | 0.24 | 3.4 | 90 | 2525 | 3.6 | 112 | 46 | 637 | 0.58 | | | 2.40 | 34.453 | 7.7 | 7.56 | 1.13 | |
| DSW40" | 08/27/91 | | 3.2 | 98 | 43 | 605 | 0.15 | 2.1 | 88 | 2474 | 3.3 | 101 | 44 | 611 | 0.80 | | | 2.39 | 34.399 | 8.1 | 7.56 | 1.02 | |
| DSW40" | 09/06/91 | | 3.1 | 96 | 45 | 625 | 0.25 | 3.5 | 80 | 2252 | 3.2 | 98 | 48 | 667 | 0.69 | | | 2.39 | 34.404 | 7.7 | 7.57 | 1.08 | |
| DSW40" | 09/13/91 | | 3.1 | 95 | 42 | 587 | 0.18 | 2.5 | 87 | 2446 | 3.1 | 96 | 43 | 601 | 0.69 | | | 2.38 | 34.380 | 7.9 | 7.56 | 1.08 | |
| DSW40" | 09/18/91 | | 3.4 | 104 | 43 | 599 | 0.25 | 3.5 | 91 | 2542 | 3.5 | 107 | 44 | 616 | 0.59 | | | 2.39 | 34.436 | 7.5 | 7.59 | 1.09 | |
| DSW40" | 09/25/91 | | 3.1 | 96 | 42 | 592 | 0.15 | 2.1 | 92 | 2581 | 3.2 | 98 | 46 | 650 | 0.61 | | | 2.40 | 34.436 | 8.2 | 7.53 | 1.14 | |
| DSW40" | 10/01/91 | | 2.7 | 85 | 43 | 602 | 0.00 | 0.0 | 90 | 2539 | 3.0 | 93 | 44 | 622 | 0.69 | | | 2.40 | 34.428 | 8.5 | 7.55 | 1.14 | |
| DSW40" | 10/09/91 | | 2.9 | 90 | 42 | 591 | 0.00 | 0.0 | 91 | 2542 | 3.0 | 92 | 45 | 626 | 0.60 | | | 2.39 | 34.421 | 8.1 | 7.53 | 1.88 | |
| DSW40" | 10/25/91 | | 3.4 | 105 | 42 | 587 | 0.00 | 0.0 | 90 | 2519 | 3.4 | 106 | 44 | 619 | 1.04 | | | 2.41 | 34.427 | 7.7 | 7.57 | 1.13 | |
| DSW40" | 11/04/91 | | 3.1 | 97 | 42 | 594 | 0.00 | 0.0 | 87 | 2443 | 3.3 | 101 | 45 | 625 | 0.99 | | | 2.39 | 34.395 | 8.5 | 7.56 | 1.09 | |
| DSW40" | 11/08/91 | | 3.1 | 94 | 41 | 580 | 0.00 | 0.0 | 87 | 2449 | 3.2 | 99 | 43 | 605 | 1.04 | | | 2.39 | 34.374 | 8.4 | 7.57 | 1.10 | |
| DSW40" | 11/14/91 | | 3.1 | 94 | 42 | 588 | 0.00 | 0.0 | 86 | 2421 | 3.2 | 99 | 44 | 613 | 0.69 | | | 2.39 | 34.387 | 8.2 | 7.55 | 1.07 | |
| DSW40" | 11/22/91 | | 3.1 | 94 | 42 | 583 | 0.12 | 1.7 | 84 | 2356 | 3.2 | 98 | 43 | 602 | 0.63 | | | 2.38 | 34.372 | 7.2 | 7.55 | 1.00 | |
| DSW40" | 11/29/91 | | 3.0 | 94 | 43 | 597 | 0.25 | 3.5 | 86 | 2413 | 3.2 | 99 | 44 | 611 | 0.68 | | | 2.35 | 34.374 | 7.1 | 7.55 | 1.05 | |
| DSW40" | 12/06/91 | | 3.1 | 97 | 42 | 583 | 0.10 | 1.4 | 83 | 2340 | 3.3 | 102 | 43 | 597 | 0.64 | | | 2.37 | 34.379 | 7.3 | 7.55 | 1.07 | |
| DSW40" | 12/12/91 | | 3.0 | 93 | 41 | 580 | 0.13 | 1.8 | 86 | 2404 | 3.2 | 98 | 44 | 612 | 0.64 | | | 2.38 | 34.377 | 7.9 | 7.56 | 1.04 | |
| DSW40" | 12/19/91 | | 3.1 | 97 | 42 | 594 | 0.15 | 2.1 | 85 | 2393 | 3.2 | 100 | 45 | 626 | 0.86 | | | 2.38 | 34.392 | 7.3 | 7.55 | 1.03 | |
| DSW40" | 12/23/91 | | 3.2 | 100 | 41 | 577 | 0.00 | 0.0 | 87 | 2446 | 3.3 | 101 | 43 | 606 | 0.65 | | | 2.38 | 34.387 | 7.4 | 7.54 | 1.00 | |
| DSW40" | 01/03/92 | | 3.2 | 100 | 42 | 588 | 0.00 | 0.0 | 83 | 2331 | 3.3 | 103 | 45 | 632 | 1.46 | | | 2.35 | 34.400 | 7.6 | 7.55 | 0.89 | |
| DSW40" | 01/10/92 | | 3.1 | 96 | 41 | 580 | 0.14 | 2.0 | 84 | 2351 | 3.2 | 98 | 44 | 613 | 0.74 | | | 2.36 | 34.385 | 7.9 | 7.56 | 0.91 | |
| DSW40" | 01/16/92 | | 3.2 | 98 | 42 | 590 | 0.11 | 1.5 | 91 | 2542 | 3.2 | 100 | 44 | 622 | 0.69 | | | 2.36 | 34.440 | 7.1 | 7.57 | 1.01 | |
| DSW40" | 01/22/92 | | 3.2 | 98 | 43 | 597 | 0.06 | 0.8 | 84 | 2368 | 3.3 | 101 | 45 | 623 | 0.93 | | | 2.35 | 34.385 | 7.0 | 7.59 | 0.91 | |
| DSW40" | 01/30/92 | | 3.2 | 100 | 43 | 597 | 0.13 | 1.8 | 84 | 2348 | 3.3 | 102 | 44 | 620 | 0.77 | | | 2.36 | 34.408 | 7.9 | 7.56 | 0.96 | |
| DSW40" | 02/06/92 | | 3.2 | 98 | 42 | 590 | 0.30 | 4.2 | 84 | 2362 | 3.2 | 99 | 44 | 620 | 0.79 | | | 2.35 | 34.397 | 7.3 | 7.58 | 0.95 | |
| DSW40" | 02/14/92 | | 3.1 | 97 | 42 | 583 | 0.20 | 2.8 | 88 | 2457 | 3.2 | 100 | 44 | 615 | 0.82 | | | 2.35 | 34.411 | 7.5 | 7.56 | 0.89 | |
| DSW40" | 02/20/92 | | 3.1 | 96 | 44 | 615 | 0.08 | 1.1 | 85 | 2390 | 3.2 | 98 | 45 | 635 | 0.76 | | | 2.35 | 34.413 | 8.0 | 7.57 | 0.93 | |
| DSW40" | 02/27/92 | | 3.1 | 96 | 42 | 581 | 0.10 | 1.4 | 83 | 2320 | 3.2 | 100 | 43 | 606 | 0.77 | | | 2.35 | 34.412 | 7.5 | 7.56 | 0.91 | |
| DSW40" | 03/05/92 | | 3.1 | 95 | 43 | 605 | 0.30 | 4.2 | 83 | 2334 | 3.1 | 97 | 46 | 637 | 0.82 | | | 2.37 | 34.404 | 7.7 | 7.57 | 0.97 | |
| DSW40" | 03/12/92 | | 3.2 | 98 | 42 | 587 | 0.00 | 0.0 | 82 | 2289 | 3.2 | 100 | 43 | 602 | 0.99 | | | 2.35 | 34.395 | 8.4 | 7.55 | 0.96 | |
| DSW40" | 03/20/92 | | 3.2 | 98 | 43 | 601 | 0.04 | 0.6 | 79 | 2219 | 3.7 | 114 | 49 | 682 | 0.68 | | | 2.36 | 34.399 | 7.4 | 7.53 | 0.89 | |
| DSW40" | 03/25/92 | | 3.2 | 98 | 42 | 591 | 0.00 | 0.0 | 84 | 2345 | 3.3 | 102 | 49 | 681 | 0.81 | | | 2.36 | 34.420 | 7.8 | 7.57 | 0.95 | |
| DSW40" | 04/02/92 | | 3.3 | 101 | 42 | 590 | 0.00 | 0.0 | 84 | 2351 | 3.4 | 104 | 47 | 653 | 1.14 | | | 2.36 | 34.408 | 8.2 | 7.58 | 0.98 | |
| DSW40" | 04/09/92 | | 3.3 | 103 | 42 | 591 | 0.43 | 6.0 | 83 | 2320 | 3.4 | 105 | 44 | 617 | 1.03 | | | 2.35 | 34.401 | 8.0 | 7.57 | 0.96 | |
| DSW40" | 04/21/92 | | 3.3 | 101 | 42 | 581 | 0.47 | 6.6 | 82 | 2300 | 3.6 | 112 | 45 | 627 | 1.00 | | | 2.35 | 34.384 | 8.0 | 7.55 | 0.97 | |
| DSW40" | 04/24/92 | | 3.1 | 96 | 41 | 573 | 0.24 | 3.4 | 80 | 2247 | 3.4 | 106 | 44 | 620 | 0.86 | | | 2.35 | 34.390 | 7.9 | 7.55 | 0.94 | |
| DSW40" | 05/01/92 | | 3.2 | 99 | 41 | 577 | 0.23 | 3.2 | 82 | 2314 | 3.4 | 105 | 50 | 702 | 0.86 | | | 2.36 | 34.368 | 7.8 | 7.55 | 0.96 | |
| DSW40" | 05/07/92 | | 3.3 | 101 | 43 | 606 | 0.30 | 4.2 | 84 | 2355 | 3.5 | 109 | 47 | 658 | 1.06 | | | 2.34 | 34.412 | 7.8 | 7.56 | 0.98 | |
| DSW40" | 05/15/92 | | 3.1 | 96 | 43 | 597 | 0.27 | 3.8 | 86 | 2423 | 3.3 | 101 | 45 | 636 | 1.32 | | | 2.36 | 34.402 | 8.2 | 7.54 | 0.98 | |
| DSW40" | 05/21/92 | | 3.0 | 93 | 41 | 576 | 0.32 | 4.5 | 83 | 2337 | 3.1 | 97 | 43 | 602 | 1.27 | | | 2.36 | 34.380 | 8.5 | 7.52 | 0.95 | |
| DSW40" | 05/29/92 | | 2.9 | 91 | 42 | 581 | 0.23 | 3.2 | 83 | 2323 | 3.1 | 95 | 44 | 616 | 1.16 | | | 2.37 | 34.393 | 7.7 | 7.54 | 0.89 | |
| DSW40" | 06/04/92 | | 3.1 | 97 | 41 | 573 | 0.00 | 0.0 | 83 | 2325 | 3.2 | 99 | 45 | 626 | 1.29 | | | 2.36 | 34.382 | 7.8 | 7.55 | 0.96 | |
| DSW40" | 06/09/92 | | 3.0 | 93 | 45 | 635 | 0.33 | 4.6 | 84 | 2345 | 3.2 | 98 | 49 | 685 | 0.66 | | | 2.36 | 34.393 | 7.5 | 7.53 | 0.95 | |
| DSW40" | 06/19/92 | | 3.0 | 92 | 42 | 590 | 0.25 | 3.5 | 83 | 2342 | 3.1 | 96 | 53 | 748 | 0.85 | | | 2.37 | 34.398 | 7.4 | 7.54 | 0.97 | |
| DSW40" | 06/25/92 | | 3.0 | 92 | 42 | 587 | 0.31 | 4.3 | 85 | 2373 | 3.0 | 94 | 45 | 626 | 0.74 | | | 2.38 | 34.427 | 7.4 | 7.54 | 0.99 | |

NELHA Water Quality Laboratory

DSW 40"

Intake Depth: 674 m, Offshore Pipe Length: 1,916 m

| SITE ID | DATE MD/Y | TIME (2400) | PO ₄ ³⁻ (µM) | (µg P/L) | NO ₂ ⁻ & NO ₃ ⁻ (µM) | (µg N/L) | NH ₄ ⁺ & NH ₃ (µM) | (µg N/L) | Si (µg Si/L) | TDP (µM) | (µg P/L) | TDN (µM) | (µg N/L) | TOC (mgC/L) | TSS (mg/L) | Turbidity (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL |
|---------|--------------|----------------|---------------------------------------|----------|---|----------|--|----------|-----------------|-------------|----------|-------------|----------|----------------|---------------|--------------------|----------------|-------------------|--------------|--------------|-------------|---------------------|---|
| DSW40" | 07/02/92 | | 3.0 | 93 | 41 | 580 | 0.26 | 3.6 | 81 | 2266 | 3.1 | 95 | 43 | 608 | 0.70 | | | 2.38 | 34.386 | 7.5 | 7.55 | 0.97 | |
| DSW40" | 07/09/92 | | 3.0 | 92 | 42 | 581 | 0.80 | 11.2 | 80 | 2247 | 3.1 | 96 | 43 | 606 | 0.70 | | | 2.37 | 34.392 | 8.0 | 7.54 | 1.01 | |
| DSW40" | 07/16/92 | | 3.0 | 93 | 41 | 574 | 0.15 | 2.1 | 82 | 2303 | 3.0 | 94 | 42 | 581 | 0.77 | | | 2.37 | 34.385 | 7.8 | 7.55 | 0.95 | |
| DSW40" | 07/23/92 | | 3.0 | 94 | 42 | 583 | 0.20 | 2.8 | 83 | 2331 | 3.1 | 97 | 44 | 619 | 0.97 | | | 2.37 | 34.399 | 8.1 | 7.55 | 0.99 | |
| DSW40" | 07/31/92 | | 3.1 | 94 | 43 | 595 | 0.00 | 0.0 | 86 | 2412 | 3.2 | 98 | 45 | 626 | 0.86 | | | 2.37 | 34.402 | 7.9 | 7.50 | 1.04 | |
| DSW40" | 08/06/92 | | 3.2 | 98 | 42 | 590 | 0.38 | 5.3 | 85 | 2396 | 3.3 | 101 | 44 | 620 | 0.79 | | | 2.38 | 34.405 | 7.8 | 7.56 | 1.06 | |
| DSW40" | 08/14/92 | | 3.1 | 95 | 42 | 587 | 0.54 | 7.6 | 86 | 2409 | 3.3 | 101 | 45 | 632 | 0.68 | | | 2.38 | 34.410 | 7.2 | 7.56 | 1.09 | |
| DSW40" | 08/20/92 | | 3.1 | 96 | 41 | 579 | 0.00 | 0.0 | 82 | 2300 | 3.2 | 99 | 47 | 664 | 0.82 | | | 2.37 | 34.373 | 7.6 | 7.56 | 1.05 | |
| DSW40" | 08/27/92 | | 3.1 | 96 | 41 | 579 | 0.29 | 4.1 | 83 | 2337 | 3.2 | 98 | 45 | 626 | 0.75 | | | 2.38 | 34.412 | 7.5 | 7.55 | 1.12 | |
| DSW40" | 09/03/92 | | 3.2 | 98 | 41 | 578 | 0.17 | 2.4 | 87 | 2443 | 3.3 | 101 | 46 | 649 | 0.68 | | | 2.37 | 34.391 | 7.5 | 7.56 | 1.09 | |
| DSW40" | 09/10/92 | | 3.2 | 98 | 42 | 588 | 0.09 | 1.3 | 86 | 2407 | 3.3 | 103 | 44 | 612 | 0.96 | | | 2.38 | 34.429 | 7.6 | 7.55 | 1.13 | |
| DSW40" | 09/17/92 | | 3.2 | 98 | 41 | 571 | 0.48 | 6.7 | 79 | 2226 | 3.3 | 102 | 49 | 681 | 0.68 | | | 2.37 | 34.362 | 7.4 | 7.55 | 1.06 | |
| DSW40" | 09/25/92 | | 3.1 | 97 | 42 | 589 | 0.08 | 1.1 | 87 | 2455 | 3.2 | 99 | 48 | 668 | 0.68 | | | 2.37 | 34.396 | 7.8 | 7.55 | 1.11 | |
| DSW40" | 10/01/92 | | 3.1 | 95 | 42 | 583 | 0.00 | 0.0 | 83 | 2342 | 3.2 | 99 | 46 | 640 | 0.69 | | | 2.38 | 34.400 | 7.9 | 7.57 | 1.06 | |
| DSW40" | 10/08/92 | | 3.1 | 97 | 42 | 591 | 0.00 | 0.0 | 87 | 2432 | 3.2 | 99 | 46 | 647 | 0.62 | | | 2.38 | 34.409 | 7.8 | 7.57 | 1.04 | |
| DSW40" | 10/16/92 | | 3.2 | 98 | 42 | 587 | 0.11 | 1.5 | 85 | 2384 | 3.2 | 100 | 47 | 658 | 0.73 | | | 2.38 | 34.399 | 7.8 | 7.56 | 1.10 | |
| DSW40" | 10/22/92 | | 3.0 | 94 | 40 | 558 | 0.37 | 5.2 | 80 | 2253 | 3.2 | 98 | 45 | 633 | 1.01 | | | 2.36 | 34.330 | 8.6 | 7.56 | 1.23 | |
| DSW40" | 10/29/92 | | 3.1 | 96 | 42 | 581 | 0.23 | 3.2 | 81 | 2286 | 3.3 | 102 | 44 | 616 | 0.75 | | | 2.37 | 34.359 | 8.0 | 7.56 | 1.12 | |
| DSW40" | 11/05/92 | | 3.1 | 97 | 42 | 584 | 0.50 | 7.0 | 90 | 2518 | 3.3 | 102 | 46 | 643 | 0.72 | | | 2.39 | 34.388 | 7.2 | 7.57 | 1.08 | |
| DSW40" | 11/12/92 | | 3.1 | 96 | 40 | 559 | 0.42 | 5.9 | 85 | 2396 | 3.2 | 100 | 45 | 634 | 0.90 | | | 2.38 | 34.347 | 8.0 | 7.57 | 1.12 | |
| DSW40" | 11/19/92 | | 3.1 | 97 | 42 | 590 | 0.46 | 6.4 | 90 | 2530 | 3.4 | 105 | 45 | 624 | 0.73 | | | 2.38 | 34.372 | 7.7 | 7.55 | 1.07 | |
| DSW40" | 11/25/92 | | 3.1 | 96 | 42 | 594 | 0.19 | 2.7 | 87 | 2436 | 3.4 | 104 | 44 | 618 | 0.75 | | | 2.37 | 34.346 | 7.3 | 7.56 | 1.06 | |
| DSW40" | 12/03/92 | | 2.9 | 89 | 38 | 531 | 0.33 | 4.7 | 72 | 2011 | 3.3 | 101 | 41 | 568 | 0.84 | | | 2.37 | 34.247 | 7.5 | 7.56 | 1.07 | |
| DSW40" | 12/10/92 | | 3.0 | 94 | 42 | 586 | 0.36 | 5.0 | 87 | 2442 | 3.3 | 102 | 44 | 623 | 0.79 | | | 2.37 | 34.351 | 8.1 | 7.56 | 1.16 | |
| DSW40" | 12/17/92 | | 3.1 | 95 | 42 | 593 | 0.43 | 6.0 | 90 | 2534 | 3.3 | 102 | 45 | 626 | 0.75 | | | 2.38 | 34.386 | 7.7 | 7.55 | 1.11 | |
| DSW40" | 12/23/92 | | 3.1 | 95 | 42 | 587 | 0.39 | 5.5 | 87 | 2431 | 3.5 | 108 | 44 | 615 | 0.73 | | | 2.38 | 34.376 | 7.6 | 7.58 | 1.16 | |
| DSW40" | 12/30/92 | | 3.1 | 96 | 42 | 589 | 0.39 | 5.5 | 84 | 2363 | 3.3 | 103 | 45 | 632 | 0.80 | | | 2.37 | 34.356 | 7.7 | 7.58 | 1.11 | |
| DSW40" | 01/07/93 | | 2.7 | 84 | 40 | 556 | 0.24 | 3.4 | 79 | 2225 | 2.9 | 88 | 42 | 590 | 0.86 | | | 2.35 | 34.369 | 10.6 | 7.65 | 2.07 | |
| DSW40" | 01/14/93 | | 3.1 | 96 | 42 | 582 | 0.48 | 6.7 | 83 | 2318 | 3.2 | 98 | 45 | 626 | 0.77 | | | 2.36 | 34.376 | 7.3 | 7.55 | 1.14 | |
| DSW40" | 01/21/93 | | 3.1 | 95 | 41 | 577 | 0.44 | 6.2 | 82 | 2311 | 3.1 | 95 | 45 | 629 | 0.80 | | | 2.35 | 34.362 | 7.9 | 7.58 | 1.19 | |
| DSW40" | 01/28/93 | | 3.1 | 95 | 42 | 588 | 0.42 | 5.9 | 84 | 2354 | 3.1 | 96 | 50 | 698 | 0.85 | | | 2.36 | 34.383 | 7.2 | 7.57 | 1.11 | |
| DSW40" | 02/03/93 | | 3.1 | 95 | 43 | 597 | 0.27 | 3.8 | 84 | 2347 | 3.1 | 96 | 44 | 619 | 0.57 | | | 2.36 | 34.378 | 7.6 | 7.57 | 1.14 | |
| DSW40" | 02/11/93 | | 3.1 | 96 | 42 | 587 | 0.10 | 1.4 | 83 | 2321 | 3.2 | 99 | 43 | 606 | 0.58 | | | 2.36 | 34.401 | 7.7 | 7.58 | 1.18 | |
| DSW40" | 02/16/93 | | 3.1 | 96 | 42 | 595 | 0.13 | 1.8 | 85 | 2384 | 3.3 | 101 | 44 | 621 | 0.64 | | | 2.36 | 34.427 | 7.8 | 7.59 | 1.16 | |
| DSW40" | 02/25/93 | | 3.1 | 94 | 42 | 584 | 0.06 | 0.8 | 82 | 2301 | 3.1 | 95 | 44 | 610 | 0.67 | | | 2.36 | 34.396 | 7.6 | 7.59 | 1.11 | |
| DSW40" | 03/03/93 | | 3.0 | 94 | 42 | 587 | 0.16 | 2.2 | 84 | 2366 | 3.1 | 94 | 45 | 632 | 0.69 | | | 2.36 | 34.412 | 7.7 | 7.60 | 1.13 | |
| DSW40" | 03/11/93 | | 2.7 | 83 | 38 | 535 | 0.16 | 2.2 | 68 | 1897 | 2.8 | 86 | 41 | 571 | 0.72 | | | 2.33 | 34.294 | 10.0 | 7.63 | 6.06 | |
| DSW40" | 03/18/93 | | 3.1 | 95 | 42 | 588 | 0.21 | 2.9 | 85 | 2395 | 3.2 | 98 | 45 | 626 | 0.70 | | | 2.35 | 34.420 | 7.0 | 7.59 | 1.12 | |
| DSW40" | 03/24/93 | | 3.1 | 95 | 42 | 591 | 0.15 | 2.1 | 83 | 2324 | 3.1 | 97 | 46 | 642 | 0.67 | | | 2.35 | 34.409 | 6.9 | 7.60 | 1.12 | |
| DSW40" | 04/01/93 | | 3.0 | 94 | 41 | 580 | 0.14 | 2.0 | 82 | 2289 | 3.1 | 95 | 46 | 647 | 0.68 | | | 2.36 | 34.385 | 7.8 | 7.59 | 1.12 | |
| DSW40" | 04/07/93 | | 3.1 | 94 | 41 | 574 | 0.13 | 1.8 | 82 | 2291 | 3.1 | 96 | 47 | 655 | 0.59 | | | 2.35 | 34.374 | 7.7 | 7.61 | 1.15 | |
| DSW40" | 04/15/93 | | 3.1 | 95 | 42 | 586 | 0.22 | 3.1 | 83 | 2318 | 3.2 | 98 | 45 | 632 | 0.72 | | | 2.35 | 34.376 | 8.3 | 7.60 | 1.24 | |
| DSW40" | 04/22/93 | | 3.0 | 94 | 41 | 579 | 0.27 | 3.8 | 76 | 2147 | 3.1 | 96 | 44 | 621 | 0.69 | | | 2.35 | 34.358 | 8.1 | 7.58 | 1.20 | |
| DSW40" | 04/29/93 | | 3.0 | 94 | 37 | 523 | 0.36 | 5.0 | 81 | 2265 | 3.1 | 96 | 45 | 626 | 0.66 | | | 2.35 | 34.360 | 8.3 | 7.58 | 1.15 | |
| DSW40" | 05/06/93 | | 3.1 | 95 | 41 | 579 | 0.39 | 5.5 | 85 | 2400 | 3.1 | 96 | 46 | 639 | 0.68 | | | 2.36 | 34.382 | 7.8 | 7.59 | 1.17 | |
| DSW40" | 05/13/93 | | 3.0 | 92 | 41 | 578 | 0.41 | 5.7 | 80 | 2255 | 3.0 | 94 | 49 | 682 | 0.64 | | | 2.36 | 34.372 | 8.0 | 7.59 | 1.16 | |
| DSW40" | 05/18/93 | | 3.1 | 97 | 42 | 585 | 0.45 | 6.3 | 86 | 2418 | 3.2 | 98 | 44 | 617 | 0.70 | | | 2.36 | 34.390 | 7.7 | 7.58 | 1.11 | |
| DSW40" | 05/27/93 | | 3.1 | 95 | 41 | 574 | 0.43 | 6.0 | 81 | 2272 | 3.2 | 98 | 45 | 635 | 0.74 | | | 2.35 | 34.348 | 8.4 | 7.58 | 1.17 | |
| DSW40" | 06/01/93 | | 3.1 | 95 | 41 | 579 | 0.42 | 5.9 | 86 | 2402 | 3.1 | 97 | 47 | 665 | 0.65 | | | 2.36 | 34.391 | 7.9 | 7.58 | 1.15 | |
| DSW40" | 06/08/93 | | 3.0 | 93 | 41 | 574 | 0.19 | 2.7 | 83 | 2331 | 3.1 | 95 | 43 | 601 | 0.66 | | | 2.35 | 34.366 | 8.2 | 7.58 | 1.13 | |
| DSW40" | 06/16/93 | | 3.0 | 94 | 41 | 574 | 0.25 | 3.5 | 79 | 2228 | 3.1 | 95 | 43 | 596 | 0.65 | | | 2.35 | 34.361 | 8.2 | 7.58 | 1.15 | |
| DSW40" | 06/24/93 | | 2.9 | 89 | 39 | 550 | 0.21 | 2.9 | 72 | 2032 | 2.9 | 91 | 41 | 577 | 0.65 | | | 2.34 | 34.300 | 9.9 | 7.59 | 1.26 | |
| DSW40" | 06/30/93 | | 3.0 | 91 | 40 | 560 | 0.31 | 4.3 | 75 | 2111 | 3.1 | 94 | 44 | 620 | 0.69 | | | 2.34 | 34.317 | 9.8 | 7.57 | 1.21 | |

NELHA Water Quality Laboratory

DSW 40"

Intake Depth: 674 m, Offshore Pipe Length: 1,916 m

| SITE ID | DATE MD/Y | TIME (2400) | PO ₄ ³⁻ (µM) | (µg P/L) | NO ₂ ⁻ & NO ₃ ⁻ (µM) | (µg N/L) | NH ₄ ⁺ & NH ₃ (µM) | (µg N/L) | Si (µg Si/L) | TDP (µg P/L) | (µM) | TDN (µg N/L) | TOC (mgC/L) | TSS (mg/L) | Turbidity (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL | |
|---------|--------------|----------------|---------------------------------------|----------|---|----------|--|----------|-----------------|-----------------|------|-----------------|----------------|---------------|--------------------|----------------|-------------------|--------------|--------------|-------------|---------------------|---|--|
| DSW40" | 07/06/93 | | 3.1 | 95 | 42 | 583 | 0.25 | 3.5 | 81 | 2261 | 3.1 | 96 | 46 | 643 | 0.65 | | | 2.37 | 34.372 | 8.4 | 7.58 | 1.15 | |
| DSW40" | 07/12/93 | | 3.1 | 96 | 42 | 582 | 0.37 | 5.2 | 82 | 2303 | 3.1 | 97 | 46 | 646 | 0.71 | | | 2.37 | 34.380 | 8.3 | 7.58 | 1.13 | |
| DSW40" | 07/19/93 | | 3.0 | 94 | 41 | 577 | 0.14 | 2.0 | 81 | 2270 | 3.1 | 96 | 44 | 615 | 0.65 | | | 2.37 | 34.362 | 8.4 | 7.60 | 1.16 | |
| DSW40" | 07/30/93 | | 2.9 | 91 | 39 | 549 | 0.19 | 2.7 | 72 | 2008 | 3.0 | 94 | 42 | 582 | 0.70 | | | 2.36 | 34.305 | 9.6 | 7.57 | 1.23 | |
| DSW40" | 08/04/93 | | 3.0 | 93 | 41 | 579 | 0.21 | 2.9 | 82 | 2297 | 3.1 | 95 | 43 | 607 | 0.71 | | | 2.39 | 34.388 | 8.8 | 7.56 | 1.13 | |
| DSW40" | 08/10/93 | | 2.9 | 90 | 42 | 588 | 0.18 | 2.5 | 84 | 2361 | 3.1 | 97 | 44 | 611 | 0.71 | | | 2.40 | 34.410 | 8.1 | 7.56 | 1.12 | |
| DSW40" | 08/16/93 | | 3.0 | 94 | 41 | 573 | 0.31 | 4.3 | 71 | 2002 | 3.1 | 95 | 42 | 595 | 0.70 | | | 2.39 | 34.376 | 8.6 | 7.56 | 1.06 | |
| DSW40" | 08/25/93 | | 3.1 | 95 | 42 | 581 | 0.19 | 2.7 | 83 | 2318 | 3.1 | 96 | 47 | 654 | 0.72 | | | 2.39 | 34.395 | 9.1 | 7.58 | 1.16 | |
| DSW40" | 09/02/93 | | 3.1 | 94 | 41 | 574 | 0.28 | 3.9 | 79 | 2231 | 3.2 | 99 | 49 | 689 | 0.68 | | | 2.39 | 34.380 | 8.5 | 7.57 | 1.07 | |
| DSW40" | 09/09/93 | | 3.0 | 94 | 41 | 573 | 0.28 | 3.9 | 77 | 2151 | 3.2 | 99 | 53 | 737 | 0.70 | | | 2.38 | 34.379 | 8.7 | 7.56 | 1.15 | |
| DSW40" | 09/14/93 | | 3.0 | 94 | 41 | 571 | 0.16 | 2.2 | 77 | 2157 | 3.1 | 97 | 54 | 762 | 0.71 | | | 2.37 | 34.363 | 9.0 | 7.58 | 1.15 | |
| DSW40" | 09/21/93 | | 3.1 | 96 | 41 | 575 | 0.22 | 3.1 | 82 | 2313 | 3.2 | 98 | 45 | 625 | 0.69 | | | 2.38 | 34.401 | 8.6 | 7.56 | 1.15 | |
| DSW40" | 09/28/93 | | 3.0 | 94 | 41 | 574 | 0.13 | 1.8 | 78 | 2199 | 3.0 | 94 | 44 | 612 | 0.67 | | | 2.38 | 34.389 | 8.8 | 7.56 | 1.13 | |
| DSW40" | 10/07/93 | | 3.0 | 93 | 42 | 582 | 0.17 | 2.4 | 73 | 2056 | 3.0 | 93 | 45 | 630 | 0.63 | | | 2.33 | 34.411 | 8.8 | 7.56 | 1.15 | |
| DSW40" | 10/12/93 | | 3.1 | 95 | 41 | 578 | 0.15 | 2.1 | 81 | 2286 | 3.0 | 94 | 46 | 648 | 0.58 | | | 2.32 | 34.403 | 8.4 | 7.57 | 1.15 | |
| DSW40" | 10/19/93 | | 3.0 | 94 | 41 | 580 | 0.11 | 1.5 | 81 | 2287 | 3.1 | 95 | 46 | 638 | 0.59 | | | 2.33 | 34.414 | 8.0 | 7.58 | 1.14 | |
| DSW40" | 10/28/93 | | 3.0 | 94 | 41 | 571 | 0.25 | 3.5 | 78 | 2186 | 3.1 | 95 | 43 | 607 | 0.63 | | | 2.32 | 34.372 | 8.0 | 7.57 | 1.14 | |
| DSW40" | 11/02/93 | | 3.1 | 96 | 41 | 578 | 0.15 | 2.1 | 82 | 2313 | 3.2 | 98 | 44 | 617 | 0.62 | | | 2.33 | 34.403 | 8.3 | 7.57 | 1.13 | |
| DSW40" | 11/09/93 | | 2.9 | 90 | 40 | 567 | 0.37 | 5.2 | 80 | 2240 | 3.1 | 96 | 45 | 627 | 0.65 | | | 2.32 | 34.367 | 9.0 | 7.58 | 1.11 | |
| DSW40" | 11/16/93 | | 3.1 | 94 | 42 | 581 | 0.11 | 1.5 | 83 | 2321 | 3.1 | 96 | 45 | 630 | 0.64 | | | 2.33 | 34.403 | 8.3 | 7.58 | 1.12 | |
| DSW40" | 11/23/93 | | 3.0 | 94 | 40 | 567 | 0.18 | 2.5 | 80 | 2247 | 3.1 | 96 | 44 | 620 | 0.67 | | | 2.32 | 34.388 | 15.3 | 7.56 | 1.03 | |
| DSW40" | 12/01/93 | | 3.0 | 94 | 41 | 576 | 0.09 | 1.3 | 81 | 2280 | 3.1 | 95 | 44 | 615 | 0.63 | | | 2.33 | 34.394 | 8.2 | 7.58 | 1.14 | |
| DSW40" | 12/09/93 | | 3.1 | 97 | 41 | 574 | 0.02 | 0.3 | 80 | 2258 | 3.3 | 101 | 44 | 619 | 0.76 | | | 2.32 | 34.386 | 8.2 | 7.58 | 1.09 | |
| DSW40" | 12/14/93 | | 3.1 | 95 | 40 | 566 | 0.01 | 0.1 | 78 | 2196 | 3.2 | 98 | 44 | 609 | 0.75 | | | 2.31 | 34.377 | 8.8 | 7.59 | 1.11 | |
| DSW40" | 12/20/93 | | 3.0 | 93 | 41 | 572 | 0.16 | 2.2 | 83 | 2341 | 3.1 | 96 | 44 | 621 | 0.65 | | | 2.33 | 34.398 | 8.7 | 7.58 | 1.21 | |
| DSW40" | 12/28/93 | | 3.1 | 94 | 41 | 577 | 0.33 | 4.6 | 84 | 2356 | 3.1 | 96 | 46 | 645 | 0.70 | | | 2.33 | 34.401 | 7.1 | 7.59 | 1.17 | |
| DSW40" | 01/06/94 | | 3.1 | 96 | 41 | 579 | 0.35 | 4.9 | 84 | 2365 | 3.1 | 97 | 44 | 623 | 0.81 | | | 2.37 | 34.399 | 8.4 | 7.58 | 1.21 | |
| DSW40" | 01/12/94 | | 3.1 | 97 | 41 | 579 | 0.14 | 2.0 | 85 | 2388 | 3.0 | 94 | 44 | 622 | 0.79 | | | 2.37 | 34.399 | 8.5 | 7.59 | 1.25 | |
| DSW40" | 01/18/94 | | 3.1 | 95 | 11 | 150 | 0.05 | 0.7 | 81 | 2264 | 3.1 | 97 | 44 | 619 | 0.85 | | | 2.37 | 34.370 | 7.8 | 7.59 | 1.17 | |
| DSW40" | 01/26/94 | | 3.0 | 92 | 41 | 575 | 0.04 | 0.6 | 83 | 2345 | 3.1 | 97 | 46 | 641 | 0.74 | | | 2.37 | 34.396 | 7.5 | 7.58 | 1.16 | |
| DSW40" | 02/02/94 | | 3.1 | 95 | 41 | 575 | 0.12 | 1.7 | 86 | 2415 | 3.1 | 95 | 48 | 672 | 0.65 | | | 2.37 | 34.400 | 7.9 | 7.60 | 1.22 | |
| DSW40" | 02/09/94 | | 3.1 | 95 | 42 | 585 | 0.28 | 3.9 | 86 | 2403 | 3.1 | 96 | 47 | 665 | 0.69 | | | 2.37 | 34.391 | 8.9 | 7.60 | 1.19 | |
| DSW40" | 02/15/94 | | 3.1 | 97 | 41 | 576 | 0.17 | 2.4 | 86 | 2407 | 3.2 | 98 | 51 | 717 | 0.64 | | | 2.37 | 34.392 | 7.6 | 7.58 | 1.20 | |
| DSW40" | 02/24/94 | | 3.1 | 94 | 40 | 556 | 0.14 | 2.0 | 81 | 2284 | 3.1 | 95 | 48 | 665 | 0.69 | | | 2.36 | 34.353 | 8.7 | 7.59 | 1.24 | |
| DSW40" | 03/02/94 | | 3.0 | 94 | 41 | 578 | 0.08 | 1.1 | 80 | 2249 | 3.1 | 97 | 49 | 686 | 0.86 | | | 2.37 | 34.382 | 7.8 | 7.59 | 1.20 | |
| DSW40" | 03/09/94 | | 3.1 | 96 | 41 | 568 | 0.25 | 3.5 | 87 | 2452 | 3.1 | 97 | 45 | 625 | 0.78 | | | 2.37 | 34.409 | 8.9 | 7.60 | 1.26 | |
| DSW40" | 03/17/94 | | 3.0 | 94 | 40 | 565 | 0.10 | 1.4 | 81 | 2265 | 3.1 | 97 | 44 | 617 | 0.56 | | | 2.36 | 34.350 | 8.2 | 7.57 | 1.20 | |
| DSW40" | 03/22/94 | | 3.0 | 94 | 41 | 575 | 0.02 | 0.3 | 84 | 2372 | 3.1 | 95 | 46 | 641 | 0.59 | | | 2.37 | 34.393 | 7.9 | 7.58 | 1.11 | |
| DSW40" | 03/29/94 | | 3.0 | 94 | 41 | 569 | 0.05 | 0.7 | 79 | 2225 | 3.0 | 94 | 45 | 624 | 0.58 | | | 2.36 | 34.343 | 8.5 | 7.96 | 1.20 | |
| DSW40" | 04/05/94 | | 3.1 | 95 | 41 | 578 | 0.09 | 1.3 | 88 | 2459 | 3.2 | 98 | 46 | 638 | 0.60 | | | 2.37 | 34.405 | 8.0 | 7.58 | 1.22 | |
| DSW40" | 04/14/94 | | 3.1 | 96 | 41 | 577 | 0.10 | 1.4 | 86 | 2407 | 3.2 | 99 | 45 | 629 | 0.70 | | | 2.37 | 34.411 | 7.9 | 7.59 | 1.14 | |
| DSW40" | 05/12/94 | | 3.1 | 97 | 42 | 582 | 0.02 | 0.3 | 85 | 2388 | 3.2 | 99 | 45 | 624 | 0.73 | | | 2.37 | 34.405 | 8.4 | 7.59 | 1.13 | |
| DSW40" | 05/17/94 | | 3.0 | 94 | 41 | 575 | 0.06 | 0.8 | 86 | 2425 | 3.1 | 96 | 43 | 608 | 0.65 | | | 2.37 | 34.406 | 8.6 | 7.59 | 1.17 | |
| DSW40" | 05/25/94 | | 3.1 | 95 | 41 | 570 | 0.09 | 1.3 | 82 | 2293 | 3.1 | 95 | 47 | 655 | 0.64 | | | 2.36 | 34.361 | 8.2 | 7.57 | 1.17 | |
| DSW40" | 06/01/94 | | 3.1 | 95 | 41 | 579 | 0.04 | 0.6 | 86 | 2414 | 3.1 | 97 | 51 | 714 | 0.58 | | | 2.37 | 34.403 | 8.5 | 7.58 | 1.15 | |
| DSW40" | 06/07/94 | | 3.0 | 93 | 40 | 554 | 0.06 | 0.8 | 77 | 2149 | 3.0 | 93 | 43 | 604 | 0.63 | | | 2.35 | 34.343 | 9.7 | 7.60 | 1.30 | |
| DSW40" | 06/16/94 | | 3.0 | 93 | 41 | 572 | 0.01 | 0.1 | 84 | 2364 | 3.1 | 95 | 51 | 710 | 0.60 | | | 2.37 | 34.385 | 9.1 | 7.58 | 1.10 | |
| DSW40" | 06/23/94 | | 3.0 | 94 | 41 | 579 | 0.15 | 2.1 | 86 | 2409 | 3.1 | 95 | 44 | 620 | 0.65 | | | 2.37 | 34.388 | 9.0 | 7.56 | 1.26 | |
| DSW40" | 06/29/94 | | 3.0 | 94 | 41 | 572 | 0.22 | 3.1 | 87 | 2440 | 3.1 | 95 | 44 | 622 | 0.67 | | | 2.36 | 34.374 | 9.2 | 7.56 | 1.24 | |

NELHA Water Quality Laboratory

DSW 40"

Intake Depth: 674 m, Offshore Pipe Length: 1,916 m

| SITE ID | DATE MD/Y | TIME (2400) | PO ₄ ³⁻ (µM) | (µg P/L) | NO ₃ ⁻ & NO ₂ ⁻ (µM) | (µg N/L) | NH ₄ ⁺ & NH ₃ (µM) | (µg N/L) | Si (µg Si/L) | TDP (µg P/L) | TDN (µM) | (µg N/L) | TOC (mgC/L) | TSS (mg/L) | Turbidity (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL |
|---------|--------------|----------------|---------------------------------------|----------|---|----------|--|----------|-----------------|-----------------|-------------|----------|----------------|---------------|--------------------|----------------|-------------------|--------------|--------------|-------------|---------------------|---|
| DSW40" | 07/05/94 | | 3.1 | 94 | 41 | 573 | 0.10 | 1.4 | 80 | 2249 | 3.1 | 95 | 44 | 623 | 0.65 | | | 2.36 | 34.361 | 9.7 | 7.56 | 1.29 |
| DSW40" | 07/12/94 | | 3.0 | 94 | 41 | 569 | 0.20 | 2.8 | 85 | 2400 | 3.1 | 97 | 44 | 615 | 0.61 | | | 2.36 | 34.364 | 9.9 | 7.58 | 1.25 |
| DSW40" | 07/19/94 | | 3.1 | 95 | 41 | 580 | 0.20 | 2.8 | 89 | 2505 | 3.1 | 97 | 47 | 654 | 0.65 | | | 2.38 | 34.406 | 9.1 | 7.57 | 1.24 |
| DSW40" | 07/27/94 | | 3.0 | 94 | 40 | 556 | 0.20 | 2.8 | 84 | 2370 | 3.2 | 98 | 45 | 625 | 0.64 | | | 2.37 | 34.384 | 8.5 | 7.55 | 1.17 |
| DSW40" | 08/01/94 | | 3.1 | 95 | 42 | 582 | 0.02 | 0.3 | 86 | 2406 | 3.1 | 96 | 44 | 618 | 0.62 | | | 2.37 | 34.398 | 8.4 | 7.57 | 1.19 |
| DSW40" | 08/10/94 | | 3.1 | 94 | 41 | 574 | 0.21 | 2.9 | 84 | 2356 | 3.1 | 95 | 45 | 624 | 0.70 | | | 2.37 | 34.383 | 7.8 | 7.57 | 1.16 |
| DSW40" | 08/16/94 | | 3.0 | 94 | 41 | 574 | 0.07 | 1.0 | 85 | 2395 | 3.1 | 95 | 45 | 626 | 0.65 | | | 2.37 | 34.390 | 8.7 | 7.56 | 1.21 |
| DSW40" | 08/25/94 | | 3.0 | 93 | 40 | 566 | 0.00 | 0.0 | 87 | 2447 | 3.2 | 99 | 48 | 671 | 0.69 | | | 2.37 | 34.364 | 8.5 | 7.57 | 1.22 |
| DSW40" | 08/30/94 | | 3.1 | 95 | 41 | 579 | 0.09 | 1.3 | 87 | 2445 | 3.1 | 95 | 45 | 626 | 0.69 | | | 2.37 | 34.375 | 8.5 | 7.57 | 1.22 |
| DSW40" | 09/07/94 | | 3.1 | 96 | 42 | 582 | 0.20 | 2.8 | 89 | 2491 | 3.2 | 100 | 46 | 640 | 0.65 | | | 2.37 | 34.386 | 8.7 | 7.57 | 1.14 |
| DSW40" | 09/12/94 | | 3.1 | 95 | 41 | 580 | 0.17 | 2.4 | 89 | 2491 | 3.2 | 98 | 47 | 652 | 0.65 | | | 2.38 | 34.423 | 8.8 | 7.57 | 1.20 |
| DSW40" | 09/20/94 | | 3.1 | 95 | 41 | 574 | 0.04 | 0.6 | 85 | 2401 | 3.1 | 96 | 48 | 670 | 0.68 | | | 2.37 | 34.371 | 9.9 | 7.58 | 1.14 |
| DSW40" | 09/26/94 | | 3.1 | 97 | 40 | 566 | 0.01 | 0.1 | 85 | 2399 | 3.2 | 99 | 53 | 737 | 0.68 | 0.04 | | 2.37 | 34.363 | 9.2 | 7.56 | 1.15 |
| DSW40" | 10/03/94 | | 3.1 | 96 | 41 | 570 | 0.07 | 1.0 | 87 | 2447 | 3.1 | 95 | 44 | 620 | 0.61 | 0.01 | | 2.36 | 34.392 | 8.6 | 7.58 | 1.22 |
| DSW40" | 10/11/94 | | 3.1 | 96 | 41 | 576 | 0.14 | 2.0 | 87 | 2454 | 3.2 | 98 | 36 | 498 | 0.53 | 0.00 | | 2.36 | 34.402 | 8.9 | 7.59 | 1.21 |
| DSW40" | 10/20/94 | | 2.9 | 91 | 41 | 571 | 0.08 | 1.1 | 85 | 2373 | 3.0 | 94 | 30 | 415 | 0.45 | 0.00 | | 2.36 | 34.356 | 9.3 | 7.58 | 1.16 |
| DSW40" | 10/27/94 | | 3.0 | 94 | 40 | 557 | 0.56 | 7.8 | 106 | 2991 | 3.1 | 96 | 45 | 634 | 0.65 | 0.12 | | 2.37 | 34.390 | 8.0 | 7.58 | 1.16 |
| DSW40" | 11/03/94 | | 3.1 | 96 | 40 | 554 | 0.56 | 7.8 | 81 | 2273 | 3.2 | 98 | 45 | 628 | 0.69 | 0.09 | | 2.36 | 34.365 | 10.2 | 7.58 | 1.18 |
| DSW40" | 11/09/94 | | 3.1 | 96 | 41 | 576 | 0.56 | 7.8 | 85 | 2391 | 3.1 | 96 | 45 | 626 | 0.63 | 0.12 | | 2.37 | 34.388 | 11.5 | 7.59 | 1.21 |
| DSW40" | 11/17/94 | | 3.1 | 95 | 42 | 582 | 0.56 | 7.8 | 88 | 2470 | 3.1 | 96 | 45 | 630 | 0.79 | 0.07 | | 2.37 | 34.394 | 9.1 | 7.56 | 1.16 |
| DSW40" | 11/23/94 | | 3.1 | 96 | 41 | 576 | 0.56 | 7.8 | 84 | 2372 | 3.1 | 97 | 46 | 641 | 0.71 | 0.00 | | 2.37 | 34.379 | 9.6 | 7.59 | 1.18 |
| DSW40" | 11/29/94 | | 3.0 | 94 | 41 | 578 | 0.56 | 7.8 | 88 | 2462 | 3.1 | 96 | 45 | 633 | 0.63 | 0.03 | | 2.38 | 34.393 | 9.2 | 7.57 | 1.23 |
| DSW40" | 12/07/94 | | 3.1 | 97 | 41 | 573 | 0.56 | 7.8 | 85 | 2390 | 3.2 | 98 | 45 | 626 | 0.66 | 0.12 | | 2.37 | 34.367 | 9.4 | 7.55 | 1.16 |
| DSW40" | 12/12/94 | | 3.1 | 95 | 41 | 575 | 0.30 | 4.2 | 86 | 2414 | 3.2 | 98 | 46 | 638 | 0.66 | 0.05 | | 2.36 | 34.370 | 10.1 | 7.56 | 1.24 |
| DSW40" | 12/20/94 | | 3.1 | 97 | 42 | 584 | 0.03 | 0.4 | 87 | 2450 | 3.4 | 104 | 47 | 657 | 0.69 | 0.04 | | 2.36 | 34.381 | 7.2 | 7.59 | 1.13 |
| DSW40" | 12/27/94 | | 3.2 | 98 | 42 | 588 | 0.04 | 0.6 | 88 | 2470 | 3.3 | 101 | 46 | 645 | 0.64 | 0.18 | | 2.40 | 34.400 | 7.9 | 7.58 | 1.19 |
| DSW40" | 01/03/95 | | 3.1 | 96 | 42 | 592 | 0.01 | 0.1 | 87 | 2449 | 3.2 | 98 | 42 | 589 | 0.55 | 0.04 | | 2.33 | 34.396 | 7.5 | 7.59 | 1.08 |
| DSW40" | 01/10/95 | | 3.2 | 98 | 42 | 586 | 0.03 | 0.4 | 87 | 2435 | 3.2 | 100 | 45 | 630 | 0.62 | 0.00 | | 2.34 | 34.376 | 7.7 | 7.58 | 1.22 |
| DSW40" | 01/19/95 | | 3.1 | 95 | 41 | 580 | 0.22 | 3.1 | 88 | 2464 | 3.1 | 96 | 45 | 632 | 0.59 | 0.04 | | 2.32 | 34.382 | 8.4 | 7.60 | 1.23 |
| DSW40" | 01/26/95 | | 3.1 | 97 | 42 | 588 | 0.01 | 0.1 | 88 | 2473 | 3.2 | 98 | 47 | 655 | 0.65 | 0.19 | | 2.33 | 34.408 | 7.4 | 7.57 | 1.22 |
| DSW40" | 01/31/95 | | 3.0 | 93 | 40 | 563 | 0.17 | 2.4 | 83 | 2319 | 3.0 | 94 | 43 | 607 | 0.64 | 0.05 | | 2.32 | 34.376 | 8.7 | 7.60 | 1.45 |
| DSW40" | 02/10/95 | | 3.2 | 98 | 42 | 583 | 0.04 | 0.6 | 90 | 2514 | 3.2 | 99 | 47 | 656 | 0.70 | 0.27 | | 2.33 | 34.419 | 8.1 | 7.57 | 1.20 |
| DSW40" | 02/16/95 | | 3.0 | 94 | 42 | 591 | 0.20 | 2.8 | 84 | 2348 | 3.1 | 96 | 45 | 626 | 0.69 | 0.00 | | 2.33 | 34.367 | 7.4 | 7.58 | 1.08 |
| DSW40" | 02/24/95 | | 3.1 | 97 | 42 | 592 | 0.19 | 2.7 | 89 | 2495 | 3.2 | 98 | 45 | 632 | 0.65 | 0.01 | | 2.33 | 34.415 | 7.6 | 7.58 | 1.08 |
| DSW40" | 03/01/95 | | 3.1 | 96 | 41 | 575 | 0.32 | 4.5 | 89 | 2502 | 3.1 | 96 | 46 | 642 | 0.73 | 0.03 | | 2.33 | 34.368 | 7.8 | 7.56 | 1.07 |
| DSW40" | 03/07/95 | | 3.1 | 97 | 41 | 580 | 0.35 | 4.9 | 84 | 2366 | 3.2 | 98 | 43 | 597 | 0.67 | 0.02 | | 2.33 | 34.365 | 13.5 | 7.55 | 1.04 |
| DSW40" | 03/16/95 | | 3.2 | 98 | 42 | 588 | 0.08 | 1.1 | 86 | 2403 | 3.2 | 100 | 45 | 631 | 0.62 | 0.04 | | 2.33 | 34.370 | 14.4 | 7.57 | 1.01 |
| DSW40" | 03/23/95 | | 3.2 | 98 | 42 | 581 | 0.38 | 5.3 | 85 | 2395 | 3.2 | 98 | 43 | 599 | 0.59 | 0.02 | | 2.33 | 34.364 | 8.6 | 7.57 | 1.04 |
| DSW40" | 03/28/95 | | 3.1 | 97 | 41 | 581 | 0.26 | 3.6 | 88 | 2470 | 3.2 | 98 | 44 | 618 | 0.66 | 0.00 | | 2.34 | 34.370 | 8.6 | 7.58 | 1.07 |
| DSW40" | 04/06/95 | | 3.1 | 96 | 42 | 591 | 0.38 | 5.3 | 89 | 2500 | 3.2 | 99 | 47 | 661 | 0.69 | 0.05 | | 2.35 | 34.385 | 8.4 | 7.55 | 1.11 |
| DSW40" | 04/13/95 | | 3.0 | 94 | 42 | 582 | 0.33 | 4.6 | 86 | 2426 | 3.1 | 96 | 47 | 665 | 0.68 | 0.01 | | 2.34 | 34.374 | 11.1 | 7.57 | 1.20 |
| DSW40" | 04/20/95 | | 3.1 | 97 | 42 | 591 | 0.19 | 2.7 | 87 | 2444 | 3.1 | 97 | 43 | 608 | 0.75 | 0.07 | | 2.41 | 34.382 | 9.8 | 7.57 | 1.15 |
| DSW40" | 04/27/95 | | 3.0 | 94 | 41 | 573 | 0.20 | 2.8 | 78 | 2187 | 3.1 | 94 | 46 | 648 | 0.74 | 0.01 | | 2.40 | 34.334 | 10.8 | 7.57 | 1.23 |
| DSW40" | 05/04/95 | | 3.1 | 94 | 42 | 594 | 0.18 | 2.5 | 87 | 2441 | 3.2 | 98 | 47 | 652 | 0.73 | 0.00 | | 2.41 | 34.380 | 9.6 | 7.57 | 1.16 |
| DSW40" | 05/12/95 | | 3.2 | 98 | 42 | 585 | 0.26 | 3.6 | 87 | 2443 | 3.2 | 99 | 46 | 647 | 0.69 | 0.22 | | 2.41 | 34.371 | 11.1 | 7.54 | 1.18 |
| DSW40" | 05/16/95 | | 3.1 | 96 | 42 | 588 | 0.26 | 3.6 | 86 | 2427 | 3.2 | 98 | 46 | 641 | 0.74 | 0.02 | | 2.40 | 34.361 | 11.2 | 7.53 | 1.18 |
| DSW40" | 05/25/95 | | 3.2 | 98 | 42 | 592 | 0.24 | 3.4 | 86 | 2425 | 3.2 | 98 | 45 | 625 | 0.73 | 0.01 | | 2.41 | 34.393 | 8.9 | 7.53 | 1.19 |
| DSW40" | 06/01/95 | | 3.2 | 98 | 42 | 588 | 0.21 | 2.9 | 84 | 2369 | 3.2 | 98 | 46 | 647 | 0.79 | 0.02 | | 2.41 | 34.384 | 10.2 | 7.53 | 1.18 |
| DSW40" | 06/08/95 | | 3.2 | 98 | 42 | 588 | 0.20 | 2.8 | 84 | 2362 | 3.2 | 98 | 46 | 642 | 0.73 | 0.01 | | 2.41 | 34.384 | 8.9 | 7.56 | 1.21 |
| DSW40" | 06/15/95 | | 3.1 | 97 | 42 | 586 | 0.25 | 3.5 | 83 | 2337 | 3.2 | 98 | 45 | 637 | 0.76 | 0.02 | | 2.41 | 34.379 | 9.2 | 7.55 | 1.23 |
| DSW40" | 06/22/95 | | 3.1 | 97 | 42 | 591 | 0.35 | 4.9 | 88 | 2481 | 3.2 | 98 | 46 | 641 | 0.68 | 0.12 | | 2.42 | 34.418 | 9.7 | 7.53 | 1.12 |
| DSW40" | 06/30/95 | | 3.1 | 95 | 42 | 585 | 0.47 | 6.6 | 83 | 2342 | 3.1 | 97 | 46 | 638 | 0.67 | 0.02 | | 2.42 | 34.391 | 9.6 | 7.56 | 1.05 |

NELHA Water Quality Laboratory

DSW 40"

Intake Depth: 674 m, Offshore Pipe Length: 1,916 m

| SITE ID | DATE MD/Y | TIME (2400) | PO ₄ ³⁻ (μ M) | (μ g P/L) | NO ₃ ⁻ & NO ₂ ⁻ (μ M) | (μ g N/L) | NH ₄ ⁺ & NH ₃ (μ M) | (μ g N/L) | Si (μ g Si/L) | TDP (μ M) | (μ g P/L) | TDN (μ M) | (μ g N/L) | TOC (mgC/L) | TSS (mg/L) | Turbidity (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL |
|---------|--------------|----------------|---|----------------|---|----------------|--|----------------|-----------------------|-------------------|----------------|-------------------|----------------|----------------|---------------|--------------------|----------------|-------------------|--------------|--------------|-------------|---------------------|---|
| DSW40" | 07/05/95 | | 3.1 | 96 | 42 | 584 | 0.02 | 0.3 | 83 | 2326 | 3.2 | 100 | 44 | 617 | 0.62 | 0.08 | | 2.42 | 34.379 | 9.9 | 7.57 | 1.13 | |
| DSW40" | 07/12/95 | | 3.0 | 93 | 41 | 569 | 0.09 | 1.3 | 83 | 2325 | 3.1 | 96 | 44 | 618 | 0.58 | 0.10 | | 2.41 | 34.363 | 11.2 | 7.56 | 1.14 | |
| DSW40" | 07/19/95 | | 3.0 | 93 | 41 | 572 | 0.01 | 0.1 | 84 | 2366 | 3.1 | 95 | 44 | 617 | 0.64 | 0.15 | | 2.41 | 34.376 | 8.4 | 7.58 | 1.13 | |
| DSW40" | 07/27/95 | | 3.0 | 94 | 41 | 575 | 0.04 | 0.6 | 83 | 2327 | 3.1 | 95 | 45 | 628 | 0.63 | 0.00 | | 2.43 | 34.371 | 8.5 | 7.56 | 1.10 | |
| DSW40" | 08/02/95 | | 3.1 | 97 | 41 | 575 | 0.36 | 5.0 | 88 | 2458 | 3.1 | 97 | 45 | 626 | 0.55 | 0.17 | | 2.44 | 34.402 | 8.2 | 7.58 | 1.08 | |
| DSW40" | 08/10/95 | | 3.0 | 93 | 41 | 578 | 0.31 | 4.3 | 85 | 2397 | 3.0 | 94 | 45 | 635 | 0.55 | 0.07 | | 2.44 | 34.395 | 8.3 | 7.57 | 1.03 | |
| DSW40" | 08/16/95 | | 3.0 | 93 | 40 | 566 | 0.39 | 5.5 | 82 | 2316 | 3.1 | 95 | 41 | 581 | 0.56 | 0.02 | | 2.45 | 34.371 | 7.6 | 7.56 | 1.05 | |
| DSW40" | 08/24/95 | | 3.0 | 94 | 42 | 585 | 0.25 | 3.5 | 82 | 2306 | 3.0 | 93 | 45 | 635 | 0.56 | 0.00 | | 2.44 | 34.387 | 7.4 | 7.58 | 0.99 | |
| DSW40" | 08/31/95 | | 3.0 | 94 | 42 | 588 | 0.20 | 2.8 | 85 | 2380 | 3.0 | 94 | 45 | 637 | 0.64 | 0.17 | | 2.44 | 34.399 | 8.2 | 7.58 | 1.03 | |
| DSW40" | 09/06/95 | | 3.1 | 95 | 42 | 582 | 0.19 | 2.7 | 85 | 2380 | 3.1 | 95 | 44 | 618 | 0.61 | 0.38 | | 2.44 | 34.384 | 8.4 | 7.57 | 1.04 | |
| DSW40" | 09/14/95 | | 3.0 | 93 | 41 | 572 | 0.31 | 4.3 | 82 | 2305 | 3.1 | 94 | 45 | 627 | 0.58 | 0.18 | | 2.45 | 34.377 | 8.4 | 7.61 | 0.98 | |
| DSW40" | 09/20/95 | | 3.0 | 94 | 41 | 576 | 0.12 | 1.7 | 82 | 2303 | 3.1 | 95 | 45 | 634 | 0.75 | 0.13 | | 2.44 | 34.372 | 8.0 | 7.67 | 0.98 | |
| DSW40" | 09/27/95 | | 3.0 | 93 | 41 | 574 | 0.31 | 4.3 | 81 | 2277 | 3.1 | 95 | 45 | 624 | 0.70 | 1.58 | | 2.44 | 34.369 | 8.1 | 7.58 | 1.00 | |
| DSW40" | 10/05/95 | | 3.0 | 94 | 41 | 575 | 0.52 | 7.3 | 82 | 2314 | 3.1 | 95 | 45 | 623 | 0.65 | 0.33 | | 2.45 | 34.392 | 8.8 | 7.63 | 0.96 | |
| DSW40" | 10/10/95 | | 3.0 | 93 | 41 | 576 | 0.41 | 5.7 | 84 | 2359 | 3.1 | 95 | 45 | 632 | 0.61 | 0.15 | | 2.46 | 34.398 | 8.4 | 7.66 | 0.95 | |
| DSW40" | 10/19/95 | | 3.0 | 94 | 42 | 581 | 0.50 | 7.0 | 81 | 2267 | 3.1 | 95 | 43 | 602 | 0.78 | 0.19 | | 2.42 | 34.381 | 8.0 | 7.60 | 0.92 | |
| DSW40" | 10/25/95 | | 3.0 | 93 | 42 | 584 | 0.30 | 4.2 | 82 | 2293 | 3.1 | 94 | 45 | 625 | 0.69 | 0.43 | | 2.42 | 34.394 | 9.4 | 7.63 | 0.92 | |
| DSW40" | 11/01/95 | | 3.0 | 94 | 42 | 583 | 0.39 | 5.5 | 83 | 2340 | 3.1 | 96 | 31 | 438 | 0.56 | 0.30 | | 2.42 | 34.393 | 10.2 | 7.61 | 0.93 | |
| DSW40" | 11/08/95 | | 3.0 | 94 | 41 | 577 | 0.41 | 5.7 | 82 | 2304 | 3.1 | 95 | 44 | 621 | 0.64 | 0.32 | | 2.41 | 34.394 | 9.4 | 7.72 | 0.92 | |
| DSW40" | 11/16/95 | | 3.0 | 92 | 41 | 580 | 0.47 | 6.6 | 78 | 2193 | 3.1 | 96 | 45 | 632 | 0.66 | 0.36 | | 2.41 | 34.410 | 10.8 | 7.58 | 0.98 | |
| DSW40" | 11/21/95 | | 3.1 | 96 | 41 | 578 | 0.48 | 6.7 | 83 | 2342 | 3.1 | 97 | 43 | 598 | 0.72 | 0.32 | | 2.41 | 34.390 | 10.2 | 7.59 | 0.96 | |
| DSW40" | 11/27/95 | | 3.1 | 96 | 42 | 594 | 0.47 | 6.6 | 83 | 2327 | 3.1 | 97 | 44 | 620 | 0.67 | 0.26 | | 2.43 | 34.404 | 11.2 | 7.58 | 0.95 | |
| DSW40" | 12/05/95 | | 3.0 | 93 | 42 | 581 | 0.29 | 4.1 | 82 | 2289 | 3.0 | 94 | 42 | 593 | 0.64 | 0.06 | | 2.45 | 34.384 | 8.4 | 7.56 | 1.01 | |
| DSW40" | 12/11/95 | | 3.0 | 94 | 44 | 619 | 0.36 | 5.0 | 87 | 2430 | 3.1 | 95 | 43 | 606 | 0.61 | 0.03 | | 2.46 | 34.401 | 8.3 | 7.56 | 0.97 | |
| DSW40" | 12/21/95 | | 3.0 | 94 | 42 | 582 | 0.21 | 2.9 | 83 | 2317 | 3.1 | 96 | 45 | 625 | 0.51 | 0.49 | | 2.45 | 34.397 | 8.3 | 7.49 | 1.00 | |
| DSW40" | 12/27/95 | | 3.0 | 94 | 42 | 581 | 0.07 | 1.0 | 83 | 2339 | 3.1 | 97 | 44 | 616 | 0.64 | 0.00 | | 2.43 | 34.397 | 8.3 | 7.57 | 1.03 | |
| DSW40" | 01/03/96 | | 3.1 | 94 | 42 | 585 | 0.12 | 1.7 | 84 | 2366 | 3.1 | 96 | 44 | 615 | 0.50 | 0.04 | | 2.41 | 34.398 | 8.2 | 7.67 | 0.99 | |
| DSW40" | 01/10/96 | | 3.0 | 94 | 41 | 574 | 0.02 | 0.3 | 85 | 2377 | 3.1 | 95 | 41 | 569 | 0.91 | 0.14 | | 2.40 | 34.388 | 8.0 | 7.58 | 0.88 | |
| DSW40" | 01/17/96 | | 3.0 | 94 | 41 | 573 | 0.01 | 0.1 | 81 | 2274 | 3.1 | 97 | 43 | 604 | 0.71 | 0.38 | | 2.36 | 34.364 | 8.3 | 7.57 | 0.93 | |
| DSW40" | 01/23/96 | | 3.1 | 95 | 41 | 575 | 0.11 | 1.5 | 84 | 2349 | 3.1 | 96 | 45 | 634 | 0.74 | 0.35 | | 2.39 | 34.407 | 8.1 | 7.58 | 0.99 | |
| DSW40" | 01/31/96 | | 3.1 | 95 | 41 | 573 | 0.26 | 3.6 | 81 | 2270 | 3.1 | 97 | 39 | 547 | 0.63 | 0.17 | | 2.37 | 34.368 | 8.3 | 7.59 | 0.97 | |
| DSW40" | 02/07/96 | | 3.0 | 94 | 43 | 603 | 0.40 | 5.6 | 81 | 2268 | 3.1 | 97 | 44 | 611 | 0.86 | 0.85 | | 2.39 | 34.364 | 8.9 | 7.56 | 0.96 | |
| DSW40" | 02/16/96 | | 3.1 | 94 | 42 | 588 | 0.33 | 4.6 | 81 | 2287 | 3.1 | 96 | 45 | 634 | 1.06 | 1.20 | | 2.38 | 34.374 | 8.7 | 7.55 | 1.06 | |
| DSW40" | 02/22/96 | | 3.0 | 94 | 42 | 585 | 0.56 | 7.8 | 83 | 2342 | 3.1 | 96 | 48 | 668 | 0.99 | 1.28 | | 2.40 | 34.411 | 8.4 | 7.54 | 0.88 | |
| DSW40" | 02/28/96 | | 3.1 | 95 | 42 | 582 | 0.40 | 5.6 | 85 | 2383 | 3.1 | 97 | 44 | 611 | 0.72 | 0.85 | | 2.40 | 34.408 | 8.7 | 7.57 | 0.89 | |
| DSW40" | 03/07/96 | | 3.1 | 95 | 42 | 589 | 0.34 | 4.8 | 85 | 2400 | 3.2 | 98 | 41 | 578 | 0.70 | 0.42 | | 2.38 | 34.421 | 8.5 | 7.57 | 1.02 | |
| DSW40" | 03/14/96 | | 3.0 | 92 | 41 | 573 | 0.49 | 6.9 | 81 | 2281 | 3.1 | 95 | 43 | 606 | 0.70 | 0.82 | | 2.37 | 34.388 | 9.0 | 7.59 | 0.98 | |
| DSW40" | 03/21/96 | | 3.0 | 92 | 41 | 572 | 0.57 | 8.0 | 79 | 2232 | 3.1 | 94 | 33 | 455 | 0.64 | 0.00 | | 2.39 | 34.383 | 8.8 | 7.59 | 0.95 | |
| DSW40" | 03/28/96 | | 3.1 | 95 | 41 | 576 | 0.30 | 4.2 | 81 | 2275 | 3.1 | 96 | 43 | 600 | 0.60 | 1.10 | | 2.38 | 34.372 | 9.0 | 7.56 | 0.96 | |
| DSW40" | 04/03/96 | | 3.1 | 94 | 40 | 567 | 0.19 | 2.7 | 79 | 2229 | 3.1 | 96 | 45 | 628 | 0.64 | 1.08 | | 2.37 | 34.376 | 8.8 | 7.55 | 0.96 | |
| DSW40" | 04/10/96 | | 3.1 | 95 | 41 | 578 | 0.44 | 6.2 | 83 | 2333 | 3.2 | 99 | 45 | 633 | 0.59 | 0.92 | | 2.36 | 34.396 | 9.1 | 7.58 | 10.74 | |
| DSW40" | 04/17/96 | | 3.1 | 96 | 41 | 576 | 0.22 | 3.1 | 86 | 2416 | 3.2 | 99 | 44 | 613 | 0.65 | 0.98 | | 2.35 | 34.380 | 8.7 | 7.66 | 9.08 | |
| DSW40" | 04/24/96 | | 3.1 | 97 | 41 | 577 | 0.12 | 1.7 | 84 | 2369 | 3.2 | 99 | 45 | 636 | 0.66 | 1.55 | | 2.41 | 34.398 | 8.9 | 7.54 | 9.16 | |
| DSW40" | 04/30/96 | | 3.2 | 98 | 41 | 574 | 0.07 | 1.0 | 82 | 2296 | 3.3 | 101 | 46 | 645 | 0.79 | 0.20 | | 2.42 | 34.410 | 9.1 | 7.54 | 9.45 | |
| DSW40" | 05/09/96 | | 3.0 | 94 | 42 | 582 | 0.08 | 1.1 | 73 | 2055 | 3.1 | 97 | 36 | 503 | 0.53 | 0.95 | | 2.42 | 34.404 | 8.9 | 7.54 | 9.32 | |
| DSW40" | 05/17/96 | | 3.1 | 95 | 41 | 569 | 0.14 | 2.0 | 78 | 2200 | 3.2 | 99 | 33 | 461 | 0.49 | 1.18 | | 2.43 | 34.373 | 10.9 | 7.56 | 9.26 | |
| DSW40" | 05/22/96 | | 3.0 | 94 | 41 | 568 | 0.16 | 2.2 | 80 | 2234 | 3.1 | 96 | 45 | 626 | 0.62 | 1.15 | | 2.43 | 34.403 | 8.6 | 7.59 | 9.68 | |
| DSW40" | 05/29/96 | | 3.1 | 95 | 42 | 582 | 0.25 | 3.5 | 88 | 2461 | 3.2 | 98 | 45 | 626 | 0.60 | 1.53 | | 2.43 | 34.409 | 8.6 | 7.55 | 10.06 | |
| DSW40" | 06/05/96 | | 3.0 | 94 | 41 | 578 | 0.12 | 1.7 | 85 | 2395 | 3.2 | 98 | 44 | 622 | 0.65 | 1.00 | | 2.43 | 34.386 | 9.8 | 7.55 | 10.45 | |
| DSW40" | 06/10/96 | | 3.0 | 94 | 42 | 590 | 0.05 | 0.7 | 86 | 2429 | 3.1 | 96 | 44 | 619 | 0.60 | 0.80 | | 2.42 | 34.395 | 9.2 | 7.60 | 10.68 | |
| DSW40" | 06/19/96 | | 3.0 | 94 | 41 | 575 | 0.25 | 3.5 | 83 | 2321 | 3.1 | 96 | 44 | 621 | 0.57 | 0.70 | | 2.42 | 34.378 | 8.7 | 7.56 | 1.24 | |
| DSW40" | 06/28/96 | | 3.0 | 94 | 42 | 582 | 0.30 | 4.2 | 84 | 2352 | 3.2 | 98 | 45 | 634 | 0.59 | 1.13 | | 2.42 | 34.391 | 8.8 | 7.54 | 1.14 | |

NELHA Water Quality Laboratory

DSW 40"

Intake Depth: 674 m, Offshore Pipe Length: 1,916 m

| SITE ID | DATE MDY | TIME (2400) | PO ₄ ³⁻ (µM) | (µg P/L) | NO ₂ ⁻ & NO ₃ ⁻ (µM) | (µg N/L) | NH ₄ ⁺ & NH ₃ (µM) | (µg N/L) | Si (µg Si/L) | TDP (µg P/L) | (µM) | TDN (µg N/L) | TOC (mgC/L) | TSS (mg/L) | Turbidity (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL | |
|---------|-------------|----------------|---------------------------------------|----------|---|----------|--|----------|-----------------|-----------------|------|-----------------|----------------|---------------|--------------------|----------------|-------------------|--------------|--------------|-------------|---------------------|---|--|
| DSW40" | 07/05/96 | | 3.1 | 96 | 42 | 586 | 0.35 | 4.9 | 81 | 2271 | 3.2 | 99 | 47 | 654 | 0.67 | 0.90 | | 2.42 | 34.405 | 8.8 | 7.55 | 1.08 | |
| DSW40" | 07/10/96 | | 3.1 | 97 | 41 | 579 | 0.24 | 3.4 | 85 | 2376 | 3.3 | 101 | 45 | 636 | 0.63 | 1.38 | | 2.42 | 34.394 | 10.1 | 7.56 | 1.08 | |
| DSW40" | 07/18/96 | | 3.0 | 92 | 42 | 588 | 0.25 | 3.5 | 86 | 2411 | 3.0 | 94 | 45 | 635 | 0.64 | 1.28 | | 2.44 | 34.394 | 10.1 | 7.59 | 1.06 | |
| DSW40" | 07/25/96 | | 3.0 | 94 | 43 | 596 | 0.11 | 1.5 | 88 | 2473 | 3.1 | 97 | 46 | 645 | 0.64 | 1.18 | | 2.31 | 34.422 | 8.7 | 7.57 | 1.16 | |
| DSW40" | 08/02/96 | | 3.1 | 94 | 42 | 591 | 0.36 | 5.0 | 88 | 2479 | 3.2 | 98 | 46 | 649 | 0.57 | 0.90 | | 2.11 | 34.405 | 8.2 | 7.59 | 1.19 | |
| DSW40" | 08/08/96 | | 3.1 | 94 | 43 | 606 | 0.72 | 10.1 | 88 | 2481 | 3.1 | 97 | 46 | 638 | 0.64 | 0.85 | | 2.28 | 34.402 | 8.4 | 7.56 | 1.08 | |
| DSW40" | 08/14/96 | | 3.0 | 93 | 42 | 594 | 0.63 | 8.8 | 88 | 2471 | 3.1 | 97 | 43 | 605 | 0.60 | 1.35 | | 2.17 | 34.388 | 8.7 | 7.56 | 1.04 | |
| DSW40" | 08/19/96 | | 3.1 | 95 | 42 | 591 | 0.40 | 5.6 | 81 | 2281 | 3.2 | 99 | 46 | 639 | 0.58 | 0.78 | | 2.27 | 34.413 | 9.3 | 7.57 | 0.90 | |
| DSW40" | 08/29/96 | | 3.1 | 95 | 43 | 597 | 0.36 | 5.0 | 85 | 2397 | 3.1 | 96 | 47 | 652 | 0.59 | 1.28 | | 2.27 | 34.421 | 8.6 | 7.56 | 0.95 | |
| DSW40" | 09/05/96 | | 3.1 | 96 | 42 | 593 | 0.80 | 11.2 | 85 | 2383 | 3.1 | 97 | 47 | 658 | 0.63 | 0.88 | | 2.27 | 34.429 | 8.1 | 7.54 | 1.01 | |
| DSW40" | 09/12/96 | | 3.1 | 95 | 42 | 586 | 0.09 | 1.3 | 84 | 2370 | 3.1 | 96 | 38 | 526 | 0.70 | 0.77 | | 2.25 | 34.411 | 8.1 | 7.59 | 0.93 | |
| DSW40" | 09/17/96 | | 3.0 | 94 | 42 | 589 | 0.02 | 0.3 | 86 | 2411 | 3.1 | 97 | 33 | 465 | 0.80 | 1.00 | | 2.26 | 34.402 | 8.3 | 7.53 | 0.99 | |
| DSW40" | 09/25/96 | | 3.0 | 94 | 42 | 591 | 0.31 | 4.3 | 83 | 2329 | 3.1 | 96 | 42 | 584 | 0.83 | 0.85 | | 2.22 | 34.399 | 8.5 | 7.54 | 0.96 | |
| DSW40" | 09/30/96 | | 3.1 | 97 | 42 | 583 | 0.15 | 2.1 | 84 | 2362 | 3.2 | 99 | 41 | 578 | 0.83 | 0.20 | | 2.17 | 34.380 | 8.7 | 7.54 | 0.92 | |
| DSW40" | 10/10/96 | | 3.0 | 94 | 42 | 589 | 0.47 | 6.6 | 85 | 2400 | 3.1 | 96 | 45 | 625 | 0.58 | 0.87 | | 2.23 | 34.384 | 8.9 | 7.56 | 1.00 | |
| DSW40" | 10/14/96 | | 3.1 | 96 | 44 | 617 | 0.47 | 6.6 | 82 | 2310 | 3.2 | 100 | 45 | 631 | 0.66 | 0.38 | | 2.28 | 34.384 | 9.1 | 7.57 | 0.93 | |
| DSW40" | 10/24/96 | | 3.0 | 94 | 42 | 588 | 0.40 | 5.6 | 83 | 2345 | 3.1 | 96 | 45 | 626 | 0.70 | 0.75 | | 2.29 | 34.387 | 8.7 | 7.54 | 0.96 | |
| DSW40" | 10/31/96 | | 3.1 | 97 | 42 | 592 | 0.23 | 3.2 | 84 | 2345 | 3.2 | 100 | 45 | 634 | 0.64 | 0.85 | | 2.36 | 34.393 | 8.2 | 7.53 | 0.98 | |
| DSW40" | 11/08/96 | | 3.0 | 94 | 42 | 589 | 0.39 | 5.5 | 86 | 2419 | 3.1 | 95 | 44 | 619 | 0.62 | 0.77 | | 2.36 | 34.395 | 7.8 | 7.51 | 1.01 | |
| DSW40" | 11/13/96 | | 3.1 | 95 | 41 | 578 | 0.29 | 4.1 | 86 | 2404 | 3.1 | 97 | 45 | 626 | 0.70 | 0.92 | | 2.37 | 34.394 | 8.3 | 7.57 | 1.02 | |
| DSW40" | 11/20/96 | | 3.0 | 93 | 41 | 568 | 0.35 | 4.9 | 82 | 2309 | 3.1 | 96 | 44 | 611 | 0.62 | 1.25 | | 2.34 | 34.369 | 7.7 | 7.52 | 1.04 | |
| DSW40" | 11/27/96 | | 3.0 | 94 | 41 | 570 | 0.36 | 5.0 | 82 | 2313 | 3.1 | 97 | 46 | 642 | 0.68 | 0.98 | | 2.36 | 34.388 | 8.2 | 7.55 | 1.04 | |
| DSW40" | 12/04/96 | | 3.1 | 96 | 42 | 585 | 0.37 | 5.2 | 89 | 2491 | 3.2 | 98 | 45 | 636 | 0.70 | 0.95 | | 2.36 | 34.404 | 8.2 | 7.54 | 0.99 | |
| DSW40" | 12/11/96 | | 3.1 | 96 | 41 | 581 | 0.54 | 7.6 | 81 | 2278 | 3.2 | 98 | 49 | 679 | 0.68 | 0.87 | | 2.35 | 34.375 | 8.5 | 7.55 | 1.01 | |
| DSW40" | 12/18/96 | | 3.1 | 94 | 41 | 570 | 0.25 | 3.5 | 84 | 2362 | 3.2 | 98 | 44 | 614 | 0.70 | 0.85 | | 2.36 | 34.403 | 8.3 | 7.56 | 1.00 | |
| DSW40" | 12/23/96 | | 3.0 | 94 | 40 | 566 | 0.33 | 4.6 | 82 | 2302 | 3.1 | 96 | 43 | 604 | 0.90 | 0.68 | | 2.35 | 34.376 | 8.5 | 7.55 | 1.50 | |
| DSW40" | 01/02/97 | | 3.1 | 95 | 42 | 582 | 0.25 | 3.5 | 84 | 2351 | 3.1 | 97 | 44 | 613 | 0.68 | 0.85 | | 2.36 | 34.385 | 8.2 | 7.56 | 0.96 | |
| DSW40" | 01/09/97 | | 3.0 | 94 | 41 | 572 | 0.22 | 3.1 | 83 | 2333 | 3.2 | 98 | 43 | 606 | 0.60 | 0.85 | | 2.36 | 34.381 | 6.9 | 7.56 | 0.96 | |
| DSW40" | 01/16/97 | | 3.3 | 103 | 41 | 578 | 0.05 | 0.7 | 88 | 2485 | 3.4 | 106 | 45 | 632 | 0.67 | 1.00 | | 2.36 | 34.412 | 7.8 | 7.57 | 0.97 | |
| DSW40" | 01/21/97 | | 3.0 | 94 | 41 | 572 | 0.01 | 0.1 | 84 | 2352 | 3.1 | 96 | 42 | 594 | 0.70 | 0.63 | | 2.15 | 34.712 | 8.7 | 7.57 | 1.00 | |
| DSW40" | 01/28/97 | | 3.0 | 93 | 41 | 570 | 0.01 | 0.1 | 86 | 2429 | 3.0 | 94 | 43 | 598 | 0.69 | 0.73 | | 2.16 | 34.932 | 8.8 | 7.56 | 1.01 | |
| DSW40" | 02/07/97 | | 3.0 | 94 | 42 | 591 | 0.01 | 0.1 | 83 | 2334 | 3.1 | 95 | 45 | 629 | 0.65 | 0.98 | | 2.12 | 34.376 | 8.4 | 7.57 | 1.05 | |
| DSW40" | 02/12/97 | | 3.0 | 94 | 42 | 590 | 0.11 | 1.5 | 91 | 2543 | 3.1 | 96 | 44 | 610 | 0.70 | 0.92 | | 2.16 | 34.419 | 8.0 | 7.59 | 1.02 | |
| DSW40" | 02/19/97 | | 3.1 | 95 | 42 | 583 | 0.07 | 1.0 | 85 | 2378 | 3.1 | 96 | 44 | 620 | 0.53 | 0.70 | | 2.11 | 34.391 | 8.1 | 7.59 | 0.98 | |
| DSW40" | 02/25/97 | | 3.0 | 92 | 42 | 589 | 0.09 | 1.3 | 87 | 2447 | 3.1 | 95 | 46 | 639 | 0.62 | 1.00 | | 2.14 | 34.412 | 12.6 | 7.61 | 1.00 | |
| DSW40" | 03/04/97 | | 3.0 | 91 | 42 | 591 | 0.05 | 0.7 | 86 | 2420 | 3.0 | 93 | 46 | 640 | 0.71 | 1.13 | | 2.14 | 34.400 | 8.3 | 7.61 | 0.97 | |
| DSW40" | 03/12/97 | | 3.0 | 92 | 41 | 579 | 0.22 | 3.1 | 90 | 2537 | 3.1 | 97 | 43 | 609 | 0.71 | 0.80 | | 2.15 | 34.383 | 8.2 | 7.57 | 1.00 | |
| DSW40" | 03/20/97 | | 3.1 | 95 | 41 | 575 | 0.11 | 1.5 | 88 | 2472 | 3.3 | 101 | 43 | 607 | 0.52 | 1.25 | | 2.15 | 34.390 | 8.2 | 7.56 | 0.96 | |
| DSW40" | 03/25/97 | | 3.1 | 94 | 42 | 584 | 0.06 | 0.8 | 85 | 2390 | 3.2 | 99 | 44 | 622 | 0.69 | 0.87 | | 2.12 | 34.391 | 8.1 | 7.55 | 1.01 | |
| DSW40" | 03/31/97 | | 3.1 | 95 | 41 | 575 | 0.10 | 1.4 | 80 | 2254 | 3.2 | 98 | 45 | 627 | 0.62 | 0.50 | | 2.12 | 34.358 | 8.8 | 7.56 | 1.03 | |
| DSW40" | 04/07/97 | | 3.0 | 92 | 41 | 570 | 0.36 | 5.0 | 83 | 2327 | 3.1 | 95 | 42 | 587 | 0.69 | 0.52 | | 2.15 | 34.372 | 9.0 | 7.56 | 0.93 | |
| DSW40" | 04/14/97 | | 3.0 | 92 | 42 | 584 | 0.19 | 2.7 | 82 | 2308 | 3.0 | 94 | 46 | 649 | 0.62 | 0.75 | | 2.67 | 34.387 | 8.8 | 7.59 | 0.91 | |
| DSW40" | 04/24/97 | | 3.1 | 96 | 41 | 580 | 0.39 | 5.5 | 84 | 2364 | 3.7 | 113 | 42 | 588 | 0.69 | 0.70 | | 2.62 | 34.373 | 8.8 | 7.58 | 1.02 | |
| DSW40" | 05/02/97 | | 3.0 | 93 | 42 | 582 | 0.34 | 4.8 | 79 | 2207 | 3.1 | 97 | 43 | 606 | 0.67 | 0.70 | | 2.70 | 34.392 | 10.3 | 7.57 | 0.91 | |
| DSW40" | 05/08/97 | | 3.3 | 103 | 41 | 580 | 0.25 | 3.5 | 81 | 2263 | 3.6 | 110 | 44 | 616 | 0.66 | 0.78 | | 2.65 | 34.374 | 8.6 | 7.59 | 0.89 | |
| DSW40" | 05/13/97 | | 3.2 | 99 | 41 | 573 | 0.30 | 4.2 | 80 | 2233 | 4.1 | 126 | 42 | 595 | 0.67 | 0.75 | | 2.46 | 34.377 | 9.6 | 7.59 | 0.96 | |
| DSW40" | 05/19/97 | | 3.2 | 100 | 41 | 578 | 0.33 | 4.6 | 84 | 2368 | 3.4 | 106 | 43 | 604 | 0.65 | 0.95 | | 2.49 | 34.399 | 7.7 | 7.61 | 0.97 | |
| DSW40" | 05/29/97 | | 3.0 | 93 | 41 | 572 | 0.22 | 3.1 | 86 | 2422 | 3.1 | 97 | 42 | 594 | 0.62 | 0.80 | | 2.49 | 34.371 | 8.1 | 7.58 | 1.52 | |
| DSW40" | 06/03/97 | | 3.0 | 93 | 41 | 573 | 0.31 | 4.3 | 88 | 2481 | 3.1 | 97 | 43 | 604 | 0.70 | 0.88 | | 2.56 | 34.379 | 7.8 | 7.61 | 1.06 | |
| DSW40" | 06/10/97 | | 3.0 | 91 | 41 | 576 | 0.31 | 4.3 | 89 | 2504 | 3.1 | 95 | 42 | 593 | 0.67 | 0.80 | | 2.53 | 34.347 | 7.7 | 7.67 | 1.03 | |
| DSW40" | 06/18/97 | | 3.0 | 93 | 42 | 582 | 0.41 | 5.7 | 89 | 2486 | 3.2 | 98 | 47 | 651 | 0.60 | 0.50 | | 2.51 | 34.378 | 7.7 | 7.56 | 1.01 | |
| DSW40" | 06/23/97 | | 3.1 | 94 | 41 | 577 | 0.12 | 1.7 | 88 | 2473 | 3.2 | 100 | 42 | 587 | 0.65 | 0.45 | | 2.65 | 34.359 | 7.8 | 7.60 | 1.06 | |

NELHA Water Quality Laboratory

DSW 40"

Intake Depth: 674 m, Offshore Pipe Length: 1,916 m

| SITE ID | DATE MD/Y | TIME (2400) | PO ₄ ³⁻ (μ M) | (μ g P/L) | NO ₃ ⁻ & NO ₂ ⁻ (μ M) | (μ g N/L) | NH ₄ ⁺ & NH ₃ (μ M) | (μ g N/L) | Si (μ g Si/L) | TDP (μ M) | (μ g P/L) | TDN (μ M) | (μ g N/L) | TOC (mgC/L) | TSS (mg/L) | Turbidity (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL |
|---------|--------------|----------------|---|----------------|---|----------------|--|----------------|-----------------------|-------------------|----------------|-------------------|----------------|----------------|---------------|--------------------|----------------|-------------------|--------------|--------------|-------------|---------------------|---|
| DSW40" | 07/03/97 | | 3.1 | 96 | 41 | 575 | 0.04 | 0.6 | 87 | 2443 | 3.3 | 101 | 43 | 595 | 0.66 | 0.83 | | 2.63 | 34.362 | 8.5 | 7.62 | 0.99 | |
| DSW40" | 07/09/97 | | 3.1 | 94 | 41 | 578 | 0.23 | 3.2 | 87 | 2431 | 3.1 | 97 | 43 | 604 | 0.63 | 0.68 | | 2.64 | 34.401 | 8.8 | 7.63 | 0.97 | |
| DSW40" | 07/17/97 | | 3.0 | 94 | 41 | 576 | 0.07 | 1.0 | 88 | 2473 | 3.2 | 98 | 42 | 588 | 0.71 | 0.58 | | 2.55 | 34.384 | 9.1 | 7.61 | 0.99 | |
| DSW40" | 07/25/97 | | 3.1 | 96 | 42 | 584 | 0.16 | 2.2 | 90 | 2536 | 3.3 | 102 | 45 | 634 | 0.58 | 0.55 | | 2.66 | 34.416 | 7.9 | 7.68 | 1.00 | |
| DSW40" | 07/31/97 | | 3.1 | 94 | 41 | 576 | 0.16 | 2.2 | 90 | 2540 | 3.2 | 98 | 43 | 597 | 0.69 | 0.65 | | 2.60 | 34.399 | 9.3 | 7.68 | 1.00 | |
| DSW40" | 08/07/97 | | 3.1 | 94 | 40 | 566 | 0.14 | 2.0 | 83 | 2331 | 3.2 | 98 | 42 | 585 | 0.66 | 0.75 | | 2.53 | 34.329 | 11.9 | 7.70 | 1.10 | |
| DSW40" | 08/13/97 | | 3.1 | 94 | 41 | 574 | 0.02 | 0.3 | 84 | 2356 | 3.2 | 99 | 43 | 608 | 0.64 | 0.98 | | 2.49 | 34.406 | 11.0 | 7.71 | 1.01 | |
| DSW40" | 08/22/97 | | 3.0 | 94 | 41 | 571 | 0.14 | 2.0 | 85 | 2375 | 3.1 | 97 | 43 | 597 | 0.62 | 1.83 | | 2.48 | 34.382 | 8.6 | 7.68 | 1.00 | |
| DSW40" | 08/27/97 | | 3.1 | 95 | 41 | 578 | 0.26 | 3.6 | 89 | 2491 | 3.2 | 100 | 42 | 589 | 0.63 | 0.63 | | 2.49 | 34.395 | 10.7 | 7.68 | 1.00 | |
| DSW40" | 09/03/97 | | 3.1 | 96 | 41 | 577 | 0.29 | 4.1 | 91 | 2569 | 3.3 | 102 | 42 | 589 | 0.65 | 1.28 | | 2.49 | 34.384 | 10.2 | 7.71 | 0.97 | |
| DSW40" | 09/11/97 | | 3.1 | 97 | 41 | 577 | 0.21 | 2.9 | 87 | 2453 | 3.2 | 98 | 43 | 597 | 0.69 | 0.78 | | 2.49 | 34.397 | 8.4 | 7.73 | 0.97 | |
| DSW40" | 09/18/97 | | 3.1 | 95 | 41 | 573 | 0.10 | 1.4 | 85 | 2391 | 3.3 | 101 | 42 | 582 | 0.60 | 0.58 | | 2.49 | 34.372 | 8.7 | 7.73 | 0.98 | |
| DSW40" | 09/25/97 | | 3.1 | 97 | 42 | 585 | 0.42 | 5.9 | 90 | 2534 | 3.3 | 103 | 43 | 596 | 0.63 | 0.58 | | 2.49 | 34.400 | 11.1 | 7.73 | 1.02 | |
| DSW40" | 09/30/97 | | 3.0 | 93 | 41 | 568 | 0.38 | 5.3 | 85 | 2376 | 3.2 | 98 | 42 | 583 | 0.62 | 0.75 | | 2.53 | 34.357 | 8.1 | 7.74 | 0.98 | |
| DSW40" | 10/09/97 | | 3.0 | 94 | 40 | 566 | 0.31 | 4.3 | 83 | 2345 | 3.1 | 97 | 42 | 585 | 0.66 | 0.25 | | 2.53 | 34.339 | 8.2 | 7.72 | 1.08 | |
| DSW40" | 10/16/97 | | 3.1 | 96 | 41 | 574 | 0.34 | 4.8 | 88 | 2481 | 3.2 | 100 | 42 | 590 | 0.59 | 0.58 | | 2.54 | 34.393 | 7.7 | 7.74 | 0.98 | |
| DSW40" | 10/23/97 | | 3.0 | 93 | 41 | 574 | 0.19 | 2.7 | 86 | 2413 | 3.3 | 101 | 46 | 641 | 0.62 | 0.70 | | 2.53 | 34.380 | 7.3 | 7.77 | 1.13 | |
| DSW40" | 10/30/97 | | 3.1 | 97 | 41 | 575 | 0.20 | 2.8 | 89 | 2500 | 3.3 | 102 | 48 | 671 | 0.63 | 0.35 | | 2.54 | 34.394 | 7.4 | 7.74 | 1.09 | |
| DSW40" | 11/06/97 | | 3.1 | 95 | 42 | 587 | 0.28 | 3.9 | 87 | 2439 | 3.2 | 98 | 46 | 646 | 0.63 | 0.78 | | 2.53 | 34.392 | 7.2 | 7.73 | 1.12 | |
| DSW40" | 11/10/97 | | 3.2 | 98 | 43 | 596 | 0.28 | 3.9 | 90 | 2537 | 3.3 | 102 | 46 | 646 | 0.64 | 0.60 | | 2.54 | 34.420 | 6.9 | 7.74 | 1.15 | |
| DSW40" | 11/20/97 | | 3.1 | 94 | 42 | 593 | 0.33 | 4.6 | 89 | 2509 | 3.2 | 100 | 46 | 641 | 0.66 | 0.20 | | 2.52 | 34.415 | 6.6 | 7.71 | 1.10 | |
| DSW40" | 11/25/97 | | 3.1 | 95 | 42 | 585 | 0.36 | 5.0 | 87 | 2438 | 3.1 | 97 | 46 | 644 | 0.68 | 0.05 | | 2.52 | 34.378 | 7.1 | 7.70 | 1.07 | |
| DSW40" | 12/01/97 | | 3.2 | 98 | 41 | 581 | 0.33 | 4.6 | 89 | 2513 | 3.3 | 102 | 45 | 634 | 0.66 | 0.13 | | 2.52 | 34.394 | 9.4 | 7.70 | 1.09 | |
| DSW40" | 12/11/97 | | 3.1 | 97 | 40 | 562 | 0.09 | 1.3 | 90 | 2535 | 3.2 | 99 | 43 | 600 | 0.64 | 0.65 | | 2.52 | 34.392 | 8.4 | 7.71 | 1.04 | |
| DSW40" | 12/18/97 | | 3.1 | 96 | 42 | 582 | 0.29 | 4.1 | 87 | 2449 | 3.3 | 101 | 43 | 602 | 0.62 | 0.35 | | 2.51 | 34.370 | 8.1 | 7.70 | 1.07 | |
| DSW40" | 12/24/97 | | 3.1 | 96 | 42 | 592 | 0.20 | 2.8 | 92 | 2589 | 3.2 | 100 | 43 | 605 | 0.64 | 0.70 | | 2.52 | 34.415 | 8.4 | 7.72 | 1.10 | |
| DSW40" | 12/29/97 | | 3.1 | 95 | 41 | 576 | 0.23 | 3.2 | 84 | 2354 | 3.2 | 98 | 42 | 593 | 0.67 | 0.23 | | 2.51 | 34.346 | 8.5 | 7.72 | 1.11 | |
| DSW40" | 01/06/98 | | 3.1 | 95 | 42 | 588 | 0.07 | 1.0 | 89 | 2503 | 3.2 | 100 | 42 | 594 | 0.62 | 0.47 | | 2.52 | 34.397 | 8.1 | 7.70 | 1.04 | |
| DSW40" | 01/14/98 | | 3.1 | 96 | 42 | 583 | 0.02 | 0.3 | 88 | 2474 | 3.3 | 101 | 43 | 596 | 0.63 | 0.73 | | 2.51 | 34.388 | 7.1 | 7.72 | 1.02 | |
| DSW40" | 01/22/98 | | 3.2 | 98 | 41 | 581 | 0.02 | 0.3 | 88 | 2463 | 3.3 | 103 | 43 | 596 | 0.64 | 0.50 | | 2.52 | 34.387 | 7.9 | 7.71 | 1.05 | |
| DSW40" | 01/29/98 | | 3.2 | 98 | 40 | 564 | 0.14 | 2.0 | 84 | 2354 | 3.3 | 101 | 42 | 590 | 0.63 | 0.20 | | 2.28 | 34.361 | 8.0 | 7.72 | 1.14 | |
| DSW40" | 02/05/98 | | 3.2 | 98 | 42 | 582 | 0.09 | 1.3 | 87 | 2433 | 3.2 | 100 | 42 | 587 | 0.61 | 0.20 | | 2.28 | 34.381 | 7.9 | 7.74 | 1.07 | |
| DSW40" | 02/09/98 | | 3.1 | 97 | 41 | 580 | 0.13 | 1.8 | 85 | 2401 | 3.2 | 100 | 44 | 619 | 0.64 | 0.05 | | 2.28 | 34.371 | 7.7 | 7.74 | 1.09 | |
| DSW40" | 02/17/98 | | 3.1 | 95 | 41 | 570 | 0.22 | 3.1 | 83 | 2343 | 3.2 | 100 | 44 | 620 | 0.62 | 0.43 | | 2.28 | 34.359 | 8.2 | 7.75 | 1.20 | |
| DSW40" | 02/23/98 | | 3.2 | 99 | 41 | 576 | 0.21 | 2.9 | 89 | 2512 | 3.3 | 103 | 44 | 621 | 0.57 | 0.20 | | 2.28 | 34.388 | 8.2 | 7.75 | 1.21 | |
| DSW40" | 03/05/98 | | 3.2 | 99 | 42 | 584 | 0.12 | 1.7 | 86 | 2401 | 3.3 | 102 | 45 | 633 | 0.62 | 0.10 | | 2.28 | 34.377 | 8.3 | 7.54 | 1.14 | |
| DSW40" | 03/12/98 | | 3.3 | 101 | 41 | 572 | 0.16 | 2.2 | 84 | 2365 | 3.4 | 106 | 44 | 623 | 0.60 | 0.22 | | 2.27 | 34.383 | 8.4 | 7.53 | 1.18 | |
| DSW40" | 03/19/98 | | 3.1 | 97 | 41 | 570 | 0.22 | 3.1 | 85 | 2398 | 3.2 | 100 | 44 | 622 | 0.55 | 0.15 | | 2.26 | 34.377 | 8.6 | 7.51 | 1.16 | |
| DSW40" | 03/25/98 | | 3.5 | 107 | 42 | 586 | 0.30 | 4.2 | 91 | 2561 | 3.6 | 112 | 44 | 622 | 0.55 | 0.15 | | 2.27 | 34.408 | 8.5 | 7.53 | 1.21 | |
| DSW40" | 04/02/98 | | 3.3 | 102 | 42 | 584 | 0.27 | 3.8 | 89 | 2490 | 3.4 | 106 | 44 | 617 | 0.57 | 0.55 | | 2.34 | 34.386 | 9.2 | 7.53 | 1.13 | |
| DSW40" | 04/09/98 | | 3.3 | 101 | 41 | 581 | 0.17 | 2.4 | 83 | 2340 | 3.4 | 104 | 44 | 611 | 0.57 | 0.50 | | 2.34 | 34.365 | 8.1 | 7.56 | 1.07 | |
| DSW40" | 04/16/98 | | 3.3 | 101 | 42 | 588 | 0.09 | 1.3 | 91 | 2563 | 3.4 | 106 | 44 | 621 | 0.63 | 0.23 | | 2.34 | 34.418 | 7.2 | 7.55 | 1.09 | |
| DSW40" | 04/20/98 | | 3.3 | 102 | 39 | 543 | 0.14 | 2.0 | 87 | 2444 | 3.4 | 104 | 43 | 608 | 0.63 | 0.22 | | 2.33 | 34.371 | 7.9 | 7.54 | 1.10 | |
| DSW40" | 04/30/98 | | 3.3 | 101 | 42 | 587 | 0.21 | 2.9 | 94 | 2648 | 3.5 | 107 | 44 | 612 | 0.56 | 0.70 | | 2.34 | 34.373 | 7.1 | 7.55 | 1.12 | |
| DSW40" | 05/07/98 | | 3.3 | 101 | 41 | 575 | 0.16 | 2.2 | 88 | 2476 | 3.4 | 106 | 43 | 605 | 0.56 | 0.27 | | 2.34 | 34.377 | 7.1 | 7.53 | 1.07 | |
| DSW40" | 05/15/98 | | 3.2 | 99 | 41 | 579 | 0.19 | 2.7 | 86 | 2407 | 3.4 | 104 | 42 | 594 | 0.55 | 0.63 | | 2.33 | 34.345 | 8.3 | 7.55 | 1.11 | |
| DSW40" | 05/21/98 | | 3.2 | 98 | 42 | 583 | 0.10 | 1.4 | 81 | 2269 | 3.4 | 104 | 44 | 611 | 0.60 | 0.28 | | 2.33 | 34.370 | 7.7 | 7.55 | 1.11 | |
| DSW40" | 05/28/98 | | 3.2 | 100 | 41 | 580 | 0.04 | 0.6 | 86 | 2426 | 3.3 | 102 | 44 | 620 | 0.59 | 0.20 | | 2.34 | 34.371 | 8.0 | 7.56 | 1.12 | |
| DSW40" | 06/04/98 | | 3.3 | 103 | 41 | 580 | 0.05 | 0.7 | 89 | 2512 | 3.4 | 106 | 46 | 642 | 0.70 | 0.15 | | 2.34 | 34.395 | 8.1 | 7.55 | 1.11 | |
| DSW40" | 06/09/98 | | 3.2 | 100 | 41 | 580 | 0.10 | 1.4 | 89 | 2498 | 3.3 | 103 | 44 | 619 | 0.57 | 0.50 | | 2.34 | 34.387 | 8.6 | 7.55 | 1.13 | |
| DSW40" | 06/17/98 | | 3.3 | 101 | 42 | 584 | 0.06 | 0.8 | 89 | 2494 | 3.4 | 106 | 45 | 629 | 0.61 | 0.48 | | 2.34 | 34.400 | 7.8 | 7.54 | 1.15 | |
| DSW40" | 06/23/98 | | 3.2 | 100 | 42 | 585 | 0.20 | 2.8 | 89 | 2496 | 3.4 | 104 | 44 | 614 | 0.61 | 0.25 | | 2.34 | 34.384 | 8.2 | 7.53 | 1.13 | |

NELHA Water Quality Laboratory

DSW 40"

Intake Depth: 674 m, Offshore Pipe Length: 1,916 m

| SITE ID | DATE MD/Y | TIME (2400) | PO ₄ ³⁻ (µM) | (µg P/L) | NO ₂ ⁻ & NO ₃ ⁻ (µM) | (µg N/L) | NH ₄ ⁺ & NH ₃ (µM) | (µg N/L) | Si (µg Si/L) | TDP (µM) | (µg P/L) | TDN (µM) | (µg N/L) | TOC (mgC/L) | TSS (mg/L) | Turbidity (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL |
|---------|--------------|----------------|---------------------------------------|----------|---|----------|--|----------|-----------------|-------------|----------|-------------|----------|----------------|---------------|--------------------|----------------|-------------------|--------------|--------------|-------------|---------------------|---|
| DSW40" | 07/01/98 | | 3.3 | 101 | 42 | 587 | 0.02 | 0.3 | 90 | 2516 | 3.4 | 106 | 44 | 617 | 0.57 | 0.07 | | 2.42 | 34.392 | 8.1 | 7.54 | 1.11 | |
| DSW40" | 07/09/98 | | 3.2 | 98 | 41 | 580 | 0.05 | 0.7 | 87 | 2435 | 3.4 | 106 | 44 | 617 | 0.57 | 0.52 | | 2.99 | 34.372 | 8.0 | 7.52 | 1.06 | |
| DSW40" | 07/16/98 | | 3.3 | 101 | 42 | 583 | 0.21 | 2.9 | 88 | 2457 | 3.4 | 104 | 45 | 625 | 0.62 | 0.17 | | 2.38 | 34.381 | 8.1 | 7.54 | 1.07 | |
| DSW40" | 07/23/98 | | 3.2 | 99 | 41 | 576 | 0.25 | 3.5 | 85 | 2382 | 3.3 | 103 | 44 | 621 | 0.62 | 0.80 | | 2.40 | 34.344 | 8.2 | 7.54 | 1.14 | |
| DSW40" | 07/29/98 | | 3.3 | 102 | 41 | 570 | 0.16 | 2.2 | 86 | 2404 | 3.5 | 107 | 45 | 632 | 0.70 | 0.22 | | 2.35 | 34.363 | 8.2 | 7.53 | 1.12 | |
| DSW40" | 08/04/98 | | 3.3 | 102 | 42 | 585 | 0.04 | 0.6 | 93 | 2598 | 3.4 | 106 | 45 | 634 | 0.69 | 0.65 | | 2.38 | 34.386 | 7.3 | 7.53 | 1.13 | |
| DSW40" | 08/13/98 | | 3.2 | 98 | 41 | 569 | 0.06 | 0.8 | 85 | 2376 | 3.3 | 103 | 45 | 625 | 0.69 | 0.37 | | 2.38 | 34.338 | 7.7 | 7.52 | 1.13 | |
| DSW40" | 08/19/98 | | 3.1 | 97 | 42 | 581 | 0.07 | 1.0 | 86 | 2410 | 3.3 | 102 | 45 | 626 | 0.69 | 1.02 | | 2.36 | 34.351 | 10.1 | 7.51 | 1.17 | |
| DSW40" | 08/26/98 | | 3.2 | 100 | 41 | 577 | 0.07 | 1.0 | 86 | 2427 | 3.4 | 105 | 45 | 631 | 0.67 | 0.45 | | 2.34 | 34.354 | 8.2 | 7.52 | 1.05 | |
| DSW40" | 09/03/98 | | 3.3 | 103 | 41 | 571 | 0.04 | 0.6 | 85 | 2379 | 3.5 | 108 | 45 | 626 | 0.69 | 0.35 | | 2.34 | 34.357 | 8.7 | 7.52 | 1.05 | |
| DSW40" | 09/10/98 | | 3.2 | 100 | 41 | 578 | 0.04 | 0.6 | 83 | 2320 | 3.4 | 106 | 46 | 650 | 0.77 | 0.38 | | 2.36 | 34.339 | 9.2 | 7.51 | 1.01 | |
| DSW40" | 09/17/98 | | 3.2 | 100 | 41 | 567 | 0.07 | 1.0 | 86 | 2404 | 3.5 | 108 | 46 | 645 | 0.82 | 1.53 | | 2.37 | 34.364 | 10.8 | 7.50 | 1.01 | |
| DSW40" | 09/21/98 | | 3.3 | 102 | 41 | 571 | 0.04 | 0.6 | 86 | 2404 | 3.5 | 108 | 46 | 637 | 0.71 | 1.07 | | 2.39 | 34.378 | 9.3 | 7.53 | 1.04 | |
| DSW40" | 10/01/98 | | 3.2 | 100 | 41 | 581 | 0.03 | 0.4 | 84 | 2370 | 3.5 | 107 | 46 | 643 | 0.65 | 0.78 | | 2.39 | 34.370 | 9.6 | 7.53 | 1.22 | |
| DSW40" | 10/08/98 | | 3.2 | 98 | 41 | 574 | 0.08 | 1.1 | 89 | 2497 | 3.4 | 104 | 45 | 628 | 0.66 | 0.02 | | 2.37 | 34.342 | 9.0 | 7.52 | 1.14 | |
| DSW40" | 10/14/98 | | 3.2 | 98 | 41 | 580 | 0.13 | 1.8 | 90 | 2519 | 3.4 | 104 | 45 | 634 | 0.68 | 0.13 | | 2.36 | 34.373 | 9.5 | 7.52 | 1.18 | |
| DSW40" | 10/21/98 | | 3.2 | 100 | 41 | 567 | 0.11 | 1.5 | 82 | 2309 | 3.5 | 107 | 45 | 633 | 0.69 | 0.85 | | 2.35 | 34.355 | 9.7 | 7.54 | 1.15 | |
| DSW40" | 10/27/98 | | 3.2 | 99 | 41 | 571 | 0.06 | 0.8 | 87 | 2438 | 3.4 | 104 | 46 | 639 | 0.67 | 1.20 | | 2.36 | 34.395 | 9.1 | 7.56 | 1.22 | |
| DSW40" | 11/06/98 | | 3.1 | 97 | 41 | 569 | 0.07 | 1.0 | 87 | 2429 | 3.3 | 103 | 43 | 606 | 0.70 | 0.88 | | 2.29 | 34.399 | 9.7 | 7.54 | 1.04 | |
| DSW40" | 11/09/98 | | 3.2 | 98 | 42 | 591 | 0.01 | 0.1 | 86 | 2413 | 3.4 | 106 | 43 | 596 | 0.81 | 1.28 | | 2.34 | 34.401 | 9.3 | 7.56 | 1.17 | |
| DSW40" | 11/18/98 | | 3.2 | 98 | 42 | 584 | 0.08 | 1.1 | 87 | 2434 | 3.4 | 104 | 43 | 600 | 0.72 | 1.25 | | 2.33 | 34.395 | 9.6 | 7.55 | 1.16 | |
| DSW40" | 11/23/98 | | 3.2 | 99 | 41 | 578 | 0.01 | 0.1 | 86 | 2418 | 3.3 | 103 | 44 | 610 | 0.71 | 1.58 | | 2.27 | 34.375 | 9.3 | 7.55 | 1.13 | |
| DSW40" | 11/30/98 | | 3.2 | 99 | 41 | 580 | 0.05 | 0.7 | 86 | 2425 | 3.4 | 105 | 43 | 601 | 0.72 | 0.65 | | 2.31 | 34.381 | 8.7 | 7.55 | 1.15 | |
| DSW40" | 12/08/98 | | 3.2 | 98 | 41 | 578 | 0.01 | 0.1 | 85 | 2400 | 3.3 | 103 | 43 | 605 | 0.75 | 0.80 | | 2.21 | 34.385 | 8.2 | 7.56 | 1.08 | |
| DSW40" | 12/17/98 | | 3.2 | 98 | 41 | 568 | 0.01 | 0.1 | 84 | 2349 | 3.3 | 101 | 43 | 598 | 0.74 | 0.65 | | 2.20 | 34.363 | 10.0 | 7.54 | 1.15 | |
| DSW40" | 12/21/98 | | 3.1 | 97 | 41 | 573 | 0.04 | 0.6 | 83 | 2325 | 3.3 | 102 | 44 | 615 | 0.83 | 1.15 | | 2.22 | 34.361 | 10.0 | 7.55 | 1.21 | |
| DSW40" | 12/29/98 | | 3.1 | 95 | 41 | 578 | 0.11 | 1.5 | 91 | 2563 | 3.2 | 99 | 43 | 602 | 0.69 | 0.65 | | 2.23 | 34.404 | 9.4 | 7.54 | 1.14 | |
| DSW40" | 01/05/99 | | 3.1 | 96 | 42 | 591 | 0.12 | 1.7 | 87 | 2446 | 3.3 | 101 | 43 | 608 | 0.72 | 0.80 | | 2.24 | 34.403 | 9.0 | 7.54 | 1.08 | |
| DSW40" | 01/14/99 | | 3.0 | 93 | 41 | 581 | 0.01 | 0.1 | 86 | 2406 | 3.2 | 98 | 44 | 610 | 0.74 | 0.90 | | 2.21 | 34.369 | 8.7 | 7.53 | 1.19 | |
| DSW40" | 01/21/99 | | 3.0 | 94 | 42 | 582 | 0.03 | 0.4 | 86 | 2428 | 3.2 | 98 | 44 | 615 | 0.75 | 0.85 | | 2.23 | 34.382 | 8.4 | 7.53 | 1.15 | |
| DSW40" | 01/26/99 | | 3.1 | 94 | 42 | 591 | 0.07 | 1.0 | 87 | 2435 | 3.2 | 100 | 43 | 605 | 0.68 | 0.90 | | 2.24 | 34.380 | 7.9 | 7.55 | 1.07 | |
| DSW40" | 02/04/99 | | 3.1 | 95 | 41 | 573 | 0.11 | 1.5 | 88 | 2457 | 3.3 | 102 | 44 | 613 | 0.73 | 0.73 | | 2.22 | 34.385 | 7.8 | 7.53 | 1.16 | |
| DSW40" | 02/11/99 | | 3.2 | 98 | 42 | 584 | 0.10 | 1.4 | 91 | 2551 | 3.2 | 99 | 44 | 615 | 0.68 | 1.15 | | 2.24 | 34.418 | 7.6 | 7.55 | 1.26 | |
| DSW40" | 02/18/99 | | 3.0 | 94 | 41 | 581 | 0.01 | 0.1 | 84 | 2371 | 3.2 | 99 | 43 | 600 | 0.70 | 0.58 | | 2.20 | 34.343 | 8.7 | 7.55 | 1.35 | |
| DSW40" | 02/23/99 | | 3.1 | 96 | 42 | 587 | 0.01 | 0.1 | 90 | 2532 | 3.3 | 101 | 44 | 611 | 0.69 | 0.88 | | 2.21 | 34.415 | 8.1 | 7.54 | 1.19 | |
| DSW40" | 03/03/99 | | 3.0 | 93 | 42 | 585 | 0.09 | 1.3 | 85 | 2388 | 3.0 | 94 | 43 | 602 | 0.64 | 1.05 | | 2.19 | 34.348 | 8.2 | 7.52 | 1.26 | |
| DSW40" | 03/09/99 | | 3.1 | 96 | 41 | 573 | 0.03 | 0.4 | 89 | 2503 | 3.3 | 101 | 42 | 591 | 0.64 | 0.87 | | 2.21 | 34.395 | 8.6 | 7.55 | 1.08 | |
| DSW40" | 03/16/99 | | 3.0 | 94 | 40 | 566 | 0.03 | 0.4 | 84 | 2350 | 3.2 | 99 | 43 | 604 | 0.65 | 0.95 | | 2.18 | 34.327 | 7.6 | 7.55 | 1.12 | |
| DSW40" | 03/24/99 | | 3.1 | 95 | 41 | 578 | 0.16 | 2.2 | 86 | 2424 | 3.2 | 100 | 44 | 610 | 0.66 | 0.75 | | 2.18 | 34.363 | 7.3 | 7.55 | 1.53 | |
| DSW40" | 03/30/99 | | 3.1 | 97 | 41 | 567 | 0.04 | 0.6 | 84 | 2361 | 3.2 | 98 | 43 | 603 | 0.66 | 0.92 | | 2.18 | 34.338 | 8.5 | 7.54 | 1.15 | |
| DSW40" | 04/07/99 | | 3.0 | 93 | 40 | 554 | 0.03 | 0.4 | 89 | 2491 | 3.1 | 97 | 44 | 609 | 0.64 | 0.87 | | 2.18 | 34.364 | 9.0 | 7.52 | 1.08 | |
| DSW40" | 04/14/99 | | 3.0 | 93 | 40 | 566 | 0.03 | 0.4 | 89 | 2506 | 3.1 | 97 | 43 | 599 | 0.67 | 0.70 | | 2.22 | 34.342 | 8.4 | 7.51 | 1.12 | |
| DSW40" | 04/21/99 | | 3.1 | 96 | 41 | 578 | 0.08 | 1.1 | 89 | 2509 | 3.3 | 101 | 44 | 613 | 0.63 | 0.60 | | 2.20 | 34.384 | 10.5 | 7.54 | 1.09 | |
| DSW40" | 04/29/99 | | 3.1 | 95 | 41 | 572 | 0.02 | 0.3 | 88 | 2459 | 3.2 | 100 | 43 | 599 | 0.65 | 0.73 | | 2.17 | 34.366 | 7.7 | 7.54 | 1.14 | |
| DSW40" | 05/05/99 | | 3.0 | 93 | 41 | 579 | 0.35 | 4.9 | 89 | 2500 | 3.4 | 104 | 44 | 612 | 0.65 | 0.75 | | 2.19 | 34.396 | 8.9 | 7.52 | 1.17 | |
| DSW40" | 05/12/99 | | 3.0 | 94 | 40 | 560 | 0.04 | 0.6 | 88 | 2470 | 3.2 | 99 | 43 | 597 | 0.66 | 0.67 | | 2.17 | 34.393 | 8.8 | 7.51 | 1.15 | |
| DSW40" | 05/20/99 | | 3.1 | 94 | 41 | 575 | 0.03 | 0.4 | 85 | 2385 | 3.2 | 99 | 44 | 611 | 0.67 | 0.85 | | 2.21 | 34.384 | 9.5 | 7.52 | 1.00 | |
| DSW40" | 05/24/99 | | 3.0 | 94 | 42 | 582 | 0.01 | 0.1 | 85 | 2386 | 3.2 | 100 | 44 | 620 | 0.72 | 0.77 | | 2.24 | 34.408 | 9.5 | 7.53 | 0.99 | |
| DSW40" | 06/03/99 | | 3.1 | 96 | 41 | 577 | 0.11 | 1.5 | 86 | 2401 | 3.3 | 102 | 45 | 626 | 0.66 | 0.50 | | 2.22 | 34.383 | 9.0 | 7.51 | 1.05 | |
| DSW40" | 06/09/99 | | 3.1 | 97 | 41 | 576 | 0.17 | 2.4 | 84 | 2359 | 3.4 | 104 | 43 | 608 | 0.64 | 0.55 | | 2.19 | 34.378 | 9.4 | 7.55 | 1.07 | |
| DSW40" | 06/16/99 | | 3.1 | 97 | 40 | 566 | 0.05 | 0.7 | 85 | 2376 | 3.3 | 102 | 46 | 639 | 0.69 | 1.03 | | 2.26 | 34.405 | 8.8 | 7.53 | 1.09 | |
| DSW40" | 06/24/99 | | 3.1 | 96 | 40 | 567 | 0.03 | 0.4 | 83 | 2342 | 3.3 | 102 | 44 | 617 | 0.69 | 0.55 | | 2.18 | 34.399 | 7.7 | 7.53 | 1.01 | |
| DSW40" | 06/29/99 | | 3.1 | 95 | 41 | 577 | 0.02 | 0.3 | 83 | 2317 | 3.2 | 99 | 44 | 617 | 0.69 | | | | | | | | |

NELHA Water Quality Laboratory

DSW 40"

Intake Depth: 674 m, Offshore Pipe Length: 1,916 m

| SITE ID | DATE MD/Y | TIME (2400) | PO ₄ ³⁻ (µM) | (µg P/L) | NO ₃ ⁻ & NO ₂ ⁻ (µM) | (µg N/L) | NH ₄ ⁺ & NH ₃ (µM) | (µg N/L) | Si (µg Si/L) | TDP (µM) | (µg P/L) | TDN (µM) | (µg N/L) | TOC (mgC/L) | TSS (mg/L) | Turbidity (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL |
|---------|--------------|----------------|---------------------------------------|----------|---|----------|--|----------|-----------------|-------------|----------|-------------|----------|----------------|---------------|--------------------|----------------|-------------------|--------------|--------------|-------------|---------------------|---|
| DSW40" | 07/08/99 | | 3.1 | 97 | 41 | 576 | 0.03 | 0.4 | 88 | 2468 | 3.2 | 99 | 44 | 621 | 0.67 | 0.80 | | 2.25 | 34.414 | 8.3 | 7.52 | 0.93 | |
| DSW40" | 07/12/99 | | 3.0 | 93 | 41 | 573 | 0.07 | 1.0 | 81 | 2288 | 3.2 | 98 | 44 | 610 | 0.66 | 0.78 | | 2.43 | 34.400 | 7.4 | 7.51 | 0.97 | |
| DSW40" | 07/20/99 | | 3.1 | 95 | 41 | 573 | 0.14 | 2.0 | 85 | 2387 | 3.2 | 98 | 44 | 611 | 0.69 | 0.90 | | 2.46 | 34.395 | 10.8 | 7.52 | 1.04 | |
| DSW40" | 07/27/99 | | 3.1 | 95 | 41 | 571 | 0.27 | 3.8 | 80 | 2260 | 3.3 | 101 | 42 | 595 | 0.65 | 0.35 | | 2.38 | 34.385 | 10.0 | 7.56 | 1.07 | |
| DSW40" | 08/05/99 | | 3.1 | 97 | 43 | 599 | 0.24 | 3.4 | 81 | 2269 | 3.4 | 105 | 42 | 595 | 0.66 | 0.43 | | 2.40 | 34.394 | 7.8 | 7.56 | 1.05 | |
| DSW40" | 08/11/99 | | 3.0 | 94 | 42 | 585 | 0.13 | 1.8 | 83 | 2318 | 3.2 | 99 | 42 | 590 | 0.63 | 0.82 | | 2.23 | 34.408 | 8.4 | 7.74 | 1.05 | |
| DSW40" | 08/16/99 | | 3.1 | 94 | 41 | 567 | 0.15 | 2.1 | 80 | 2239 | 3.2 | 100 | 42 | 592 | 0.63 | 0.90 | | 2.40 | 34.404 | 8.1 | 7.62 | 1.10 | |
| DSW40" | 08/24/99 | | 3.1 | 94 | 42 | 587 | 0.02 | 0.3 | 83 | 2342 | 3.2 | 98 | 42 | 593 | 0.62 | 0.20 | | 2.43 | 34.427 | 8.6 | 7.55 | 1.06 | |
| DSW40" | 08/31/99 | | 3.0 | 93 | 41 | 573 | 0.04 | 0.6 | 82 | 2311 | 3.1 | 97 | 44 | 612 | 0.61 | 1.03 | | 2.33 | 34.420 | 10.9 | 7.63 | 1.06 | |
| DSW40" | 09/08/99 | | 3.1 | 95 | 42 | 587 | 0.02 | 0.3 | 83 | 2320 | 3.3 | 103 | 43 | 603 | 0.61 | 0.90 | | 2.41 | 34.404 | 8.3 | 7.59 | 1.06 | |
| DSW40" | 09/15/99 | | 3.1 | 96 | 40 | 566 | 0.04 | 0.6 | 80 | 2236 | 3.3 | 102 | 42 | 592 | 0.59 | 0.52 | | 2.38 | 34.401 | 8.1 | 7.59 | 1.06 | |
| DSW40" | 09/20/99 | | 3.0 | 94 | 42 | 589 | 0.03 | 0.4 | 82 | 2299 | 3.3 | 101 | 44 | 613 | 0.63 | 1.25 | | 2.24 | 34.412 | 10.3 | 7.61 | 1.09 | |
| DSW40" | 09/30/99 | | 3.0 | 92 | 40 | 563 | 0.09 | 1.3 | 82 | 2297 | 3.2 | 98 | 45 | 632 | 0.61 | 0.82 | | 2.37 | 34.382 | 10.3 | 7.61 | 1.06 | |
| DSW40" | 10/12/99 | | 2.9 | 90 | 41 | 574 | 0.17 | 2.4 | 79 | 2231 | 3.1 | 95 | 42 | 590 | 0.62 | 1.05 | | 2.25 | 34.424 | 8.1 | 7.56 | 1.15 | |
| DSW40" | 11/03/99 | | 3.0 | 93 | 41 | 578 | 0.10 | 1.4 | 89 | 2494 | 3.2 | 98 | 43 | 603 | 0.60 | 0.48 | | 2.26 | 34.403 | 8.4 | 7.58 | 1.11 | |
| DSW40" | 12/15/99 | | 3.0 | 92 | 40 | 557 | 0.04 | 0.6 | 81 | 2264 | 3.2 | 98 | 41 | 575 | 0.68 | 5.50 | | 2.24 | 34.358 | 9.2 | 7.54 | 1.15 | |
| DSW40" | 01/10/00 | | 3.1 | 94 | 43 | 595 | 0.15 | 2.1 | 89 | 2486 | 3.1 | 95 | 43 | 602 | 0.61 | 0.63 | | 2.31 | 34.457 | 8.8 | 7.55 | 1.56 | |
| DSW40" | 02/07/00 | | 3.1 | 96 | 41 | 578 | 0.25 | 3.5 | 80 | 2259 | 3.3 | 101 | 42 | 588 | 0.68 | 0.98 | | 2.31 | 34.331 | 8.6 | 7.57 | 1.25 | |
| DSW40" | 03/01/00 | | 3.2 | 98 | 42 | 587 | 0.16 | 2.2 | 88 | 2480 | 3.3 | 102 | 42 | 595 | 0.63 | 0.88 | | 2.35 | 34.403 | 8.0 | 7.57 | 1.20 | |
| DSW40" | 04/10/00 | | 3.1 | 95 | 41 | 576 | 0.06 | 0.8 | 86 | 2425 | 3.1 | 95 | 44 | 613 | 0.71 | 0.80 | | 2.34 | 34.393 | 10.3 | 7.57 | 1.21 | |
| DSW40" | 05/15/00 | | 3.0 | 94 | 41 | 571 | 0.04 | 0.6 | 84 | 2345 | 3.2 | 98 | 44 | 614 | 0.64 | 1.00 | | 2.28 | 34.367 | 7.6 | 7.59 | 1.12 | |
| DSW40" | 06/06/00 | | 3.1 | 94 | 42 | 585 | 0.04 | 0.6 | 83 | 2334 | 3.1 | 97 | 44 | 614 | 0.68 | 1.05 | | 2.32 | 34.334 | 7.5 | 7.54 | 1.00 | |
| DSW40" | 07/26/00 | | 3.1 | 96 | 42 | 581 | 0.03 | 0.4 | 91 | 2545 | 3.2 | 100 | 43 | 598 | 0.66 | 1.20 | | 2.39 | 34.399 | 7.7 | 7.57 | 1.04 | |
| DSW40" | 08/30/00 | | 3.0 | 94 | 42 | 584 | 0.03 | 0.4 | 83 | 2320 | 3.2 | 98 | 43 | 595 | 0.64 | 0.98 | | 2.32 | 34.364 | 8.0 | 7.54 | 1.03 | |
| DSW40" | 09/06/00 | | 3.1 | 95 | 42 | 585 | 0.02 | 0.3 | 89 | 2508 | 3.2 | 98 | 43 | 596 | 0.64 | 0.17 | | 2.55 | 34.411 | 6.9 | 7.53 | 1.03 | |
| DSW40" | 10/20/00 | | 3.1 | 95 | 42 | 592 | 0.06 | 0.8 | 82 | 2295 | 3.1 | 97 | 45 | 625 | 0.66 | 1.03 | | 2.57 | 34.393 | 8.9 | 7.59 | 1.00 | |
| DSW40" | 11/14/00 | | 3.1 | 96 | 43 | 599 | 0.14 | 2.0 | 85 | 2390 | 3.3 | 101 | 44 | 622 | 0.73 | 0.77 | | 2.22 | 34.402 | 10.9 | 7.55 | 0.98 | |
| DSW40" | 12/20/00 | | 3.1 | 96 | 43 | 605 | 0.30 | 4.2 | 89 | 2488 | 3.2 | 100 | 45 | 630 | 0.78 | 0.48 | | 2.48 | 34.409 | 7.6 | 7.55 | 0.96 | |
| DSW40" | 01/23/01 | | 2.9 | 91 | 40 | 562 | 0.02 | 0.3 | 84 | 2364 | 3.2 | 98 | 43 | 609 | 0.70 | 0.85 | | 2.36 | 34.359 | 7.6 | 7.53 | 0.91 | |
| DSW40" | 02/05/01 | | 3.1 | 94 | 43 | 601 | 0.07 | 1.0 | 85 | 2390 | 3.2 | 99 | 44 | 612 | 0.70 | 0.90 | | 2.39 | 34.393 | 6.9 | 7.53 | 0.90 | |
| DSW40" | 03/05/01 | | 3.0 | 93 | 43 | 600 | 0.03 | 0.4 | 86 | 2421 | 3.2 | 99 | 43 | 603 | 0.70 | 0.40 | | 2.42 | 34.365 | 7.6 | 7.50 | 0.86 | |
| DSW40" | 04/16/01 | | 3.1 | 94 | 42 | 591 | 0.01 | 0.1 | 85 | 2379 | 3.2 | 98 | 42 | 586 | 0.60 | 0.55 | | 2.37 | 34.368 | 7.8 | 7.53 | 0.98 | |
| DSW40" | 05/09/01 | | 3.1 | 95 | 41 | 577 | 0.29 | 4.1 | 81 | 2275 | 3.2 | 99 | 43 | 599 | 0.73 | 1.13 | | 2.26 | 34.371 | 7.7 | 7.51 | 0.96 | |
| DSW40" | 06/08/01 | | 3.0 | 94 | 41 | 577 | 0.04 | 0.6 | 84 | 2345 | 3.1 | 95 | 45 | 625 | 0.66 | 0.85 | | 2.26 | 34.371 | 7.4 | nd | 0.95 | |
| DSW40" | 07/24/01 | | 3.1 | 95 | 41 | 571 | 0.02 | 0.3 | 80 | 2258 | 3.2 | 100 | 44 | 620 | 0.59 | 1.03 | | 2.30 | 34.405 | 8.9 | 7.51 | 0.08 | |
| DSW40" | 08/22/01 | | 3.1 | 97 | 40 | 566 | 0.03 | 0.4 | 77 | 2149 | 3.3 | 101 | 44 | 614 | 0.61 | 0.73 | | 2.35 | 34.388 | 8.3 | 7.49 | 0.91 | |
| DSW40" | 09/16/01 | | 3.1 | 97 | 41 | 578 | 0.09 | 1.3 | 81 | 2272 | 3.3 | 102 | 45 | 631 | 0.61 | 0.45 | | 2.34 | 34.403 | 8.6 | 7.53 | 0.87 | |
| DSW40" | 10/09/01 | | 3.1 | 97 | 41 | 578 | 0.09 | 1.3 | 81 | 2272 | 3.3 | 102 | 45 | 636 | 0.63 | 0.88 | | 2.33 | 34.409 | 10.1 | 7.52 | 0.96 | |
| DSW40" | 11/06/01 | | 3.3 | 102 | 42 | 594 | 0.02 | 0.3 | 81 | 2262 | 3.4 | 106 | 44 | 612 | 0.63 | 1.30 | | 2.32 | 34.420 | 7.1 | 7.53 | 0.99 | |
| DSW40" | 12/18/01 | | 3.0 | 93 | 40 | 562 | 0.20 | 2.8 | 82 | 2300 | 3.0 | 94 | 42 | 595 | 0.61 | 1.05 | | 2.31 | 34.391 | 7.3 | 7.52 | 0.99 | |
| DSW40" | 01/06/02 | | 3.2 | 98 | 42 | 595 | 0.26 | 3.6 | 84 | 2370 | 3.3 | 102 | 42 | 594 | 0.86 | 0.53 | | 2.31 | 34.402 | 7.0 | 7.55 | 0.90 | |
| DSW40" | 02/27/02 | | 3.1 | 97 | 41 | 576 | 0.08 | 1.1 | 82 | 2299 | 3.3 | 102 | 42 | 593 | 0.68 | 0.35 | | 2.34 | 34.387 | 8.6 | 7.54 | 1.07 | |
| DSW40" | 03/19/02 | | 3.1 | 97 | 42 | 585 | 0.11 | 1.5 | 82 | 2307 | 3.2 | 100 | 42 | 594 | 0.70 | 0.75 | | 2.39 | 34.378 | 7.7 | 7.55 | 1.04 | |
| DSW40" | 04/09/02 | | 3.2 | 98 | 43 | 603 | 0.04 | 0.6 | 92 | 2591 | 3.3 | 103 | 42 | 584 | 0.57 | 0.45 | | 2.39 | 34.418 | 7.2 | 7.52 | 0.93 | |
| DSW40" | 05/21/02 | | 3.2 | 98 | 42 | 590 | 0.10 | 1.4 | 84 | 2368 | 3.3 | 103 | 42 | 585 | 0.58 | 0.63 | | 2.37 | 34.417 | 7.6 | 7.54 | 1.11 | |
| DSW40" | 06/18/02 | | 3.0 | 94 | 41 | 571 | 0.05 | 0.7 | 81 | 2283 | 3.2 | 99 | 43 | 596 | 0.53 | 0.90 | | 2.38 | 34.375 | 7.1 | 7.55 | 1.28 | |
| DSW40" | 07/17/02 | | 3.1 | 95 | 41 | 580 | 0.01 | 0.1 | 86 | 2410 | 3.2 | 100 | 45 | 628 | 0.60 | 0.90 | | 2.38 | 34.395 | 7.1 | 7.56 | 1.19 | |
| DSW40" | 08/22/02 | | 3.1 | 95 | 41 | 575 | 0.08 | 1.1 | 84 | 2367 | 3.2 | 99 | 41 | 568 | 0.58 | 0.77 | | 2.41 | 34.356 | 9.0 | 7.54 | 1.23 | |
| DSW40" | 09/24/02 | | 3.1 | 96 | 42 | 591 | 0.17 | 2.4 | 88 | 2459 | 3.2 | 100 | 41 | 572 | 0.54 | 0.55 | | 2.39 | 34.376 | 6.9 | 7.57 | 3.23 | |
| DSW40" | 10/16/02 | | 3.1 | 97 | 39 | 546 | 0.25 | 3.5 | 86 | 2408 | 3.3 | 102 | 42 | 586 | 0.62 | 0.75 | | 2.40 | 34.378 | 9.8 | 7.56 | 0.71 | |
| DSW40" | 11/06/02 | | 3.1 | 94 | 42 | 581 | 0.14 | 2.0 | 82 | 2314 | 3.2 | 100 | 40 | 558 | 0.60 | 0.85 | | 2.38 | 34.360 | 8.5 | 7.55 | 0.89 | |
| DSW40" | 12/19/02 | | 3.1 | 96 | 42 | 585 | 0.07 | 1.0 | 84 | 2363 | 3.2 | 98 | 41 | 568 | 0.60 | 0.77 | | 2.37 | 34.395 | 8.6 | 7.55 | 0.66 | |
| DSW40" | 01/29/03 | | 3.1 | 96 | 43 | 599 | 0.08 | 1.1 | 108 | 3028 | 3.3 | 102 | 39 | 546 | 0.52 | 0.65 | | 2.39</ | | | | | |

NELHA Water Quality Laboratory
DSW 40"
Intake Depth: 674 m, Offshore Pipe Length: 1,916 m

| SITE ID | DATE MD/Y | TIME (2400) | PO ₄ ³⁻ (μM) | (μg P/L) | NO ₃ ⁻ & NO ₂ ⁻ (μM) | (μg N/L) | NH ₄ ⁺ & NH ₃ (μM) | (μg N/L) | Si (μg Si/L) | TDP (μM) | (μg P/L) | TDN (μM) | (μg N/L) | TOC (mgC/L) | TSS (mg/L) | Turbidity (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL | | |
|---------|--------------|----------------|---------------------------------------|----------|---|----------|--|----------|-----------------|-------------|----------|-------------|----------|----------------|---------------|--------------------|----------------|-------------------|--------------|--------------|-------------|---------------------|---|------|------|
| DSW40" | 07/31/03 | | 3.1 | 96 | 42 | 592 | 0.05 | 0.7 | 87 | 2452 | 3.3 | 101 | 49 | 684 | | 0.85 | | 2.27 | 34.371 | 10.0 | 7.55 | 1.19 | | | |
| DSW40" | 08/27/03 | | 3.1 | 94 | 39 | 548 | 0.07 | 1.0 | 80 | 2259 | 3.2 | 100 | 50 | 698 | | 0.68 | | 2.27 | 34.395 | 9.0 | 7.59 | 0.95 | | | |
| DSW40" | 09/17/03 | | 3.1 | 97 | 40 | 563 | 0.09 | 1.3 | 81 | 2265 | 3.3 | 103 | 44 | 615 | | 3.18 | | 2.33 | 34.390 | 8.8 | 7.53 | 0.84 | | | |
| DSW40" | 10/07/03 | | 3.1 | 95 | 41 | 573 | 0.25 | 3.5 | 82 | 2309 | 3.3 | 101 | 51 | 707 | | 1.18 | | 2.33 | 34.400 | 7.7 | 7.54 | NO DATA | | | |
| DSW40" | 11/04/03 | | 3.1 | 94 | 38 | 530 | 0.05 | 0.7 | 94 | 2644 | 3.2 | 99 | 44 | 612 | | 0.75 | | 2.31 | 34.414 | 8.1 | 7.56 | NO DATA | | | |
| DSW40" | 11/14/03 | | | | | | | | | | | 0 | | 0 | | | | | | | 7.5 | | 1.00 | | |
| DSW40" | 12/16/03 | | 3.0 | 93 | 41 | 573 | 0.50 | 7.0 | 81 | 2262 | 3.3 | 103 | 45 | 626 | | 1.25 | | 2.04 | 34.411 | 7.7 | 7.53 | 1.72 | | | |
| DSW40" | 01/27/04 | | 3.0 | 94 | 41 | 574 | 0.30 | 4.2 | 79 | 2211 | 3.3 | 102 | 45 | 630 | | 0.75 | | 2.14 | 34.394 | 9.6 | 7.53 | 1.24 | | | |
| DSW40" | 02/10/04 | | 3.0 | 93 | 41 | 569 | 0.07 | 1.0 | 80 | 2250 | 3.3 | 102 | 44 | 611 | | 1.08 | | 2.20 | 34.395 | 8.9 | 7.53 | 1.24 | | | |
| DSW40" | 03/15/04 | | 3.2 | 99 | 40 | 561 | 0.12 | 1.7 | 83 | 2337 | 3.4 | 104 | 46 | 646 | | 0.38 | | 2.25 | 34.448 | 9.9 | 7.54 | 0.87 | | | |
| DSW40" | 04/21/04 | | 3.1 | 96 | 42 | 586 | 0.30 | 4.2 | 86 | 2405 | 3.2 | 99 | 44 | 621 | | 1.05 | | 2.34 | 34.402 | 8.7 | 7.54 | 1.28 | | | |
| DSW40" | 05/12/04 | | 3.1 | 95 | 40 | 563 | 0.20 | 2.8 | 83 | 2333 | 3.3 | 103 | 44 | 622 | | 0.65 | | 2.34 | 33.540 | 10.0 | 7.56 | 1.39 | | | |
| DSW40" | 06/07/04 | | 3.0 | 93 | 40 | 561 | 0.15 | 2.1 | 78 | 2180 | 3.2 | 99 | 45 | 628 | | 0.80 | | 2.32 | 33.390 | 8.7 | 7.53 | 1.71 | | | |
| DSW40" | 07/08/04 | | 3.0 | 92 | 40 | 567 | 0.19 | 2.7 | 85 | 2385 | 3.2 | 98 | 44 | 612 | 0.55 | 2.60 | | 2.40 | 33.340 | 10.7 | 7.55 | 1.44 | | | |
| DSW40" | 08/24/04 | | 3.0 | 92 | 40 | 563 | 0.27 | 3.8 | 75 | 2110 | 3.1 | 96 | 43 | 607 | | 0.92 | | 2.39 | 33.320 | 9.1 | 7.55 | 1.35 | | | |
| DSW40" | 09/02/04 | | 3.1 | 94 | 41 | 573 | 0.10 | 1.4 | 90 | 2526 | 3.2 | 98 | 45 | 629 | | 0.35 | | 2.37 | 33.400 | 7.7 | 7.55 | 1.69 | | | |
| DSW40" | 10/01/04 | | 3.0 | 92 | 40 | 559 | 0.11 | 1.5 | 89 | 2508 | 3.2 | 99 | 48 | 666 | | 0.93 | | 2.37 | 33.390 | 8.8 | 7.59 | 1.26 | | | |
| DSW40" | 11/08/04 | | 3.0 | 93 | 41 | 570 | 0.14 | 2.0 | 89 | 2499 | 3.2 | 99 | 48 | 671 | | 0.55 | | 2.37 | 33.290 | 8.1 | 7.55 | 1.61 | | | |
| DSW40" | 12/07/04 | | 3.0 | 94 | 42 | 582 | 0.21 | 2.9 | 93 | 2610 | 3.2 | 98 | 49 | 682 | | 0.98 | | 2.37 | 33.330 | 8.3 | 7.58 | 1.59 | | | |
| DSW40" | 01/11/05 | | 3.1 | 94 | 42 | 591 | 0.04 | 0.6 | 95 | 2676 | 3.4 | 104 | 45 | 627 | | 0.60 | | 2.40 | 34.431 | 8.1 | 7.63 | 1.61 | | | |
| DSW40" | 02/08/05 | | 3.1 | 95 | 43 | 596 | 0.04 | 0.6 | 90 | 2523 | 3.3 | 103 | 49 | 686 | | 1.25 | | 2.41 | 34.396 | 7.9 | 7.62 | 1.69 | | | |
| DSW40" | 03/23/05 | | 3.0 | 91 | 41 | 568 | 0.20 | 2.8 | 90 | 2538 | 3.2 | 98 | 45 | 627 | 0.85 | 0.90 | | 2.40 | 34.335 | 9.9 | 7.61 | 1.54 | 2 | 109 | |
| DSW40" | 03/23/05 | | 3.0 | 93 | 40 | 566 | 0.18 | 2.5 | 92 | 2577 | 3.2 | 99 | 44 | 620 | 0.76 | 0.73 | | 2.40 | 34.337 | 5.8 | 7.61 | 1.25 | 1 | 2036 | |
| DSW40" | 04/21/05 | | 3.0 | 94 | 40 | 560 | 0.21 | 2.9 | 90 | 2538 | 3.2 | 98 | 40.8 | 572 | | 0.65 | | 2.34 | 34.385 | 5.9 | 7.61 | 1.24 | 1 | 667 | |
| DSW40" | 04/21/05 | | 3.0 | 94 | 41 | 571 | 0.21 | 2.9 | 90 | 2532 | 3.2 | 98 | 42 | 582 | | 0.80 | | 2.36 | 34.362 | 9.1 | 7.61 | 1.66 | 1 | 61 | |
| DSW40" | 05/26/05 | 925 | 3.0 | 92 | 40 | 560 | 0.20 | 2.8 | 82 | 2300 | 3.2 | 98 | 42.1 | 590 | | 2.13 | | 2.36 | 34.335 | 6.2 | 7.57 | 1.25 | <1 | 253 | |
| DSW40" | 05/26/05 | | 905 | 2.9 | 91 | 39 | 542 | 0.21 | 2.9 | 81 | 2275 | 3.1 | 96 | 41 | 577 | | 1.25 | | 2.36 | 34.320 | 12.1 | 7.57 | 1.56 | 1 | 58 |
| DSW40" | 06/16/05 | | 917 | 3.0 | 94 | 40 | 562 | 0.43 | 6.0 | 92 | 2575 | 3.2 | 98 | 43.0 | 603 | | 1.38 | | 2.37 | 34.416 | 5.7 | 7.58 | 1.26 | 1 | 136 |
| DSW40" | 06/16/05 | | 840 | 2.9 | 91 | 40 | 554 | 0.43 | 6.0 | 83 | 2331 | 3.0 | 94 | 43 | 598 | | 0.98 | | 2.35 | 34.346 | 10.5 | 7.58 | 1.54 | 1 | 136 |
| DSW40" | 07/27/05 | | 825 | 3.0 | 94 | 39 | 551 | 0.06 | 0.8 | 87 | 2450 | 3.2 | 99 | 42 | 595 | 0.66 | 1.18 | | 2.38 | 34.385 | 12.1 | 7.60 | 1.48 | <1 | 25 |
| DSW40" | 07/27/05 | | 909 | 3.0 | 94 | 40 | 558 | 0.04 | 0.6 | 89 | 2506 | 3.3 | 101 | 41.7 | 584 | 0.67 | 0.18 | | 2.37 | 34.386 | 5.9 | 7.60 | no data | <1 | 58 |
| DSW40" | 08/11/05 | | 740 | 3.0 | 94 | 41 | 568 | 0.26 | 3.6 | 89 | 2502 | 3.2 | 99 | 44 | 613 | 0.71 | 1.50 | | 2.40 | 34.411 | 11.9 | 7.62 | 1.46 | 2 | 214 |
| DSW40" | 08/11/05 | | 825 | 3.0 | 93 | 39 | 549 | 0.25 | 3.5 | 88 | 2468 | 3.2 | 98 | 42.3 | 592 | 0.54 | 1.75 | | 2.40 | 34.418 | 5.9 | 7.62 | 1.26 | <1 | 36 |
| DSW40" | 09/14/05 | | 808 | 3.1 | 95 | 41 | 577 | 0.33 | 4.6 | 90 | 2521 | 3.4 | 104 | 42 | 587 | 1.05 | 1.73 | | 2.36 | 34.409 | 10.0 | 7.60 | 1.61 | <1 | 58 |
| DSW40" | 09/14/05 | | 855 | 3.1 | 95 | 40 | 566 | 0.28 | 3.9 | 90 | 2521 | 3.3 | 101 | 43.9 | 615 | 0.59 | 1.33 | | 2.36 | 34.430 | 5.9 | 7.60 | 1.21 | 1 | 1 |
| DSW40" | 10/10/05 | | 912 | 3.0 | 94 | 42 | 587 | 0.26 | 3.6 | 86 | 2409 | 3.2 | 99 | 44 | 623 | 0.61 | 0.80 | | 2.38 | 34.361 | 8.5 | 7.61 | 1.41 | <1 | 67 |
| DSW40" | 10/10/05 | | 942 | 3.1 | 95 | 42 | 588 | 0.25 | 3.5 | 86 | 2419 | 3.2 | 99 | 43.4 | 608 | 0.76 | 1.78 | | 2.40 | 34.739 | 6.3 | 7.61 | 1.14 | <1 | 39 |
| DSW40" | 11/02/05 | | 802 | 3.0 | 94 | 42 | 590 | 0.27 | 3.8 | 87 | 2445 | 3.2 | 100 | 45 | 632 | 0.75 | 1.33 | | 2.60 | 34.396 | 8.4 | 7.61 | 1.53 | 77 | 558 |
| DSW40" | 11/02/05 | | 834 | 3.1 | 94 | 41 | 581 | 0.24 | 3.4 | 92 | 2577 | 3.3 | 102 | 44.1 | 618 | 0.85 | 3.00 | | 3.00 | 34.397 | 6.3 | 7.60 | 1.23 | 30 | 119 |
| DSW40" | 12/20/05 | | 809 | 3.0 | 94 | 41 | 576 | 0.38 | 5.3 | 87 | 2431 | 3.2 | 98 | 43 | 601 | 0.79 | 1.13 | | 2.67 | 34.371 | 7.4 | 7.62 | 1.57 | 163 | 1178 |
| DSW40" | 12/20/05 | | 839 | 3.0 | 94 | 41 | 577 | 0.38 | 5.3 | 88 | 2460 | 3.2 | 99 | 43.3 | 606 | 0.71 | 1.45 | | 2.64 | 34.375 | 6.2 | 7.63 | 1.38 | 101 | 1119 |
| DSW40" | 01/26/06 | | 854 | 3.0 | 93 | 41 | 568 | 0.25 | 3.5 | 88 | 2481 | 3.1 | 96 | 42.4 | 594 | | 1.40 | | 2.31 | 34.365 | 6.4 | 7.58 | 1.12 | 1 | 131 |
| DSW40" | 01/26/06 | | 937 | 3.0 | 93 | 41 | 579 | 0.23 | 3.2 | 89 | 2494 | 3.2 | 98 | 44 | 623 | | 1.20 | | 2.27 | 34.378 | 9.1 | 7.59 | 1.35 | 20 | 75 |
| DSW40" | 02/28/06 | | 915 | 3.1 | 96 | 41 | 571 | 0.30 | 4.2 | 86 | 2406 | 3.4 | 106 | 43.4 | 608 | 0.63 | 0.63 | | 2.27 | 34.355 | 6.5 | 7.60 | 1.00 | 6 | 328 |
| DSW40" | 02/28/06 | | 820 | 3.1 | 94 | 40 | 566 | 0.28 | 3.9 | 98 | 2744 | 3.5 | 107 | 44 | 622 | | 0.88 | | 2.28 | 34.348 | 9.8 | 7.60 | 1.05 | 3 | 267 |
| DSW40" | 03/23/06 | | 900 | 3.0 | 93 | 40 | 558 | 0.38 | 5.3 | 92 | 2597 | 3.2 | 100 | 41.3 | 578 | | 2.60 | | 2.23 | 34.345 | 6.2 | 7.58 | 1.15 | 7 | 281 |
| DSW40" | 03/23/06 | | 820 | 3.0 | 92 | 40 | 556 | 0.41 | 5.7 | 88 | 2457 | 3.2 | 98 | 42 | 590 | | 0.82 | | 2.25 | 34.318 | 8.6 | 7.59 | 1.11 | 3 | 42 |
| DSW40" | 04/18/06 | | 954 | 3.1 | 95 | 43 | 599 | 0.17 | 2.4 | 85 | 2373 | 3.3 | 103 | 41.3 | 578 | 0.72 | 1.50 | | 2.35 | 34.387 | 6.8 | 7.59 | 1.13 | 2 | 78 |
| DSW40" | 04/18/06 | | 857 | 3.0 | 94 | 40 | 562 | 0.17 | 2.4 | 81 | 2275 | 3.2 | 98 | 40 | 563 | 0.63 | 1.43 | | 2.41 | 34.373 | 9.5 | 7.59 | 1.07 | 2 | 64 |
| DSW40" | 05/18/06 | | 950 | 3.1 | 95 | 41 | 570 | 0.05 | 0.7 | 88 | 2463 | 3.3 | 101 | 39.0 | 546 | 0.55 | 1.25 | | 2.36 | 34.331 | 6.6 | 7.56 | 1.02 | 3 | 122 |
| DSW40" | 05/18/06 | | 905 | 3.0 | 94 | 40 | 562 | 0.05 | 0.7 | 85 | 2373 | 3.3 | 102 | 41 | 571 | 0.56 | 1.33 | | 2.36 | 34.355 | 8.9 | 7.58 | 1.39 | 6 | 97 |
| DSW40" | 06/29/06 | | 1005 | 3.0 | 93 | 41 | 574 | 0.21 | 2.9 | 83 | | | | | | | | | | | | | | | |

NELHA Water Quality Laboratory

DSW 40"

Intake Depth: 674 m, Offshore Pipe Length: 1,916 m

| SITE ID | DATE MD/Y | TIME (2400) | PO ₄ ³⁻ (µM) | (µg P/L) | NO ₂ ⁻ & NO ₃ ⁻ (µM) | (µg N/L) | NH ₄ ⁺ & NH ₃ (µM) | (µg N/L) | Si (µg Si/L) | TDP (µM) | (µg P/L) | TDN (µM) | (µg N/L) | TOC (mgC/L) | TSS (mg/L) | Turbidity (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Marine Agar CFU/100mL | Total Count CFU/100mL | |
|---------|--------------|----------------|---------------------------------------|----------|---|----------|--|----------|-----------------|-------------|----------|-------------|----------|----------------|---------------|--------------------|----------------|-------------------|--------------|--------------|-------------|---------------------|--------------------------|--------------------------|-----|
| DSW40" | 07/25/06 | 850 | 2.9 | 89 | 41 | 570 | 0.27 | 3.8 | 82 | 2300 | 3.1 | 96 | 39 | 546 | 0.56 | 1.20 | | 2.33 | 34.383 | 14.3 | 7.58 | 1.21 | 3 | 75 | |
| DSW40" | 07/25/06 | 945 | 2.9 | 89 | 41 | 580 | 0.24 | 3.4 | 84 | 2348 | 3.1 | 94 | 38.5 | 539 | 0.61 | 1.05 | 2.32 | 34.400 | 6.6 | 7.57 | 1.23 | 1 | 67 | | |
| DSW40" | 08/10/06 | 925 | 2.9 | 89 | 39 | 545 | 0.17 | 2.4 | 84 | 2356 | 3.1 | 97 | 39 | 542 | 0.54 | 0.95 | 2.31 | 34.396 | 12.6 | 7.58 | | 3 | 633 | | |
| DSW40" | 08/10/06 | 1008 | 2.9 | 90 | 40 | 564 | 0.22 | 3.1 | 84 | 2348 | 3.2 | 98 | 38.4 | 537 | 0.56 | 0.73 | 2.33 | 34.474 | 6.6 | 7.58 | 1.22 | 3 | 8 | | |
| DSW40" | 09/21/06 | 900 | 2.9 | 91 | 42 | 592 | 0.09 | 1.3 | 87 | 2455 | 3.1 | 96 | 39 | 547 | 0.52 | 0.93 | 2.33 | 34.415 | 7.7 | 7.59 | 3.32 | 27 | 39 | | |
| DSW40" | 09/21/06 | 1015 | 3.0 | 92 | 41 | 576 | 0.10 | 1.4 | 88 | 2463 | 3.2 | 98 | 38.6 | 541 | 0.56 | 1.00 | 2.34 | 34.446 | 6.8 | 7.57 | 1.32 | 16 | 56 | | |
| DSW40" | 10/26/06 | 850 | 3.0 | 92 | 44 | 611 | 0.20 | 2.8 | 86 | 2410 | 3.1 | 97 | 40 | 561 | 0.61 | 1.20 | 2.53 | 34.392 | 8.4 | 7.60 | 1.58 | 44 | 1491 | | |
| DSW40" | 10/26/06 | 950 | 3.0 | 92 | 44 | 611 | 0.38 | 5.3 | 85 | 2390 | 3.1 | 97 | 41.9 | 586 | 0.63 | 1.10 | 2.82 | 34.388 | 6.5 | 7.59 | 1.11 | 59 | 25300 | | |
| DSW40" | 11/30/06 | 925 | 2.9 | 90 | 41 | 578 | 0.20 | 2.8 | 85 | 2387 | 3.1 | 97 | 41 | 569 | 0.64 | 1.48 | 2.74 | 34.379 | 7.8 | 7.58 | 1.65 | 3 | 114 | | |
| DSW40" | 11/30/06 | 1020 | 3.0 | 92 | 42 | 581 | 0.21 | 2.9 | 84 | 2368 | 3.2 | 98 | 39.9 | 559 | 0.61 | 1.23 | 2.56 | 34.367 | 6.8 | 7.57 | 1.07 | 4 | 611 | | |
| DSW40" | 12/14/06 | 935 | 2.9 | 90 | 39 | 539 | 0.19 | 2.7 | 79 | 2210 | 3.1 | 96 | 39 | 542 | 0.53 | 1.48 | 2.71 | 34.357 | 9.7 | 7.59 | 1.70 | 243 | 458 | | |
| DSW40" | 12/14/06 | 1006 | 2.9 | 90 | 38 | 536 | 0.21 | 2.9 | 79 | 2208 | 3.1 | 95 | 38.6 | 541 | 0.59 | 1.30 | 2.72 | 34.354 | 7.0 | 7.58 | 1.06 | 229 | 394 | | |
| DSW40" | 01/11/07 | 1006 | 2.7 | 83 | 38 | 531 | 0.39 | 5.5 | 78 | 2182 | 2.9 | 89 | 40.0 | 560 | 0.63 | 1.35 | 2.24 | 34.439 | 8.7 | 7.67 | 1.92 | 176 | 1164 | | |
| DSW40" | 01/11/07 | 930 | 2.7 | 83 | 37 | 518 | 0.36 | 5.0 | 75 | 2115 | 3.1 | 95 | 40 | 565 | 0.61 | 1.53 | 2.34 | 34.437 | 9.7 | 7.66 | 2.07 | 327 | 956 | | |
| DSW40" | 02/02/07 | 930 | 2.6 | 80 | 35 | 492 | NA | NA | 72 | 2017 | 2.8 | 86 | NA | NA | | | | | 11.4 | | | | | | |
| DSW40" | 02/05/07 | 930 | 2.6 | 79 | 35 | 487 | NA | NA | 71 | 1983 | 2.7 | 85 | | | | | | | 9.4 | | 7.70 | | | | |
| DSW40" | 02/06/07 | 1425 | | | | | | | | | | | | | | | | | 7.8 | | | | | | |
| DSW40" | 02/07/07 | 1600 | | | | | | | | | | | | | | | | | 8.2 | | | | | | |
| DSW40" | 02/08/07 | 1525 | | | | | | | | | | | | | | | | | 7.7 | | | | | | |
| DSW40" | 02/15/07 | 1015 | 2.5 | 78 | 34 | 475 | 0.39 | 5.5 | 69 | 1946 | 2.8 | 86 | 39.1 | 548 | 0.71 | 1.13 | 2.08 | 34.422 | 9.8 | 7.73 | 2.17 | TNTC | 11500 | | |
| DSW40" | 02/15/07 | 930 | 2.5 | 77 | 33 | 462 | 0.32 | 4.5 | 68 | 1910 | 2.7 | 84 | 36 | 503 | 0.68 | 1.40 | 2.25 | 34.413 | 11.9 | 7.74 | 2.47 | TNTC | 10600 | | |
| DSW40" | 02/20/07 | | | | | | | | | | | | | | | | | | 6.5 | | | 61 | 209 | | |
| DSW40" | 03/08/07 | 1025 | 2.9 | 91 | 42 | 590 | 0.32 | 4.5 | 83 | 2340 | 3.1 | 96 | 45.1 | 631 | 0.57 | 1.55 | 2.36 | 34.387 | 6.6 | 7.59 | 1.19 | 147 | 400 | | |
| DSW40" | 03/08/07 | 950 | 2.9 | 90 | 40 | 556 | 0.29 | 4.1 | 80 | 2250 | 3.1 | 96 | 44 | 616 | 0.57 | 1.33 | 2.08 | 34.364 | 8.9 | 7.60 | 1.60 | 37 | 272 | | |
| DSW40" | 03/15/07 | | | | | | | | | | | | | | | | | | 6.2 | | | | | | |
| DSW40" | 04/12/07 | 1041 | 3.0 | 91 | 37 | 511 | 0.24 | 3.4 | 84 | 2345 | 3.1 | 97 | 37.4 | 524 | 0.55 | 1.73 | 2.22 | 34.392 | 6.8 | 7.59 | 1.07 | 7 | 139 | | |
| DSW40" | 04/12/07 | 930 | 2.9 | 91 | 37 | 517 | 0.13 | 1.8 | 84 | 2356 | 3.2 | 99 | 39 | 547 | 0.56 | 1.78 | 2.15 | 34.393 | 8.2 | 7.63 | 1.60 | 18 | 147 | | |
| DSW40" | 05/09/07 | 1025 | 3.0 | 92 | 45 | 628 | 0.29 | 4.1 | 85 | 2399 | 3.2 | 98 | 41.1 | 576 | 0.65 | 1.63 | 2.23 | 34.394 | 6.5 | 7.58 | 1.03 | 112 | 214 | | |
| DSW40" | 05/09/07 | 945 | 3.0 | 93 | 50 | 705 | 0.24 | 3.4 | 99 | 2780 | 3.4 | 104 | 41 | 579 | 0.66 | 1.90 | 2.06 | 34.391 | 8.7 | 7.61 | 1.55 | 207 | 381 | | |
| DSW40" | 06/27/07 | 950 | 2.9 | 91 | 44 | 621 | 1.11 | 15.6 | 81 | 2262 | 0.0 | 0.0 | 0.0 | 0.0 | | | | 1.63 | 2.54 | 34.384 | 7.0 | 7.59 | 0.99 | 85 | 342 |
| DSW40" | 06/27/07 | 900 | 3.0 | 93 | 44 | 612 | 0.01 | 0.1 | 76 | 2141 | 0.0 | 0.0 | 0 | 0 | | | | 1.33 | 2.48 | 34.391 | 8.2 | 7.61 | 1.52 | 145 | 344 |
| DSW40" | 07/30/07 | 1015 | 3.1 | 95 | 44 | 623 | 0.01 | 0.1 | 92 | 2573 | 2.4 | 75 | 40 | 560 | | | | 3.08 | 2.41 | 34.420 | 10.1 | 7.43 | 1.11 | | |
| DSW40" | 07/30/07 | 1143 | 3.0 | 93 | 44 | 616 | 0.04 | 0.5 | 85 | 2384 | 2.9 | 88 | 40.9 | 573 | | | | 3.55 | 2.48 | 34.408 | 5.9 | 7.38 | 1.24 | | |
| DSW40" | 08/29/07 | 1215 | 3.0 | 92 | 44 | 618 | 0.01 | 0.1 | 79 | 2217 | 2.8 | 85 | 43 | 609 | | | | 1.18 | 2.48 | 34.412 | 11.4 | 7.67 | 1.02 | | |
| DSW40" | 08/29/07 | 1305 | 3.0 | 92 | 44 | 615 | 0.30 | 4.2 | 81 | 2263 | 2.6 | 82 | 44.9 | 630 | | | | 1.43 | 2.45 | 34.600 | 5.8 | 8.12 | 1.06 | | |
| DSW40" | 09/24/07 | 1145 | 3.1 | 96 | 47 | 657 | 0.01 | 0.1 | 46 | 1296 | 0.0 | | 0 | | | | | 1.08 | 1.68 | 34.429 | 9.5 | 7.74 | 1.03 | | |
| DSW40" | 09/24/07 | 1355 | 3.1 | 96 | 45 | 625 | 0.01 | 0.1 | 81 | 2281 | 0.0 | | 0.0 | | | | | 1.13 | 2.38 | 34.394 | 6.4 | 8.17 | 1.15 | | |
| DSW40" | 10/30/07 | 959 | 3.1 | 95 | 43 | 608 | 0.42 | 5.9 | 78 | 2185 | 0.0 | | 0 | | | | | 0.73 | NA | 34.346 | 8.9 | 7.67 | 1.06 | | |
| DSW40" | 10/30/07 | 1131 | 3.2 | 100 | 46 | 647 | 0.01 | 0.1 | 85 | 2378 | 0.0 | | 0.0 | | | | | 0.65 | 2.55 | 34.371 | 6.1 | 7.53 | 1.17 | | |
| DSW40" | 11/27/07 | 1138 | 0.0 | 0 | 0 | 0.00 | | | | | | | | | | | | 0.75 | 2.41 | 34.401 | 10.4 | 7.65 | 1.23 | | |
| DSW40" | 11/27/07 | 1301 | 0.0 | 0 | 0 | 0.00 | | | 0 | | | | | | | | | 0.95 | 2.60 | 34.399 | 5.9 | 8.00 | 1.36 | | |
| DSW40" | 12/28/07 | 1537 | 2.5 | 77 | 39 | 543 | 0.18 | 2.5 | 95 | 2666 | 0.0 | | 0.0 | | | | | 0.58 | 2.54 | 34.409 | 6.0 | 7.69 | 1.49 | | |
| DSW40" | 12/28/07 | 1417 | 2.4 | 74 | 37 | 517 | 0.11 | 1.5 | 79 | 2223 | 0.0 | | 0 | | | | | 0.78 | 2.59 | 34.367 | 7.7 | 7.59 | 1.19 | | |
| DSW40" | 01/29/08 | 1217 | 0.0 | 0 | 0 | 0.00 | | | | | | | | | | | | 0.73 | 2.44 | 34.388 | 7.4 | 7.63 | 1.18 | | |
| DSW40" | 01/30/08 | 917 | 2.4 | 76 | 39 | 542 | 0.18 | 2.5 | 99 | 2776 | 0.0 | | 0.0 | | | | | 0.85 | 2.47 | 34.403 | 6.3 | 7.56 | 1.44 | | |
| DSW40" | 02/28/08 | 1406 | 2.9 | 89 | 43 | 595 | 0.05 | 0.7 | 80 | 2248 | 2.6 | 81 | 42.6 | 597 | | | | 0.75 | 2.47 | 34.392 | 5.9 | 7.68 | 1.24 | | |
| DSW40" | 02/28/08 | 1306 | 2.9 | 91 | 43 | 598 | 0.05 | 0.7 | 78 | 2180 | 2.7 | 82 | 45 | 626 | | | | 0.85 | 2.40 | 34.395 | 9.6 | 7.68 | 1.14 | | |
| DSW40" | 03/31/08 | 1259 | 2.9 | 89 | 43 | 597 | 0.05 | 0.7 | 77 | 2169 | 2.5 | 78 | 41.9 | 587 | | | | 2.15 | 2.46 | 34.510 | 6.0 | 7.52 | 1.47 | | |
| DSW40" | 03/31/08 | 1117 | 2.9 | 90 | 43 | 599 | 0.05 | 0.7 | 86 | 2410 | 2.6 | 80 | 43 | 603 | | | | 2.18 | 2.46 | 34.300 | 8.5 | 7.57 | 1.15 | | |
| DSW40" | 04/25/08 | 923 | 2.7 | 83 | NA | NA | 0.15 | 2.1 | 81 | 2272 | 2.6 | 81 | 39.9 | 559 | | | | 0.70 | 2.37 | 34.390 | 6.0 | 7.88 | 1.20 | | |
| DSW40" | 04/25/08 | 855 | 2.8 | 86 | NA | NA | 0.15 | 2.1 | 79 | 2228 | 2.6 | 82 | 40 | 559 | | | | 0.48 | 2.43 | 34.372 | 9.2 | 7.60 | 1.18 | | |
| DSW40" | 05/23/08 | 924 | 2.6 | 81 | 42 | 590 | 0.09 | 1.3 | NA | NA | 2.6 | 81 | 42.1 | 590 | | | | 0.40 | 2.37 | 34.386 | 6.4 | 7.64 | 1.23 | | |
| DSW40" | 05/23/08 | 1216 | 2.6 | 81 | 43 | 601 | 0.09 | 1.3 | | | 2.6 | 81 | 57 | 799 | | | | 0.93 | 2.34 | 34.407 | 9.4 | 7.64 | 1.20 | | |
| DSW40" | 06/10/08 | 940 | 2 | | | | | | | | | | | | | | | | | | | | | | |

NELHA Water Quality Laboratory

DSW 40"

Intake Depth: 674 m, Offshore Pipe Length: 1,916 m

| SITE ID | DATE MD/Y | TIME (2400) | PO ₄ ³⁻ (µM) | (µg P/L) | NO ₃ ⁻ & NO ₂ ⁻ (µM) | (µg N/L) | NH ₄ ⁺ & NH ₃ (µM) | (µg N/L) | Si (µg Si/L) | TDP (µM) | (µg P/L) | TDN (µM) | (µg N/L) | TOC (mgC/L) | TSS (mg/L) | Turbidity (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL | |
|---------|--------------|----------------|---------------------------------------|----------|---|----------|--|----------|-----------------|-------------|----------|-------------|----------|----------------|---------------|--------------------|----------------|-------------------|--------------|--------------|-------------|---------------------|---|--|
| DSW40" | 07/18/08 | 1340 | 2.6 | 81 | 43 | 601 | 0.09 | 1.3 | 69 | 1928 | 2.1 | 66 | 41 | 576 | | 0.17 | | 34.535 | 10.0 | 7.60 | 1.86 | | | |
| DSW40" | 07/18/08 | 1406 | 2.6 | 81 | 42 | 590 | 0.09 | 1.3 | 86 | 2421 | 2.0 | 61 | 42.3 | 593 | | 0.19 | | 34.442 | 7.3 | 7.77 | 1.45 | | | |
| DSW40" | 08/13/08 | 1243 | 2.3 | 72 | 34 | 474 | 0.96 | 13.4 | 61 | 1701 | 2.2 | 70 | 40 | 556 | | 0.55 | | 34.408 | 12.0 | 7.63 | NA | | | |
| DSW40" | 08/13/08 | 1202 | 2.3 | 72 | 33 | 468 | 0.46 | 6.5 | 64 | 1798 | 2.2 | 67 | 39.4 | 551 | | 0.34 | | 34.403 | 9.3 | 7.64 | NA | | | |
| DSW40" | 09/08/08 | 1008 | 2.6 | 82 | 41 | 567 | 0.06 | 0.8 | 73 | 2053 | 1.9 | 58 | 36 | 504 | | 0.22 | | 34.50 | 12.8 | 7.53 | 1.53 | | | |
| DSW40" | 09/08/08 | 1036 | 2.5 | 78 | 41 | 567 | 0.35 | 4.9 | 73 | 2058 | 1.8 | 56 | 35.6 | 499 | | 0.40 | | 34.46 | 6.1 | 7.61 | 1.67 | | | |
| DSW40" | 10/23/08 | 1203 | 2.6 | 80 | 40 | 558 | 0.30 | 4.2 | 66 | 1866 | 2.7 | 84 | 46 | 647 | | 0.30 | | 34.49 | 11.8 | 7.50 | 1.61 | | | |
| DSW40" | 10/23/08 | 1112 | 2.6 | 79 | 40 | 556 | 0.46 | 6.5 | 66 | 1865 | 2.6 | 82 | 47.4 | 664 | | 0.13 | | 34.45 | 6.2 | 7.64 | 1.71 | | | |
| DSW40" | 11/26/08 | 1120 | 2.9 | 89 | 43 | 606 | 0.23 | 3.2 | 82 | 2308 | 2.7 | 85 | 44 | 617 | | 1.19 | | 34.43 | 12.1 | 7.69 | 2.42 | | | |
| DSW40" | 11/26/08 | 1057 | 2.8 | 86 | 42 | 595 | 0.29 | 4.0 | 81 | 2265 | 2.7 | 84 | 45.5 | 638 | | 0.04 | | 34.42 | 6.6 | 7.70 | 1.26 | | | |
| DSW40" | 12/30/08 | 939 | 2.4 | 75 | 41 | 569 | 0.33 | 4.6 | 73 | 2053 | 2.6 | 81 | 42.7 | 599 | | 0.17 | | 34.56 | 8.7 | 7.60 | 1.60 | | | |
| DSW40" | 12/30/08 | 1006 | 2.4 | 75 | 40 | 562 | 0.33 | 4.6 | 89 | 2509 | 2.6 | 81 | 43 | 601 | | 0.08 | | 34.57 | 12.1 | 7.65 | 1.48 | | | |
| DSW40" | 01/12/09 | 1152 | 2.7 | 85 | 38 | 535 | 0.12 | 1.7 | 75 | 2108 | 2.7 | 82 | 47.0 | 659 | | 0.35 | | 34.360 | 8.9 | 7.71 | 1.60 | | | |
| DSW40" | 01/12/09 | 1218 | 2.8 | 86 | 39 | 539 | 0.12 | 1.7 | 70 | 1954 | 2.8 | 87 | 42 | 583 | | 0.68 | | 34.362 | 12.8 | 7.66 | 1.55 | | | |
| DSW40" | 02/20/09 | 1309 | 2.7 | 82 | 40 | 562 | 3.28 | 46.0 | 85 | 2377 | 2.9 | 91 | 46.5 | 651 | | 0.58 | 0.18 | 34.740 | 27.8 | 7.64 | 0.43 | | | |
| DSW40" | 02/20/09 | 1338 | 2.5 | 77 | 41 | 571 | 0.31 | 4.3 | 94 | 2651 | 2.8 | 85 | 46 | 643 | | 0.83 | 0.18 | 34.21 | 11.0 | 7.61 | 1.68 | | | |
| DSW40" | 03/30/09 | 1306 | 2.8 | 86 | 27 | 382 | 0.19 | 2.6 | 72 | 2016 | 2.9 | 89 | 34.2 | 479 | | 0.48 | | 34.594 | 34.0 | 7.17 | 0.02 | | | |
| DSW40" | 03/30/09 | 1333 | 2.3 | 72 | 38 | 530 | 0.06 | 0.9 | 80 | 2242 | 2.4 | 73 | 37 | 517 | | 0.46 | | 34.664 | 11.5 | 7.53 | 1.46 | | | |
| DSW40" | 04/30/09 | 1032 | 3.7 | 116 | 15 | 207 | 0.51 | 7.2 | 82 | 2292 | 3.2 | 98 | 26.0 | 365 | | 0.60 | | 34.440 | 32.3 | 7.97 | 0.05 | | | |
| DSW40" | 04/30/09 | 1046 | 2.9 | 89 | 38 | 533 | 0.43 | 6.0 | 87 | 2453 | 2.4 | 75 | 46 | 648 | | 0.53 | | 34.555 | 12.3 | 7.63 | 1.67 | | | |
| DSW40" | 05/15/09 | | | | | | | | | | | | | | | | | 34.58 | 13.6 | 7.72 | 1.47 | | | |
| DSW40" | 05/15/09 | 1415 | 3.1 | 97 | 40 | 561 | 0.19 | 2.7 | 85 | 2376 | 3.4 | 107 | 46 | 640 | | 0.37 | | 34.391 | 9.1 | 7.68 | 1.36 | | | |
| DSW40" | 06/10/09 | 1046 | 3.0 | 92 | 39 | 547 | 0.16 | 2.2 | 73 | 2062 | 2.8 | 86 | 39.5 | 553 | | 0.24 | | 34.495 | 10.1 | 7.25 | 1.35 | | | |
| DSW40" | 06/10/09 | 1234 | 3.1 | 96 | 40 | 562 | 0.16 | 2.2 | 87 | 2446 | 3.1 | 95 | 42 | 594 | | 0.25 | | | | | | | | |
| DSW40" | 07/10/09 | 1058 | 2.6 | 80 | 31 | 439 | 0.11 | 1.6 | 73 | 2039 | 2.4 | 76 | 34 | 482 | | 0.25 | | | | | | | | |
| DSW40" | 07/10/09 | 1039 | 2.6 | 80 | 31 | 429 | 0.44 | 6.2 | 59 | 1646 | 2.2 | 70 | 32.6 | 457 | | 0.54 | | 34.54 | 8.5 | 7.66 | 1.83 | | | |
| DSW40" | 08/27/09 | 1131 | 2.7 | 85 | 32 | 450 | 0.52 | 7.3 | 92 | 2571 | 2.6 | 81 | 38 | 528 | | 0.40 | 0.02 | 34.54 | 10.3 | 7.56 | 1.43 | | | |
| DSW40" | 08/27/09 | 1003 | 2.6 | 81 | 33 | 463 | 0.34 | 4.7 | 74 | 2068 | 2.4 | 74 | 36.9 | 517 | | 0.42 | 0.02 | 34.48 | 9.0 | 8.01 | 4.10 | | | |
| DSW40" | 09/17/09 | 1159 | 2.7 | 83 | 40 | 557 | 0.12 | 1.7 | 53 | 1475 | 2.9 | 90 | 42 | 583 | | 3.99 | 0.17 | 34.59 | 8.8 | 8.15 | 1.50 | | | |
| DSW40" | 09/17/09 | 1138 | 2.2 | 69 | 30 | 421 | 0.54 | 7.5 | 42 | 1170 | 2.6 | 82 | 34.2 | 479 | | 1.41 | 0.36 | 34.57 | 6.5 | 8.15 | 3.31 | | | |
| DSW40" | 10/26/09 | 1105 | 3.2 | 98 | 45 | 624 | 0.17 | 2.4 | 88 | 2469 | 3.2 | 98 | 45 | 637 | | 0.79 | | 34.53 | 9.3 | 7.57 | 1.12 | | | |
| DSW40" | 10/26/09 | 1053 | 3.0 | 93 | 43 | 607 | 0.26 | 3.6 | 86 | 2417 | 2.9 | 91 | 44.5 | 624 | | 0.46 | | 34.50 | 5.8 | 7.60 | 1.69 | | | |
| DSW40" | 11/19/09 | 1450 | 3.0 | 93 | 40 | 555 | 0.36 | 5.0 | 87 | 2445 | 3.0 | 94 | 45 | 633 | | 0.35 | | 34.61 | 9.1 | 7.49 | 1.07 | | | |
| DSW40" | 11/19/09 | 1419 | 3.1 | 96 | 40 | 555 | 0.27 | 3.8 | 86 | 2426 | 3.1 | 95 | 42.5 | 596 | | 0.23 | | 34.59 | 6.0 | 7.48 | 1.48 | | | |
| DSW40" | 12/03/09 | 928 | 3.1 | 95 | 40 | 561 | 0.34 | 4.8 | 91 | 2557 | 3.0 | 92 | 44.3 | 621 | | 0.65 | | 34.47 | 6.7 | 7.67 | 1.16 | | | |
| DSW40" | 12/03/09 | 911 | 3.1 | 95 | 40 | 560 | 0.34 | 4.8 | 91 | 2549 | 3.0 | 93 | 47 | 665 | | 0.53 | | 34.51 | 9.0 | 7.57 | 1.11 | | | |
| DSW40" | 01/14/10 | 940 | 3.1 | 97 | 41 | 580 | 0.69 | 9.6 | 85 | 2394 | 3.1 | 96 | 44.6 | 625 | | 0.33 | | 34.54 | 7.4 | 7.63 | 1.46 | | | |
| DSW40" | 01/14/10 | 830 | 3.1 | 98 | 42 | 585 | 0.72 | 10.1 | 88 | 2461 | 3.2 | 98 | 45 | 629 | | 0.33 | | 34.44 | 8.6 | 7.66 | 1.50 | | | |
| DSW40" | 02/16/10 | 1120 | 3.1 | 95 | 44 | 614 | 0.38 | 5.3 | 90 | 2517 | 3.2 | 100 | 45.5 | 638 | | 0.88 | | 34.34 | 6.8 | 7.57 | 1.09 | | | |
| DSW40" | 02/16/10 | 1055 | 3.0 | 94 | 43 | 607 | 0.28 | 3.9 | 83 | 2331 | 3.1 | 96 | 45 | 628 | | 0.25 | | 34.32 | 7.8 | 7.60 | 1.11 | | | |
| DSW40" | 03/15/10 | 917 | 3.1 | 95 | 43 | 597 | 0.10 | 1.4 | 91 | 2563 | 3.1 | 95 | 44.9 | 629 | | 1.05 | 0.06 | 34.33 | 7.3 | 7.56 | 1.05 | | | |
| DSW40" | 03/15/10 | 840 | 3.1 | 96 | 43 | 597 | 0.10 | 1.4 | 90 | 2532 | 3.1 | 97 | 45 | 625 | | 0.47 | | 34.32 | 8.5 | 7.41 | 1.02 | | | |
| DSW40" | 04/01/10 | 835 | 3.3 | 102 | 41 | 571 | 0.29 | 4.0 | 87 | 2450 | 3.0 | 94 | 43.9 | 614 | | 0.23 | 0.10 | 34.42 | 7.1 | 7.57 | 1.05 | | | |
| DSW40" | 04/01/10 | 823 | 3.3 | 101 | 41 | 576 | 0.34 | 4.7 | 90 | 2522 | 3.2 | 99 | 46 | 651 | | 1.00 | 0.17 | 34.41 | 7.8 | 7.59 | 1.24 | | | |
| DSW40" | 05/10/10 | 840 | 2.9 | 90 | 42 | 584 | 0.52 | 7.3 | 91 | 2542 | 3.0 | 92 | 42.9 | 601 | | 0.73 | 0.14 | 34.38 | 6.8 | 7.56 | 1.13 | | | |
| DSW40" | 05/10/10 | 828 | 2.9 | 90 | 42 | 587 | 0.86 | 12.0 | 94 | 2641 | 3.0 | 92 | 44 | 621 | | 1.19 | 0.07 | 34.42 | 7.8 | 7.56 | 1.19 | | | |
| DSW40" | 06/23/10 | 914 | 3.0 | 93 | 44 | 616 | 0.22 | 3.1 | 95 | 2659 | 2.9 | 91 | 45.6 | 638 | | 0.50 | 0.10 | 34.39 | 6.0 | 7.60 | 1.28 | | | |
| DSW40" | 06/23/10 | 853 | 3.0 | 92 | 44 | 617 | 0.23 | 3.2 | 95 | 2664 | 3.0 | 93 | 46 | 647 | | 0.45 | 0.15 | 34.43 | 7.5 | 7.69 | 1.29 | | | |

NELHA Water Quality Laboratory
DSW 40"
Intake Depth: 674 m, Offshore Pipe Length: 1,916 m

| SITE ID | DATE MD/Y | TIME (2400) | PO ₄ ³⁻ (µM) | (µg P/L) | NO ₃ ⁻ & NO ₂ ⁻ (µM) | (µg N/L) | NH ₄ ⁺ & NH ₃ (µM) | (µg N/L) | Si (µg Si/L) | TDP (µM) | (µg P/L) | TDN (µM) | (µg N/L) | TOC (mgC/L) | TSS (mg/L) | Turbidity (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL |
|---------|--------------|----------------|---------------------------------------|----------|---|----------|--|----------|-----------------|-------------|----------|-------------|----------|----------------|---------------|--------------------|----------------|-------------------|--------------|--------------|-------------|---------------------|---|
| DSW40" | 07/01/10 | 933 | 2.9 | 91 | 43 | 603 | 0.31 | 4.4 | 90 | 2530 | 3.0 | 94 | 48 | 666 | | 0.70 | 0.06 | 34.30 | 7.8 | 7.56 | 1.20 | | |
| DSW40" | 07/01/10 | 954 | 3.0 | 92 | 43 | 608 | 0.24 | 3.3 | 95 | 2679 | 2.9 | 91 | 45 | 638 | | 0.55 | 0.06 | 34.29 | 6.0 | 7.55 | 1.30 | | |
| DSW40" | 08/05/10 | 856 | 3.0 | 93 | 41 | 580 | 0.21 | 2.9 | 85 | 2400 | 3.0 | 94 | 45 | 625 | | 0.93 | 0.10 | 34.36 | 7.8 | 7.62 | 1.23 | | |
| DSW40" | 08/05/10 | 933 | 3.0 | 93 | 41 | 579 | 0.21 | 2.9 | 86 | 2417 | 3.0 | 94 | 44.5 | 624 | | 0.93 | 0.02 | 34.38 | 6.0 | 7.55 | 1.31 | | |
| DSW40" | 09/02/10 | 916 | 3.0 | 92 | 42 | 592 | 0.14 | 1.9 | 80 | 2237 | 3.0 | 94 | 47 | 653 | | 0.75 | 0.02 | 34.26 | 7.6 | 7.53 | 1.30 | | |
| DSW40" | 09/02/10 | 928 | 2.9 | 90 | 42 | 582 | 0.16 | 2.2 | 77 | 2169 | 3.0 | 93 | 47.2 | 661 | | 0.75 | 0.03 | 34.17 | 7.1 | 7.54 | 1.37 | | |
| DSW40" | 10/18/10 | 917 | 3.1 | 96 | 44 | 621 | 0.10 | 1.4 | 87 | 2448 | 3.2 | 99 | 46 | 646 | | 0.50 | 0.10 | 34.18 | 7.2 | 7.59 | 1.48 | | |
| DSW40" | 10/18/10 | 923 | 3.1 | 96 | 44 | 614 | 0.13 | 1.8 | 86 | 2405 | 3.2 | 100 | 47.4 | 663 | | 0.45 | 0.12 | 34.18 | 6.3 | 7.57 | 1.54 | | |
| DSW40" | 11/04/10 | 925 | 2.9 | 90 | 42 | 585 | 0.06 | 0.9 | 84 | 2364 | 3.0 | 92 | 45 | 636 | | 0.35 | 0.05 | 34.40 | 8.3 | 7.60 | 1.30 | | |
| DSW40" | 11/04/10 | 945 | 2.9 | 90 | 42 | 583 | 0.19 | 2.6 | 80 | 2257 | 3.0 | 92 | 45.4 | 636 | | 0.60 | 0.07 | 34.39 | 6.5 | 7.58 | 1.34 | | |
| DSW40" | 12/01/10 | 947 | 3.0 | 93 | 43 | 601 | 0.01 | 0.1 | 90 | 2522 | 2.9 | 90 | 49.6 | 695 | | 0.27 | 0.10 | 34.31 | 6.3 | 7.58 | 1.24 | | |
| DSW40" | 12/01/10 | 921 | 3.0 | 92 | 43 | 601 | 0.05 | 0.7 | 87 | 2454 | 2.9 | 90 | 50 | 695 | | 0.40 | 0.05 | 34.34 | 8.0 | 7.61 | 1.17 | | |
| DSW40" | 01/25/11 | 939 | 3.1 | 97 | 43 | 599 | 0.37 | 5.2 | 87 | 2431 | 3.1 | 95 | 47.4 | 664 | | 0.57 | 0.07 | 34.35 | 6.3 | 7.56 | 1.21 | | |
| DSW40" | 01/25/11 | 914 | 3.1 | 97 | 43 | 603 | 0.29 | 4.1 | 88 | 2460 | 3.1 | 95 | 47 | 664 | | 0.65 | 0.04 | 34.35 | 7.7 | 7.54 | 1.56 | | |
| DSW40" | 02/08/11 | 955 | 3.2 | 99 | 43 | 606 | 0.54 | 7.5 | 90 | 2515 | 3.3 | 102 | 47.6 | 667 | | 0.60 | 0.08 | 34.39 | 6.1 | 7.66 | 1.34 | | |
| DSW40" | 02/08/11 | 936 | 3.2 | 98 | 43 | 604 | 0.45 | 6.3 | 89 | 2493 | 3.3 | 101 | 46 | 646 | | 0.68 | 0.06 | 34.39 | 8.1 | 7.66 | 1.32 | | |
| DSW40" | 03/07/11 | 1042 | 3.2 | 98 | 43 | 597 | 0.42 | 5.9 | 88 | 2481 | 3.2 | 98 | 44.9 | 629 | | 0.50 | 0.08 | 34.38 | 6.2 | 7.56 | 1.46 | | |
| DSW40" | 03/07/11 | 1023 | 3.1 | 97 | 43 | 597 | 0.38 | 5.3 | 90 | 2527 | 3.2 | 100 | 44 | 623 | | 0.58 | 0.10 | 34.38 | 7.8 | 7.60 | 1.40 | | |
| DSW40" | 04/11/11 | 1046 | 3.1 | 95 | 44 | 621 | 0.11 | 1.5 | 94 | 2638 | 3.1 | 95 | 50.3 | 705 | | 0.59 | 0.05 | 34.62 | 6.0 | 7.64 | 1.20 | | |
| DSW40" | 04/11/11 | 948 | 3.0 | 94 | 45 | 626 | 0.06 | 0.9 | 87 | 2447 | 3.0 | 92 | 50 | 704 | | 0.56 | 0.13 | 34.62 | 7.9 | 7.62 | 1.36 | | |
| DSW40" | 05/25/11 | 1150 | 3.0 | 94 | 43 | 603 | 0.29 | 4.1 | 85 | 2390 | 3.0 | 93 | 46.4 | 650 | | 0.70 | 0.08 | 34.39 | 7.3 | 7.60 | 1.87 | | |
| DSW40" | 05/25/11 | 849 | 3.0 | 93 | 43 | 608 | 0.19 | 2.7 | 87 | 2443 | 3.1 | 95 | 47 | 658 | | 0.51 | 0.08 | 34.37 | 8.0 | 7.64 | 2.49 | | |
| DSW40" | 06/01/11 | 947 | 3.0 | 93 | 44 | 615 | 0.16 | 2.3 | 84 | 2366 | 3.0 | 93 | 47.8 | 670 | | 0.84 | 0.03 | 34.33 | 6.1 | 7.60 | 1.70 | | |
| DSW40" | 06/13/11 | 924 | 3.0 | 93 | 43 | 600 | 0.11 | 1.5 | 85 | 2395 | 3.0 | 92 | 48 | 673 | | 0.63 | 0.08 | 34.36 | 8.8 | 7.63 | 1.69 | | |
| DSW40" | 07/21/11 | 818 | 3.1 | 98 | 42 | 592 | 0.14 | 1.9 | 89 | 2500 | 3.2 | 98 | 46 | 649 | | 0.69 | 0.02 | 34.35 | 8.3 | 7.57 | 1.30 | | |
| DSW40" | 07/21/11 | 847 | 3.2 | 99 | 42 | 594 | 0.19 | 2.7 | 85 | 2394 | 3.2 | 99 | 44.7 | 627 | | 0.55 | 0.02 | 34.31 | 6.1 | 7.53 | 1.47 | | |
| DSW40" | 08/22/11 | 940 | 3.0 | 92 | 42 | 584 | 0.01 | 0.1 | 89 | 2493 | 3.0 | 94 | 44 | 621 | | 0.48 | 0.04 | 34.29 | 8.2 | 7.58 | 1.57 | | |
| DSW40" | 08/22/11 | 1015 | 3.1 | 95 | 42 | 590 | 0.04 | 0.6 | 91 | 2558 | 3.2 | 98 | 46.9 | 656 | | 0.48 | 0.02 | 34.30 | 5.8 | 7.57 | 1.61 | | |
| DSW40" | 09/15/11 | 808 | 2.9 | 91 | 40 | 566 | 0.07 | 1.0 | 83 | 2341 | 2.9 | 91 | 44 | 611 | | 0.41 | 0.05 | 34.33 | 8.4 | 7.56 | 1.25 | | |
| DSW40" | 09/15/11 | 824 | 3.0 | 92 | 41 | 570 | 0.11 | 1.5 | 84 | 2354 | 3.0 | 93 | 43.6 | 610 | | 0.28 | 0.04 | 34.32 | 6.1 | 7.56 | 1.33 | | |
| DSW40" | 10/04/11 | 1214 | 3.0 | 92 | 41 | 578 | 0.07 | 1.0 | 81 | 2286 | 3.0 | 92 | 44 | 611 | | 0.26 | 0.02 | 34.54 | 9.1 | 7.55 | 1.23 | | |
| DSW40" | 10/05/11 | 1156 | 3.0 | 92 | 41 | 581 | 0.04 | 0.6 | 80 | 2260 | 3.0 | 92 | 44.1 | 618 | | 0.32 | 0.02 | 34.46 | 6.3 | 7.58 | 1.28 | | |
| DSW40" | 11/21/11 | 1047 | 3.1 | 95 | 43 | 605 | 0.02 | 0.3 | 86 | 2408 | 3.1 | 95 | 47 | 664 | | 0.36 | 0.05 | 34.30 | 8.4 | 7.67 | 1.00 | | |
| DSW40" | 11/21/11 | 1126 | 3.1 | 95 | 43 | 596 | 0.02 | 0.3 | 82 | 2299 | 3.0 | 92 | 47.5 | 665 | | 1.86 | 0.02 | 34.31 | 6.6 | 7.65 | 1.08 | | |
| DSW40" | 12/27/11 | 1015 | 3.0 | 92 | 43 | 603 | 0.15 | 2.1 | 85 | 2386 | 3.0 | 92 | 49.1 | 687 | | 0.42 | 0.06 | 34.20 | 6.3 | 7.57 | 1.18 | | |
| DSW40" | 12/27/11 | 1000 | 2.9 | 91 | 43 | 600 | 0.04 | 0.6 | 86 | 2418 | 3.0 | 93 | 46 | 647 | | 0.47 | 0.02 | 34.21 | 7.5 | 7.62 | 1.28 | | |
| DSW40" | 01/30/12 | 1011 | 2.9 | 91 | 43 | 600 | 0.08 | 1.1 | 85 | 2401 | 2.9 | 91 | 47.1 | 660 | | 0.34 | 0.07 | 34.40 | 6.3 | 7.52 | 1.16 | | |
| DSW40" | 01/30/12 | 934 | 2.9 | 90 | 43 | 601 | 0.08 | 1.1 | 86 | 2403 | 2.9 | 90 | 47 | 656 | | 0.43 | 0.02 | 34.53 | 7.8 | 7.66 | 1.22 | | |
| DSW40" | 02/27/12 | 1019 | 3.0 | 93 | 42 | 584 | 0.01 | 0.1 | 85 | 2388 | 2.7 | 85 | 48.9 | 685 | | 0.56 | 0.05 | 34.40 | 6.1 | 7.53 | 1.24 | | |
| DSW40" | 02/27/12 | 959 | 2.9 | 91 | 42 | 582 | 0.01 | 0.1 | 84 | 2360 | 2.8 | 87 | 46 | 649 | | 2.01 | 0.06 | 34.37 | 7.9 | 7.58 | 1.19 | | |
| DSW40" | 03/28/12 | 943 | 3.0 | 93 | 38 | 534 | 0.37 | 5.2 | 80 | 2251 | 2.8 | 88 | 43.2 | 605 | | 0.44 | 0.02 | 34.38 | 6.2 | 7.55 | 1.01 | | |
| DSW40" | 03/28/12 | 909 | 2.9 | 90 | 38 | 527 | 0.36 | 5.0 | 79 | 2212 | 2.7 | 84 | 42 | 586 | | 0.49 | 0.02 | 34.33 | 7.9 | 7.57 | 1.03 | | |
| DSW40" | 04/16/12 | 946 | 3.2 | 99 | 43 | 601 | 0.01 | 0.1 | 80 | 2251 | 3.2 | 98 | 48.0 | 673 | | 0.52 | 0.02 | 34.40 | 6.2 | 7.56 | 1.01 | | |
| DSW40" | 04/16/12 | 934 | 3.1 | 97 | 43 | 596 | 0.01 | 0.2 | 78 | 2203 | 3.1 | 97 | 46 | 648 | | 0.28 | 0.02 | 34.39 | 7.8 | 7.46 | 1.05 | | |
| DSW40" | 05/24/12 | 952 | 3.2 | 99 | 44 | 620 | 0.15 | 2.1 | 86 | 2422 | 3.2 | 99 | 47.6 | 666 | | 0.51 | 0.04 | 34.27 | 6.1 | 7.55 | 1.26 | | |
| DSW40" | 05/24/12 | 1042 | 3.2 | 98 | 44 | 617 | 0.16 | 2.3 | 86 | 2423 | 3.3 | 103 | 46 | 644 | | 0.48 | 0.05 | 34.31 | 7.8 | 7.52 | 1.10 | | |
| DSW40" | 06/19/12 | 953 | 3.0 | 94 | 43 | 600 | 0.32 | 4.5 | 78 | 2192 | 3.0 | 93 | 45.8 | 641 | | 0.37 | 0.02 | 34.44 | 6.2 | 7.46 | 1.09 | | |
| DSW40" | 06/19/12 | 925 | 3.0 | 93 | 43 | 599 | 0.62 | 8.7 | 79 | 2229 | 2.9 | 90 | 45 | 634 | | 0.52 | 0.07 | 34.42 | 8.0 | 7.75 | 1.15 | | |

NELHA Water Quality Laboratory

DSW 40"

Intake Depth: 674 m, Offshore Pipe Length: 1,916 m

| SITE ID | DATE MD/Y | TIME (2400) | PO ₄ ³⁻ (µM) | (µg P/L) | NO ₃ ⁻ & NO ₂ ⁻ (µM) | (µg N/L) | NH ₄ ⁺ & NH ₃ (µM) | (µg N/L) | Si (µg Si/L) | TDP (µg P/L) | (µM) | TDN (µg N/L) | TOC (mgC/L) | TSS (mg/L) | Turbidity (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL |
|---------|-----------|-------------|------------------------------------|----------|--|----------|---|----------|--------------|--------------|------|--------------|-------------|------------|-----------------|-------------|----------------|-----------|-----------|----------|------------------|-----------------------------------|
| DSW40" | 07/03/12 | 942 | 3.0 | 94 | 41 | 568 | 0.31 | 4.3 | 80 | 2257 | 3.2 | 99 | 43 | 599 | | 0.55 | 0.02 | 34.58 | 7.8 | 7.57 | 1.29 | |
| DSW40" | 07/03/12 | 958 | 3.2 | 98 | 41 | 573 | 0.21 | 3.0 | 78 | 2182 | 3.2 | 100 | 41.6 | 583 | | 1.16 | 0.02 | 34.57 | 6.1 | 7.61 | 1.68 | |
| DSW40" | 08/27/12 | 1016 | 3.0 | 94 | 44 | 611 | 0.12 | 1.7 | 92 | 2588 | 3.2 | 98 | 47 | 662 | | 0.45 | 0.02 | 34.35 | 7.3 | 7.57 | 1.35 | |
| DSW40" | 08/27/12 | 1029 | 3.1 | 95 | 45 | 633 | 0.19 | 2.7 | 93 | 2608 | 3.1 | 95 | 48.4 | 678 | | 0.52 | 0.03 | 34.44 | 5.6 | 7.58 | 1.30 | |
| DSW40" | 09/26/12 | 1003 | 3.1 | 95 | 43 | 601 | 0.02 | 0.3 | 93 | 2616 | 3.3 | 101 | 49 | 689 | | 0.64 | 0.05 | 34.46 | 8.3 | 7.42 | 1.31 | |
| DSW40" | 09/26/12 | 1015 | 3.1 | 97 | 43 | 605 | 0.13 | 1.8 | 94 | 2646 | 3.2 | 100 | 46.2 | 648 | | 0.69 | 0.03 | 34.46 | 6.2 | 7.44 | 1.35 | |
| DSW40" | 10/10/12 | 915 | 3.0 | 93 | 42 | 591 | 0.10 | 1.4 | 89 | 2506 | 3.1 | 97 | 47 | 655 | | 0.55 | 0.03 | 34.42 | 7.7 | 7.44 | 1.29 | |
| DSW40" | 10/10/12 | 930 | 3.0 | 94 | 42 | 589 | 0.12 | 1.7 | 89 | 2508 | 3.1 | 96 | 47.7 | 668 | | 1.68 | 0.04 | 34.45 | 5.8 | 7.51 | 1.30 | |
| DSW40" | 11/19/12 | 1303 | 3.1 | 96 | 41 | 580 | 0.14 | 1.9 | 87 | 2440 | 3.2 | 98 | 50.6 | 709 | | 0.43 | 0.02 | 34.28 | 6.0 | 7.61 | 1.41 | |
| DSW40" | 11/19/12 | 1249 | 3.1 | 96 | 42 | 582 | 0.09 | 1.3 | 89 | 2505 | 3.1 | 97 | 44 | 611 | | 0.50 | 0.10 | 34.30 | 8.0 | 7.66 | 1.41 | |
| DSW40" | 12/19/12 | 918 | 3.3 | 101 | 42 | 589 | 0.21 | 3.0 | 89 | 2500 | 3.4 | 105 | 52.2 | 731 | | 0.68 | 0.04 | 34.35 | 6.0 | 7.57 | 1.42 | |
| DSW40" | 12/19/12 | 906 | 3.3 | 102 | 42 | 593 | 0.16 | 2.3 | 89 | 2506 | 3.3 | 102 | 44 | 613 | | 0.60 | 0.02 | 34.22 | 7.4 | 7.61 | 1.42 | |
| DSW40" | 01/04/13 | 945 | 3.0 | 93 | 42 | 592 | 0.06 | 0.9 | 87 | 2441 | 3.0 | 94 | 45.7 | 640 | | 1.89 | 0.04 | 34.24 | 6.0 | 7.65 | 1.56 | |
| DSW40" | 01/04/13 | 933 | 3.0 | 94 | 43 | 598 | 0.11 | 1.6 | 90 | 2519 | 3.0 | 94 | 44 | 617 | | 0.44 | 0.02 | 34.22 | 7.9 | 7.68 | 1.55 | |
| DSW40" | 02/13/13 | 956 | 3.1 | 95 | 41 | 568 | 0.01 | 0.1 | 81 | 2279 | 3.1 | 95 | 44.8 | 628 | | 0.67 | 0.02 | 34.38 | 6.2 | 7.59 | 1.89 | |
| DSW40" | 02/13/13 | 937 | 3.08 | 95 | 41 | 568 | 0.01 | 0.1 | 84 | 2371 | 3.1 | 96 | 44 | 620 | | 0.74 | 0.02 | 34.43 | 7.4 | 7.59 | 1.73 | |
| DSW40" | 03/18/13 | 1104 | 3.4 | 105 | 45 | 631 | 0.36 | 5.1 | 88 | 2463 | 3.2 | 100 | 49.3 | 691 | | 0.65 | 0.03 | 34.39 | 6.0 | 7.57 | 1.70 | |
| DSW40" | 03/18/13 | 1046 | 3.33 | 103 | 45 | 626 | 0.39 | 5.4 | 87 | 2452 | 3.3 | 103 | 47 | 665 | | 1.08 | 0.02 | 34.42 | 7.3 | 7.59 | 1.47 | |
| DSW40" | 04/03/13 | 1154 | 3.1 | 96 | 43 | 601 | 0.02 | 0.3 | 86 | 2423 | 3.1 | 96 | 47.5 | 665 | | 0.55 | 0.02 | 34.43 | 5.8 | 7.58 | 1.55 | |
| DSW40" | 04/03/13 | 1137 | 3.08 | 95 | 43 | 599 | 0.01 | 0.2 | 85 | 2387 | 3.0 | 94 | 45.1 | 632 | | 0.55 | 0.02 | 34.38 | 8.0 | 7.60 | 1.25 | |
| DSW40" | 05/29/13 | 1040 | 3.4 | 105 | 45 | 636 | 0.16 | 2.3 | 91 | 2560 | 3.4 | 106 | 50.0 | 701 | | 1.34 | 0.02 | 34.44 | 5.8 | 7.53 | 1.36 | |
| DSW40" | 05/29/13 | 852 | 3.40 | 105 | 45 | 628 | 0.19 | 2.6 | 91 | 2558 | 3.4 | 107 | 50.6 | 709 | | 0.65 | 0.02 | 34.50 | 8.0 | 7.57 | 1.41 | |
| DSW40" | 06/13/13 | 1007 | 3.1 | 96 | 40 | 565 | 0.37 | 5.2 | 81 | 2269 | 2.9 | 91 | 43.6 | 610 | | 0.49 | 0.06 | 34.43 | 6.1 | 7.50 | 1.16 | |
| DSW40" | 06/13/13 | 945 | 3.09 | 96 | 41 | 571 | 0.32 | 4.5 | 85 | 2380 | 3.0 | 92 | 42.9 | 601 | | 0.60 | 0.02 | 34.41 | 8.2 | 7.46 | 1.23 | |
| DSW40" | 07/01/13 | 918 | 3.0 | 94 | 44 | 611 | 0.19 | 2.7 | 85 | 2395 | 3.2 | 99 | 48.2 | 675 | | 0.65 | 0.04 | 34.42 | 5.9 | 7.59 | 1.26 | |
| DSW40" | 07/01/13 | 903 | 3.1 | 95 | 43 | 601 | 0.08 | 1.1 | 87 | 2435 | 3.1 | 97 | 47 | 657 | | 0.49 | 0.03 | 34.41 | 8.0 | 7.61 | 1.23 | |
| DSW40" | 08/14/13 | 932 | 3.1 | 95 | 43 | 608 | 0.11 | 1.5 | 88 | 2465 | 3.0 | 93 | 47 | 655 | | 0.77 | 0.02 | 34.39 | 7.7 | 7.54 | 1.30 | |
| DSW40" | 08/14/13 | 942 | 3.1 | 95 | 43 | 606 | 0.12 | 1.7 | 87 | 2442 | 3.0 | 93 | 53 | 738 | | 0.58 | 0.02 | 34.42 | 5.8 | 7.54 | 1.30 | |
| DSW40" | 09/18/13 | 953 | 3.1 | 95 | 41 | 579 | 0.20 | 2.8 | 81 | 2287 | 2.9 | 90 | 43 | 603 | | 0.54 | 0.02 | 34.47 | 6.2 | 7.54 | 1.40 | |
| DSW40" | 10/10/13 | 930 | 2.9 | 91 | 41 | 576 | 0.24 | 3.4 | 81 | 2269 | 2.9 | 91 | 43 | 602 | | 0.62 | 0.02 | 34.48 | 6.2 | 7.57 | 1.37 | |
| DSW40" | 11/21/13 | 958 | 3.1 | 96 | 43 | 606 | 0.50 | 7.0 | 84 | 2371 | 3.0 | 94 | 45 | 637 | | 0.70 | 0.02 | 34.58 | 6.1 | 7.53 | 1.66 | |
| DSW40" | 12/23/13 | 925 | 3.0 | 93 | 42 | 584 | 0.36 | 5.0 | 81 | 2272 | 2.9 | 90 | 42 | 589 | | 0.64 | 0.02 | 34.49 | 6.4 | 7.59 | 1.41 | |
| DSW40" | 01/23/14 | 1150 | 3.0 | 92 | 41 | 578 | 0.11 | 1.5 | 80 | 2257 | 3.0 | 92 | 43 | 609 | | 1.21 | 0.02 | 34.29 | 6.4 | 7.55 | 1.60 | |
| DSW40" | 02/12/14 | 1046 | 3.06 | 95 | 43 | 608 | 0.43 | 6.0 | 87 | 2456 | 3.0 | 92 | 45 | 630 | | 0.81 | | 34.49 | 5.9 | 7.56 | 1.76 | |
| DSW40" | 03/17/14 | 1019 | 3.03 | 94 | 43 | 601 | 0.04 | 0.6 | 87 | 2447 | 2.9 | 89 | 45 | 634 | | 0.73 | 0.03 | 34.42 | 5.8 | 7.59 | 1.54 | |
| DSW40" | 04/10/14 | 1109 | 3.09 | 96 | 44 | 619 | 0.09 | 1.3 | 90 | 2519 | 2.9 | 90 | 45.9 | 642 | | 0.60 | 0.02 | 34.47 | 5.7 | 7.60 | 1.75 | |
| DSW40" | 05/13/14 | 1402 | 2.90 | 90 | 42 | 595 | 0.30 | 4.2 | 82 | 2309 | 2.9 | 89 | 45.1 | 632 | | 0.74 | 0.02 | 34.50 | 5.8 | 7.61 | 1.90 | |
| DSW40" | 06/24/14 | 1237 | 3.03 | 94 | 44 | 612 | 0.76 | 10.6 | 77 | 2167 | 3.3 | 102 | 46.0 | 644 | | 0.91 | 0.03 | 34.66 | 6.2 | 7.63 | 1.45 | |
| DSW40" | 07/23/14 | 1202 | 3.21 | 99 | 42 | 591 | 0.67 | 9.4 | 81 | 2280 | 3.1 | 95 | 45.2 | 634 | | 0.63 | 0.05 | 34.68 | 6.0 | 7.57 | 1.46 | |
| DSW40" | 08/11/14 | 1111 | 2.29 | 71 | 37 | 515 | 0.33 | 4.6 | 74 | 2080 | 2.3 | 71 | 39.3 | 550 | | 0.76 | 0.08 | 34.43 | 5.9 | 7.55 | 1.26 | |
| DSW40" | 09/29/14 | 1200 | 3.23 | 100 | 43 | 599 | 0.21 | 3.0 | 83 | 2328 | 3.3 | 102 | 46.3 | 648 | | 0.84 | 0.07 | 34.66 | 6.2 | 7.59 | 1.28 | |
| DSW40" | 10/01/14 | 1247 | 3.00 | 93 | 43 | 608 | 0.30 | 4.2 | 80 | 2245 | 3.0 | 94 | 48.3 | 676 | | 0.66 | 0.09 | 34.52 | 6.1 | 7.51 | 1.17 | |
| DSW40" | 11/25/14 | 1218 | 3.13 | 97 | 44 | 622 | 0.21 | 2.9 | 84 | 2360 | 3.1 | 96 | 48.1 | 673 | | 1.13 | 0.04 | 34.50 | 6.0 | 7.64 | 1.22 | |
| DSW40" | 12/30/14 | 1016 | 3.07 | 95 | 43 | 599 | 0.14 | 1.9 | 86 | 2417 | 3.1 | 96 | 49.1 | 687 | | 0.74 | 0.03 | 34.53 | 6.1 | 7.56 | 1.24 | |
| DSW40" | 01/21/15 | 1117 | 3.13 | 97 | 46 | 640 | 0.24 | 3.4 | 91 | 2551 | 3.2 | 100 | 47.9 | 671 | | 2.85 | 0.07 | 34.67 | 6.0 | 7.59 | 1.31 | |
| DSW40" | 02/16/15 | 1029 | 3.26 | 101 | 49 | 690 | 0.34 | 4.7 | 96 | 2704 | 3.3 | 103 | 51.7 | 725 | | 2.55 | 0.02 | 34.54 | 6.0 | 7.52 | 1.24 | |
| DSW40" | 03/09/15 | 1330 | 3.69 | 114 | 38 | 526 | 0.08 | 1.1 | 184 | 5176 | 3.8 | 118 | 59.5 | 833 | | 2.60 | 0.02 | 34.31 | 6.0 | 7.53 | 1.27 | |
| DSW40" | 04/28/15 | 900 | 2.60 | 81 | 46 | 651 | 0.24 | 3.4 | 80 | 2257 | 3.1 | 96 | 51.4 | 720 | | 3.00 | 0.04 | 34.43 | 6.2 | 7.52 | 1.44 | |
| DSW40" | 05/14/15 | 1029 | 2.94 | 91 | 43 | 607 | 0.09 | 1.3 | 86 | 2414 | 2.8 | 87 | 46.6 | 653 | | 0.88 | 0.02 | 34.46 | 5.5 | 7.57 | 1.53 | |
| DSW40" | 06/03/15 | 928 | 2.85 | 88 | 42 | 585 | 0.49 | 6.8 | 75 | 2114 | 2.8 | 85 | 46.5 | 652 | | 0.78 | 0.02 | 34.25 | 6.1 | 7.59 | 1.20 | |

NELHA Water Quality Laboratory

DSW 40"

Intake Depth: 674 m, Offshore Pipe Length: 1,916 m

| SITE ID | DATE MD/Y | TIME (2400) | PO ₄ ³⁻ (µM) | (µg P/L) | NO ₂ ⁻ & NO ₃ ⁻ (µM) | (µg N/L) | NH ₄ ⁺ & NH ₃ (µM) | (µg N/L) | Si (µg Si/L) | TDP (µM) | (µg P/L) | TDN (µM) | (µg N/L) | TOC (mgC/L) | TSS (mg/L) | Turbidity (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL |
|---------|--------------|----------------|---------------------------------------|----------|---|----------|--|----------|-----------------|-------------|----------|-------------|----------|----------------|---------------|--------------------|----------------|-------------------|--------------|--------------|-------------|---------------------|---|
| DSW40" | 07/07/15 | 844 | 2.89 | 89 | 44 | 611 | 0.12 | 1.7 | 77 | 2156 | 2.9 | 91 | 45.5 | 637 | | 0.85 | 0.06 | 34.24 | 6.1 | 7.52 | 1.44 | | |
| DSW40" | 08/14/15 | 1025 | 3.09 | 96 | 46 | 638 | 0.21 | 3.0 | 95 | 2657 | 3.0 | 92 | 71.6 | 1002 | | 1.15 | 0.02 | 34.67 | 5.5 | 7.49 | 1.72 | | |
| DSW40" | 09/16/15 | 952 | 2.95 | 91 | 52 | 735 | 0.39 | 5.5 | 79 | 2209 | 2.5 | 77 | 56.8 | 795 | | 0.75 | 0.04 | 34.28 | 6.0 | 7.48 | 2.35 | | |
| DSW40" | 10/28/15 | 1449 | 3.24 | 100 | 41 | 577 | 0.22 | 3.1 | 77 | 2174 | 3.3 | 102 | 44.5 | 623 | | 0.93 | 0.10 | 34.45 | 6.3 | 7.56 | 1.32 | | |
| DSW40" | 11/05/15 | 1036 | 3.03 | 94 | 41 | 573 | 0.06 | 0.9 | 72 | 2034 | 3.1 | 96 | 45.1 | 632 | | 0.90 | 0.06 | 34.29 | 6.4 | 7.49 | 1.37 | | |
| DSW40" | 12/09/15 | 1114 | 3.11 | 96 | 44 | 611 | 0.61 | 8.5 | 82 | 2297 | 3.1 | 97 | 45.5 | 637 | | 0.85 | 0.06 | 34.19 | 7.2 | 7.60 | 4.95 | | |
| DSW40" | 01/15/16 | 1102 | 2.50 | 77 | 36 | 505 | 0.43 | 6.0 | 66 | 1849 | 2.5 | 79 | 37.3 | 523 | | 0.88 | 0.04 | 34.24 | 6.2 | 7.52 | 5.10 | | |
| DSW40" | 02/11/16 | 913 | 2.96 | 92 | 43 | 598 | 0.42 | 5.9 | 81 | 2270 | 3.1 | 95 | 44.7 | 627 | | 0.73 | 0.06 | 34.44 | 5.9 | 7.63 | 2.16 | | |
| DSW40" | 03/03/16 | 1101 | 2.94 | 91 | 43 | 608 | 0.02 | 0.3 | 80 | 2233 | 3.1 | 95 | 44.7 | 626 | | 0.83 | 0.05 | 34.54 | 5.7 | 7.53 | 1.68 | | |
| DSW40" | 04/12/16 | 1116 | 2.93 | 91 | 45 | 625 | 0.46 | 6.5 | 79 | 2214 | 3.0 | 94 | 46.6 | 653 | | 0.88 | 0.05 | 34.67 | 5.5 | 7.44 | 3.09 | | |
| DSW40" | 05/10/16 | 1043 | 3.27 | 101 | 43 | 596 | 0.09 | 1.2 | 78 | 2194 | 3.2 | 99 | 44.2 | 620 | | 0.80 | 0.03 | 34.56 | 5.5 | 7.58 | 3.09 | | |
| DSW40" | 06/15/16 | 930 | 2.93 | 91 | 45 | 631 | 0.21 | 2.9 | 74 | 2075 | 2.9 | 91 | 42.3 | 592 | | 0.93 | 0.06 | 34.55 | 5.7 | 7.27 | 2.88 | | |
| DSW40" | 07/01/16 | 931 | 2.94 | 91 | 39 | 541 | 0.20 | 2.8 | 74 | 2087 | 3.1 | 95 | 42.7 | 598 | | 0.98 | 0.06 | 34.51 | 5.8 | 7.00 | 1.88 | | |
| DSW40" | 08/25/16 | 923 | 4.86 | 151 | 67 | 937 | 0.14 | 2.0 | 123 | 3451 | 5.0 | 155 | 70.3 | 984 | | 0.90 | 0.05 | 34.59 | 5.6 | 7.17 | 2.43 | | |
| DSW40" | 09/15/16 | 943 | 2.95 | 92 | 68 | 959 | 0.14 | 2.0 | 105 | 2951 | 3.1 | 96 | 71.7 | 1005 | | 0.80 | 0.04 | 34.58 | 5.5 | 7.58 | 1.93 | | |
| DSW40" | 10/20/16 | 909 | 5.78 | 179 | 69 | 960 | 0.39 | 5.4 | 135 | 3799 | 6.1 | 190 | 71.3 | 998 | | 0.95 | 0.05 | 34.52 | 5.7 | 7.58 | 1.55 | | |
| DSW40" | 11/04/16 | 938 | 4.92 | 152 | 70 | 979 | 0.14 | 2.0 | 133 | 3726 | 5.1 | 157 | 72.1 | 1009 | | 0.75 | 0.02 | 34.55 | 5.9 | 7.63 | 2.36 | | |
| DSW40" | 12/29/16 | 936 | 2.79 | 87 | 40 | 560 | 0.05 | 0.7 | 84 | 2352 | 2.8 | 88 | 41.1 | 576 | | 1.23 | 0.02 | 34.63 | 6.1 | 7.56 | 2.11 | | |
| DSW40" | 01/27/17 | 1043 | 2.78 | 86 | 40 | 564 | 0.08 | 1.1 | 84 | 2357 | 2.9 | 89 | 41.9 | 587 | | 0.90 | 0.03 | 34.71 | 6.0 | 7.61 | 2.71 | | |
| DSW40" | 02/23/17 | 932 | 2.73 | 85 | 41 | 572 | 0.14 | 2.0 | 82 | 2293 | 2.8 | 88 | 40.3 | 564 | | 1.45 | 0.03 | 34.52 | 6.1 | 7.61 | 4.52 | | |
| DSW40" | 03/17/17 | 927 | 2.75 | 85 | 36 | 504 | 0.33 | 4.6 | 84 | 2351 | 2.8 | 88 | 40.6 | 568 | | 0.88 | 0.06 | 34.44 | 6.2 | 7.55 | 2.18 | | |
| DSW40" | 04/10/17 | 1100 | 2.81 | 87 | 42 | 584 | 0.21 | 2.9 | 88 | 2477 | 2.9 | 89 | 44.0 | 616 | | 0.90 | 0.03 | 34.72 | 5.7 | 7.60 | 1.69 | | |
| DSW40" | 05/17/17 | 903 | 2.73 | 85 | 39 | 551 | 0.13 | 1.8 | 78 | 2200 | 2.8 | 87 | 40.7 | 569 | | 0.83 | 0.06 | 34.56 | 6.3 | 7.65 | 4.40 | | |
| DSW40" | 06/13/17 | 846 | 2.70 | 84 | 41 | 570 | 0.22 | 3.1 | 80 | 2237 | 2.8 | 88 | 44.3 | 621 | | 1.05 | 0.04 | 34.54 | 6.3 | 7.65 | 2.10 | | |
| DSW40" | 07/13/17 | 1021 | 2.79 | 87 | 39 | 550 | 0.21 | 2.9 | 81 | 2285 | 2.8 | 87 | 41.5 | 582 | | 1.05 | 0.04 | 34.86 | 6.0 | 7.55 | 1.52 | | |
| DSW40" | 08/02/17 | 912 | 2.72 | 84 | 37 | 519 | 0.14 | 2.0 | 79 | 2231 | 2.8 | 88 | 37.5 | 525 | | 0.50 | 0.05 | 34.89 | 6.3 | 7.55 | 4.56 | | |
| DSW40" | 09/12/17 | 912 | 2.80 | 87 | 41 | 577 | 0.47 | 6.6 | 81 | 2262 | 2.9 | 90 | 41.9 | 587 | | 0.85 | 0.03 | 34.56 | 6.1 | 7.58 | 2.52 | | |
| DSW40" | 10/12/17 | 945 | 2.79 | 86 | 40 | 565 | 0.24 | 3.3 | 81 | 2283 | 2.9 | 90 | 41.7 | 585 | | 0.70 | 0.02 | 34.58 | 6.2 | 7.51 | 3.95 | | |
| DSW40" | 11/29/17 | 850 | 2.91 | 90 | 41 | 573 | 0.39 | 5.4 | 80 | 2258 | 3.0 | 94 | 41.1 | 575 | | 1.03 | 0.05 | 34.54 | 6.4 | 7.55 | 4.68 | | |
| DSW40" | 12/27/17 | 1012 | 2.94 | 91 | 38 | 534 | 0.47 | 6.6 | 78 | 2187 | 3.0 | 94 | 37.4 | 524 | | 0.78 | 0.04 | 34.73 | 6.7 | 7.52 | 5.43 | | |
| DSW40" | 01/11/18 | 923 | 2.75 | 85 | 40 | 560 | 0.11 | 1.5 | 85 | 2393 | 2.8 | 88 | 40.9 | 573 | | 3.10 | 0.05 | 34.47 | 6.2 | 7.44 | 3.26 | | |
| DSW40" | 02/14/18 | 908 | 2.76 | 85 | 41 | 572 | 0.14 | 2.0 | 86 | 2407 | 2.9 | 89 | 42.8 | 599 | | 0.98 | 0.05 | 34.31 | 6.4 | 7.49 | 2.54 | | |
| DSW40" | 03/23/18 | 951 | 2.83 | 88 | 42 | 583 | 0.14 | 1.9 | 79 | 2230 | 2.9 | 91 | 43.6 | 611 | | 1.00 | 0.05 | 34.40 | 6.2 | 7.52 | 2.21 | | |
| DSW40" | 04/24/18 | 930 | 2.78 | 86 | 40 | 566 | 0.18 | 2.5 | 84 | 2354 | 3.0 | 92 | 42.2 | 592 | | 0.75 | 0.05 | 34.45 | 5.9 | 7.44 | 2.85 | | |
| DSW40" | 05/08/18 | 841 | 2.85 | 88 | 39 | 551 | 0.43 | 6.0 | 83 | 2322 | 2.9 | 91 | 40.6 | 569 | | 0.83 | 0.03 | 34.43 | 6.0 | 7.51 | 2.87 | | |
| DSW40" | 06/20/18 | 916 | 2.81 | 87 | 39 | 548 | 0.49 | 6.9 | 81 | 2287 | 2.9 | 91 | 39.6 | 555 | | 0.78 | 0.06 | 35.17 | 5.8 | 7.43 | 1.83 | | |
| DSW40" | 07/12/18 | 1109 | 3.04 | 94 | 41 | 576 | 0.11 | 1.6 | 86 | 2413 | 3.0 | 94 | 43.1 | 604 | | 0.98 | 0.05 | 34.55 | 5.7 | 7.49 | 1.76 | | |
| DSW40" | 08/13/18 | 1024 | 2.66 | 82 | 43 | 603 | 0.23 | 3.2 | 79 | 2226 | 2.7 | 84 | 45.1 | 632 | | 0.88 | 0.05 | 34.44 | 5.8 | 7.43 | 3.36 | | |
| DSW40" | 09/18/18 | 1507 | 2.69 | 83 | 41 | 576 | 0.36 | 5.0 | 91 | 2570 | 2.8 | 86 | 43.4 | 608 | | 1.45 | 0.07 | 34.59 | 5.6 | 7.48 | 2.62 | | |
| DSW40" | 10/11/18 | 1037 | 2.70 | 84 | 40 | 556 | 0.18 | 2.5 | 82 | 2297 | 2.8 | 88 | 40.0 | 560 | | 2.78 | 0.07 | 34.70 | 5.7 | 7.58 | 1.08 | | |
| DSW40" | 11/02/18 | 939 | 2.72 | 84 | 39 | 544 | 0.49 | 6.8 | 79 | 2218 | 2.8 | 86 | 40.9 | 572 | | 3.05 | 0.06 | 34.51 | 5.9 | 7.54 | 1.79 | | |
| DSW40" | 12/21/18 | 1040 | 2.87 | 89 | 40 | 567 | 0.44 | 6.1 | 84 | 2349 | 3.1 | 95 | 40.7 | 571 | | 3.15 | 0.05 | 34.61 | 5.7 | 7.58 | 1.36 | | |
| DSW40" | 01/15/19 | 1036 | 2.86 | 89 | 39 | 544 | 0.08 | 1.1 | 87 | 2450 | 3.0 | 92 | 39.9 | 559 | | 0.85 | 0.05 | 34.71 | 5.6 | 7.61 | 2.29 | | |
| DSW40" | 02/13/19 | 852 | 2.80 | 87 | 38 | 537 | 0.04 | 0.5 | 86 | 2412 | 2.9 | 90 | 39.2 | 549 | | 0.85 | 0.05 | 34.03 | 5.9 | 7.23 | 5.05 | | |
| DSW40" | 03/07/19 | 1449 | 2.79 | 86 | 41 | 568 | 0.01 | 0.1 | 82 | 2309 | 2.9 | 89 | 40.6 | 569 | | 0.78 | 0.07 | 35.05 | 5.7 | 7.62 | 1.47 | | |
| DSW40" | 04/25/19 | 1001 | 2.73 | 85 | 40 | 554 | 0.12 | 1.7 | 84 | 2354 | 2.8 | 87 | 40.4 | 565 | | 2.75 | 0.02 | 35.31 | 5.8 | 7.63 | 1.60 | | |
| DSW40" | 05/07/19 | 1038 | 2.72 | 84 | 40 | 555 | 0.62 | 8.7 | 87 | 2442 | 2.8 | 87 | 40.5 | 567 | | 0.80 | 0.03 | 35.46 | 5.7 | 7.68 | 1.57 | | |
| DSW40" | 06/20/19 | 1139 | 2.77 | 86 | 39 | 546 | 0.09 | 1.2 | 82 | 2301 | 2.8 | 87 | 39.7 | 556 | | 0.73 | 0.03 | 35.68 | 6.1 | 7.64 | 1.17 | | |

NELHA Water Quality Laboratory
DSW 40"
Intake Depth: 674 m, Offshore Pipe Length: 1,916 m

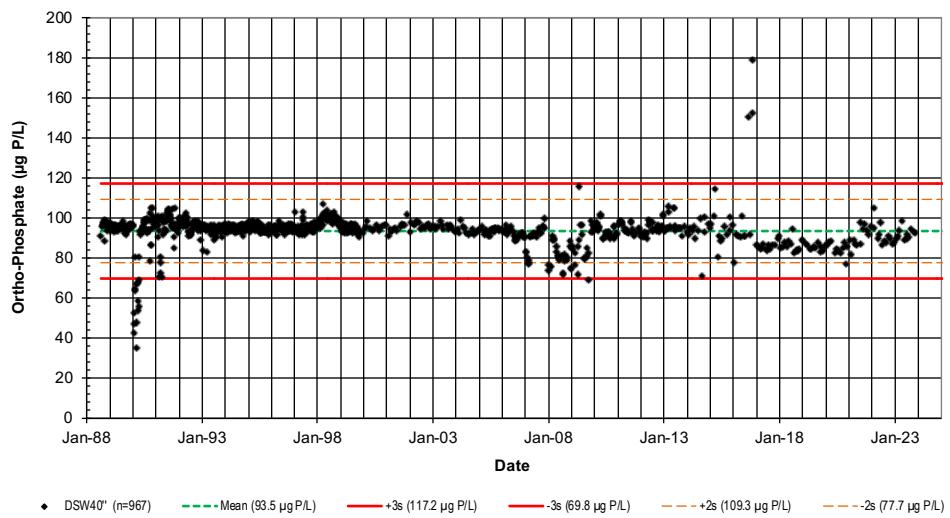
| SITE ID | DATE MDY | TIME (2400) | PO ₄ ³⁻ (µM) | (µg P/L) | NO ₃ ⁻ & NO ₂ ⁻ (µM) | (µg N/L) | NH ₄ ⁺ & NH ₃ (µM) | (µg N/L) | Si (µg Si/L) | TDP (µM) | (µg P/L) | TDN (µM) | (µg N/L) | TOC (mgC/L) | TSS (mg/L) | Turbidity (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL |
|---------|-------------|----------------|---------------------------------------|----------|---|----------|--|----------|-----------------|-------------|----------|-------------|----------|----------------|---------------|--------------------|----------------|-------------------|--------------|--------------|-------------|---------------------|---|
| DSW40" | 07/17/19 | 1037 | 2.74 | 85 | 39 | 541 | 0.33 | 4.6 | 85 | 2398 | 2.8 | 88 | 39.0 | 546 | | 4.28 | 0.04 | | 35.80 | 5.8 | 7.59 | 1.34 | |
| DSW40" | 08/23/19 | 1500 | 2.83 | 88 | 41 | 575 | 0.31 | 4.3 | 83 | 2320 | 2.9 | 91 | 41.7 | 584 | | 0.80 | 0.02 | | 35.00 | 6.5 | 7.66 | 2.01 | |
| DSW40" | 09/26/19 | 1105 | 2.76 | 86 | 40 | 556 | 1.29 | 18.1 | 84 | 2362 | 2.9 | 90 | 41.3 | 578 | | 0.53 | 0.04 | | 34.60 | 5.8 | 7.66 | 1.43 | |
| DSW40" | 10/08/19 | 1052 | 2.68 | 83 | 47 | 659 | 0.14 | 2.0 | 80 | 2243 | 2.7 | 84 | 50.7 | 710 | | 0.48 | 0.07 | | 35.09 | 6.0 | 7.58 | 1.22 | |
| DSW40" | 11/14/19 | 1024 | 2.69 | 83 | 41 | 581 | 0.15 | 2.1 | 80 | 2252 | 2.7 | 83 | 42.7 | 598 | | 0.43 | 0.02 | | 34.28 | 6.0 | 7.57 | 1.13 | |
| DSW40" | 12/17/19 | 949 | 2.77 | 86 | 42 | 584 | 0.14 | 1.9 | 73 | 2060 | 2.8 | 88 | 41.6 | 582 | | 1.00 | 0.05 | | 35.00 | 6.4 | 7.58 | 1.20 | |
| DSW40" | 01/09/20 | 1041 | 2.79 | 86 | 41 | 581 | 0.17 | 2.4 | 77 | 2172 | 2.9 | 90 | 42.7 | 598 | | 0.83 | 0.02 | | 35.63 | 6.5 | 7.64 | 1.21 | |
| DSW40" | 02/04/20 | 1334 | 2.84 | 88 | 42 | 590 | -0.20 | -2.8 | 81 | 2282 | 2.9 | 91 | 43.2 | 605 | | 0.73 | 0.02 | | 35.44 | 6.1 | 7.59 | 1.28 | |
| DSW40" | 03/17/20 | 1556 | 2.85 | 88 | 41 | 580 | -0.01 | -0.2 | 79 | 2209 | 2.9 | 89 | 41.9 | 587 | | 1.13 | 0.02 | | 35.01 | 6.4 | 7.57 | 1.14 | |
| DSW40" | 04/01/20 | COVID - 19 | | | | | | | | | | | | | | | | | | | | | |
| DSW40" | 05/21/20 | 1226 | 2.65 | 82 | 40 | 565 | 0.23 | 3.2 | 76 | 2144 | 2.7 | 83 | 41.2 | 578 | | 0.88 | 0.06 | | 36.09 | 6.2 | 7.65 | 1.24 | |
| DSW40" | 06/09/20 | 942 | 2.72 | 84 | 39 | 553 | 0.28 | 3.9 | 80 | 2245 | 2.8 | 87 | 40.6 | 568 | | 0.53 | 0.04 | | 36.54 | 6.2 | 7.71 | 1.24 | |
| DSW40" | 07/14/20 | 1118 | 2.71 | 84 | 41 | 567 | 0.00 | 0.0 | 79 | 2214 | 2.5 | 78 | 39.9 | 558 | | 0.63 | 0.05 | | 34.00 | 6.3 | 7.63 | 1.13 | |
| DSW40" | 08/25/20 | 952 | 2.67 | 83 | 43 | 607 | 0.49 | 6.8 | 77 | 2173 | 2.4 | 73 | 45.3 | 635 | | 0.73 | 0.02 | | 35.78 | 6.3 | 7.67 | 1.91 | |
| DSW40" | 09/30/20 | 952 | 2.74 | 85 | 44 | 614 | 0.14 | 1.9 | 82 | 2300 | 2.5 | 77 | 44.7 | 626 | | 0.75 | 0.03 | | 34.89 | 6.3 | 7.57 | 1.21 | |
| DSW40" | 10/14/20 | 1109 | 2.84 | 88 | 42 | 591 | 0.30 | 4.2 | 82 | 2293 | 2.7 | 83 | 43.2 | 605 | | 0.78 | 0.09 | | 34.98 | 6.7 | 7.56 | 1.30 | |
| DSW40" | 11/04/20 | 1129 | 2.48 | 77 | 44 | 620 | 0.34 | 4.7 | 79 | 2220 | 2.4 | 73 | 67.3 | 943 | | 0.80 | 0.02 | | 35.40 | 6.5 | 7.54 | 1.22 | |
| DSW40" | 12/04/20 | 1007 | 2.77 | 86 | 40 | 555 | 0.21 | 3.0 | 74 | 2077 | 2.6 | 80 | 41.3 | 578 | | 1.33 | 0.07 | | 35.49 | 7.2 | 7.51 | 1.15 | |
| DSW40" | 01/14/21 | 1032 | 2.88 | 89 | 40 | 566 | 0.16 | 2.3 | 80 | 2235 | 2.7 | 84 | 44.6 | 625 | | 0.68 | 0.05 | | 35.52 | 6.7 | 7.56 | 1.28 | |
| DSW40" | 02/11/21 | 934 | 2.63 | 82 | 41 | 573 | 0.04 | 0.6 | 77 | 2165 | 2.3 | 71 | 40.5 | 568 | | 0.88 | 0.03 | | 35.52 | 7.0 | 7.52 | 1.28 | |
| DSW40" | 03/24/21 | 1215 | 2.86 | 89 | 44 | 621 | 0.11 | 1.6 | 83 | 2330 | 2.6 | 81 | 44.2 | 619 | | 0.58 | 0.08 | | 35.65 | 6.4 | 7.47 | 1.41 | |
| DSW40" | 04/13/21 | 1114 | 2.80 | 87 | 42 | 582 | 0.05 | 0.7 | 82 | 2293 | 2.6 | 81 | 42.1 | 589 | | 0.43 | 0.03 | | 35.44 | 6.2 | 7.46 | 1.40 | |
| DSW40" | 05/04/21 | 1141 | 2.78 | 86 | 42 | 594 | 0.15 | 2.1 | 80 | 2258 | 2.5 | 78 | 39.9 | 559 | | 0.73 | 0.05 | | 35.57 | 6.3 | 7.50 | 1.37 | |
| DSW40" | 06/22/21 | 1057 | 2.81 | 87 | 36 | 507 | 0.14 | 2.0 | 82 | 2312 | 2.6 | 80 | 38.3 | 536 | | 1.00 | 0.06 | | 35.50 | 5.9 | 7.45 | 1.42 | |
| DSW40" | 7/1/21 | 1503 | 3.16 | 98 | 42 | 595 | 0.08 | 1.1 | 81 | 2283 | 3.0 | 92 | 42.9 | 601 | | 0.85 | 0.05 | | 35.10 | 6.2 | 7.46 | 1.41 | |
| DSW40" | 8/11/21 | 1017 | 3.05 | 95 | 41 | 581 | 0.06 | 0.8 | 82 | 2315 | 2.9 | 90 | 42.1 | 590 | | 0.90 | 0.06 | | 35.13 | 6.0 | 7.42 | 1.45 | |
| DSW40" | 9/7/21 | 1027 | 3.14 | 97 | 43 | 602 | 0.09 | 1.3 | 82 | 2301 | 3.0 | 92 | 41.7 | 584 | | 0.58 | 0.05 | | 35.14 | 6.0 | 7.46 | 1.49 | |
| DSW40" | 10/19/21 | 1457 | 3.03 | 94 | 41 | 576 | 0.08 | 1.1 | 83 | 2325 | 2.9 | 91 | 42.0 | 588 | | 0.75 | 0.07 | | 35.12 | 6.6 | 7.45 | 1.44 | |
| DSW40" | 11/4/21 | 1543 | 2.96 | 92 | 42 | 593 | 0.14 | 2.0 | 83 | 2323 | 2.9 | 89 | 41.0 | 575 | | 0.80 | 0.07 | | 34.73 | 6.6 | 7.40 | 1.43 | |
| DSW40" | 12/21/21 | 1407 | 3.08 | 95 | 42 | 591 | 0.00 | 0.0 | 85 | 2393 | 3.0 | 92 | 38.8 | 543 | | 1.10 | 0.02 | | | | | | |
| DSW40" | 1/27/22 | 1025 | 3.39 | 105 | 41 | 580 | 0.04 | 0.6 | 86 | 2428 | 3.2 | 100 | 41.5 | 581 | | 0.73 | 0.02 | | | | | | |
| DSW40" | 2/3/22 | 1058 | 3.06 | 95 | 41 | 575 | 0.05 | 0.7 | 86 | 2407 | 2.9 | 90 | 41.8 | 586 | | 0.78 | 0.07 | | 34.39 | 6.6 | 7.46 | 1.41 | |
| DSW40" | 3/29/22 | 1040 | 2.89 | 90 | 42 | 587 | -0.18 | -2.5 | 83 | 2332 | 2.7 | 84 | 43.4 | 608 | | 0.60 | 0.08 | | 34.47 | 6.4 | 7.46 | 1.40 | |
| DSW40" | 4/12/22 | 1144 | 2.95 | 91 | 41 | 576 | 0.04 | 0.5 | 82 | 2312 | 2.9 | 89 | 44.8 | 627 | | 0.43 | 0.06 | | 34.52 | 6.4 | 7.42 | 1.43 | |
| DSW40" | 5/10/22 | 1104 | 3.15 | 98 | 44 | 614 | 0.24 | 3.3 | 83 | 2319 | 3.1 | 95 | 43.7 | 611 | | 1.30 | 0.06 | | 34.53 | 6.3 | 7.48 | 1.29 | |
| DSW40" | 6/1/22 | 1013 | 2.78 | 86 | 45 | 636 | 0.00 | 0.0 | 79 | 2213 | 2.7 | 84 | 43.0 | 602 | | 0.55 | 0.10 | | 34.51 | 6.4 | 7.49 | 1.38 | |
| DSW40" | 7/21/22 | 1203 | 2.86 | 89 | 41 | 575 | 0.08 | 1.1 | 79 | 2210 | 2.6 | 81 | 41.8 | 585 | | 0.68 | 0.06 | | 34.48 | 6.1 | 7.43 | 1.25 | |
| DSW40" | 8/2/22 | 1520 | 2.84 | 88 | 41 | 575 | 0.11 | 1.5 | 83 | 2337 | 2.7 | 84 | 42.4 | 594 | | 0.65 | 0.02 | | 34.49 | 6.0 | 7.41 | 1.32 | |
| DSW40" | 9/8/22 | 1036 | 2.93 | 91 | 43 | 604 | 0.26 | 3.7 | 87 | 2431 | 2.8 | 86 | 44.2 | 619 | | 0.70 | 0.10 | | 34.52 | 5.8 | 7.53 | 1.50 | |
| DSW40" | 10/12/22 | 1055 | 2.89 | 89 | 41 | 580 | 0.05 | 0.7 | 78 | 2190 | 2.8 | 86 | 42.3 | 593 | | 0.70 | 0.02 | | 34.49 | 6.3 | 7.52 | 1.45 | |
| DSW40" | 11/16/22 | 957 | 2.81 | 87 | 42 | 587 | 0.19 | 2.7 | 82 | 2305 | 2.7 | 85 | 42.9 | 601 | | 0.68 | 0.02 | | 34.43 | 6.8 | 7.53 | 1.50 | |
| DSW40" | 12/8/22 | 1111 | 2.82 | 87 | 42 | 585 | 0.21 | 3.0 | 82 | 2310 | 2.7 | 83 | 42.6 | 596 | | 0.73 | 0.02 | | 34.51 | 6.6 | 7.50 | 1.49 | |
| DSW40" | 1/17/23 | 1024 | 2.89 | 89 | 41 | 567 | 0.14 | 1.9 | 80 | 2252 | 2.7 | 84 | 41.6 | 582 | | 0.68 | 0.05 | | 34.43 | 6.3 | 7.53 | 1.48 | |
| DSW40" | 2/16/23 | 942 | 2.93 | 91 | 42 | 584 | 0.04 | 0.6 | 76 | 2147 | 2.8 | 87 | 42.4 | 594 | | 0.80 | 0.07 | | 34.44 | 6.1 | 7.48 | 1.43 | |
| DSW40" | 3/10/23 | 1107 | 3.02 | 94 | 41 | 580 | 0.07 | 1.0 | 73 | 2060 | 2.8 | 88 | 41.8 | 586 | | 0.65 | 0.06 | | 34.47 | 6.8 | 7.52 | 1.32 | |
| DSW40" | 4/21/23 | 1104 | 3.17 | 98 | 42 | 582 | 0.16 | 2.3 | 79 | 2223 | 3.0 | 93 | 42.8 | 600 | | 1.38 | 0.06 | | 34.47 | 6.1 | 7.47 | 1.36 | |
| DSW40" | 5/31/23 | 1101 | 2.87 | 89 | 42 | 584 | 0.07 | 1.0 | 75 | 2113 | 2.8 | 85 | 42.4 | 594 | | 0.68 | 0.08 | | 34.43 | 6.4 | 7.46 | 1.42 | |
| DSW40" | 6/30/23 | 1006 | 2.89 | 90 | 42 | 590 | 0.64 | 8.9 | 78 | 2192 | 2.9 | 89 | 42.6 | 597 | | 1.25 | 0.08 | | 34.45 | 6.0 | 7.52 | 1.44 | |

NELHA Water Quality Laboratory
DSW 40"
Intake Depth: 674 m, Offshore Pipe Length: 1,916 m

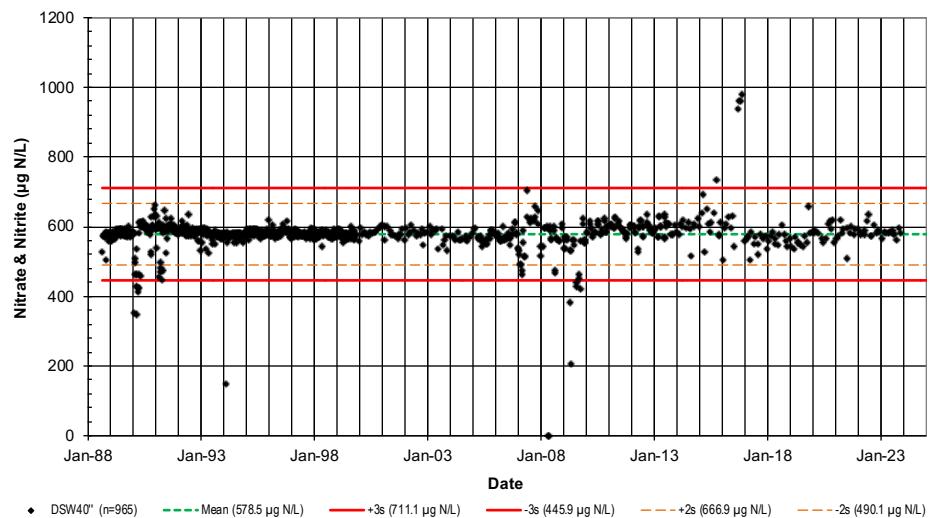
| SITE ID | DATE M/D/Y | TIME (2400) | PO ₄ ³⁻ (µM) | (µg P/L) | NO ₃ ⁻ & NO ₂ ⁻ (µM) | (µg N/L) | NH ₄ ⁺ & NH ₃ (µM) | (µg N/L) | Si (µM) | (µg Si/L) | TDP (µM) | (µg P/L) | TDN (µM) | (µg N/L) | TOC (mgC/L) | TSS (mg/L) | Turbidity (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL |
|---------------------------|---------------|----------------|---------------------------------------|----------|---|----------|--|----------|------------|-----------|-------------|----------|-------------|----------|----------------|---------------|--------------------|----------------|-------------------|--------------|--------------|-------------|---------------------|---|
| DSW40" | 7/12/23 | 1604 | 2.97 | 92 | 42 | 582 | 0.19 | 2.7 | 75 | 2120 | 2.7 | 85 | 42.3 | 593 | | 0.53 | 0.05 | | 34.42 | 6.1 | 7.48 | 1.38 | | |
| DSW40" | 8/4/23 | 1032 | 2.91 | 90 | 41 | 579 | 0.29 | 4.0 | 75 | 2099 | 2.7 | 84 | 42.2 | 591 | | 0.50 | 0.07 | | 34.42 | 6.3 | 7.49 | 1.30 | | |
| DSW40" | 9/6/23 | 1336 | 3.05 | 94 | 40 | 560 | 0.16 | 2.3 | 76 | 2139 | 2.9 | 90 | 41.3 | 579 | | 0.58 | 0.06 | | 34.43 | 6.4 | 7.65 | 1.35 | | |
| DSW40" | 10/24/23 | 1614 | 3.01 | 93 | 43 | 595 | 0.23 | 3.2 | 74 | 2083 | 2.9 | 89 | 43.5 | 609 | | 0.65 | 0.08 | | 34.40 | 6.3 | 7.51 | 1.34 | | |
| DSW40" | 11/14/23 | 953 | 2.99 | 93 | 41 | 580 | 0.18 | 2.5 | 75 | 2103 | 2.8 | 87 | 41.9 | 587 | | 0.80 | 0.08 | | 34.41 | 6.2 | 7.62 | 1.41 | | |
| DSW40" | 12/15/23 | | | | | | | | | | | | | | | | | | | | | | | |
| DSW40" | 1/15/24 | | | | | | | | | | | | | | | | | | | | | | | |
| DSW40" | 2/15/24 | | | | | | | | | | | | | | | | | | | | | | | |
| DSW40" | 3/15/24 | | | | | | | | | | | | | | | | | | | | | | | |
| DSW40" | 4/15/24 | | | | | | | | | | | | | | | | | | | | | | | |
| DSW40" | 5/15/24 | | | | | | | | | | | | | | | | | | | | | | | |
| DSW40" | 6/15/24 | | | | | | | | | | | | | | | | | | | | | | | |
| DSW40" | 7/15/24 | | | | | | | | | | | | | | | | | | | | | | | |
| DSW40" | 8/15/24 | | | | | | | | | | | | | | | | | | | | | | | |
| DSW40" | 9/15/24 | | | | | | | | | | | | | | | | | | | | | | | |
| DSW40" | 10/15/24 | | | | | | | | | | | | | | | | | | | | | | | |
| DSW40" | 11/15/24 | | | | | | | | | | | | | | | | | | | | | | | |
| DSW40" | 12/15/24 | | | | | | | | | | | | | | | | | | | | | | | |
| DSW40" | 1/15/25 | | | | | | | | | | | | | | | | | | | | | | | |
| DSW40" | 2/15/25 | | | | | | | | | | | | | | | | | | | | | | | |
| DSW40" | 3/15/25 | | | | | | | | | | | | | | | | | | | | | | | |
| DSW40" | 4/15/25 | | | | | | | | | | | | | | | | | | | | | | | |
| DSW40" | 5/15/25 | | | | | | | | | | | | | | | | | | | | | | | |
| DSW40" | 6/15/25 | | | | | | | | | | | | | | | | | | | | | | | |
| Mean (Aug. '86 - present) | | | 3.0 | 93 | 41.2 | 578 | 0.2 | 2.5 | 84.3 | 2371 | 3.1 | 96 | 43.6 | 618 | 0.67 | 0.78 | 0.05 | 2.37 | 34.42 | 8.0 | 7.58 | 1.35 | | |
| STD DEV | | | 0.3 | 8 | 3.9 | 44 | 0.2 | 2.7 | 7.7 | 202 | 0.4 | 9 | 6.1 | 56 | 0.31 | 0.59 | 0.04 | 0.1 | 0.22 | 1.9 | 0.09 | 1.01 | | |
| Range | | | | | | | | | | | | | | | | | | | | | | | | |
| UWL | +2s | | 3.6 | 109 | 49 | 667 | 0.56 | 7.9 | 100 | 2776 | 4.0 | 115 | 55.9 | 729 | 1.29 | 1.95 | 0.13 | 2.58 | 34.862 | 11.8 | 7.76 | 3.37 | | |
| LWL | -2s | | 2.4 | 78 | 33 | 490 | -0.21 | -2.9 | 69 | 1966 | 2.2 | 77 | 31.3 | 506 | 0.05 | -0.40 | -0.03 | 2.15 | 33.985 | 4.2 | 7.40 | -0.67 | | |
| UCL | +3s | | 3.9 | 117 | 53 | 711 | 0.75 | 10.6 | 107 | 2978 | 4.4 | 124 | 62.0 | 785 | 1.60 | 2.54 | 0.17 | 2.69 | 35.081 | 13.7 | 7.85 | 4.38 | | |
| LCL | -3s | | 2.1 | 70 | 29 | 446 | -0.40 | -5.6 | 61 | 1763 | 1.7 | 68 | 25.2 | 450 | -0.26 | -0.98 | -0.06 | 2.05 | 33.766 | 2.3 | 7.31 | -1.68 | | |
| Data | | | | | | | | | | | | | | | | | | | | | | | | |
| Max. Value | | | 5.8 | 179 | 69.9 | 979 | 3.3 | 46 | 184.3 | 5176 | 6.1 | 190 | 72.1 | 1009 | 4.88 | 5.50 | 0.36 | 3.33 | 36.54 | 34.0 | 8.54 | 10.74 | | |
| Min. Value | | | 0.0 | 35 | 0.0 | 150 | -0.2 | -3 | 0.0 | 1170 | 0.0 | 0 | 0.0 | 0 | 0.03 | 0.00 | 0.02 | 1.68 | 33.29 | 5.5 | 7.00 | 0.02 | | |

NELHA Water Quality Laboratory
DSW 40"
Intake Depth: 674 m, Offshore Pipe Length: 1,916 m

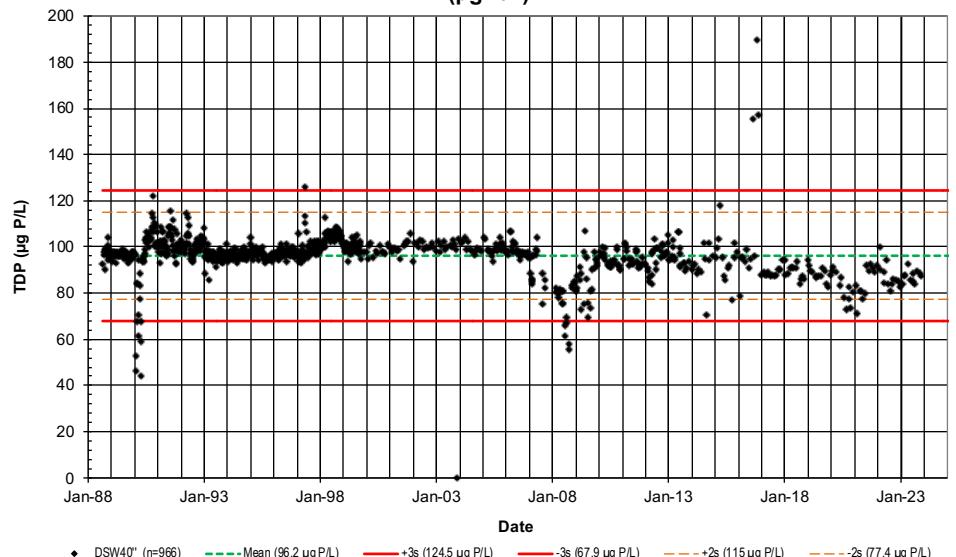
NELHA Deep Seawater 40" Pipeline
Ortho-Phosphate ($\mu\text{g P/L}$)



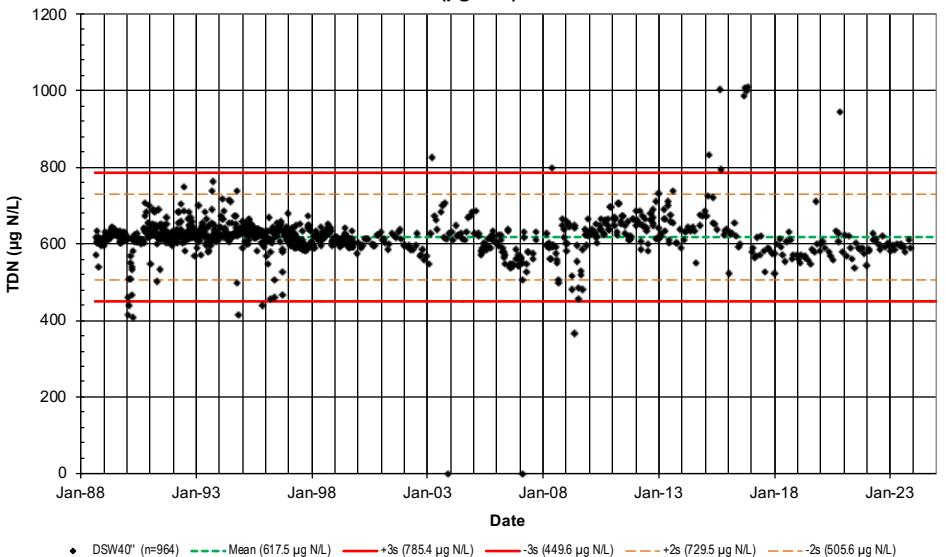
NELHA Deep Seawater 40" Pipeline
Nitrate & Nitrite ($\mu\text{g N/L}$)



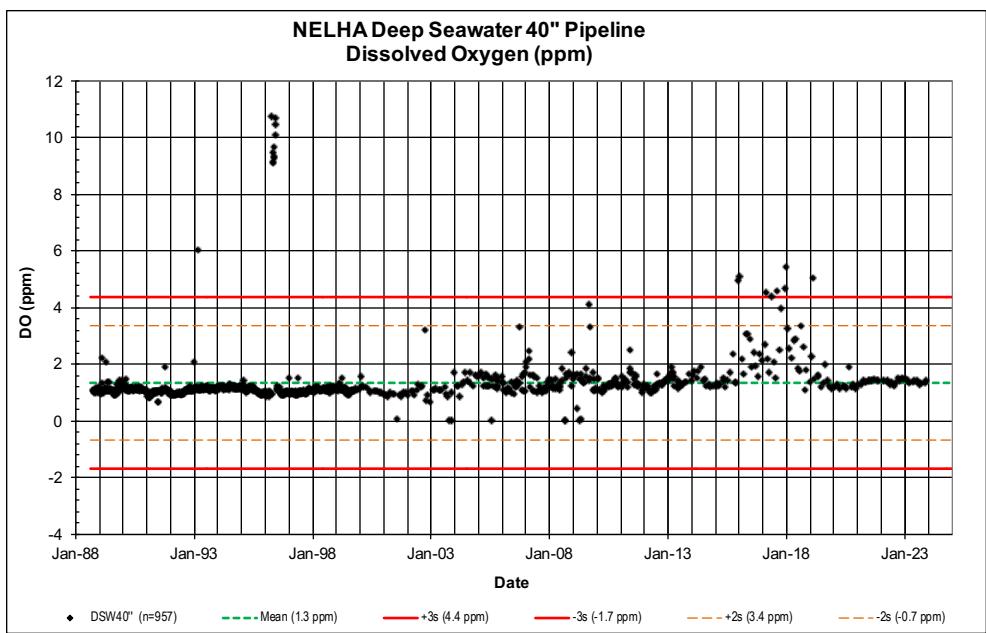
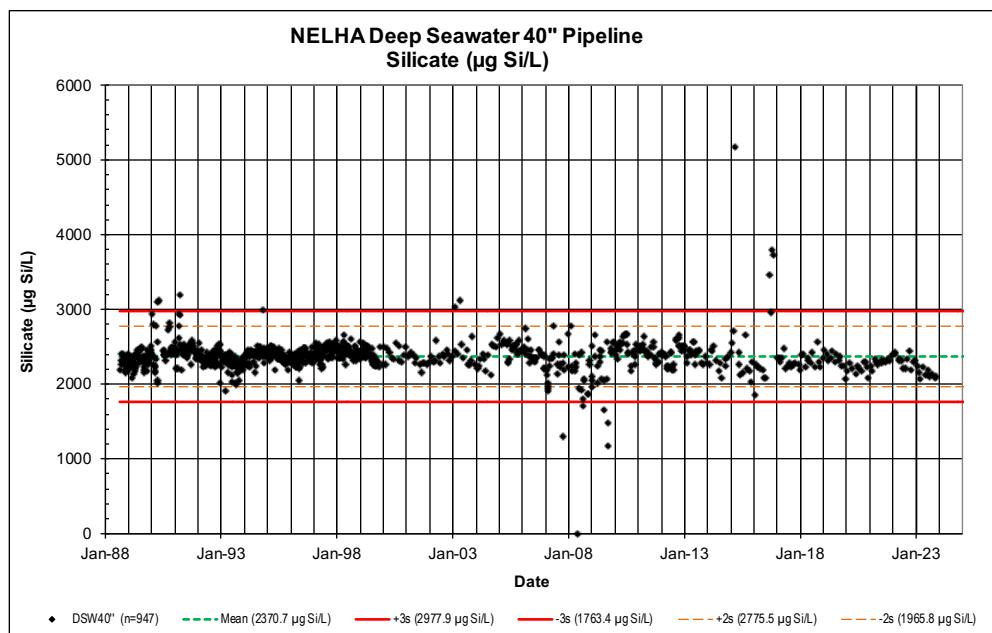
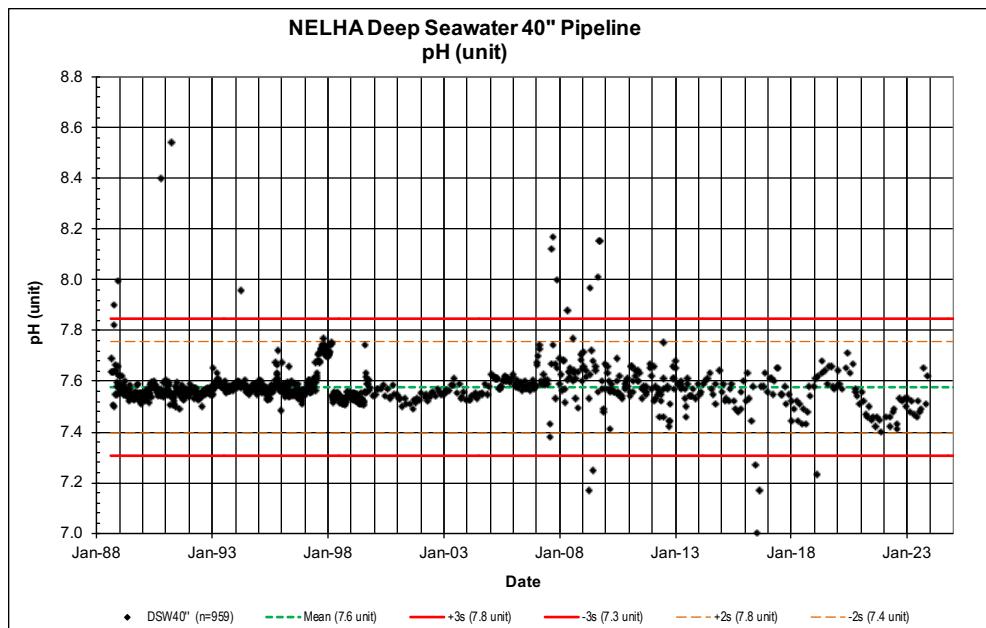
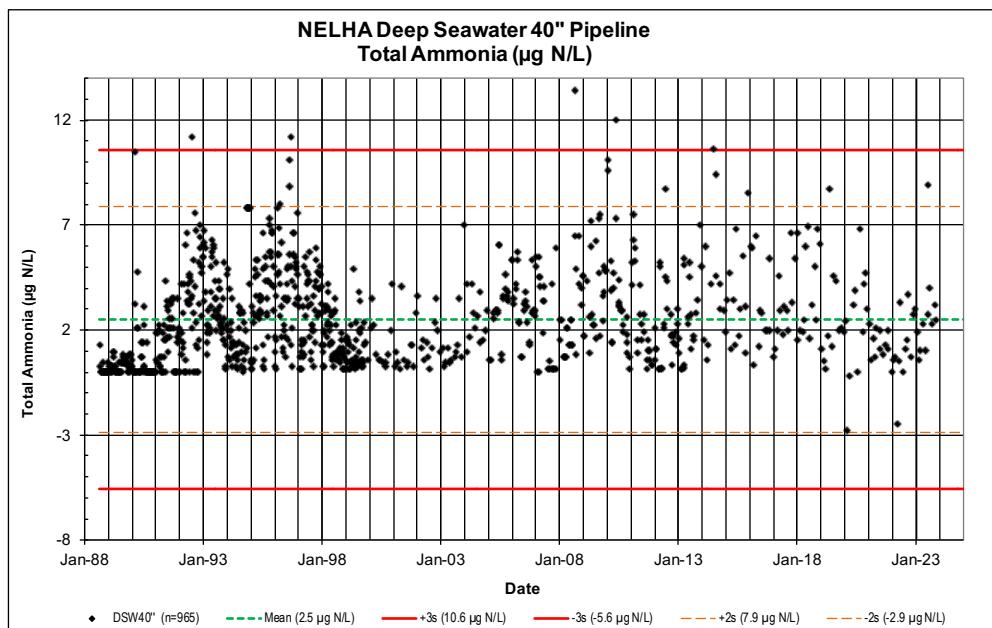
NELHA Deep Seawater 40" Pipeline
TDP ($\mu\text{g P/L}$)



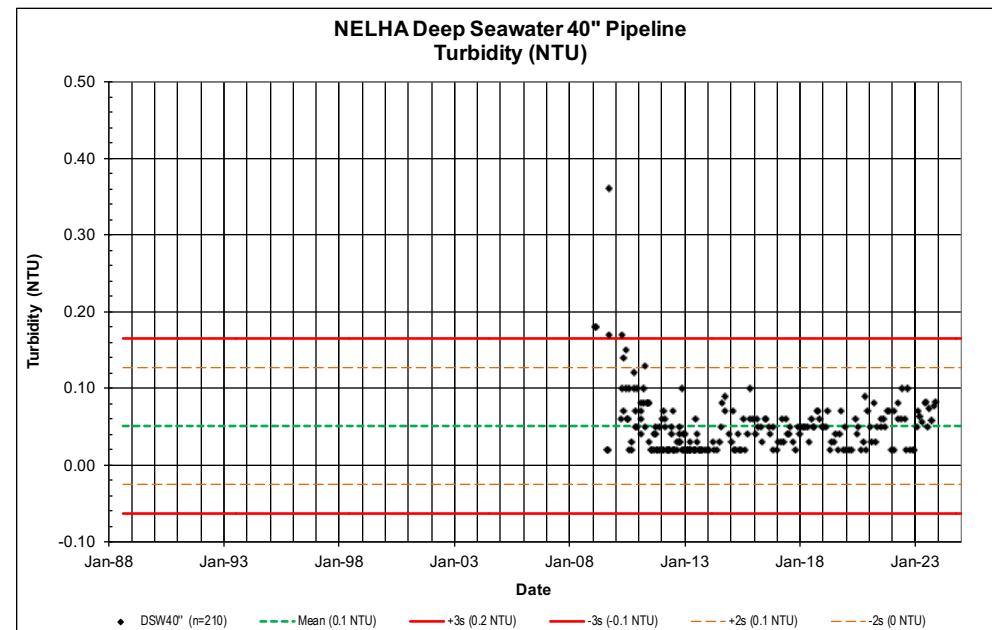
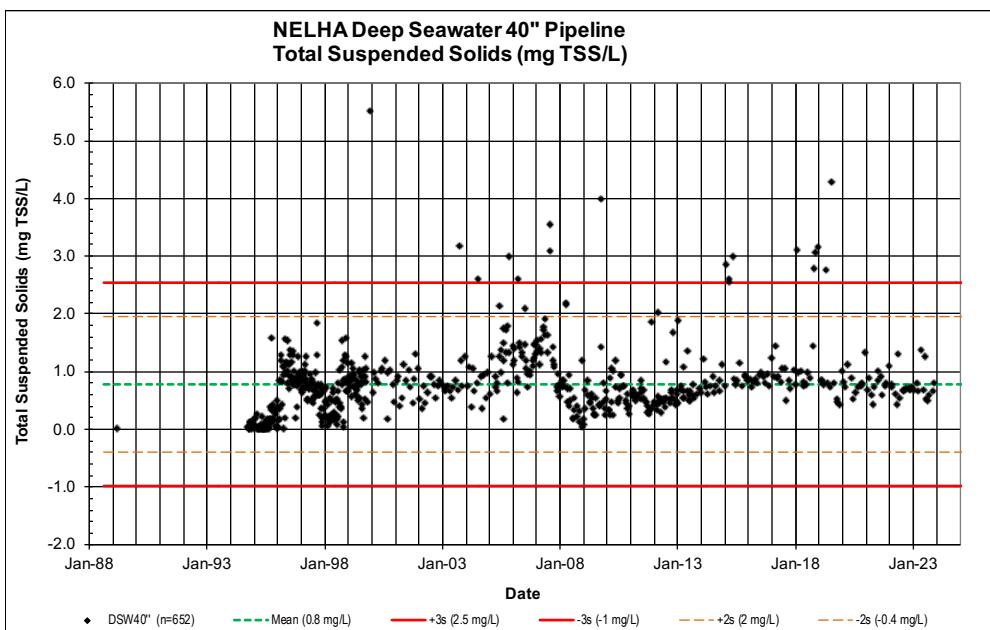
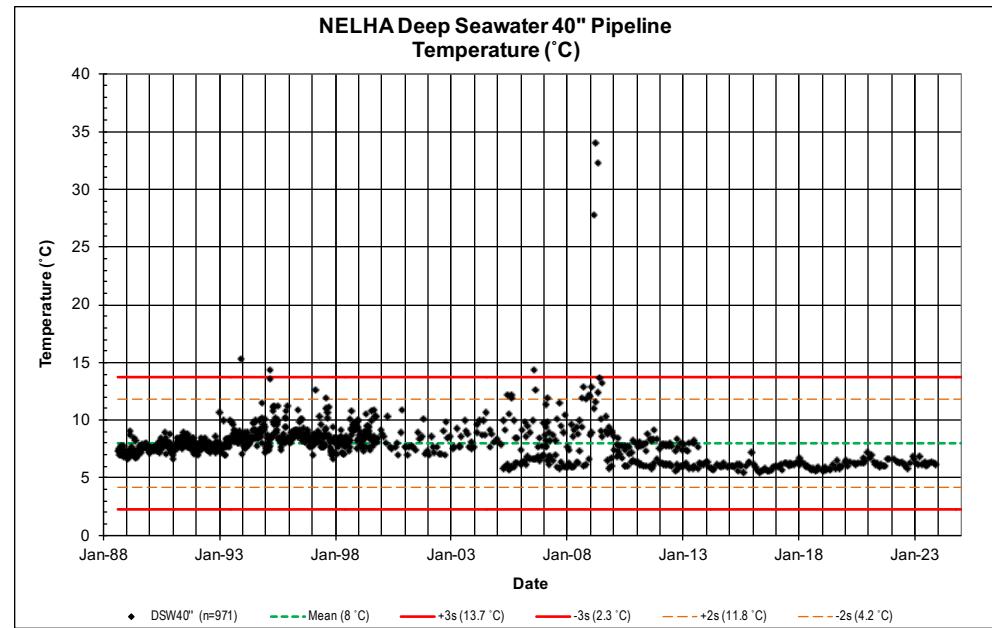
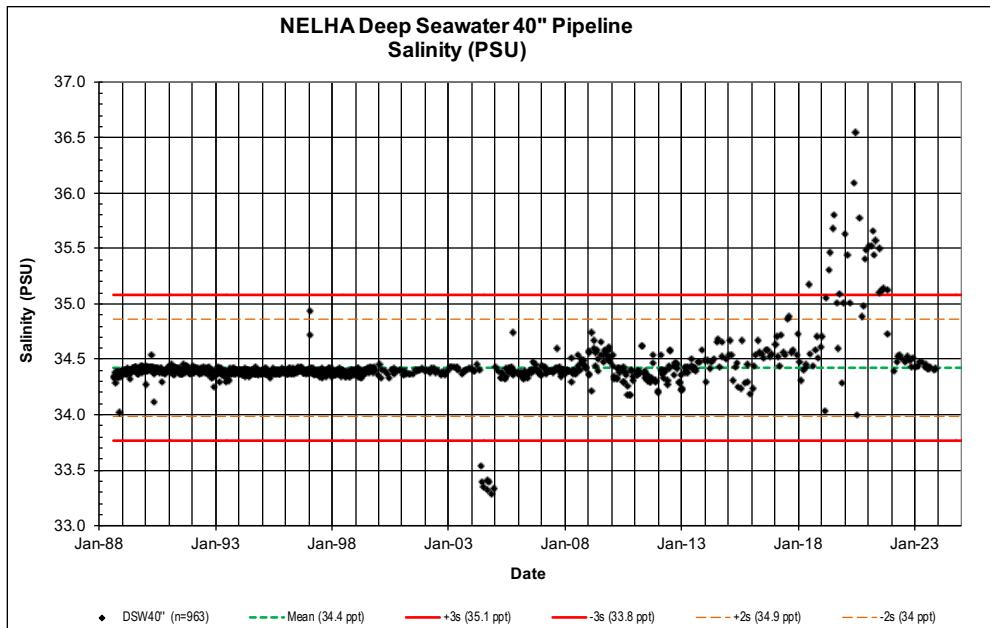
NELHA Deep Seawater 40" Pipeline
TDN ($\mu\text{g N/L}$)



NELHA Water Quality Laboratory
DSW 40"
Intake Depth: 674 m, Offshore Pipe Length: 1,916 m



NELHA Water Quality Laboratory
DSW 40"
Intake Depth: 674 m, Offshore Pipe Length: 1,916 m



NELHA Water Quality Laboratory
DSW 18"
Intake Depth: 628 m, Offshore Pipe Length: 1,834 m

| SITE ID | DATE M/D/Y | TIME (2400) | PO ₄ ³⁻ (μM) | PO ₄ ³⁻ (μg P/L) | NO _x ⁻ & NO ₂ ⁻ (μM) | NO _x ⁻ & NO ₂ ⁻ (μg N/L) | NH ₄ ⁺ & NH ₃ (μM) | NH ₄ ⁺ & NH ₃ (μg N/L) | Si (μM) | Si (μg Si/L) | TDP (μM) | TDP (μg P/L) | TDN (μM) | TDN (μg N/L) | TOC (mgC/L) | TSS (mg/L) | Turbidity (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL | |
|------------------|---------------|----------------|---------------------------------------|---|---|---|--|--|------------|-----------------|-------------|-----------------|-------------|-----------------|----------------|---------------|--------------------|----------------|-------------------|--------------|--------------|-------------|---------------------|---|--|
| DSW18" | 3/23/05 | | 2.9 | 90 | 40 | 564 | 0.22 | 3.1 | 85 | 2384 | 3.2 | 99 | 44.7 | 626 | 0.56 | 0.45 | | 2.37 | 34.310 | 7.2 | 7.63 | 1.32 | 31 | 5888 | |
| DSW18" | 4/21/05 | | 3.0 | 93 | 40 | 560 | 0.21 | 2.9 | 84 | 2357 | 3.1 | 96 | 39.4 | 552 | | 0.50 | | 2.35 | 34.353 | 6.9 | 7.62 | 1.31 | 8 | 167 | |
| DSW18" | 5/26/05 | 1000 | 2.9 | 90 | 38 | 531 | 0.22 | 3.1 | 77 | 2172 | 3.1 | 97 | 41.2 | 576 | 4.10 | | | 2.37 | 34.315 | 7.6 | 7.59 | 1.40 | 38 | 133 | |
| DSW18" | 6/16/05 | 942 | 2.9 | 89 | 38 | 529 | 0.41 | 5.7 | 80 | 2249 | 3.1 | 94 | 40.1 | 561 | 0.90 | | | 2.35 | 34.345 | 7.3 | 7.59 | 1.38 | 5 | 183 | |
| DSW18" | 7/27/05 | 933 | 2.9 | 91 | 38 | 534 | 0.07 | 1.0 | 80 | 2253 | 3.1 | 97 | 42.2 | 590 | | 0.60 | | 2.38 | 34.334 | 7.4 | 7.62 | 1.43 | 33 | 242 | |
| DSW18" | 8/1/05 | 848 | 2.9 | 90 | 39 | 545 | 0.25 | 3.5 | 81 | 2287 | 3.1 | 96 | 40.9 | 573 | | 1.53 | | 2.36 | 34.341 | 7.5 | 7.63 | 1.35 | 119 | 392 | |
| DSW18" | 9/14/05 | 920 | 3.0 | 93 | 39 | 551 | 0.31 | 4.3 | 82 | 2304 | 3.2 | 99 | 43.6 | 611 | | 0.92 | | 3.00 | 34.317 | 7.0 | 7.59 | 1.20 | 27 | 105 | |
| DSW18" | 10/10/05 | 1000 | 3.0 | 92 | 41 | 568 | 0.24 | 3.4 | 80 | 2254 | 3.2 | 99 | 43.8 | 613 | 0.71 | 1.33 | | 2.38 | 34.304 | 6.8 | 7.61 | 1.28 | 10 | 53 | |
| DSW18" | 11/2/05 | 903 | 2.9 | 91 | 39 | 551 | 0.26 | 3.6 | 80 | 2239 | 3.1 | 96 | 43.2 | 605 | 0.78 | 0.77 | | 3.00 | 34.318 | 6.8 | 7.60 | 1.38 | 68 | 131 | |
| DSW18" | 12/20/05 | 859 | 2.8 | 87 | 38 | 531 | 0.41 | 5.7 | 72 | 2019 | 3.0 | 94 | 41.2 | 576 | | 0.59 | 1.18 | 2.59 | 34.278 | 7.4 | 7.60 | 1.58 | 50 | 192 | |
| DSW18" | 1/26/06 | 916 | 3.0 | 91 | 41 | 568 | 0.25 | 3.5 | 85 | 2389 | 3.1 | 97 | 43.6 | 611 | | 1.23 | | 2.24 | 34.351 | 6.8 | 7.58 | 1.05 | 27 | 131 | |
| DSW18" | 2/28/06 | 1005 | 3.1 | 96 | 40 | 561 | 0.43 | 6.0 | 83 | 2330 | 3.4 | 107 | 45.4 | 636 | | 0.85 | | 2.29 | 34.330 | 6.7 | 7.59 | 1.05 | 14 | 64 | |
| DSW18" | 3/23/06 | 935 | 3.0 | 92 | 40 | 562 | 0.38 | 5.3 | 84 | 2356 | 3.3 | 101 | 42.2 | 591 | | 0.85 | | 2.24 | 34.331 | 6.9 | 7.58 | 1.15 | 19 | 42 | |
| DSW18" | 4/18/06 | 1018 | 3.0 | 92 | 41 | 573 | 0.17 | 2.4 | 79 | 2210 | 3.0 | 94 | 40.1 | 561 | 0.59 | 1.50 | | 2.32 | 34.344 | 7.2 | 7.59 | 1.13 | 37 | 64 | |
| DSW18" | 5/18/06 | 1010 | 2.9 | 89 | 38 | 532 | 0.15 | 2.1 | 76 | 2134 | 3.1 | 96 | 40.3 | 564 | 0.63 | 1.25 | | 2.36 | 34.303 | 7.3 | 7.59 | 1.23 | 106 | 428 | |
| DSW18" | 6/29/06 | 944 | 2.9 | 90 | 39 | 543 | 0.24 | 3.4 | 77 | 2149 | 3.1 | 96 | 43.2 | 605 | 0.72 | 1.75 | | 2.32 | 34.335 | 7.8 | 7.59 | 1.23 | 138 | 622 | |
| DSW18" | 7/25/06 | 1010 | 2.9 | 89 | 40 | 566 | 0.26 | 3.6 | 80 | 2255 | 3.1 | 95 | 36.1 | 506 | 0.63 | 1.23 | | 2.33 | 34.388 | 7.8 | 7.59 | 1.26 | 97 | 139 | |
| DSW18" | 8/10/06 | 1035 | 2.8 | 86 | 39 | 548 | 0.26 | 3.6 | 77 | 2149 | 3.0 | 94 | 37.9 | 531 | 0.58 | 1.40 | | 1.94 | 34.334 | 7.6 | 7.57 | 1.26 | 56 | 136 | |
| DSW18" | 9/21/06 | 1035 | 2.8 | 88 | 41 | 567 | 0.08 | 1.1 | 76 | 2137 | 3.0 | 94 | 37.8 | 529 | 0.60 | 1.30 | | 2.07 | 34.347 | 7.6 | 7.59 | 1.26 | 213 | 247 | |
| DSW18" | 10/26/06 | 1015 | 2.9 | 90 | 43 | 601 | 0.29 | 4.1 | 82 | 2306 | 3.1 | 96 | 40.4 | 565 | 0.62 | 0.78 | | 2.65 | 34.378 | 7.5 | 7.61 | 1.18 | 288 | 589 | |
| DSW18" | 11/30/06 | 1040 | 2.8 | 88 | 41 | 570 | 0.19 | 2.7 | 79 | 2205 | 3.1 | 96 | 37.4 | 524 | 0.58 | 1.95 | | 2.73 | 34.350 | 7.4 | 7.58 | 1.07 | 460 | 1891 | |
| DSW18" | 12/14/06 | 1024 | 2.9 | 90 | 39 | 539 | 0.21 | 2.9 | 79 | 2205 | 3.1 | 96 | 37.1 | 520 | 0.57 | 2.13 | | 2.41 | 34.362 | 7.3 | 7.58 | 1.29 | 384 | 1763 | |
| Pipeline sheared | | | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 12/3/09 | 1007 | 3.0 | 93 | 39 | 547 | 0.4 | 5.1 | 86 | 2419 | 3.0 | 91 | 42.4 | 594 | | 0.75 | | | | 34.442 | 7.0 | 7.60 | 1.14 | | |
| DSW18" | 1/14/10 | 1021 | 3.1 | 95 | 41 | 572 | 0.3 | 4.8 | 83 | 2334 | 3.1 | 96 | 42.7 | 598 | | 0.13 | | | | 34.546 | 7.1 | 7.81 | 1.48 | | |
| DSW18" | 2/16/10 | 1200 | 2.9 | 91 | 42 | 595 | 0.3 | 3.8 | 78 | 2202 | 3.0 | 94 | 44.5 | 623 | | 0.58 | | | | 34.34 | 7.2 | 7.61 | 1.26 | | |
| DSW18" | 3/15/10 | 949 | 3.1 | 95 | 42 | 593 | 0.1 | 1.4 | 96 | 2688 | 3.0 | 93 | 44.8 | 627 | | 0.57 | | | | 34.34 | 6.8 | 7.58 | 1.26 | | |
| DSW18" | 4/1/10 | 908 | 3.2 | 98 | 40 | 563 | 0.2 | 3.1 | 85 | 2379 | 3.1 | 97 | 44.3 | 621 | | 0.23 | 0.04 | | | 34.441 | 6.7 | 7.59 | 1.13 | | |
| DSW18" | 5/10/10 | 917 | 2.9 | 89 | 41 | 574 | 0.3 | 4.1 | 94 | 2651 | 2.9 | 91 | 42.5 | 596 | | 0.90 | 0.08 | | | 34.36 | 7.0 | 7.56 | 1.43 | | |
| DSW18" | 6/23/10 | 950 | 2.9 | 91 | 43 | 603 | 0.1 | 1.5 | 90 | 2530 | 3.0 | 91 | 45.8 | 642 | | 0.50 | 0.05 | | | 34.347 | 6.9 | 7.59 | 1.34 | | |
| DSW18" | 7/1/10 | 1103 | 2.87 | 89 | 43 | 596 | 0.2 | 2.7 | 85 | 2389 | 2.9 | 90 | 45.9 | 643 | | 0.60 | 0.05 | | | 34.227 | 7.0 | 7.58 | 1.46 | | |
| DSW18" | 8/5/10 | 1000 | 2.92 | 90 | 42 | 585 | 0.0 | 0.5 | 90 | 2520 | 2.9 | 89 | 45.2 | 633 | | 1.45 | 0.31 | | | 34.31 | 21.3 | 7.54 | 1.45 | | |
| DSW18" | 9/2/10 | 1004 | 2.78 | 86 | 42 | 584 | 0.2 | 3.2 | 80 | 2241 | 2.9 | 89 | 45.2 | 634 | | 0.93 | 0.35 | | | 34.33 | 22.9 | 7.53 | 0.85 | | |
| DSW18" | 10/18/10 | 949 | 3.02 | 93 | 44 | 621 | 0.1 | 1.4 | 83 | 2341 | 3.1 | 95 | 48.1 | 674 | | 0.30 | 0.26 | | | 34.23 | 22.2 | 7.54 | 1.17 | | |
| DSW18" | 11/4/10 | 1012 | 2.75 | 85 | 41 | 581 | 0.0 | 0.5 | 98 | 2754 | 2.8 | 88 | 44.1 | 617 | | 0.50 | 0.64 | | | 34.44 | 22.0 | 7.56 | 1.10 | | |
| DSW18" | 12/1/10 | 1019 | 2.96 | 92 | 43 | 599 | 0.0 | 0.6 | 89 | 2494 | 2.9 | 91 | 46.9 | 658 | | 0.23 | 0.16 | | | 34.36 | 21.7 | 7.56 | 1.01 | | |
| DSW18" | 1/25/11 | 1006 | 3.12 | 97 | 43 | 608 | 0.3 | 4.4 | 89 | 2502 | 3.1 | 97 | 45.4 | 636 | | 0.60 | 0.18 | | | 34.40 | 21.1 | 7.52 | 2.02 | | |
| DSW18" | 2/8/11 | 1014 | 3.11 | 96 | 43 | 599 | 0.6 | 8.4 | 88 | 2462 | 3.2 | 99 | 46.8 | 656 | | 0.63 | 0.21 | | | 34.443 | 22.1 | 7.62 | 1.12 | | |
| DSW18" | 3/7/11 | 1112 | 3.13 | 97 | 43 | 599 | 0.3 | 4.7 | 89 | 2500 | 3.2 | 101 | 45.6 | 639 | | 0.68 | 0.06 | | | 34.34 | 21.9 | 7.64 | 1.19 | | |
| DSW18" | 4/11/11 | 1135 | 3.08 | 95 | 45 | 626 | 0.1 | 1.3 | 91 | 2553 | 3.1 | 96 | 49.1 | 687 | | 0.62 | 0.13 | | | 34.69 | 21.5 | 7.55 | 1.06 | | |
| DSW18" | 5/25/11 | 928 | 2.91 | 90 | 43 | 600 | 0.2 | 2.6 | 88 | 2478 | 2.8 | 86 | 46.0 | 644 | | 0.83 | 0.26 | | | 34.39 | 22.1 | 7.60 | 1.73 | | |
| DSW18" | 6/13/11 | 1045 | 2.86 | 89 | 44 | 615 | 0.2 | 3.1 | 87 | 2438 | 2.9 | 89 | 46.8 | 656 | | 0.68 | 0.10 | | | 34.441 | 21.9 | 7.58 | 1.25 | | |
| DSW18" | 7/21/11 | 913 | 3.02 | 94 | 42 | 591 | 0.2 | 2.6 | 88 | 2476 | 3.0 | 93 | 44.8 | 627 | | 0.57 | 0.05 | | | 34.340 | 22.9 | 7.53 | 0.99 | | |
| DSW18" | 8/22/11 | 1026 | 2.79 | 86 | 42 | 584 | 0.0 | 0.1 | 92 | 2571 | 2.8 | 86 | 45.4 | 635 | | 0.49 | 0.08 | | | 34.440 | 23.9 | 7.58 | 1.19 | | |
| DSW18" | 9/15/11 | 1000 | 2.74 | 85 | 40 | 563 | 0.1 | 0.9 | 85 | 2390 | 2.8 | 86 | 42.7 | 597 | | 0.37 | 0.10 | | | 34.338 | 23.5 | 7.48 | 1.46 | | |
| DSW18" | 10/4/11 | 818 | 2.74 | 85 | 41 | 576 | 0.0 | 0.3 | 84 | 2371 | 3.0 | 92 | 44.1 | 618 | | 0.24 | 0.07 | | | 34.441 | 23.6 | 7.42 | 1.04 | | |
| DSW18" | 11/21/11 | 1227 | 2.98 | 92 | 43 | 596 | 0.0 | 0.6 | 84 | 2348 | 3.0 | 91 | 47.5 | 665 | | 0.30 | 0.02 | | | 34.29 | 19.2 | 7.65 | 0.99 | | |
| DSW18" | 12/27/11 | 1041 | 2.91 | 90 | 43 | 602 | 0.1 | 1.3 | 86 | 2407 | 2.9 | 89 | 47.6 | 667 | | 0.16 | 0.05 | | | 34.28 | 16.4 | 7.54 | 1.10 | | |
| DSW18" | 1/30/12 | 1042 | 2.71 | 84 | 43 | 596 | 0.0 | 0.1 | 84 | 2355 | 2.8 | 87 | 46.7 | 654 | | 1.08 | 0.05 | | | 34.51 | 16.9 | 7.51 | 1.06 | | |
| DSW18" | 2/27/12 | 1042 | 2.92 | 90 | 42 | 582 | 0.0 | 0.1 | 84 | 234 | | | | | | | | | | | | | | | |

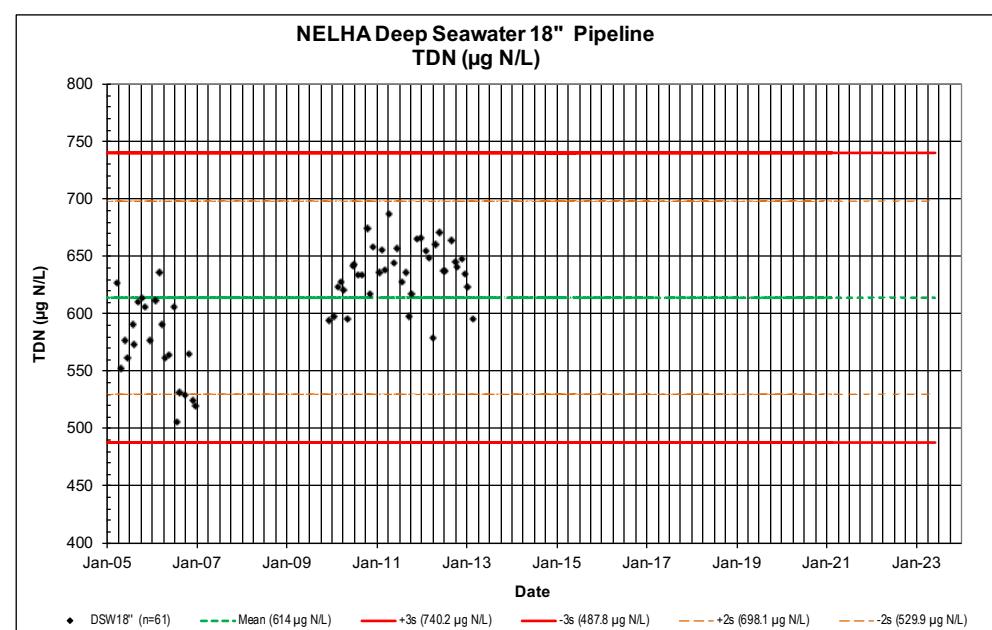
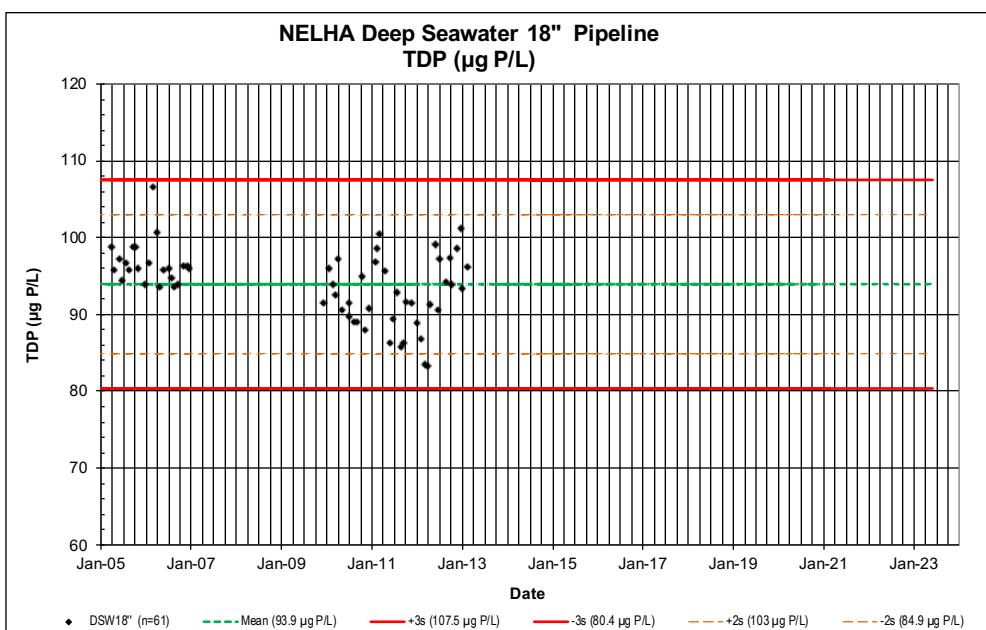
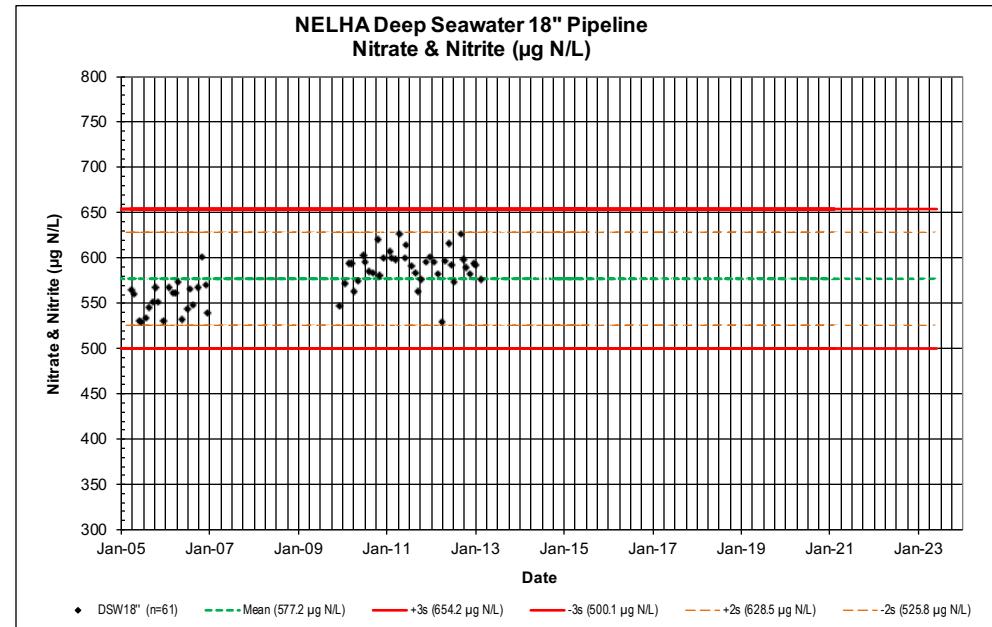
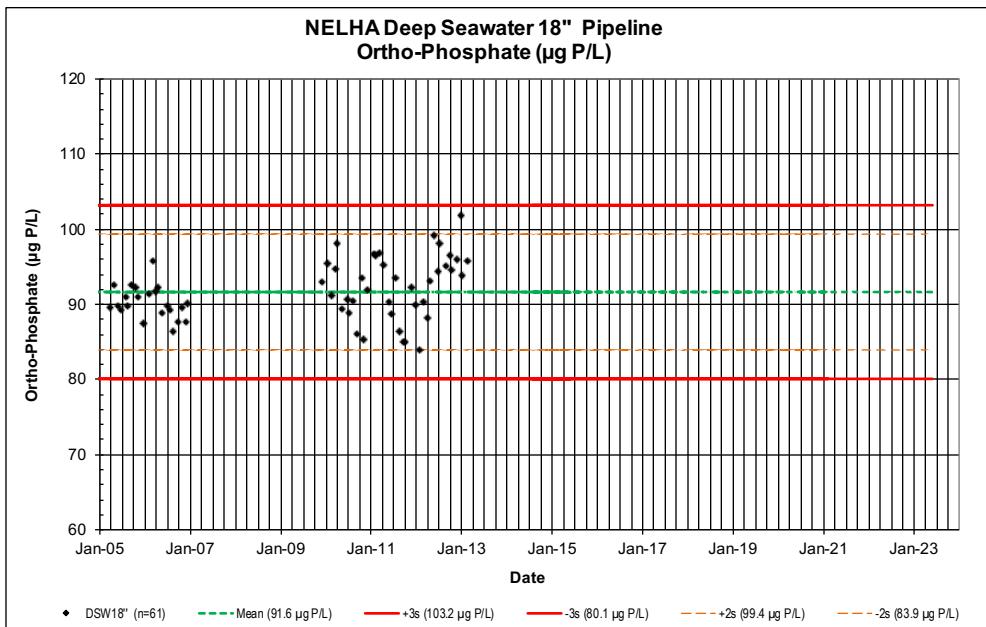
NELHA Water Quality Laboratory
DSW 18"
Intake Depth: 628 m, Offshore Pipe Length: 1,834 m

| SITE ID | DATE M/D/Y | TIME (2400) | PO ₄ ³⁻ (µM) | (µg P/L) | NO ₃ ⁻ & NO ₂ ⁻ (µM) | (µg N/L) | NH ₄ ⁺ & NH ₃ (µM) | (µg N/L) | Si (µM) | (µg Si/L) | TDP (µM) | (µg P/L) | TDN (µM) | (µg N/L) | TOC (mgC/L) | TSS (mg/L) | Turbidity (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL | |
|---------|---------------|---|---------------------------------------|----------|---|----------|--|----------|------------|-----------|-------------|----------|-------------|----------|----------------|---------------|--------------------|----------------|-------------------|--------------|--------------|-------------|---------------------|---|--|
| DSW18" | 7/3/12 | 822 | 3.16 | 98 | 41 | 573 | 0.2 | 3.0 | 78 | 2182 | 3.1 | 97 | 45.5 | 637 | | 1.03 | 0.02 | | 34.48 | 7.1 | 7.45 | 1.35 | | | |
| DSW18" | 8/27/12 | 1112 | 3.07 | 95 | 45 | 627 | 0.2 | 3.0 | 91 | 2565 | 3.0 | 94 | 47.4 | 664 | | 1.08 | 0.06 | | 34.41 | 6.5 | 7.55 | 1.29 | | | |
| DSW18" | 9/26/12 | 1055 | 3.12 | 97 | 43 | 599 | 0.2 | 2.6 | 93 | 2611 | 3.1 | 97 | 46.1 | 645 | | 0.69 | 0.03 | | 34.46 | 6.2 | 7.44 | 1.35 | | | |
| DSW18" | 10/10/12 | 1005 | 3.05 | 95 | 42 | 589 | 0.1 | 2.1 | 89 | 2490 | 3.0 | 94 | 45.7 | 640 | | 0.52 | 0.10 | | 34.44 | 6.4 | 7.48 | 1.30 | | | |
| DSW18" | 11/19/12 | 1331 | 3.10 | 96 | 42 | 582 | 0.1 | 1.5 | 90 | 2517 | 3.2 | 99 | 46.2 | 648 | | 0.53 | 0.02 | | 34.33 | 6.8 | 7.62 | 1.41 | | | |
| DSW18" | 12/19/12 | 954 | 3.29 | 102 | 42 | 594 | 0.2 | 2.8 | 90 | 2538 | 3.3 | 101 | 45.3 | 634 | | 0.70 | 0.02 | | 34.31 | 6.7 | 7.56 | 1.46 | | | |
| DSW18" | 1/4/13 | 1025 | 3.03 | 94 | 42 | 592 | 0.1 | 0.9 | 90 | 2534 | 3.0 | 93 | 44.5 | 623 | | 0.42 | 0.02 | | 34.42 | 6.8 | 7.62 | 1.46 | | | |
| DSW18" | 2/13/13 | 1033 | 3.09 | 96 | 41 | 576 | 0.0 | 0.1 | 81 | 2280 | 3.1 | 96 | 42.5 | 596 | | 0.55 | 0.02 | | 34.36 | 6.9 | 7.56 | 1.72 | | | |
| DSW18" | 3/18/13 | No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 4/3/13 | No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 5/29/13 | No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 6/13/13 | No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 7/1/13 | No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 8/14/13 | No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 9/18/13 | No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 10/10/13 | No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 11/21/13 | No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 12/23/13 | No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 1/23/14 | No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 2/12/14 | No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 3/17/14 | No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 4/10/14 | No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 5/13/14 | No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 6/24/14 | No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 7/23/14 | No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 8/11/14 | No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 9/29/14 | No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 10/11/14 | No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 11/25/14 | No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 12/30/14 | No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 1/21/15 | No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 2/18/15 | No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 3/9/15 | No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 4/28/15 | No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 5/14/15 | No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 6/3/15 | No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 7/23/14 | No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 8/14/15 | No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 9/16/15 | No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 10/28/15 | No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 11/5/15 | No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 12/9/15 | No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 1/15/16 | No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 2/11/16 | No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 3/3/16 | No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 4/12/16 | No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 5/10/16 | No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 6/15/16 | No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 7/1/16 | No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 8/25/16 | No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 9/15/16 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 10/20/16 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 11/4/16 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 12/29/16 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 1/27/17 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 2/23/17 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 3/17/17 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 4/10/17 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 5/17/17 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 6/13/17 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 7/13/17 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 8/2/17 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 9/12/17 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 10/12/17 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 11/29/17 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 12/27/17 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 1/1/18 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 2/14/18 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 3/23/18 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 4/24/18 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 5/8/18 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 6/20/18 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | | |

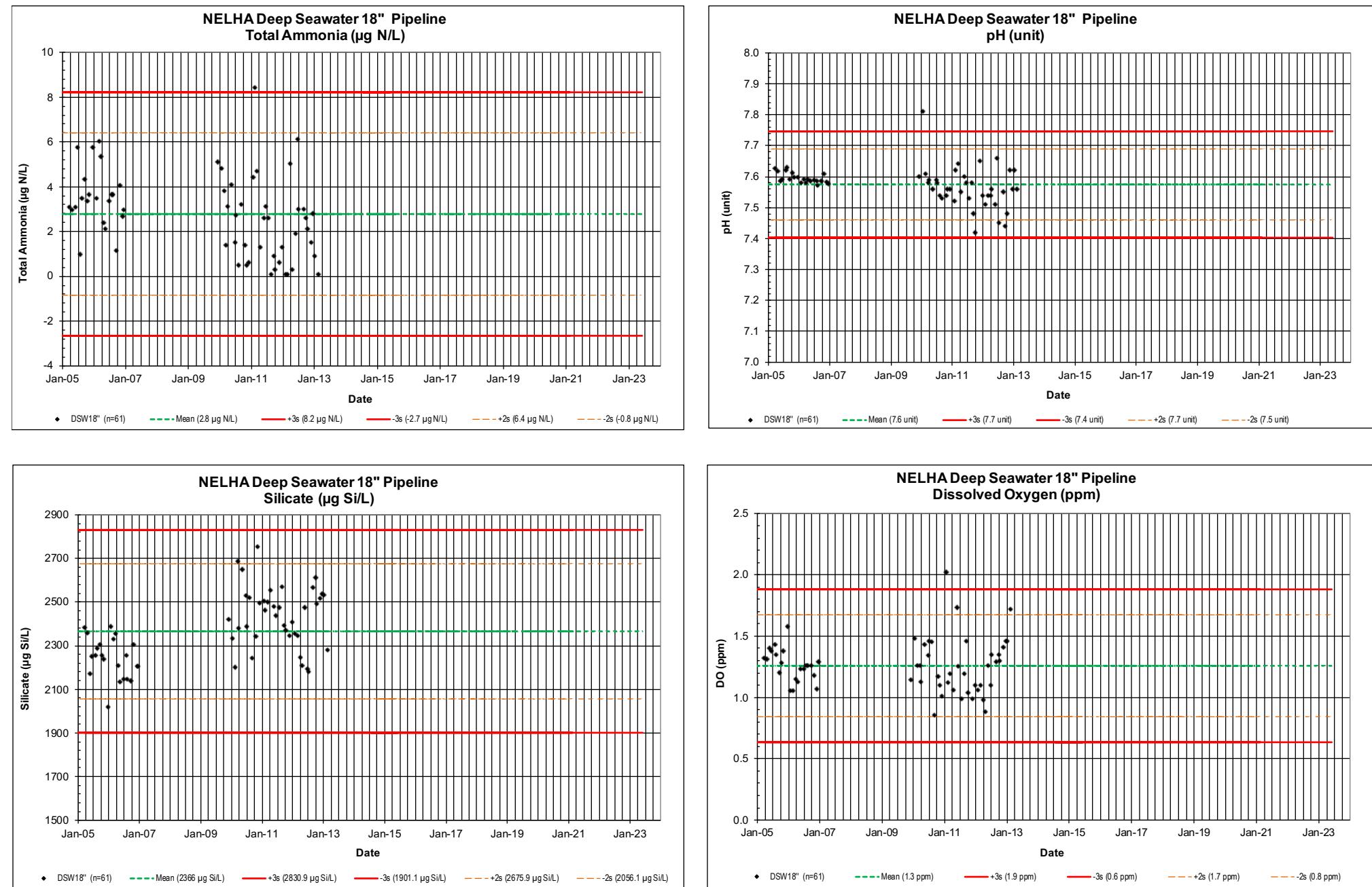
NELHA Water Quality Laboratory
DSW 18"
Intake Depth: 628 m, Offshore Pipe Length: 1,834 m

| SITE ID | DATE M/D/Y | TIME (2400) | PO ₄ ³⁻ (µM) | (µg P/L) | NO ₃ ⁻ & NO ₂ ⁻ (µM) | (µg N/L) | NH ₄ ⁺ & NH ₃ (µM) | (µg N/L) | Si (µM) | (µg Si/L) | TDP (µM) | (µg P/L) | TDN (µM) | (µg N/L) | TOC (mgC/L) | TSS (mg/L) | Turbidity (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL |
|---------------------------|---------------|---------------------------------|---------------------------------------|----------|---|----------|--|----------|------------|-----------|-------------|----------|-------------|----------|----------------|---------------|--------------------|----------------|-------------------|--------------|--------------|-------------|---------------------|---|
| DSW18" | 7/12/18 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 8/13/18 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 9/1/18 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 10/11/18 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 11/2/18 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 12/21/18 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 1/15/19 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 2/13/19 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 3/7/19 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 4/25/19 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 5/7/19 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 6/20/19 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 7/17/19 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 8/23/19 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 9/26/19 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 10/8/19 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 11/14/19 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 12/17/19 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 1/9/20 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 2/4/20 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 3/17/20 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 4/1/20 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 5/2/20 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 6/9/20 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 7/14/20 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 8/25/20 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 9/30/20 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 10/14/20 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 11/4/20 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 12/4/20 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 1/14/21 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 2/11/21 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 3/24/21 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 4/13/21 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 5/4/21 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 6/22/21 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 7/1/21 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 8/1/21 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 9/1/21 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 10/1/21 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 11/1/21 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 12/1/21 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 1/1/22 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 2/1/22 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 3/1/22 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 4/1/22 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 5/1/22 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 6/1/22 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 7/1/22 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 8/1/22 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 9/1/22 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 10/1/22 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 11/1/22 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 12/1/22 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 1/1/23 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 2/1/23 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 3/1/23 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 4/1/23 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 5/1/23 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| DSW18" | 6/1/23 | No Sample - 18" DSW Pump Broken | | | | | | | | | | | | | | | | | | | | | | |
| Mean (Mar. '05 - present) | | | 3.0 | 92 | 41 | 577 | 0.20 | 2.8 | 84 | 2366 | 3.0 | 94 | 44 | 614 | 0.63 | 0.84 | 0.11 | 2.41 | 34.37 | 7.19 | 7.57 | 1.26 | 101 | 618 |
| STD DEV | | | 0.1 | 4 | 2 | 26 | 0.13 | 1.8 | 6 | 155 | 0.1 | 5 | 3 | 42 | 0.07 | 0.61 | 0.13 | 0.25 | 0.08 | 0.33 | 0.06 | 0.21 | 126 | 1279 |
| Range | | | UWL | +2s | 3.21 | 99 | 45 | 629 | 0.46 | 6.4 | 95 | 2676 | 3.3 | 103 | 49.8 | 698 | 0.76 | 2.06 | 0.36 | 2.91 | 34.535 | 7.8 | 7.69 | 1.67 |
| | | | LWL | -2s | 2.71 | 84 | 38 | 526 | -0.06 | -0.8 | 73 | 2056 | 2.7 | 85 | 37.8 | 530 | 0.49 | -0.37 | -0.15 | 1.91 | 34.209 | 6.5 | 7.46 | 0.84 |
| | | | UCL | +3s | 3.33 | 103 | 47 | 654 | 0.59 | 8.2 | 101 | 2831 | 3.5 | 108 | 52.8 | 740 | 0.82 | 2.67 | 0.49 | 3.17 | 34.616 | 8.2 | 7.75 | 1.88 |
| | | | LCL | -3s | 2.59 | 80 | 36 | 500 | -0.19 | -2.7 | 68 | 1901 | 2.6 | 80 | 34.8 | 488 | 0.43 | -0.98 | -0.27 | 1.65 | 34.127 | 6.2 | 7.40 | 0.63 |
| Data | | | Max. Value | | 3.3 | 102 | 45 | 627 | 0.60 | 8.4 | 98 | 2754 | 3.4 | 107 | 49.1 | 687 | 0.78 | 4.10 | 0.64 | 3.00 | 34.690 | 23.9 | 7.81 | 2.02 |
| | | | Min. Value | | 2.7 | 84 | 38 | 529 | 0.01 | 0.1 | 72 | 2019 | 2.7 | 83 | 36.1 | 506 | 0.56 | 0.13 | 0.02 | 1.94 | 34.210 | 6.2 | 7.42 | 0.85 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
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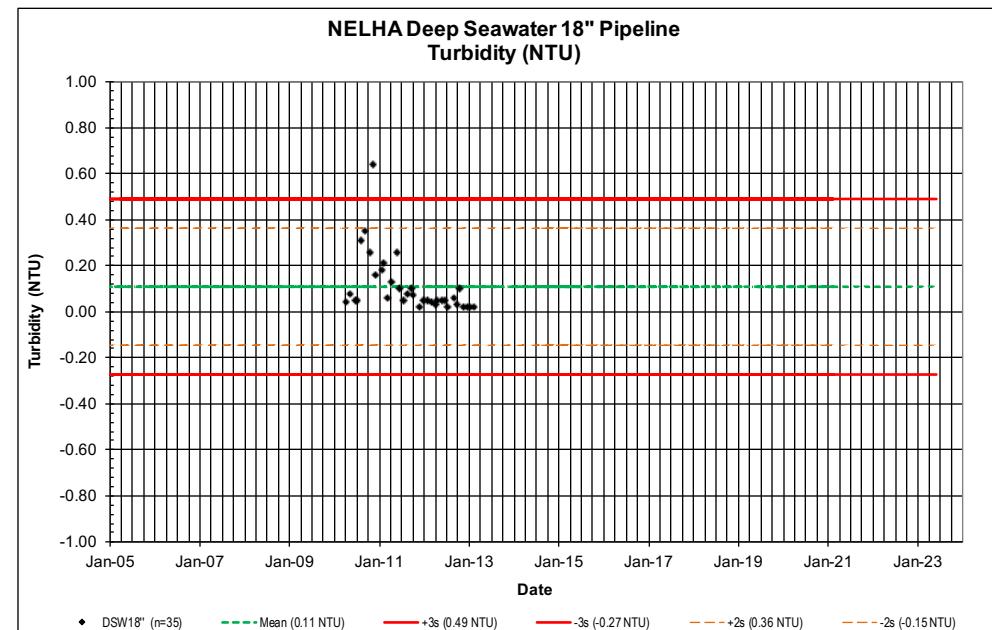
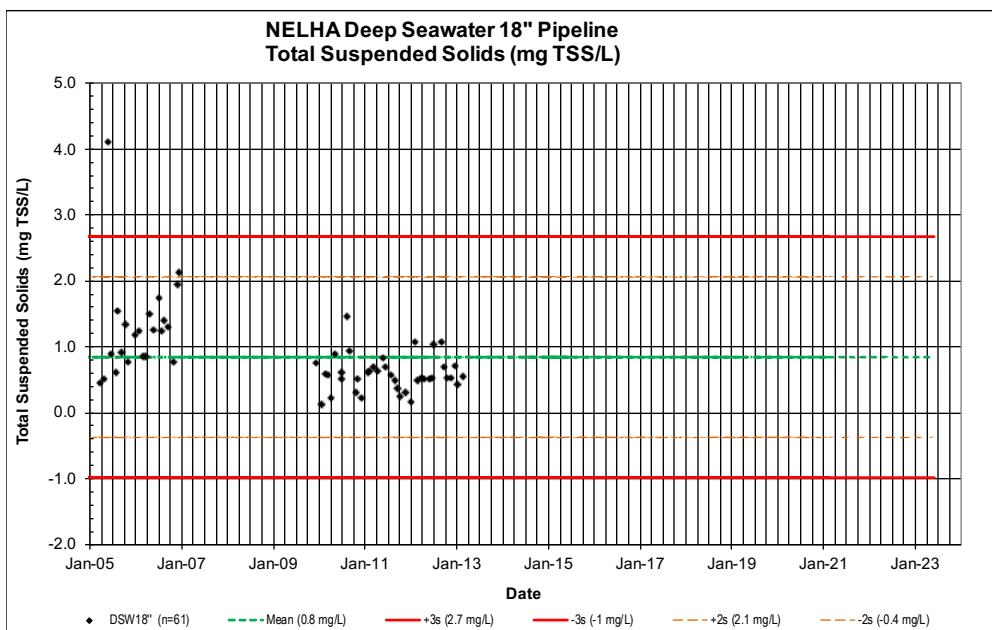
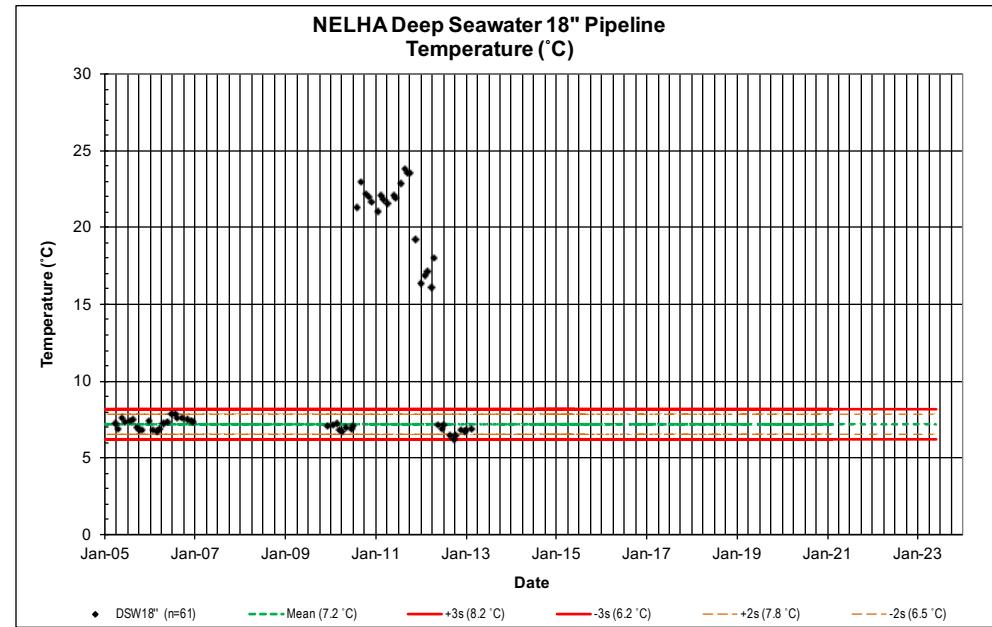
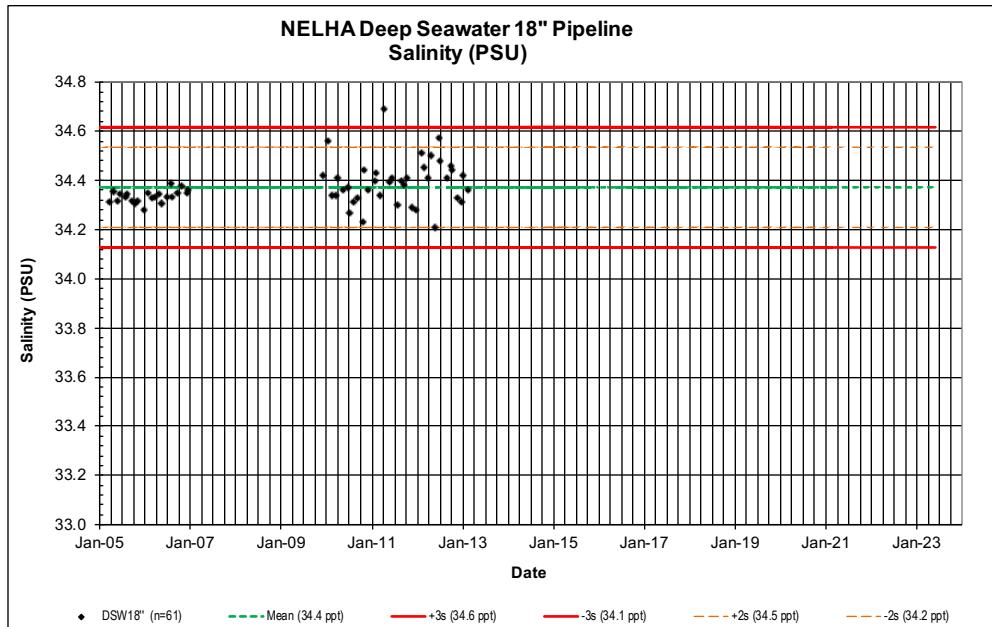
NELHA Water Quality Laboratory
DSW 18" KP
Intake Depth: 628 m, Offshore Pipe Length: 1834 m



NELHA Water Quality Laboratory
DSW 18" KP
Intake Depth: 628 m, Offshore Pipe Length: 1834 m



NELHA Water Quality Laboratory
DSW 18" KP
Intake Depth: 628 m, Offshore Pipe Length: 1834 m



NELHA Water Quality Laboratory

DSW 55"

Intake Depth: 915 m, Offshore Pipe Length: 3,124 m

| SITE ID | DATE MDY | TIME (2400) | PO ₄ ³⁻ (µM) | (µg P/L) | NO ₃ ⁻ & NO ₂ ⁻ (µM) | (µg N/L) | NH ₄ ⁺ & NH ₃ (µM) | (µg N/L) | Si (µg Si/L) | TDP (µg P/L) | (µM) | TDN (µg N/L) | TOC (mgC/L) | TSS (mg/L) | Turbidity (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL | |
|---------|-------------|----------------|---------------------------------------|----------|---|----------|--|----------|-----------------|-----------------|------|-----------------|----------------|---------------|--------------------|----------------|-------------------|--------------|--------------|-------------|---------------------|---|-------|
| DSW 55" | 8/11/05 | 920 | 3.0 | 94 | 41 | 568 | 0.27 | 3.8 | 105 | 2946 | 3.2 | 99 | 43 | 604 | 1.75 | | 2.39 | 34.469 | 5.8 | 7.65 | 1.45 | 43 | 309 |
| DSW 55" | 9/14/05 | 940 | 3.1 | 96 | 41 | 578 | 0.33 | 4.6 | 106 | 2971 | 3.3 | 102 | 44 | 610 | 1.48 | | 2.39 | 34.479 | 5.5 | 7.61 | 1.50 | 21 | 50800 |
| DSW 55" | 10/10/05 | 1025 | 3.1 | 96 | 43 | 603 | 0.23 | 3.2 | 109 | 3064 | 3.3 | 102 | 46 | 644 | 0.74 | | 2.41 | 34.498 | 5.1 | 7.64 | 1.64 | 6 | 5854 |
| DSW 55" | 11/2/05 | 927 | 3.1 | 95 | 43 | 597 | 0.27 | 3.8 | 106 | 2974 | 3.3 | 101 | 45 | 628 | 0.56 | | 2.58 | 34.491 | 5.4 | 7.62 | 1.59 | 147 | 247 |
| DSW 55" | 12/20/05 | 920 | 3.1 | 95 | 42 | 589 | 0.38 | 5.3 | 105 | 2952 | 3.2 | 100 | 45 | 625 | 0.51 | | 2.63 | 34.461 | 5.5 | 7.63 | 1.69 | 35 | 189 |
| DSW 55" | 1/26/06 | 937 | 3.0 | 94 | 41 | 576 | 0.25 | 3.5 | 108 | 3019 | 3.2 | 98 | 43 | 600 | 1.65 | | 2.25 | 34.468 | 5.8 | 7.60 | 1.47 | 27 | 564 |
| DSW 55" | 2/28/06 | 1036 | 3.2 | 98 | 41 | 578 | 0.34 | 4.8 | 103 | 2893 | 3.6 | 110 | 45 | 635 | 1.08 | | 2.18 | 34.465 | 5.8 | 7.61 | 1.48 | 143 | 400 |
| DSW 55" | 3/23/06 | 1016 | 3.0 | 94 | 41 | 571 | 0.45 | 6.3 | 103 | 2893 | 3.2 | 99 | 43 | 605 | 0.85 | | 2.24 | 34.469 | 5.7 | 7.60 | 1.39 | 18 | 122 |
| DSW 55" | 4/18/06 | 1044 | 3.1 | 95 | 42 | 584 | 0.19 | 2.7 | 103 | 2893 | 3.1 | 96 | 42 | 588 | 0.56 | | 2.36 | 34.466 | 5.7 | 7.63 | 1.48 | 788 | 1011 |
| DSW 55" | 5/18/06 | 1040 | 3.1 | 96 | 42 | 581 | 0.21 | 2.9 | 106 | 2977 | 3.3 | 103 | 43 | 595 | 0.56 | | 2.34 | 34.472 | 6.0 | 7.60 | 1.39 | 29 | 156 |
| DSW 55" | 6/29/06 | 920 | 3.1 | 96 | 41 | 581 | 0.27 | 3.8 | 100 | 2809 | 3.2 | 99 | 41 | 568 | 0.63 | | 2.06 | 34.467 | 5.8 | 7.60 | 1.31 | 51 | 203 |
| DSW 55" | 7/25/06 | 1032 | 3.0 | 92 | 42 | 587 | 0.25 | 3.5 | 99 | 2772 | 3.2 | 98 | 40 | 558 | 0.58 | | 1.79 | 34.483 | 6.5 | 7.59 | 1.52 | 136 | 533 |
| DSW 55" | 8/10/06 | 1056 | 2.9 | 90 | 41 | 576 | 0.27 | 3.8 | 97 | 2719 | 3.1 | 97 | 40 | 555 | 0.62 | | 2.06 | 34.403 | 6.5 | 7.59 | 1.54 | 113 | 302 |
| DSW 55" | 9/21/06 | 1054 | 3.0 | 91 | 43 | 605 | 0.08 | 1.1 | 99 | 2789 | 3.0 | 94 | 40 | 558 | 0.55 | | 2.02 | 34.480 | 5.4 | 7.59 | 1.41 | 15 | 44 |
| DSW 55" | 10/26/06 | 1034 | 3.0 | 92 | 44 | 616 | 0.27 | 3.8 | 98 | 2764 | 3.2 | 99 | 43 | 601 | 0.56 | | 2.51 | 34.470 | 6.0 | 7.61 | 1.38 | 61 | 297 |
| DSW 55" | 11/30/06 | 1059 | 3.0 | 92 | 41 | 580 | 0.22 | 3.1 | 99 | 2766 | 3.2 | 98 | 40 | 558 | 0.56 | | 2.50 | 34.478 | 6.0 | 7.60 | 1.34 | 22 | 67 |
| DSW 55" | 12/14/06 | 1110 | 3.0 | 94 | 40 | 566 | 0.29 | 4.1 | 96 | 2685 | 3.2 | 100 | 40 | 558 | 0.55 | | 2.43 | 34.461 | 5.8 | 7.59 | 1.28 | 13 | 47 |
| DSW 55" | 1/11/07 | 1027 | 3.0 | 94 | 43 | 597 | 0.36 | 5.0 | 98 | 2752 | 3.2 | 100 | 45 | 636 | 0.60 | | 2.41 | 34.476 | 5.8 | 7.60 | 1.35 | 94 | 736 |
| DSW 55" | 2/15/07 | 1045 | 3.1 | 95 | 42 | 590 | 0.44 | 6.2 | 98 | 2755 | 3.4 | 104 | 45 | 625 | 0.62 | | 2.38 | 34.480 | 6.1 | 7.62 | 1.35 | 26 | 158 |
| DSW 55" | 3/8/07 | 1045 | 3.0 | 92 | 44 | 619 | 0.25 | 3.5 | 102 | 2865 | 3.2 | 99 | 45 | 629 | 0.55 | | 2.39 | 34.470 | 6.1 | 7.62 | 1.40 | 43 | 256 |
| DSW 55" | 4/12/07 | 1100 | 2.9 | 89 | 39 | 545 | 0.23 | 3.2 | 98 | 2758 | 3.1 | 97 | 40 | 557 | 0.58 | | 2.28 | 34.481 | 6.0 | 7.62 | 1.37 | 105 | 1803 |
| DSW 55" | 5/9/07 | 1045 | 3.0 | 93 | 50 | 705 | 0.24 | 3.4 | 99 | 2780 | 3.4 | 104 | 42 | 594 | 0.65 | | 2.07 | 34.472 | 5.8 | 7.62 | 1.47 | 30 | 128 |
| DSW 55" | 6/27/07 | 1025 | 3.0 | 94 | 46 | 642 | 0.01 | 0.1 | 91 | 2552 | 3.1 | 96 | 50 | 701 | 1.23 | | 2.55 | 34.474 | 6.2 | 7.63 | 1.34 | 178 | 1378 |
| DSW 55" | 7/30/07 | 1335 | 3.1 | 96 | 45 | 636 | 0.11 | 1.5 | 96 | 2700 | 2.5 | 77 | 42 | 587 | 1.15 | | 2.52 | 34.650 | 5.5 | 7.61 | 1.58 | | |
| DSW 55" | 8/30/07 | 907 | 3.0 | 93 | 44 | 622 | 0.01 | 0.1 | 90 | 2533 | 2.6 | 79 | 43 | 603 | | | 2.47 | 34.506 | 5.9 | 7.81 | 1.47 | | |
| DSW 55" | 9/24/07 | 952 | 3.0 | 93 | 45 | 629 | 0.05 | 0.7 | 96 | 2705 | 2.4 | 73 | 49 | 690 | 1.03 | | 1.99 | 34.580 | 5.6 | 7.96 | 1.56 | | |
| DSW 55" | 10/30/07 | 1353 | 3.0 | 92 | 43 | 608 | 0.01 | 0.1 | 99 | 2783 | 2.6 | 80 | 49 | 682 | 0.73 | | 2.60 | 34.484 | 5.6 | 749 | 1.50 | | |
| DSW 55" | 11/27/07 | 1416 | 3.2 | 98 | 49 | 685 | 0.69 | 9.6 | 95 | 2670 | 3.3 | 102 | 52 | 734 | 0.83 | | 2.54 | 34.522 | 5.3 | 763 | 1.84 | | |
| DSW 55" | 12/31/07 | 1105 | 2.7 | 83 | 40 | 562 | 0.66 | 9.3 | 69 | 1926 | 3.2 | 100 | 50 | 694 | 0.40 | | 2.53 | 34.482 | 5.5 | 765 | 1.61 | | |
| DSW 55" | 1/30/08 | 902 | 2.9 | 89 | 43 | 603 | 0.55 | 7.7 | 88 | 2474 | 3.0 | 93 | 47 | 662 | 0.75 | | 2.42 | 34.500 | 5.6 | 770 | 1.25 | | |
| DSW 55" | 2/28/08 | 1306 | 2.9 | 89 | 42 | 590 | 0.05 | 0.7 | 90 | 2529 | 2.6 | 79 | 42 | 587 | 0.68 | | 2.72 | 34.490 | 5.4 | 763 | 1.67 | | |
| DSW 55" | 3/31/08 | 1117 | 2.9 | 91 | 44 | 613 | 0.05 | 0.7 | 90 | 2536 | 2.6 | 81 | 44 | 620 | 1.35 | | 2.50 | 34.560 | 5.4 | 755 | 1.55 | | |
| DSW 55" | 4/25/08 | 855 | 2.8 | 86 | NA | NA | 0.15 | 2.1 | 97 | 2715 | 2.6 | 81 | 41 | 579 | 0.48 | | 2.48 | 34.478 | 5.6 | 762 | 1.62 | | |
| DSW 55" | 5/23/08 | 1210 | 2.6 | 81 | 43 | 605 | 0.49 | 6.9 | NA | NA | 2.4 | 73 | 45 | 637 | 0.65 | | 2.43 | 34.450 | 5.7 | 771 | 1.68 | | |
| DSW 55" | 6/10/08 | 1105 | 2.6 | 80 | 41 | 576 | 0.18 | 2.5 | 89 | 2507 | 2.4 | 75 | 43 | 598 | 0.53 | | NA | 34.450 | 5.4 | 765 | 1.74 | | |
| DSW 55" | 7/18/08 | 1018 | 2.6 | 81 | 43 | 605 | 0.09 | 1.3 | 95 | 2676 | 2.1 | 65 | 42 | 594 | 0.30 | | | 34.56 | 5.6 | 789 | 1.59 | | |
| DSW 55" | 8/30/08 | 1121 | 2.7 | 84 | 41 | 581 | 0.43 | 6.0 | 91 | 2543 | 2.8 | 86 | 50 | 698 | 0.40 | | | 34.441 | 5.2 | 774 | 1.32 | | |
| DSW 55" | 9/8/08 | 920 | 2.6 | 82 | 42 | 582 | 0.15 | 2.1 | 89 | 2512 | 2.3 | 72 | 45 | 632 | 0.45 | | | 34.50 | 5.6 | 766 | | | |
| DSW 55" | 10/23/08 | 1029 | 2.7 | 83 | 42 | 583 | 0.39 | 5.5 | 85 | 2377 | 2.8 | 86 | 48 | 678 | 0.48 | | | 34.55 | 6.4 | 771 | 1.61 | | |
| DSW 55" | 11/28/08 | 1012 | 3.0 | 92 | 44 | 616 | 0.32 | 4.5 | 94 | 2649 | 2.7 | 85 | 47 | 656 | 0.30 | | | 34.52 | 5.7 | 768 | 1.66 | | |
| DSW 55" | 12/30/08 | 919 | 2.7 | 83 | 43 | 599 | 0.33 | 4.6 | 89 | 2509 | 2.7 | 85 | 45 | 633 | 0.36 | | | 34.59 | 5.5 | 765 | 1.88 | | |
| DSW 55" | 1/12/09 | 1134 | 3.0 | 92 | 42 | 592 | 0.12 | 1.7 | 92 | 2594 | 2.9 | 91 | 47 | 656 | 0.70 | | | 34.43 | 5.1 | 763 | 1.59 | | |
| DSW 55" | 2/20/09 | 1044 | 2.5 | 78 | 41 | 575 | 0.31 | 4.3 | 94 | 2651 | 2.9 | 90 | 46 | 639 | 0.92 | | 0.06 | 34.72 | 6.1 | 746 | 1.56 | | |
| DSW 55" | 3/30/09 | 1047 | 2.2 | 67 | 35 | 493 | 0.11 | 1.6 | 74 | 2072 | 2.4 | 73 | 38 | 535 | 0.25 | | | 34.69 | 5.6 | 769 | 1.55 | | |
| DSW 55" | 4/30/09 | 949 | 3.0 | 92 | 39 | 542 | 0.55 | 7.7 | 83 | 2340 | 2.4 | 76 | 46 | 648 | 0.27 | | | 34.53 | 5.4 | 765 | 1.62 | | |
| DSW 55" | 5/15/09 | 1338 | 3.3 | 102 | 42 | 587 | 0.19 | 2.7 | 88 | 2479 | 3.5 | 108 | 47 | 654 | 0.21 | | | 34.63 | 5.6 | 762 | 1.66 | | |
| DSW 55" | 6/10/09 | 949 | 3.2 | 98 | 40 | 566 | 0.16 | 2.2 | 92 | 2596 | 3.1 | 95 | 42 | 586 | 0.21 | | | 34.51 | 6.1 | 763 | 1.50 | | |
| DSW 55" | 7/10/09 | 1005 | 2.4 | 76 | 28 | 393 | 0.42 | 5.8 | 66 | 1845 | 2.2 | 70 | 32 | 452 | 0.44 | | | 34.69 | 5.2 | 765 | 1.44 | | |
| DSW 55" | 8/27/09 | 1057 | 2.9 | 89 | 36 | 499 | 0.19 | 2.7 | 96 | 2693 | 2.6 | 80 | 40 | 558 | 0.37 | | 0.02 | 34.65 | 5.2 | 826 | 1.40 | | |
| DSW 55" | 9/17/09 | 952 | 2.3 | 71 | 34 | 480 | 0.23 | 3.2 | 54 | 1512 | 2.6 | 82 | 35 | 491 | 0.78 | | 0.05 | 34.65 | 5.7 | 819 | 1.55 | | |
| DSW 55" | 10/26/09 | 1009 | 3.0 | 94 | 45 | 637 | 0.09 | 1.3 | 105 | 2953 | 3.2 | 98 | 44 | 622 | 0.46 | | | 34.56 | 5.3 | 760 | 1.53 | | |
| DSW 55" | 11/19/09 | 1345 | 3.1 | 97 | 41 | 570 | 0.50 | 7.0 | 105 | 2945 | 3.1 | 96 | 44 | 616 | 0.50 | | | 34.67 | 5.6 | 751 | 1.30 | | |
| DSW 55" | 12/3/09 | 1017 | 3.1 | 96 | 41 | 568 | 0.44 | 6.1 | 106 | 2976 | 3.0 | 93 | 43 | 606 | 0.78 | | | | | | | | |

NELHA Water Quality Laboratory

DSW 55"

Intake Depth: 915 m, Offshore Pipe Length: 3,124 m

| SITE ID | DATE MD/Y | TIME (2400) | PO ₄ ³⁻ (µM) | (µg P/L) | NO ₃ ⁻ & NO ₂ ⁻ (µM) | (µg N/L) | NH ₄ ⁺ & NH ₃ (µM) | (µg N/L) | Si (µM) | (µg Si/L) | TDP (µM) | (µg P/L) | TDN (µM) | (µg N/L) | TOC (mgC/L) | (mg/L) | TSS (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL |
|---------|--------------|----------------|---------------------------------------|----------|---|----------|--|----------|------------|-----------|-------------|----------|-------------|----------|----------------|--------|--------------|----------------|-------------------|--------------|--------------|-------------|---------------------|---|
| DSW 55" | 7/1/10 | 1120 | 3.0 | 92 | 44 | 610 | 0.08 | 1.1 | 106 | 2987 | 3.0 | 94 | 47 | 662 | | 0.58 | 0.04 | | 34.37 | 5.4 | 7.61 | 1.96 | | |
| DSW 55" | 8/5/10 | 1016 | 3.0 | 94 | 42 | 588 | 0.04 | 0.6 | 102 | 2866 | 3.0 | 93 | 44 | 622 | | 0.70 | 0.02 | | 34.52 | 6.0 | 7.57 | 1.56 | | |
| DSW 55" | 9/2/10 | 1052 | 3.0 | 93 | 43 | 608 | 0.34 | 4.8 | 97 | 2734 | 3.2 | 98 | 46 | 647 | | 0.80 | 0.02 | | 34.42 | 6.5 | 7.57 | 1.62 | | |
| DSW 55" | 10/18/10 | 1002 | 3.2 | 98 | 45 | 623 | 0.20 | 2.8 | 100 | 2817 | 3.3 | 101 | 48 | 669 | | 0.43 | 0.07 | | 34.33 | 5.9 | 7.58 | 1.92 | | |
| DSW 55" | 11/4/10 | 1025 | 3.0 | 92 | 43 | 601 | 0.04 | 0.5 | 98 | 2754 | 3.1 | 95 | 45 | 632 | | 0.45 | 0.03 | | 34.51 | 5.7 | 7.61 | 1.59 | | |
| DSW 55" | 12/1/10 | 1029 | 3.0 | 93 | 44 | 613 | 0.01 | 0.1 | 108 | 3020 | 3.0 | 93 | 48 | 670 | | 0.30 | 0.04 | | 34.40 | 5.4 | 7.56 | 1.57 | | |
| DSW 55" | 1/25/11 | 1016 | 3.2 | 98 | 44 | 619 | 0.26 | 3.6 | 103 | 2892 | 3.2 | 98 | 50 | 703 | | 0.50 | 0.05 | | 34.47 | 5.5 | 7.54 | 1.54 | | |
| DSW 55" | 2/8/11 | 1023 | 3.2 | 99 | 44 | 614 | 0.36 | 5.0 | 103 | 2879 | 3.3 | 101 | 46 | 648 | | 0.68 | 0.06 | | 34.51 | 5.4 | 7.63 | 1.68 | | |
| DSW 55" | 3/7/11 | 1126 | 3.2 | 100 | 44 | 611 | 0.33 | 4.6 | 107 | 3000 | 3.2 | 101 | 46 | 638 | | 0.50 | 0.05 | | 34.40 | 5.2 | 7.61 | 1.90 | | |
| DSW 55" | 4/11/11 | 1146 | 3.1 | 95 | 46 | 643 | 0.09 | 1.2 | 105 | 2961 | 3.2 | 99 | 50 | 706 | | 0.59 | 0.04 | | 34.77 | 5.3 | 7.61 | 1.53 | | |
| DSW 55" | 5/25/11 | 938 | 3.0 | 94 | 43 | 604 | 0.19 | 2.6 | 107 | 2992 | 3.1 | 95 | 46 | 644 | | 0.62 | 0.05 | | 34.48 | 5.4 | 7.63 | 2.75 | | |
| DSW 55" | 6/13/11 | 1058 | 3.0 | 94 | 45 | 637 | 0.10 | 1.4 | 108 | 3025 | 3.1 | 95 | 48 | 677 | | 0.59 | 0.04 | | 34.52 | 5.2 | 7.61 | 1.96 | | |
| DSW 55" | 7/2/11 | 935 | 3.2 | 100 | 43 | 608 | 0.12 | 1.7 | 106 | 2987 | 3.2 | 100 | 45 | 635 | | 0.64 | 0.02 | | 34.46 | 5.2 | 7.56 | 1.67 | | |
| DSW 55" | 8/22/11 | 1054 | 3.1 | 96 | 43 | 605 | 0.03 | 0.4 | 110 | 3076 | 3.1 | 96 | 46 | 641 | | 0.62 | 0.02 | | 34.44 | 4.9 | 7.58 | 2.01 | | |
| DSW 55" | 9/15/11 | 1011 | 3.0 | 94 | 41 | 570 | 0.10 | 1.4 | 98 | 2746 | 3.0 | 93 | 43 | 596 | | 0.19 | 0.02 | | 34.34 | 5.6 | 7.58 | 1.60 | | |
| DSW 55" | 10/4/11 | 844 | 3.0 | 94 | 43 | 599 | 0.02 | 0.3 | 101 | 2833 | 3.1 | 95 | 45 | 624 | | 0.47 | 0.02 | | 34.63 | 5.4 | 7.62 | 1.71 | | |
| DSW 55" | 11/21/11 | 1238 | 3.1 | 96 | 44 | 619 | 0.01 | 0.1 | 103 | 2895 | 3.1 | 96 | 47 | 663 | | 0.20 | 0.02 | | 34.47 | 5.2 | 7.63 | 1.66 | | |
| DSW 55" | 12/27/11 | 1051 | 3.0 | 92 | 44 | 616 | 0.11 | 1.6 | 105 | 2962 | 3.0 | 94 | 47 | 661 | | 0.42 | 0.12 | | 34.32 | 5.1 | 7.62 | 1.59 | | |
| DSW 55" | 1/30/12 | 1055 | 2.9 | 90 | 44 | 621 | 0.03 | 0.4 | 100 | 2797 | 2.9 | 91 | 47 | 655 | | 0.31 | 0.05 | | 34.48 | 5.2 | 7.63 | 1.65 | | |
| DSW 55" | 2/27/12 | 1058 | 3.0 | 94 | 43 | 602 | 0.01 | 0.1 | 98 | 2747 | 2.9 | 89 | 47 | 665 | | 0.49 | 0.03 | | 34.51 | 5.3 | 7.55 | 1.40 | | |
| DSW 55" | 3/28/12 | 1044 | 3.0 | 92 | 39 | 550 | 0.21 | 3.0 | 92 | 2593 | 2.8 | 87 | 43 | 602 | | 0.48 | 0.02 | | 34.49 | 5.2 | 7.57 | 1.45 | | |
| DSW 55" | 4/16/12 | 1045 | 3.2 | 100 | 44 | 616 | 0.04 | 0.6 | 97 | 2727 | 3.2 | 98 | 48 | 673 | | 4.31 | 0.04 | | 34.50 | 5.3 | 7.59 | 1.40 | | |
| DSW 55" | 5/23/12 | 911 | 3.2 | 100 | 45 | 633 | 0.11 | 1.6 | 101 | 2838 | 3.2 | 99 | 48 | 665 | | 0.44 | 0.03 | | 34.33 | 5.5 | 7.56 | 1.81 | | |
| DSW 55" | 6/19/12 | 1050 | 3.1 | 95 | 44 | 611 | 0.31 | 4.3 | 95 | 2658 | 3.1 | 95 | 46 | 646 | | 0.42 | 0.02 | | 34.63 | 5.3 | 7.65 | 1.86 | | |
| DSW 55" | 7/3/12 | 837 | 3.2 | 99 | 43 | 605 | 0.24 | 3.4 | 99 | 2778 | 3.2 | 99 | 45 | 634 | | 1.10 | 0.06 | | 34.64 | 5.4 | 7.57 | 1.68 | | |
| DSW 55" | 8/27/12 | 1125 | 3.1 | 95 | 45 | 627 | 0.14 | 1.9 | 110 | 3079 | 3.3 | 101 | 50 | 702 | | 0.52 | 0.03 | | 34.50 | 5.0 | 7.56 | 1.56 | | |
| DSW 55" | 9/26/12 | 1114 | 3.2 | 98 | 44 | 616 | 0.51 | 7.2 | 111 | 3125 | 3.2 | 100 | 47 | 661 | | 0.88 | 0.05 | | 34.51 | 4.7 | 7.47 | 1.69 | | |
| DSW 55" | 10/10/12 | 1019 | 3.1 | 96 | 44 | 610 | 0.13 | 1.8 | 109 | 3070 | 3.2 | 99 | 47 | 661 | | 0.57 | 0.02 | | 34.58 | 4.9 | 7.52 | 1.64 | | |
| DSW 55" | 11/19/12 | 1345 | 3.2 | 99 | 43 | 606 | 0.18 | 2.5 | 107 | 2995 | 3.2 | 100 | 45 | 625 | | 0.55 | 0.02 | | 34.43 | 4.9 | 7.62 | 1.73 | | |
| DSW 55" | 12/19/12 | 1005 | 3.4 | 104 | 44 | 613 | 0.14 | 2.0 | 108 | 3044 | 3.4 | 104 | 46 | 645 | | 0.61 | 0.03 | | 34.43 | 5.1 | 7.58 | 1.78 | | |
| DSW 55" | 1/4/13 | 1037 | 3.1 | 95 | 44 | 614 | 0.19 | 2.7 | 107 | 2996 | 3.1 | 96 | 45 | 635 | | 0.60 | 0.02 | | 34.47 | 5.2 | 7.63 | 1.88 | | |
| DSW 55" | 2/13/13 | 1047 | 3.1 | 98 | 43 | 596 | 0.01 | 0.1 | 99 | 2779 | 3.2 | 99 | 45 | 633 | | 0.49 | 0.02 | | 34.47 | 5.2 | 7.59 | 2.10 | | |
| DSW 55" | 3/18/13 | 1149 | 3.4 | 105 | 47 | 660 | 0.41 | 5.8 | 108 | 3039 | 3.4 | 105 | 48 | 679 | | 0.74 | 0.02 | | 34.53 | 4.8 | 7.59 | 2.00 | | |
| DSW 55" | 4/3/13 | 1252 | 3.1 | 96 | 44 | 614 | 0.09 | 1.3 | 103 | 2883 | 3.1 | 96 | 46 | 641 | | 0.55 | 0.03 | | 34.60 | 5.0 | 7.61 | 2.08 | | |
| DSW 55" | 5/29/13 | 941 | 3.5 | 107 | 47 | 656 | 0.20 | 2.8 | 110 | 3086 | 3.3 | 103 | 50 | 696 | | 0.61 | 0.02 | | 34.56 | 5.1 | 7.58 | 1.87 | 1.71 | |
| DSW 55" | 6/13/13 | 1110 | 3.1 | 97 | 42 | 590 | 0.34 | 4.7 | 99 | 2781 | 3.0 | 93 | 43 | 608 | | 0.51 | 0.05 | | 34.66 | 5.2 | 7.55 | | | |
| DSW 55" | 7/1/13 | 1015 | 3.1 | 97 | 45 | 624 | 0.15 | 2.1 | 106 | 2972 | 3.1 | 98 | 47 | 659 | | 0.62 | 0.02 | | 34.43 | 5.1 | 7.62 | 2.43 | | |
| DSW 55" | 8/14/13 | 1043 | 3.1 | 95 | 44 | 622 | 0.09 | 1.3 | 101 | 2842 | 3.0 | 94 | 46 | 638 | | 0.50 | 0.02 | | 34.36 | 5.2 | 7.55 | 1.69 | | |
| DSW 55" | 9/18/13 | 846 | 3.1 | 95 | 43 | 606 | 0.08 | 1.1 | 102 | 2863 | 3.0 | 94 | 45 | 632 | | 0.47 | 0.02 | | 34.46 | 5.5 | 7.48 | 2.52 | | |
| DSW 55" | 10/10/13 | 1105 | 3.1 | 95 | 43 | 607 | 0.26 | 3.6 | 100 | 2808 | 3.0 | 93 | 45 | 628 | | 0.49 | 0.02 | | 34.59 | 5.4 | 7.56 | 1.64 | | |
| DSW 55" | 11/21/13 | 1042 | 3.1 | 96 | 45 | 625 | 0.29 | 4.1 | 102 | 2858 | 3.1 | 95 | 46 | 649 | | 0.38 | 0.02 | | 34.58 | 5.1 | 7.54 | 1.79 | | |
| DSW 55" | 12/23/13 | 1003 | 3.0 | 93 | 42 | 584 | 0.36 | 5.0 | 100 | 2804 | 2.9 | 90 | 42 | 589 | | 0.72 | 0.02 | | 34.60 | 5.2 | 7.58 | 1.74 | | |
| DSW 55" | 1/23/14 | 1230 | 3.0 | 94 | 44 | 616 | 0.20 | 2.8 | 104 | 2930 | 3.0 | 92 | 46 | 639 | | 1.24 | 0.02 | | 34.55 | 5.1 | 7.58 | 1.93 | | |
| DSW 55" | 2/12/14 | 1134 | 3.0 | 94 | 45 | 624 | 0.25 | 3.5 | 106 | 2984 | 3.0 | 92 | 45 | 630 | | 0.60 | 0.02 | | 34.41 | 4.8 | 7.58 | 2.18 | | |
| DSW 55" | 3/17/14 | 1052 | 2.9 | 90 | 44 | 612 | 0.16 | 2.3 | 100 | 2815 | 3.1 | 95 | 45 | 635 | | 0.88 | 0.02 | | 34.54 | 5.1 | 7.58 | 1.78 | | |
| DSW 55" | 4/10/14 | 954 | 3.1 | 95 | 45 | 630 | 0.32 | 4.5 | 103 | 2879 | 3.0 | 93 | 46 | 640 | | 0.81 | 0.04 | | 34.44 | 5.2 | 7.58 | 1.90 | | |
| DSW 55" | 5/13/14 | 1334 | 3.0 | 91 | 44 | 621 | 0.26 | 3.7 | 104 | 2911 | 3.0 | 92 | 46 | 640 | | 0.68 | 0.02 | | 34.55 | 5.0 | 7.58 | 2.47 | | |
| DSW 55" | 6/24/14 | 1111 | 3.1 | 97 | 45 | 637 | 0.29 | 4.1 | 95 | 2655 | 3.3 | 103 | 47 | 656 | | 0.82 | 0.04 | | 34.41 | 5.1 | 7.62 | 1.90 | | |
| DSW 55" | 7/23/14 | 1138 | 3.2 | 98 | 43 | 604 | 0.51 | 7.1 | 102 | 2868 | 3.1 | 95 | 45 | 630 | | 0.66 | 0.12 | | 34.60 | 5.2 | 7.59 | 1.98 | | |
| DSW 55" | 8/11/14 | 1203 | 2.3 | 71 | 38 | 539 | 0.31 | 4.4 | 87 | 2433 | 2.3 | 72 | 40 | 554 | | 0.76 | 0.09 | | 34.56 | 5.4 | 7.54 | 1.75 | | |
| DSW 55" | 9/29/14 | 1123 | 3.3 | 102 | 44 | 616 | 0.44 | 6.2 | 83 | 2328 | 3.3 | 103 | 46 | 648 | | 0.88 | 0.10 | | 34.57 | 5.1 | 7.56 | 1.97 | | |
| DSW 55" | 10/15/14 | 1234 | 3.1 | 97 | 45 | 628 | 0.33 | 4.6 | 101 | 2831 | 3.1 | 96 | 46 | 650 | | 0.70 | 0.04 | | 34.48 | 5.1 | | | | |

NELHA Water Quality Laboratory
DSW 55"
Intake Depth: 915 m, Offshore Pipe Length: 3,124 m

| SITE ID | DATE MDY | TIME (2400) | PO ₄ ³⁻ (µM) | (µg P/L) | NO ₃ ⁻ & NO ₂ ⁻ (µM) | (µg N/L) | NH ₄ ⁺ & NH ₃ (µM) | (µg N/L) | Si (µM) | (µg Si/L) | TDP (µM) | (µg P/L) | TDN (µM) | (µg N/L) | TOC (mgC/L) | (mg/L) | TSS (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL |
|---------|-------------|----------------|---------------------------------------|----------|---|----------|--|----------|------------|-----------|-------------|----------|-------------|----------|----------------|--------|--------------|----------------|-------------------|--------------|--------------|-------------|---------------------|---|
| DSW 55" | 7/7/15 | 920 | 3.0 | 93 | 46 | 650 | 0.10 | 1.4 | 94 | 2637 | 3.0 | 94 | 49 | 685 | | 1.00 | 0.06 | | 34.02 | 5.2 | 7.49 | 1.92 | | |
| DSW 55" | 8/14/15 | 946 | 3.0 | 94 | 44 | 619 | 0.21 | 2.9 | 82 | 2300 | 2.3 | 73 | 65 | 906 | | 1.00 | 0.02 | | 33.89 | 5.2 | 7.46 | 2.69 | | |
| DSW 55" | 9/16/15 | 1045 | 3.0 | 93 | 54 | 761 | 0.36 | 5.0 | 95 | 2682 | 3.0 | 94 | 57 | 802 | | 0.85 | 0.04 | | 34.44 | 5.3 | 7.44 | 3.86 | | |
| DSW 55" | 10/28/15 | 1426 | 3.3 | 101 | 47 | 654 | 0.16 | 2.3 | 97 | 2728 | 3.3 | 102 | 49 | 692 | | 2.63 | 0.76 | | 33.91 | 5.5 | 7.56 | 2.03 | | |
| DSW 55" | 11/5/15 | 928 | 3.2 | 99 | 46 | 646 | 0.09 | 1.3 | 94 | 2632 | 3.3 | 101 | 50 | 697 | | 0.90 | 0.11 | | 33.85 | 5.2 | 7.47 | 2.26 | | |
| DSW 55" | 12/9/15 | 1038 | 3.2 | 100 | 45 | 624 | 0.81 | 11.3 | 100 | 2806 | 3.3 | 104 | 47 | 655 | | 1.08 | 0.08 | | 34.21 | 5.9 | 7.60 | 3.00 | | |
| DSW 55" | 1/15/16 | 1144 | 2.6 | 80 | 40 | 558 | 0.59 | 8.3 | 83 | 2325 | 2.6 | 80 | 42 | 588 | | 1.00 | 0.05 | | 34.27 | 5.3 | 7.55 | 3.31 | | |
| DSW 55" | 2/11/16 | 1036 | 3.0 | 94 | 44 | 619 | 0.49 | 6.8 | 95 | 2655 | 3.1 | 97 | 47 | 660 | | 0.83 | 0.07 | | 34.41 | 5.3 | 7.57 | 2.68 | | |
| DSW 55" | 3/3/16 | 1138 | 3.0 | 93 | 45 | 628 | 0.21 | 3.0 | 99 | 2779 | 3.1 | 96 | 48 | 678 | | 0.83 | 0.03 | | 34.65 | 4.6 | 7.62 | 2.19 | | |
| DSW 55" | 4/12/16 | 1209 | 3.0 | 92 | 50 | 697 | 0.57 | 8.0 | 93 | 2626 | 3.1 | 95 | 53 | 741 | | 0.90 | 0.05 | | 34.73 | 5.1 | 7.51 | 3.18 | | |
| DSW 55" | 5/10/16 | 1114 | 3.3 | 102 | 44 | 611 | 0.07 | 1.0 | 92 | 2580 | 3.3 | 102 | 45 | 636 | | 0.55 | 0.03 | | 34.53 | 5.0 | 7.61 | 4.00 | | |
| DSW 55" | 6/15/16 | 958 | 3.0 | 93 | 48 | 677 | 0.22 | 3.1 | 93 | 2612 | 3.0 | 93 | 45 | 635 | | 0.90 | 0.08 | | 34.68 | 4.8 | 7.23 | 2.61 | | |
| DSW 55" | 7/1/16 | 1001 | 3.0 | 94 | 43 | 600 | 0.19 | 2.7 | 94 | 2648 | 3.1 | 98 | 48 | 667 | | 0.83 | 0.04 | | 34.67 | 4.7 | 6.98 | 2.46 | | |
| DSW 55" | 8/25/16 | 949 | 4.8 | 149 | 68 | 958 | 0.26 | 3.6 | 147 | 4127 | 5.0 | 155 | 74 | 1032 | | 1.50 | 0.05 | | 34.69 | 4.8 | 7.09 | 2.86 | | |
| DSW 55" | 9/15/16 | 1029 | 3.0 | 93 | 70 | 985 | 0.11 | 1.5 | 127 | 3579 | 3.0 | 94 | 72 | 1012 | | 0.93 | 0.05 | | 34.74 | 4.9 | 7.58 | 2.47 | | |
| DSW 55" | 10/20/16 | 1059 | 5.7 | 176 | 70 | 987 | 0.13 | 1.8 | 155 | 4357 | 6.0 | 187 | 73 | 1016 | | 0.98 | 0.04 | | 34.69 | 5.1 | 7.60 | 2.23 | | |
| DSW 55" | 11/4/16 | 1002 | 5.0 | 154 | 73 | 1018 | 0.16 | 2.2 | 160 | 4495 | 5.3 | 165 | 75 | 1054 | | 0.83 | 0.02 | | 34.67 | 5.1 | 7.62 | 2.99 | | |
| DSW 55" | 12/29/16 | 1023 | 2.8 | 88 | 41 | 568 | 0.08 | 1.1 | 101 | 2841 | 2.9 | 92 | 42 | 592 | | 1.15 | 0.02 | | 33.91 | 4.9 | 7.59 | 3.30 | | |
| DSW 55" | 1/27/17 | 1109 | 2.8 | 88 | 41 | 580 | 0.04 | 0.6 | 113 | 3185 | 2.9 | 91 | 43 | 605 | | 0.98 | 0.04 | | 34.90 | 4.7 | 7.57 | 3.42 | | |
| DSW 55" | 2/23/17 | 1008 | 2.8 | 87 | 40 | 559 | 0.16 | 2.2 | 97 | 2724 | 2.9 | 91 | 41 | 577 | | 1.75 | 0.04 | | 34.61 | 4.9 | 7.58 | 3.44 | | |
| DSW 55" | 3/17/17 | 953 | 2.8 | 88 | 36 | 505 | 0.24 | 3.3 | 94 | 2648 | 2.9 | 90 | 40 | 559 | | 0.83 | 0.08 | | 34.54 | 5.5 | 7.61 | 2.02 | | |
| DSW 55" | 4/10/17 | 1000 | 2.9 | 89 | 43 | 602 | 0.15 | 2.1 | 100 | 2807 | 2.9 | 90 | 46 | 647 | | 0.78 | 0.03 | | 34.74 | 5.1 | 7.56 | 2.01 | | |
| DSW 55" | 5/17/17 | 931 | 2.8 | 87 | 41 | 580 | 0.13 | 1.8 | 98 | 2765 | 2.9 | 91 | 43 | 599 | | 1.20 | 0.03 | | 34.80 | 5.1 | 7.60 | 2.08 | | |
| DSW 55" | 6/13/17 | 943 | 2.9 | 89 | 43 | 607 | 0.58 | 8.1 | 104 | 2934 | 3.0 | 93 | 51 | 717 | | 1.03 | 0.23 | | 34.77 | 6.8 | 7.60 | 5.11 | | |
| DSW 55" | 7/13/17 | 1106 | 2.7 | 85 | 41 | 569 | 0.16 | 2.3 | 98 | 2756 | 3.1 | 96 | 42 | 589 | | 1.33 | 0.03 | | 34.95 | 5.1 | 7.57 | 1.42 | | |
| DSW 55" | 8/2/17 | 938 | 2.8 | 87 | 38 | 531 | 0.18 | 2.5 | 97 | 2730 | 2.9 | 90 | 39 | 551 | | 0.95 | 0.04 | | 35.10 | 5.2 | 7.56 | 1.75 | | |
| DSW 55" | 9/12/17 | 941 | 2.8 | 88 | 42 | 584 | 0.44 | 6.1 | 92 | 2595 | 3.0 | 92 | 43 | 605 | | 0.68 | 0.07 | | 34.63 | 5.4 | 7.58 | 2.41 | | |
| DSW 55" | 10/12/17 | 1046 | 2.9 | 88 | 42 | 582 | 0.27 | 3.8 | 94 | 2643 | 3.0 | 93 | 43 | 597 | | 2.30 | 0.04 | | 34.67 | 5.3 | 7.52 | 2.60 | | |
| DSW 55" | 11/29/17 | 922 | 3.0 | 93 | 42 | 586 | 0.31 | 4.3 | 98 | 2760 | 3.1 | 95 | 43 | 608 | | 0.78 | 0.05 | | 34.69 | 5.3 | 7.61 | 3.90 | | |
| DSW 55" | 12/27/17 | 1046 | 3.0 | 93 | 40 | 561 | 0.61 | 8.5 | 97 | 2729 | 3.1 | 95 | 39 | 547 | | 1.03 | 0.04 | | 34.85 | 5.1 | 7.52 | 4.84 | | |
| DSW 55" | 1/11/18 | 1032 | 2.8 | 86 | 40 | 565 | 0.09 | 1.3 | 99 | 2783 | 2.9 | 91 | 41 | 576 | | 0.75 | 0.07 | | 34.51 | 5.0 | 7.41 | 3.15 | | |
| DSW 55" | 2/14/18 | 943 | 2.9 | 88 | 42 | 590 | 0.12 | 1.7 | 104 | 2914 | 3.0 | 92 | 43 | 607 | | 0.98 | 0.06 | | 34.50 | 5.2 | 7.52 | 3.47 | | |
| DSW 55" | 3/23/18 | 1033 | 2.9 | 89 | 44 | 610 | 0.14 | 1.9 | 94 | 2644 | 3.0 | 93 | 45 | 637 | | 1.30 | 0.05 | | 34.46 | 5.3 | 7.52 | 2.30 | | |
| DSW 55" | 4/24/18 | 1047 | 2.8 | 88 | 41 | 575 | 0.37 | 5.2 | 101 | 2834 | 3.0 | 93 | 43 | 605 | | 0.93 | 0.06 | | 34.49 | 4.9 | 7.50 | 2.51 | | |
| DSW 55" | 5/8/18 | 918 | 2.9 | 89 | 41 | 571 | 0.46 | 6.5 | 105 | 2955 | 3.1 | 97 | 42 | 587 | | 0.75 | 0.04 | | 34.50 | 4.8 | 7.51 | 2.50 | | |
| DSW 55" | 6/20/18 | 944 | 2.9 | 91 | 40 | 558 | 0.53 | 7.4 | 95 | 2663 | 3.0 | 92 | 41 | 569 | | 0.70 | 0.05 | | 35.25 | 5.0 | 7.33 | 2.06 | | |
| DSW 55" | 7/12/18 | 1020 | 3.1 | 96 | 42 | 587 | 0.09 | 1.2 | 100 | 2803 | 3.1 | 95 | 44 | 621 | | 0.78 | 0.04 | | 34.64 | 5.0 | 7.44 | 2.30 | | |
| DSW 55" | 8/13/18 | 1000 | 2.7 | 82 | 45 | 624 | 0.16 | 2.2 | 99 | 2774 | 2.8 | 87 | 47 | 659 | | 0.85 | 0.04 | | 34.47 | 4.8 | 7.44 | 2.66 | | |
| DSW 55" | 9/18/18 | 1608 | 2.7 | 84 | 41 | 581 | 0.29 | 4.0 | 102 | 2861 | 2.8 | 85 | 44 | 616 | | 1.35 | 0.09 | | 34.60 | 4.9 | 7.49 | 2.35 | | |
| DSW 55" | 10/11/18 | 1006 | 2.7 | 85 | 41 | 578 | 0.19 | 2.7 | 95 | 2657 | 2.9 | 88 | 41 | 577 | | 1.05 | 0.07 | | 34.73 | 5.0 | 7.55 | 1.78 | | |
| DSW 55" | 11/2/18 | 915 | 2.8 | 86 | 41 | 568 | 0.04 | 0.5 | 100 | 2818 | 2.9 | 90 | 41 | 580 | | 3.08 | 0.08 | | 34.59 | 4.7 | 7.54 | 2.17 | | |
| DSW 55" | 12/21/18 | 1001 | 2.9 | 91 | 41 | 579 | 0.52 | 7.3 | 98 | 2744 | 3.1 | 95 | 42 | 593 | | 2.85 | 0.03 | | 34.57 | 4.8 | 7.57 | 3.09 | | |
| DSW 55" | 1/15/19 | 958 | 2.9 | 90 | 41 | 569 | 0.01 | 0.2 | 103 | 2893 | 3.0 | 93 | 41 | 572 | | 0.93 | 0.05 | | 34.63 | 4.7 | 7.56 | 2.79 | | |
| DSW 55" | 2/13/19 | 956 | 2.8 | 88 | 39 | 547 | 0.01 | 0.1 | 100 | 2819 | 2.9 | 91 | 40 | 562 | | 0.90 | 0.05 | | 34.93 | 5.0 | 7.21 | 3.80 | | |
| DSW 55" | 3/7/19 | 1516 | 2.8 | 88 | 41 | 578 | 0.04 | 0.6 | 98 | 2764 | 2.9 | 91 | 42 | 585 | | 0.85 | 0.06 | | 35.20 | 4.9 | 7.61 | 2.34 | | |
| DSW 55" | 4/25/19 | 941 | 2.8 | 87 | 41 | 570 | 0.04 | 0.6 | 102 | 2855 | 2.9 | 90 | 42 | 590 | | 0.68 | 0.02 | | 35.54 | 4.9 | 7.59 | 2.72 | | |
| DSW 55" | 5/7/19 | 1016 | 2.8 | 86 | 40 | 564 | 0.46 | 6.4 | 100 | 2799 | 2.8 | 88 | 41 | 580 | | 1.83 | 0.05 | | 35.56 | 5.0 | 7.66 | 2.44 | | |
| DSW 55" | 6/20/19 | 1123 | 2.8 | 87 | 40 | 555 | 0.11 | 1.5 | 97 | 2719 | 2.8 | 88 | 41 | 579 | | 0.90 | 0.03 | | 34.56 | 5.3 | 7.60 | 1.83 | | |
| DSW 55" | 7/17/19 | 947 | 2.8 | 86 | 39 | 553 | 0.28 | 3.9 | 101 | 2823 | 2.8 | 87 | 40 | 557 | | 0.85 | 0.05 | | 35.05 | 5.0 | 7.58 | 2.17 | | |
| DSW 55" | 8/23/19 | 1441 | 2.9 | 90 | 42 | 586 | 0.34 | 4.7 | 98 | 2753 | 3.0 | 92 | 43 | 601 | | 0.60 | 0.04 | | 35.14 | 6.0 | 7.61 | 1.74 | | |
| DSW 55" | 9/26/19 | 1007 | 2.8 | 87 | 41 | 578 | 1.07 | 15.0 | 98 | 2746 | 2.9 | 90 | 42 | 586 | | 0.53 | 0.05 | | 34.45 | 5.1 | 7.59 | 1.99 | | |
| DSW 55" | 10/8/19 | 1027 | 2.8 | 86 | 49 | 688 | 0.26 | 3.7 | 96 | 2703 | 2.8 | 87 | 53 | 747 | | 0.33 | 0.05 | | 35.12 | 5.4 | 7.59 | 1.62 | | |
| DSW 55" | 11/14/19 | 959 | 3.1 | 95 | 43 | 598</td | | | | | | | | | | | | | | | | | | |

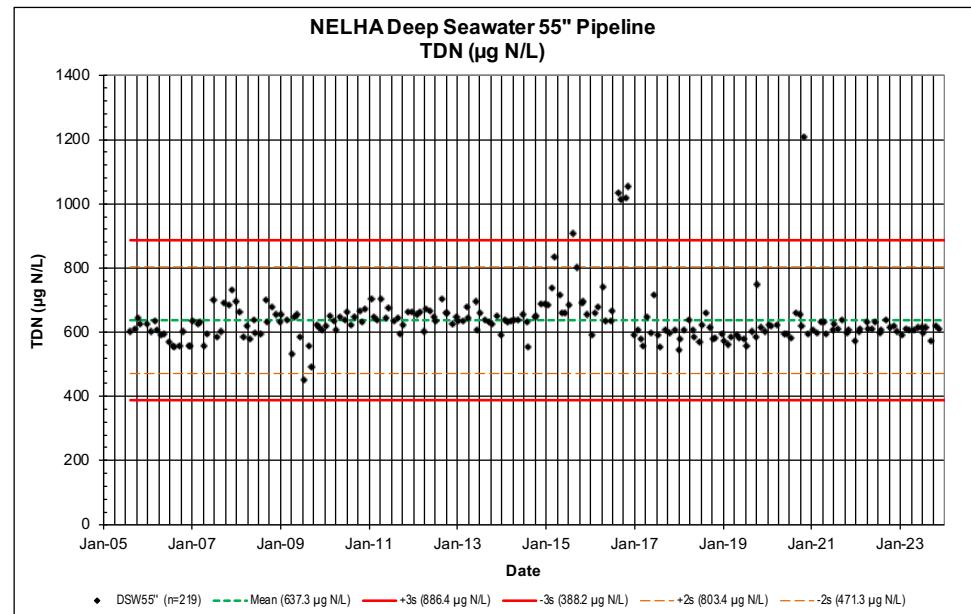
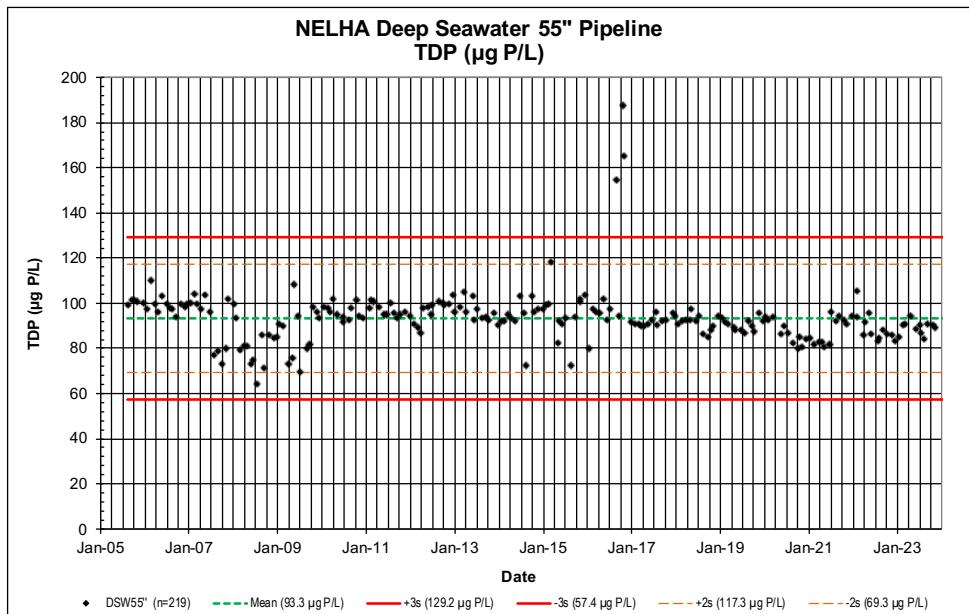
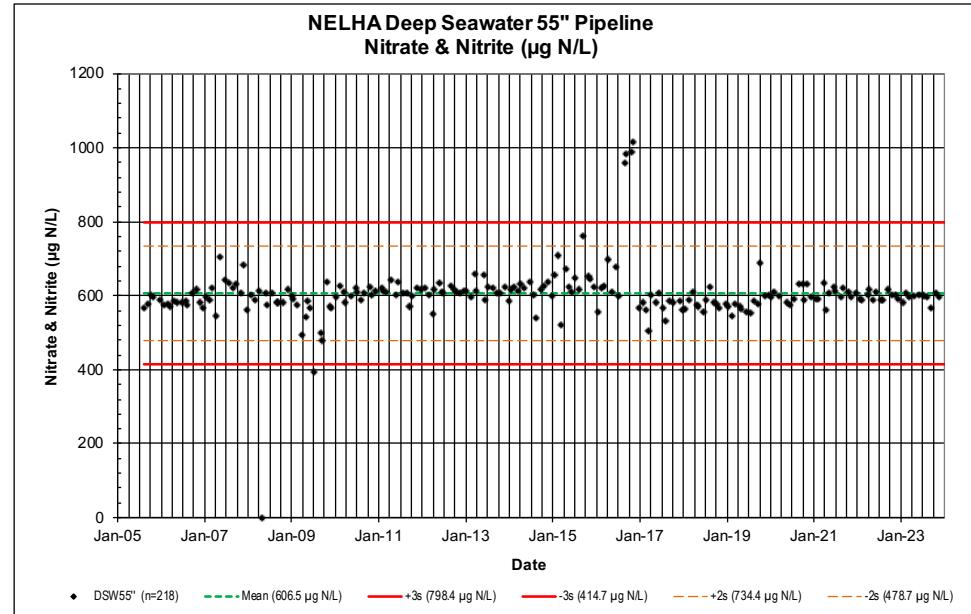
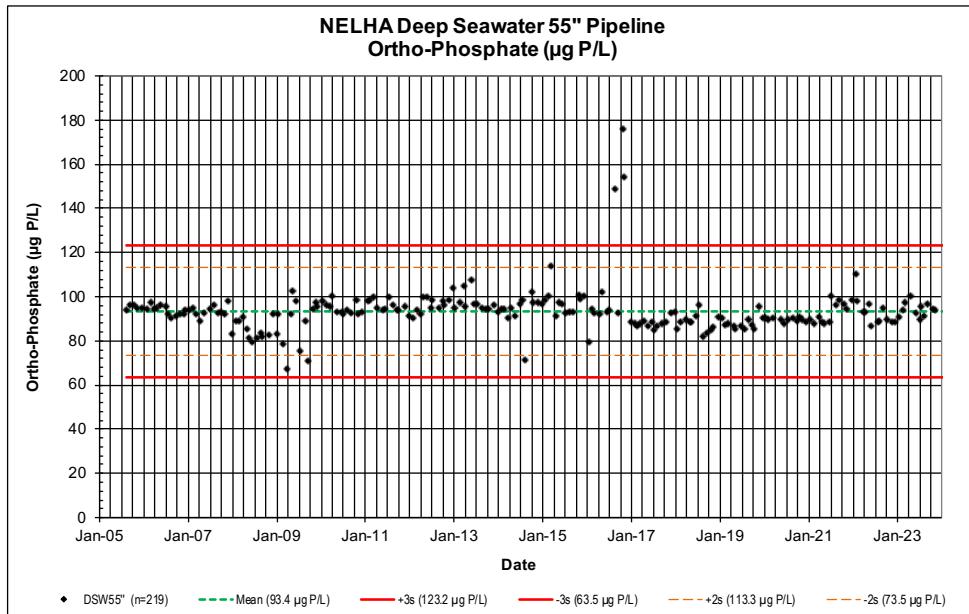
NELHA Water Quality Laboratory

DSW 55"

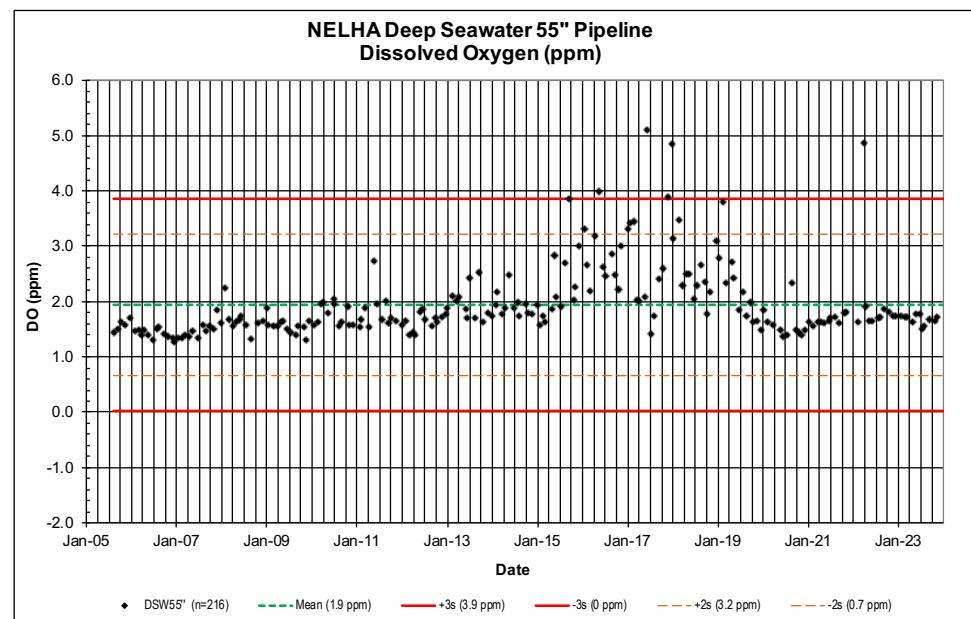
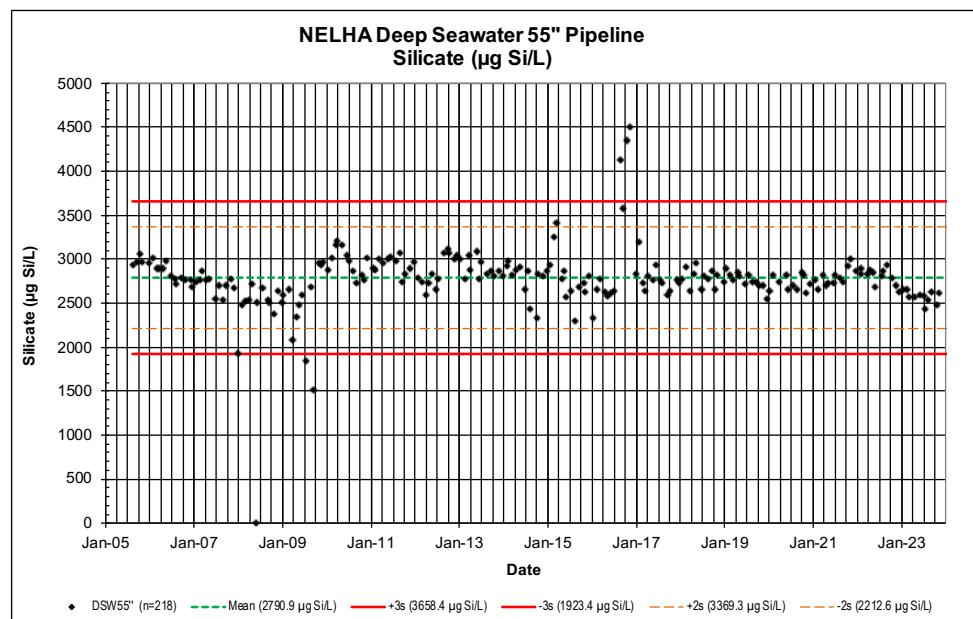
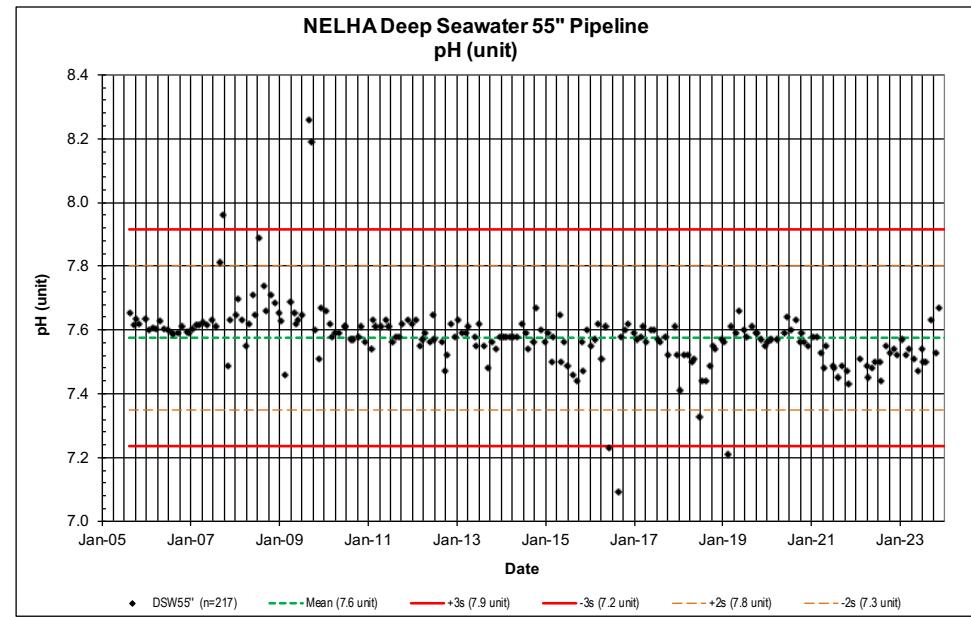
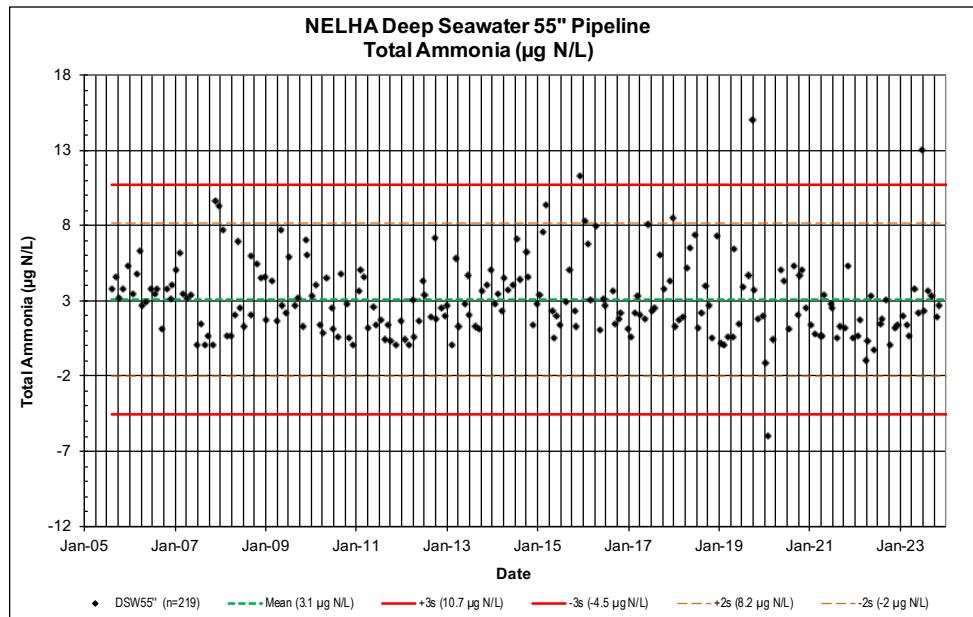
Intake Depth: 915 m, Offshore Pipe Length: 3,124 m

| SITE ID | DATE MD/Y | TIME (2400) | PO ₄ ³⁻ (µM) | (µg P/L) | NO ₃ ⁻ & NO ₂ ⁻ (µM) | (µg N/L) | NH ₄ ⁺ & NH ₃ (µM) | (µg N/L) | Si (µM) | (µg Si/L) | TDP (µM) | (µg P/L) | TDN (µM) | (µg N/L) | TOC (mgC/L) | TSS (mg/L) | Turbidity (NTU) | ALK (mEq/L) | SALINITY (PSU) | TEMP (°C) | pH (unit) | DO (ppm) | Vibrio CFU/100mL | Total Count Marine Agar CFU/100mL | |
|---------------------------|--------------|----------------|---------------------------------------|----------|---|----------|--|----------|------------|-----------|-------------|----------|-------------|----------|----------------|---------------|--------------------|----------------|-------------------|--------------|--------------|-------------|---------------------|---|--|
| DSW 55" | 7/14/20 | 1039 | 2.9 | 90 | 42 | 591 | 0.08 | 1.1 | 96 | 2701 | 2.8 | 87 | 41 | 580 | 0.55 | 0.05 | | 34.20 | 5.3 | 7.60 | 1.40 | | | | |
| DSW 55" | 8/25/20 | 927 | 2.9 | 90 | 45 | 630 | 0.38 | 5.3 | 95 | 2662 | 2.7 | 83 | 47 | 658 | 0.83 | 0.02 | | 35.75 | 5.5 | 7.63 | 2.34 | | | | |
| DSW 55" | 9/30/20 | 926 | 2.9 | 89 | 45 | 631 | 0.15 | 2.1 | 102 | 2857 | 2.6 | 80 | 47 | 654 | 0.58 | 0.03 | | 34.97 | 5.2 | 7.56 | 1.48 | | | | |
| DSW 55" | 10/14/20 | 1020 | 2.9 | 91 | 42 | 588 | 0.34 | 4.7 | 100 | 2814 | 2.7 | 85 | 44 | 620 | 0.65 | 0.04 | | 35.05 | 5.2 | 7.59 | 1.44 | | | | |
| DSW 55" | 11/4/20 | 1044 | 2.9 | 90 | 45 | 632 | 0.36 | 5.0 | 93 | 2615 | 2.6 | 81 | 86 | 1210 | 0.78 | 0.02 | | 35.47 | 5.6 | 7.56 | 1.40 | | | | |
| DSW 55" | 12/4/20 | 949 | 2.8 | 88 | 43 | 595 | 0.18 | 2.5 | 97 | 2721 | 2.7 | 84 | 42 | 594 | 0.68 | 0.03 | | 35.56 | 5.4 | 7.55 | 1.49 | | | | |
| DSW 55" | 1/14/21 | 942 | 2.9 | 89 | 42 | 592 | 0.10 | 1.4 | 98 | 2764 | 2.7 | 85 | 43 | 608 | 0.68 | 0.05 | | 35.54 | 5.2 | 7.58 | 1.64 | | | | |
| DSW 55" | 2/11/21 | 1012 | 2.8 | 88 | 42 | 591 | 0.06 | 0.8 | 94 | 2650 | 2.6 | 82 | 43 | 600 | 0.68 | 0.04 | | 35.59 | 5.4 | 7.58 | 1.56 | | | | |
| DSW 55" | 3/24/21 | 1153 | 2.9 | 91 | 45 | 636 | 0.05 | 0.7 | 100 | 2821 | 2.7 | 83 | 45 | 631 | 0.73 | 0.07 | | 35.70 | 5.0 | 7.53 | 1.64 | | | | |
| DSW 55" | 4/13/21 | 1014 | 2.9 | 89 | 40 | 561 | 0.05 | 0.7 | 96 | 2704 | 2.7 | 83 | 45 | 629 | 0.53 | 0.03 | | 35.55 | 5.3 | 7.48 | 1.64 | | | | |
| DSW 55" | 5/4/21 | 1124 | 2.8 | 88 | 43 | 608 | 0.24 | 3.4 | 97 | 2728 | 2.6 | 80 | 42 | 593 | 0.43 | 0.04 | | 35.63 | 5.2 | 7.55 | 1.61 | | | | |
| DSW 55" | 6/22/21 | 942 | 2.9 | 89 | 44 | 623 | 0.20 | 2.8 | 97 | 2727 | 2.6 | 82 | 43 | 605 | 1.05 | 0.06 | | 35.55 | 5.2 | 7.49 | 1.66 | | | | |
| DSW 55" | 7/1/21 | 1439 | 3.2 | 100 | 44 | 614 | 0.18 | 2.5 | 101 | 2827 | 3.1 | 96 | 45 | 627 | 0.83 | 0.07 | | 35.16 | 5.0 | 7.48 | 1.70 | | | | |
| DSW 55" | 8/11/21 | 1000 | 3.1 | 96 | 42 | 595 | 0.04 | 0.5 | 99 | 2787 | 3.0 | 92 | 43 | 609 | 1.05 | 0.04 | | 35.19 | 5.2 | 7.45 | 1.72 | | | | |
| DSW 55" | 9/7/21 | 1003 | 3.2 | 98 | 44 | 621 | 0.09 | 1.3 | 98 | 2751 | 3.0 | 94 | 46 | 639 | 0.28 | 0.07 | | 35.19 | 5.2 | 7.49 | 1.61 | | | | |
| DSW 55" | 10/19/21 | 1335 | 3.1 | 97 | 43 | 609 | 0.09 | 1.2 | 104 | 2921 | 3.0 | 93 | 43 | 596 | 0.85 | 0.07 | | 35.20 | 5.1 | 7.47 | 1.80 | | | | |
| DSW 55" | 11/4/21 | 1514 | 3.1 | 95 | 43 | 597 | 0.38 | 5.3 | 107 | 2999 | 2.9 | 91 | 43 | 606 | 0.90 | 0.09 | | 34.82 | 4.8 | 7.43 | 1.81 | | | | |
| DSW 55" | 12/2/21 | 1347 | 3.2 | 98 | 43 | 608 | 0.04 | 0.5 | 102 | 2872 | 3.0 | 94 | 41 | 575 | 1.05 | 0.08 | | | | | | | | | |
| DSW 55" | 1/27/22 | 940 | 3.6 | 110 | 42 | 594 | 0.05 | 0.7 | 103 | 2888 | 3.4 | 105 | 43 | 600 | 0.85 | 0.05 | | | | | | | | | |
| DSW 55" | 2/3/22 | 1011 | 3.2 | 98 | 42 | 590 | 0.12 | 1.7 | 101 | 2839 | 3.0 | 94 | 44 | 611 | 0.60 | 0.04 | | 34.46 | 5.3 | 7.51 | 1.62 | | | | |
| DSW 55" | 3/29/22 | 1111 | 3.0 | 93 | 43 | 602 | -0.07 | -1.0 | 101 | 2841 | 2.8 | 86 | 45 | 630 | 0.68 | 0.06 | | 34.45 | 5.4 | 7.49 | 1.86 | | | | |
| DSW 55" | 4/12/22 | 1100 | 3.0 | 93 | 44 | 616 | 0.02 | 0.3 | 103 | 2885 | 3.0 | 92 | 43 | 608 | 0.65 | 0.09 | | 34.62 | 5.2 | 7.45 | 1.92 | | | | |
| DSW 55" | 5/10/22 | 936 | 3.1 | 97 | 42 | 588 | 0.24 | 3.3 | 102 | 2855 | 3.1 | 96 | 44 | 610 | 0.70 | 0.02 | | 34.54 | 5.4 | 7.48 | 1.65 | | | | |
| DSW 55" | 6/1/22 | 955 | 2.8 | 87 | 44 | 610 | -0.02 | -0.3 | 96 | 2686 | 2.8 | 87 | 45 | 629 | 0.45 | 0.06 | | 34.55 | 5.3 | 7.50 | 1.65 | | | | |
| DSW 55" | 7/21/22 | 1054 | 2.9 | 89 | 42 | 590 | 0.11 | 1.5 | 100 | 2807 | 2.7 | 84 | 43 | 600 | 0.75 | 0.06 | | 34.55 | 5.0 | 7.50 | 1.71 | | | | |
| DSW 55" | 8/2/22 | 1457 | 2.9 | 89 | 42 | 590 | 0.13 | 1.8 | 102 | 2862 | 2.7 | 85 | 43 | 605 | 0.68 | 0.02 | | 34.55 | 5.0 | 7.44 | 1.72 | | | | |
| DSW 55" | 9/8/22 | 1008 | 3.1 | 95 | 44 | 615 | 0.21 | 3.0 | 105 | 2946 | 2.8 | 88 | 46 | 640 | 0.78 | 0.11 | | 34.56 | 4.9 | 7.55 | 1.86 | | | | |
| DSW 55" | 10/12/22 | 924 | 2.9 | 90 | 43 | 602 | 0.01 | 0.1 | 99 | 2790 | 2.8 | 87 | 44 | 613 | 0.83 | 0.03 | | 34.52 | 4.9 | 7.53 | 1.81 | | | | |
| DSW 55" | 11/16/22 | 919 | 2.8 | 88 | 43 | 602 | 0.09 | 1.2 | 96 | 2701 | 2.8 | 86 | 44 | 620 | 0.53 | 0.02 | | 34.50 | 4.9 | 7.54 | 1.74 | | | | |
| DSW 55" | 12/8/22 | 1056 | 2.8 | 88 | 42 | 594 | 0.10 | 1.4 | 94 | 2626 | 2.7 | 84 | 43 | 604 | 0.78 | 0.02 | | 34.52 | 5.1 | 7.52 | 1.75 | | | | |
| DSW 55" | 1/17/23 | 940 | 2.9 | 91 | 42 | 582 | 0.14 | 2.0 | 95 | 2656 | 2.8 | 85 | 42 | 592 | 0.63 | 0.09 | | 34.49 | 5.2 | 7.57 | 1.75 | | | | |
| DSW 55" | 2/16/23 | 906 | 3.0 | 94 | 43 | 606 | 0.10 | 1.4 | 95 | 2656 | 2.9 | 90 | 44 | 610 | 0.78 | 0.09 | | 34.55 | 5.0 | 7.52 | 1.73 | | | | |
| DSW 55" | 3/10/23 | 1025 | 3.1 | 97 | 43 | 597 | 0.05 | 0.7 | 92 | 2575 | 2.9 | 91 | 43 | 606 | 0.65 | 0.10 | | 34.52 | 5.4 | 7.54 | 1.72 | | | | |
| DSW 55" | 4/2/23 | 945 | 3.2 | 100 | 43 | 599 | 0.27 | 3.8 | 91 | 2565 | 3.0 | 94 | 43 | 607 | 1.62 | 0.05 | | 34.52 | 5.3 | 7.51 | 1.62 | | | | |
| DSW 55" | 5/31/23 | 1033 | 3.0 | 93 | 43 | 603 | 0.16 | 2.2 | 93 | 2600 | 2.9 | 89 | 44 | 614 | 0.60 | 0.06 | | 34.50 | 5.3 | 7.47 | 1.78 | | | | |
| DSW 55" | 6/30/23 | 933 | 2.9 | 90 | 43 | 604 | 0.93 | 13.0 | 92 | 2588 | 2.9 | 91 | 44 | 616 | 1.23 | 0.07 | | 34.50 | 5.3 | 7.54 | 1.76 | | | | |
| DSW 55" | 7/12/23 | 1524 | 3.1 | 95 | 43 | 599 | 0.16 | 2.3 | 87 | 2430 | 2.8 | 87 | 43 | 599 | 0.48 | 0.08 | | 34.47 | 5.8 | 7.50 | 1.51 | | | | |
| DSW 55" | 8/4/23 | 949 | 3.0 | 92 | 43 | 597 | 0.26 | 3.6 | 90 | 2537 | 2.7 | 84 | 44 | 616 | 0.55 | 0.06 | | 34.48 | 5.7 | 7.50 | 1.56 | | | | |
| DSW 55" | 9/6/23 | 1312 | 3.1 | 97 | 41 | 569 | 0.24 | 3.3 | 93 | 2620 | 2.9 | 91 | 41 | 572 | 0.55 | 0.06 | | 34.47 | 5.7 | 7.63 | 1.68 | | | | |
| DSW 55" | 10/4/23 | 1553 | 3.0 | 94 | 43 | 607 | 0.14 | 1.9 | 88 | 2472 | 2.9 | 90 | 44 | 617 | 0.53 | 0.07 | | 34.43 | 5.7 | 7.53 | 1.65 | | | | |
| DSW 55" | 11/14/23 | 929 | 3.0 | 94 | 43 | 596 | 0.19 | 2.7 | 93 | 2608 | 2.9 | 89 | 44 | 610 | 0.55 | 0.08 | | 34.47 | 5.4 | 7.67 | 1.72 | | | | |
| DSW 55" | 12/15/23 | | | | | | | | | | | | | | | | | | | | | | | | |
| DSW 55" | 1/15/24 | | | | | | | | | | | | | | | | | | | | | | | | |
| DSW 55" | 2/15/24 | | | | | | | | | | | | | | | | | | | | | | | | |
| DSW 55" | 3/15/24 | | | | | | | | | | | | | | | | | | | | | | | | |
| DSW 55" | 4/15/24 | | | | | | | | | | | | | | | | | | | | | | | | |
| DSW 55" | 5/15/24 | | | | | | | | | | | | | | | | | | | | | | | | |
| DSW 55" | 6/15/24 | | | | | | | | | | | | | | | | | | | | | | | | |
| Mean (Aug. '05 - present) | | | 3.0 | 93 | 43.3 | 607 | 0.2 | 3.1 | 99.4 | 2791 | 3.0 | 93 | 45.5 | 637 | 0.6 | 0.87 | 0.05 | 0.06 | 2.37 | 34.63 | 5.32 | 7.58 | 1.94 | | |
| STD DEV | | | 0.3 | 10 | 4.6 | 64 | 0.2 | 2.5 | 10.3 | 289 | 0.4 | 12 | 5.9 | 83 | 0.05 | 0.54 | 0.06 | 0.21 | 0.36 | 0.37 | 0.11 | 0.64 | | | |
| Range | | | | | | | | | | | | | | | | | | | | | | | | | |
| UWL +2s | | | 3.7 | 113 | 52 | 734 | 0.58 | 8.2 | 120 | 3369 | 3.8 | 117 | 57 | 803 | 0.69 | 1.96 | 0.18 | 2.78 | 35.357 | 6.1 | 7.80 | 3.22 | | | |
| LWL -2s | | | 2.4 | 73 | 34 | 479 | -0.14 | -2.0 | 79 | 2213 | 2.2 | 69 | 34 | 471 | 0.48 | -0.22 | -0.07 | 1.95 | 33.910 | 4.6 | 7.35 | 0.66 | | | |
| UCL +3s | | | 4.0 | 123 | 57 | 798 | 0.76 | 10.7 | 130 | 3658 | 4.2 | 129 | 63 | 886 | 0.74 | 2.50 | 0.24 | 2.99 | 35.718 | 6.4 | 7.92 | 3.86 | | | |
| LCL -3s | | | 2.1 | 64 | 30 | 415 | -0.32 | -4.5 | 68 | 1923 | 1.9 | 57 | 28 | 388 | 0.43 | -0.76 | -0.13 | 1.74 | 33.549 | 4.2 | 7.24 | 0.02 | | | |
| Data | | | | | | | | | | | | | | | | | | | | | | | | | |
| Max. Value | | | | | | | | | | | | | | | | | | | | | | | | | |

NELHA Water Quality Laboratory
DSW 55"
Intake Depth: 915 m, Offshore Pipe Length: 3,124 m



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