

| | | Year 2013 | | | | | | | | | | | | | | | | |
|------------------------------|---------------------|-----------------------|------------------|--------------|------------------|------------------|--------------|------------------|------------------|--------------|------------------|--------------|--------------|------------------|-----------|------------------|--------------|--------------|
| Determinand | Units | Sample Date | March | | | April | | | September | | | | | October | | | | |
| | | Site Details | Central Bay Site | Port Site | La Collette Site | Central Bay Site | Port Site | La Collette Site | Central Bay Site | Port Site | La Collette Site | Offshore | Bel Croute | Central Bay Site | Port Site | La Collette Site | Offshore | Bel Croute |
| Salinity | ‰ | | 35.7 | 35.7 | 35.7 | 35.1 | 35 | 35.1 | 35.5 | Not measured | 34.8 | 35 | 35 | 35.2 | 35.2 | 35.2 | 35.1 | 35.2 |
| DO | mgL ⁻¹ | | 10.8 | 10.6 | 10.6 | 12.5 | 12.5 | 12.4 | 7.8 | Not measured | 8.1 | 8.2 | 7.7 | 9 | 9.1 | 9 | 8.8 | 9.1 |
| DO normalised to salinity 35 | mgL ⁻¹ | | 10.6 | 10.4 | 10.4 | 12.5 | 12.5 | 12.4 | 7.7 | | 8.1 | 8.2 | 7.7 | 8.9 | 9.0 | 8.9 | 8.8 | 9.0 |
| Total Inorganic Nitrogen | µgL ⁻¹ | Measured Value | <256 | <210 | <210 | <210 | <210 | <211 | Not measured | Not measured | Not measured | Not measured | Not measured | <210 | <210 | <228 | Not measured | Not measured |
| Total Inorganic Nitrogen | µgL ⁻¹ | Value or 0.5 * LOD | 128 | 105 | 105 | 105 | 105 | 105.5 | | | | | | 105 | 105 | 114 | | |
| Total Inorganic Nitrogen | µmolL ⁻¹ | Value or 0.5 * LOD | 9.14 | 7.50 | 7.50 | 7.50 | 7.50 | 7.53 | | | | | | 7.50 | 7.50 | 8.14 | | |
| Dissolved Inorganic Nitrogen | µgL ⁻¹ | Measured Value | Not measured | Not measured | Not measured | Not measured | Not measured | Not measured | Not measured | Not measured | Not measured | Not measured | Not measured | 95.4 | 120 | 102 | Not measured | Not measured |
| Dissolved Inorganic Nitrogen | µgL ⁻¹ | Value or 0.5 * LOD | | | | | | | | | | | | 95 | 120 | 102 | | |
| Dissolved Inorganic Nitrogen | µmolL ⁻¹ | Value or 0.5 * LOD | | | | | | | | | | | | 6.81 | 8.57 | 7.28 | | |
| Dissolved Inorganic Nitrogen | µmolL ⁻¹ | Adjusted for salinity | | | | | | | | | | | | 15.09 | 15.09 | 15.09 | 15.18 | 15.09 |
| Turbidity | FTU | | Not measured | Not measured | Not measured | Not measured | Not measured | Not measured | Not measured | Not measured | Not measured | Not measured | Not measured | 2.1 | 1.7 | 2.5 | Not measured | Not measured |

| Determinand | Units | Year | | | | | | | | | | | | | | | |
|------------------------------|---------------------|-----------------------|------------------|-----------|------------------|----------|------------|------------------|-----------|------------------|----------|------------|------------------|-----------|------------------|----------|------------|
| | | Sample Date | November | | | | | December | | | | | January | | | | |
| | | Site Details | Central Bay Site | Port Site | La Collette Site | Offshore | Bel Croute | Central Bay Site | Port Site | La Collette Site | Offshore | Bel Croute | Central Bay Site | Port Site | La Collette Site | Offshore | Bel Croute |
| Salinity | ‰ | | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.7 | 35.7 | 35.7 | 35.6 | 35.1 | 35.1 | 34.6 | 34.7 | 35.1 |
| DO | mgL ⁻¹ | | 9.2 | 8 | 8.2 | 9.2 | 8.4 | 8.8 | 8.6 | 8.8 | 8.1 | 8.8 | 8.7 | 8.9 | 8.7 | 8.6 | 8.8 |
| DO normalised to salinity 35 | mgL ⁻¹ | | 9.1 | 7.9 | 8.1 | 9.1 | 8.3 | 8.7 | 8.4 | 8.6 | 7.9 | 8.7 | 8.7 | 8.9 | 8.8 | 8.7 | 8.8 |
| Total Inorganic Nitrogen | µgL ⁻¹ | Measured Value | <213 | <210 | <222 | measured | measured | 1000 | <210 | <211 | measured | measured | 228 | 659 | <210 | measured | measured |
| Total Inorganic Nitrogen | µgL ⁻¹ | Value or 0.5 * LOD | 106.5 | 105 | 111 | | | 1000 | 105 | 105.5 | | | 228 | 329.5 | 105 | | |
| Total Inorganic Nitrogen | µmolL ⁻¹ | Value or 0.5 * LOD | 7.60 | 7.50 | 7.92 | | | 71.39 | 7.50 | 7.53 | | | 16.28 | 23.52 | 7.50 | | |
| Dissolved Inorganic Nitrogen | µgL ⁻¹ | Measured Value | 168 | <104 | 185 | measured | measured | 1060 | <145 | <138 | measured | measured | 250 | 697 | <240 | measured | measured |
| Dissolved Inorganic Nitrogen | µgL ⁻¹ | Value or 0.5 * LOD | 168 | 52 | 185 | | | 1060 | 72.5 | 69 | | | 250 | 697 | 120 | | |
| Dissolved Inorganic Nitrogen | µmolL ⁻¹ | Value or 0.5 * LOD | 11.99 | 3.71 | 13.21 | | | 75.67 | 5.18 | 4.93 | | | 17.85 | 49.76 | 8.57 | | |
| Dissolved Inorganic Nitrogen | µmolL ⁻¹ | Adjusted for salinity | 14.90 | 14.90 | 14.90 | 14.90 | 14.90 | 14.90 | 14.62 | 14.62 | 14.62 | 14.71 | 15.18 | 15.18 | 15.66 | 15.56 | 15.18 |
| Turbidity | FTU | | 2.7 | 1.7 | 2.1 | measured | measured | 1.4 | 1.4 | 1.6 | measured | measured | 7.1 | 7.7 | 14.6 | measured | measured |

| | | Year | | | | | | | | | | | | | | | |
|------------------------------|---------------------|-----------------------|------------------|-----------|------------------|----------|------------|------------------|-----------|------------------|----------|------------|------------------|-----------|------------------|----------|------------|
| Determinand | Units | Sample Date | February | | | | | March | | | | | April | | | | |
| | | Site Details | Central Bay Site | Port Site | La Collette Site | Offshore | Bel Croute | Central Bay Site | Port Site | La Collette Site | Offshore | Bel Croute | Central Bay Site | Port Site | La Collette Site | Offshore | Bel Croute |
| Salinity | ‰ | | 35 | 34.7 | 34.8 | 34.9 | 34.5 | 35.2 | 35.4 | 35.3 | 35.5 | 35.4 | 35.1 | 35.1 | 35.3 | 35.3 | 35.3 |
| DO | mgL ⁻¹ | | 11 | 10.9 | 11.2 | 11 | 11 | 11.5 | 11.5 | 11.5 | 11.4 | 11.6 | 11.3 | 10.7 | 11.1 | 11.4 | 10.8 |
| DO normalised to salinity 35 | mgL ⁻¹ | | 11.0 | 11.0 | 11.3 | 11.0 | 11.2 | 11.4 | 11.4 | 11.4 | 11.2 | 11.5 | 11.3 | 10.7 | 11.0 | 11.3 | 10.7 |
| Total Inorganic Nitrogen | µgL ⁻¹ | Measured Value | <210 | <280 | <210 | measured | measured | <390 | <230 | <210 | measured | measured | <216 | <210 | <210 | measured | measured |
| Total Inorganic Nitrogen | µgL ⁻¹ | Value or 0.5 * LOD | 105 | 140 | 105 | | | 195 | 115 | 105 | | | 108 | 105 | 105 | | |
| Total Inorganic Nitrogen | µmolL ⁻¹ | Value or 0.5 * LOD | 7.50 | 9.99 | 7.50 | | | 13.92 | 8.21 | 7.50 | | | 7.71 | 7.50 | 7.50 | | |
| Dissolved Inorganic Nitrogen | µgL ⁻¹ | Measured Value | 226 | 308 | 217 | measured | measured | <557 | <216 | <178 | measured | measured | 134 | <117 | <118 | measured | measured |
| Dissolved Inorganic Nitrogen | µgL ⁻¹ | Value or 0.5 * LOD | 226 | 308 | 217 | | | 278.5 | 108 | 89 | | | 134 | 58.5 | 59 | | |
| Dissolved Inorganic Nitrogen | µmolL ⁻¹ | Value or 0.5 * LOD | 16.13 | 21.99 | 15.49 | | | 19.88 | 7.71 | 6.35 | | | 9.57 | 4.18 | 4.21 | | |
| Dissolved Inorganic Nitrogen | µmolL ⁻¹ | Adjusted for salinity | 15.28 | 15.56 | 15.47 | 15.37 | 15.75 | 15.09 | 14.90 | 15.00 | 14.81 | 14.90 | 15.18 | 15.18 | 15.00 | 15.00 | 15.00 |
| Turbidity | FTU | | 7.3 | 6.8 | 15.4 | measured | measured | 5.1 | 4.6 | 7.2 | measured | measured | 3.6 | 1.9 | 2.8 | measured | measured |

| | | Year 2014 | | | | | | | | | | | | | | | |
|------------------------------|---------------------|-----------------------|------------------|-----------|------------------|----------|------------|------------------|-----------|------------------|----------|------------|------------------|-----------|------------------|----------|------------|
| Determinand | Units | Sample Date | May | | | | | June | | | | | July | | | | |
| | | Site Details | Central Bay Site | Port Site | La Collette Site | Offshore | Bel Croute | Central Bay Site | Port Site | La Collette Site | Offshore | Bel Croute | Central Bay Site | Port Site | La Collette Site | Offshore | Bel Croute |
| Salinity | ‰ | | 35.1 | 33.9 | 33.9 | 33.9 | 33.3 | 33.9 | 33.6 | 33.6 | 33.9 | 34.0 | 33.0 | 33.0 | 34.0 | 34.0 | 34.0 |
| DO | mgL ⁻¹ | | 11.2 | 11.2 | 11.3 | 11.6 | 10.8 | 10.3 | 9.2 | 10.2 | 10 | 8.7 | 8.5 | 8.6 | 8.5 | 7.8 | 8.7 |
| DO normalised to salinity 35 | mgL ⁻¹ | | 11.2 | 11.6 | 11.7 | 12.0 | 11.4 | 10.6 | 9.6 | 10.6 | 10.3 | 9.0 | 9.0 | 9.1 | 8.8 | 8.0 | 9.0 |
| Total Inorganic Nitrogen | µgL ⁻¹ | Measured Value | <210 | <210 | <210 | measured | measured | <210 | <210 | <210 | measured | measured | <210 | <210 | <210 | <210 | <210 |
| Total Inorganic Nitrogen | µgL ⁻¹ | Value or 0.5 * LOD | 105 | 105 | 105 | | | 105 | 105 | 105 | | | 105 | 105 | 105 | 105 | 105 |
| Total Inorganic Nitrogen | µmolL ⁻¹ | Value or 0.5 * LOD | 7.50 | 7.50 | 7.50 | | | 7.50 | 7.50 | 7.50 | | | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 |
| Dissolved Inorganic Nitrogen | µgL ⁻¹ | Measured Value | <80.6 | <91.8 | <70.5 | measured | measured | <16.4 | <14 | <14 | measured | measured | 46.2 | <16.5 | <14 | <14 | <14 |
| Dissolved Inorganic Nitrogen | µgL ⁻¹ | Value or 0.5 * LOD | 40.3 | 45.9 | 35.3 | | | 8.2 | 7.0 | 7.0 | | | 46.2 | 8.3 | 7 | 7 | 7 |
| Dissolved Inorganic Nitrogen | µmolL ⁻¹ | Value or 0.5 * LOD | 2.88 | 3.28 | 2.52 | | | 0.59 | 0.50 | 0.50 | | | 3.30 | 0.59 | 0.50 | 0.50 | 0.50 |
| Dissolved Inorganic Nitrogen | µmolL ⁻¹ | Adjusted for salinity | 15.18 | 16.32 | 16.32 | 16.32 | 16.88 | 16.32 | 16.60 | 16.60 | 16.32 | 16.22 | 17.17 | 17.17 | 16.22 | 16.22 | 16.22 |
| Turbidity | FTU | | 2.5 | 2.6 | 3.6 | measured | measured | 1.7 | 1.7 | 1.3 | measured | measured | 1.1 | 1.4 | 1.4 | measured | measured |

| | | Year | | | | | | | | | | | | | | | |
|------------------------------|---------------------|-----------------------|------------------|-----------|------------------|--------------|--------------|------------------|-----------|------------------|----------|------------|------------------|--------------|------------------|--------------|--------------|
| Determinand | Units | Sample Date | August | | | | | September | | | | | October | | | | |
| | | Site Details | Central Bay Site | Port Site | La Collette Site | Offshore | Bel Croute | Central Bay Site | Port Site | La Collette Site | Offshore | Bel Croute | Central Bay Site | Port Site | La Collette Site | Offshore | Bel Croute |
| Salinity | ‰ | | 35.0 | 34.9 | 35.0 | 35.0 | 34.9 | 34.9 | 35.1 | 35.1 | 34.9 | 35.0 | Not measured | Not measured | Not measured | Not measured | Not measured |
| DO | mgL ⁻¹ | | 8.7 | 8.3 | 8.5 | 8.7 | 8.5 | 8.0 | 8.2 | 8.0 | 8.0 | 8.2 | 7.5 | 6.7 | 6.6 | 6.9 | 6.3 |
| DO normalised to salinity 35 | mgL ⁻¹ | | 8.7 | 8.3 | 8.5 | 8.7 | 8.5 | 8.0 | 8.2 | 8.0 | 8.0 | 8.2 | | | | | |
| Total Inorganic Nitrogen | µgL ⁻¹ | Measured Value | <212 | <223 | <213 | measured | measured | 9610 | <210 | <317 | <210 | <210 | <213 | <216 | <210 | <216 | <210 |
| Total Inorganic Nitrogen | µgL ⁻¹ | Value or 0.5 * LOD | 106 | 111.5 | 106.5 | | | 9610 | 105 | 158.5 | 105 | 105 | 106.5 | 108 | 105 | 108 | 105 |
| Total Inorganic Nitrogen | µmolL ⁻¹ | Value or 0.5 * LOD | 7.57 | 7.96 | 7.60 | | | 686.04 | 7.50 | 11.31 | 7.50 | 7.50 | 7.60 | 7.71 | 7.50 | 7.71 | 7.50 |
| Dissolved Inorganic Nitrogen | µgL ⁻¹ | Measured Value | 29.5 | 51.5 | 27.6 | Not measured | Not measured | 140.0 | <20.2 | <14.0 | 33.6 | 26.2 | 88.3 | 87.6 | 87.3 | 92.3 | 92.6 |
| Dissolved Inorganic Nitrogen | µgL ⁻¹ | Value or 0.5 * LOD | 29.5 | 51.5 | 27.6 | | | 140.0 | 10.1 | 7.0 | 16.8 | 13.1 | 88.3 | 87.6 | 87.3 | 92.3 | 92.6 |
| Dissolved Inorganic Nitrogen | µmolL ⁻¹ | Value or 0.5 * LOD | 2.11 | 3.68 | 1.97 | | | 9.99 | 0.72 | 0.50 | 1.20 | 0.94 | 6.30 | 6.25 | 6.23 | 6.59 | 6.61 |
| Dissolved Inorganic Nitrogen | µmolL ⁻¹ | Adjusted for salinity | 15.28 | 15.37 | 15.28 | 15.28 | 15.37 | 15.37 | 15.18 | 15.18 | 15.37 | 15.28 | | | | | |
| Turbidity | FTU | | 1.0 | 1.9 | 1.6 | Not measured | Not measured | <1.0 | <1.0 | 1.1 | 1.4 | 1.1 | 1.8 | 1.8 | 1.9 | 2.1 | 1.7 |

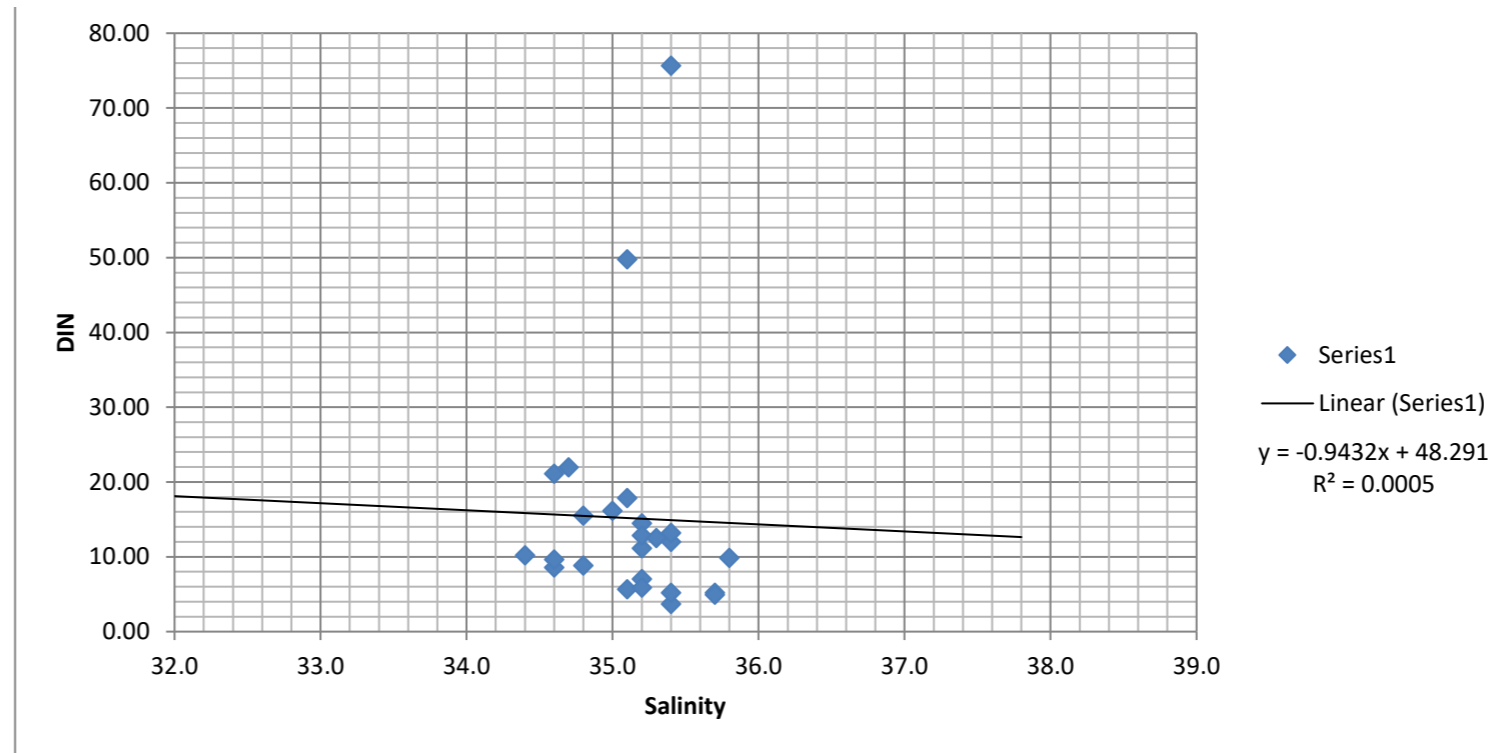
| Determinand | Units | Year | | | | | | | | | | | | | | | |
|------------------------------|---------------------|-----------------------|------------------|-----------|------------------|----------|------------|------------------|-----------|------------------|--------------|--------------|------------------|-----------|------------------|--------------|------------|
| | | Sample Date | November | | | | December | | | | January | | | | | | |
| | | Site Details | Central Bay Site | Port Site | La Collette Site | Offshore | Bel Croute | Central Bay Site | Port Site | La Collette Site | Offshore | Bel Croute | Central Bay Site | Port Site | La Collette Site | Offshore | Bel Croute |
| Salinity | ‰ | | 34.6 | 34.6 | 34.8 | 34.4 | 35.8 | 35.2 | 35.2 | 35.2 | 35.0 | 35.2 | 35.2 | 35.1 | 35.4 | 35.4 | 35.3 |
| DO | mgL ⁻¹ | | 9.8 | 9.6 | 10.0 | 9.5 | 9.2 | 10.6 | 11.1 | 11.2 | 11.3 | 10.9 | 9.8 | 8.4 | 9.5 | 8.5 | 9.2 |
| DO normalised to salinity 35 | mgL ⁻¹ | | 9.9 | 9.7 | 10.1 | 9.7 | 9.0 | 10.5 | 11.0 | 11.1 | 11.3 | 10.8 | 9.7 | 8.4 | 9.4 | 8.4 | 9.1 |
| Total Inorganic Nitrogen | µgL ⁻¹ | Measured Value | <367 | <211 | <210 | <210 | <210 | <210 | <223 | <222 | Not measured | Not measured | <210 | <210 | <210 | Not measured | <214 |
| Total Inorganic Nitrogen | µgL ⁻¹ | Value or 0.5 * LOD | 183.5 | 105.5 | 105 | 105 | 105 | 105 | 111.5 | 111 | | | 105 | 105 | 105 | | 107 |
| Total Inorganic Nitrogen | µmolL ⁻¹ | Value or 0.5 * LOD | 13.10 | 7.53 | 7.50 | 7.50 | 7.50 | 7.50 | 7.96 | 7.92 | | | 7.50 | 7.50 | 7.50 | | 7.64 |
| Dissolved Inorganic Nitrogen | µgL ⁻¹ | Measured Value | 296 | 135 | 124 | 143 | 138 | 156 | 203 | 180 | Not measured | Not measured | <197 | <159 | <145 | Not measured | 175 |
| Dissolved Inorganic Nitrogen | µgL ⁻¹ | Value or 0.5 * LOD | 296 | 135 | 124 | 143 | 138 | 156 | 203 | 180 | | | 98.5 | 79.5 | 72.5 | | 175 |
| Dissolved Inorganic Nitrogen | µmolL ⁻¹ | Value or 0.5 * LOD | 21.13 | 9.64 | 8.85 | 10.21 | 9.85 | 11.14 | 14.49 | 12.85 | | | 7.03 | 5.68 | 5.18 | | 12.49 |
| Dissolved Inorganic Nitrogen | µmolL ⁻¹ | Adjusted for salinity | 15.66 | 15.66 | 15.47 | 15.84 | 14.52 | 15.09 | 15.09 | 15.09 | 15.28 | 15.09 | 15.09 | 15.18 | 14.90 | 14.90 | 15.00 |
| Turbidity | FTU | | 2.2 | 1.8 | 2.9 | 3.5 | 3.1 | 4.0 | 3.8 | 5.7 | Not measured | Not measured | 2.8 | 4.9 | 6.2 | Not measured | 6.1 |

| | | Year | | | | | | | | | | | | | | | |
|------------------------------|---------------------|-----------------------|------------------|--------------|------------------|--------------|--------------|------------------|-----------|------------------|----------|------------|------------------|--------------|------------------|--------------|--------------|
| Determinand | Units | Sample Date | February | | | | | March | | | | | March #2 | | | | |
| | | Site Details | Central Bay Site | Port Site | La Collette Site | Offshore | Bel Croute | Central Bay Site | Port Site | La Collette Site | Offshore | Bel Croute | Central Bay Site | Port Site | La Collette Site | Offshore | Bel Croute |
| Salinity | ‰ | | 35.2 | 34.1 | 34.9 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | Not measured | Not measured | Not measured | Not measured | Not measured |
| DO | mgL ⁻¹ | | 11.4 | 11.3 | 11.4 | 11.1 | 11.1 | 10.1 | 11.5 | 11.0 | 11.6 | 10.6 | Not measured | Not measured | Not measured | Not measured | Not measured |
| DO normalised to salinity 35 | mgL ⁻¹ | | 11.3 | 11.6 | 11.4 | 11.0 | 11.0 | 10.0 | 11.4 | 10.9 | 11.5 | 10.5 | | | | | |
| Total Inorganic Nitrogen | µgL ⁻¹ | Measured Value | <210 | measured | measured | measured | measured | <215 | <210 | <210 | <210 | <390 | Not measured | <247 | <236 | <233 | <273 |
| Total Inorganic Nitrogen | µgL ⁻¹ | Value or 0.5 * LOD | 105 | | | | | 107.5 | 105 | 105 | 105 | 195 | | 123.5 | 118 | 116.5 | 136.5 |
| Total Inorganic Nitrogen | µmolL ⁻¹ | Value or 0.5 * LOD | 7.50 | | | | | 7.67 | 7.50 | 7.50 | 7.50 | 13.92 | | 8.82 | 8.42 | 8.32 | 9.74 |
| Dissolved Inorganic Nitrogen | µgL ⁻¹ | Measured Value | <165 | Not measured | Not measured | Not measured | Not measured | 157 | 169 | 154 | <150 | 457 | Not measured | 182 | 155 | 157 | 192 |
| Dissolved Inorganic Nitrogen | µgL ⁻¹ | Value or 0.5 * LOD | 82.5 | | | | | 157 | 169 | 154 | 75 | 457 | | 182 | 155 | 157 | 192 |
| Dissolved Inorganic Nitrogen | µmolL ⁻¹ | Value or 0.5 * LOD | 5.89 | | | | | 11.21 | 12.06 | 10.99 | 5.35 | 32.62 | | 12.99 | 11.07 | 11.21 | 13.71 |
| Dissolved Inorganic Nitrogen | µmolL ⁻¹ | Adjusted for salinity | 15.09 | 16.13 | 15.37 | 15.09 | 15.09 | 15.09 | 15.09 | 15.09 | 15.09 | 15.09 | | | | | |
| Turbidity | FTU | | 2.4 | Not measured | Not measured | Not measured | Not measured | 1.5 | 4.8 | 3.4 | 6.1 | 16.8 | Not measured | 2.3 | 6.3 | 3.4 | 2.6 |

| | | Year 2015 | | | | | | | | | | | | | | | |
|------------------------------|---------------------|-----------------------|------------------|-----------|------------------|----------|------------|------------------|-----------|------------------|----------|------------|------------------|-----------|------------------|----------|------------|
| Determinand | Units | Sample Date | April | | | | | May | | | | | June | | | | |
| | | Site Details | Central Bay Site | Port Site | La Collette Site | Offshore | Bel Croute | Central Bay Site | Port Site | La Collette Site | Offshore | Bel Croute | Central Bay Site | Port Site | La Collette Site | Offshore | Bel Croute |
| Salinity | ‰ | | 35.0 | 35.0 | 34.9 | 34.7 | 35.0 | 34.9 | 34.9 | 35.0 | 34.9 | 34.9 | 34.9 | 35.2 | 35.3 | 35.2 | 35.3 |
| DO | mgL ⁻¹ | | 9.2 | 8.9 | 9.1 | 9.0 | 9.0 | 7.9 | 8.1 | 8.7 | 8.4 | 8.1 | 8.0 | 7.9 | 8.0 | 8.3 | 8.2 |
| DO normalised to salinity 35 | mgL ⁻¹ | | 9.2 | 8.9 | 9.1 | 9.1 | 9.0 | 7.9 | 8.1 | 8.7 | 8.4 | 8.1 | 8.0 | 7.9 | 7.9 | 8.3 | 8.1 |
| Total Inorganic Nitrogen | µgL ⁻¹ | Measured Value | <211 | <210 | <210 | <210 | <215 | <210 | <210 | <210 | <210 | <210 | <469 | <210 | <210 | <210 | <210 |
| Total Inorganic Nitrogen | µgL ⁻¹ | Value or 0.5 * LOD | 105.5 | 105 | 105 | 105 | 107.5 | 105 | 105 | 105 | 105 | 105 | 234.5 | 105 | 105 | 105 | 105 |
| Total Inorganic Nitrogen | µmolL ⁻¹ | Value or 0.5 * LOD | 7.53 | 7.50 | 7.50 | 7.50 | 7.67 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 16.74 | 7.50 | 7.50 | 7.50 | 7.50 |
| Dissolved Inorganic Nitrogen | µgL ⁻¹ | Measured Value | 65 | <54.7 | <42.5 | <45.2 | 55.4 | 24.4 | <39.6 | 23.8 | <28.1 | <18.9 | 273 | <33.9 | <14 | <20.2 | <14 |
| Dissolved Inorganic Nitrogen | µgL ⁻¹ | Value or 0.5 * LOD | 65 | 27.4 | 21.3 | 22.6 | 55 | 24.4 | 19.8 | 23.8 | 14.1 | 9.5 | 273 | 17 | 7 | 10.1 | 7 |
| Dissolved Inorganic Nitrogen | µmolL ⁻¹ | Value or 0.5 * LOD | 4.64 | 1.96 | 1.52 | 1.61 | 3.95 | 1.74 | 1.41 | 1.70 | 1.01 | 0.68 | 19.49 | 1.21 | 0.50 | 0.72 | 0.50 |
| Dissolved Inorganic Nitrogen | µmolL ⁻¹ | Adjusted for salinity | 15.28 | 15.28 | 15.37 | 15.56 | 15.28 | 15.37 | 15.37 | 15.28 | 15.37 | 15.37 | 15.37 | 15.09 | 15.00 | 15.09 | 15.00 |
| Turbidity | FTU | | 2.0 | 42.6 | 87.7 | 2.5 | 1.7 | 2.6 | 2.3 | 2.3 | 1.7 | 2.7 | 1.7 | 1.0 | 1.1 | <1.0 | <1.0 |

| Determinand | Units | Year | | | | | | | | | | | | | | | |
|------------------------------|---------------------|-----------------------|------------------|--------------|------------------|--------------|--------------|------------------|-----------|------------------|-----------|------------|------------------|-----------|------------------|----------|------------|
| | | Sample Date | July | | | | August | | | | September | | | | | | |
| | | Site Details | Central Bay Site | Port Site | La Collette Site | Offshore | Bel Croute | Central Bay Site | Port Site | La Collette Site | Offshore | Bel Croute | Central Bay Site | Port Site | La Collette Site | Offshore | Bel Croute |
| Salinity | ‰ | | 34.2 | 34.7 | 34.8 | 35.0 | 34.8 | 34.8 | 34.7 | 34.8 | 34.5 | 34.7 | 34.6 | 34.6 | 34.6 | 34.5 | 34.6 |
| DO | mgL ⁻¹ | | Not measured | Not measured | Not measured | Not measured | Not measured | 9.3 | 8.2 | 8.8 | 8.7 | 8.9 | 8.2 | 8.5 | 8.5 | 8.4 | 8.2 |
| DO normalised to salinity 35 | mgL ⁻¹ | | | | | | | 9.4 | 8.3 | 8.9 | 8.8 | 9.0 | 8.3 | 8.6 | 8.6 | 8.5 | 8.3 |
| Total Inorganic Nitrogen | µgL ⁻¹ | Measured Value | <210 | <210 | <210 | <210 | <210 | <210 | <216 | <210 | <213 | <217 | <210 | <210 | <210 | <210 | <210 |
| Total Inorganic Nitrogen | µgL ⁻¹ | Value or 0.5 * LOD | 105 | 105 | 105 | 105 | 105 | 105 | 108 | 105 | 106.5 | 108.5 | 105 | 105 | 105 | 105 | 105 |
| Total Inorganic Nitrogen | µmolL ⁻¹ | Value or 0.5 * LOD | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.71 | 7.50 | 7.60 | 7.75 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 |
| Dissolved Inorganic Nitrogen | µgL ⁻¹ | Measured Value | <14 | 21.3 | <14 | <14 | <14 | <23.9 | 216 | <19.1 | <14 | <14 | <18.3 | 31.8 | <21 | <20.9 | <17.5 |
| Dissolved Inorganic Nitrogen | µgL ⁻¹ | Value or 0.5 * LOD | 7 | 21.3 | 7 | 7 | 7 | 11.95 | 216 | 9.55 | 7.00 | 7.00 | 9.15 | 31.8 | 10.5 | 10.45 | 8.75 |
| Dissolved Inorganic Nitrogen | µmolL ⁻¹ | Value or 0.5 * LOD | 0.50 | 1.52 | 0.50 | 0.50 | 0.50 | 0.85 | 15.42 | 0.68 | 0.50 | 0.50 | 0.65 | 2.27 | 0.75 | 0.75 | 0.62 |
| Dissolved Inorganic Nitrogen | µmolL ⁻¹ | Adjusted for salinity | 16.03 | 15.56 | 15.47 | 15.28 | 15.47 | 15.47 | 15.56 | 15.47 | 15.75 | 15.56 | 15.66 | 15.66 | 15.66 | 15.75 | 15.66 |
| Turbidity | FTU | | 1.1 | 1.1 | 1.3 | 1.1 | 1.1 | 1.9 | 2.0 | 1.8 | 1.2 | 3.5 | 1.1 | 1.1 | <1 | 1.3 | <1 |

| Determinand | Units | Year | Status Assessment | | | | | | |
|------------------------------|---------------------|-----------------------|-----------------------------------|------------|--------------------------------|------------|---------------------------------|------------|------------|
| | | Sample Date | Year 1 - April 2012 to April 2013 | | Year 2 - Sept 2013 to Aug 2014 | | Year 3 - Sept 2014 to Sept 2015 | | |
| | | Site Details | Annual Result | WFD Status | Annual Result | WFD Status | Annual Result | WFD Status | |
| Salinity | ‰ | | NA | NA | NA | NA | NA | NA | |
| DO | mgL ⁻¹ | | NA | NA | NA | NA | NA | NA | |
| DO normalised to salinity 35 | mgL ⁻¹ | | 7.15 | High | 7.94 | High | 7.96 | High | Note 1 |
| Total Inorganic Nitrogen | µgL ⁻¹ | Measured Value | NA | NA | NA | NA | NA | NA | |
| Total Inorganic Nitrogen | µgL ⁻¹ | Value or 0.5 * LOD | NA | NA | NA | NA | NA | NA | |
| Total Inorganic Nitrogen | µmolL ⁻¹ | Value or 0.5 * LOD | 9.55 | NA | 15.14 | NA | 8.01 | NA | Note 2 & 3 |
| Dissolved Inorganic Nitrogen | µgL ⁻¹ | Measured Value | Not measured | NA | NA | NA | NA | NA | |
| Dissolved Inorganic Nitrogen | µgL ⁻¹ | Value or 0.5 * LOD | NA | NA | NA | NA | NA | NA | |
| Dissolved Inorganic Nitrogen | µmolL ⁻¹ | Value or 0.5 * LOD | NA | NA | 20.37 | Moderate | 10.34 | High | Note 2 & 3 |
| Dissolved Inorganic Nitrogen | µmolL ⁻¹ | Adjusted for salinity | NA | NA | 15.11 | NA | 15.23 | NA | Note 2 & 5 |
| Turbidity | FTU | | Not measured | NA | 3.73 | NA | 5.02 | NA | Note 4 |



- Note 1** 5th Percentile of all results
- Note 2** WFD classification is based on Dissolved Inorganic Nitrogen (DIN). Only Total Inorganic Nitrogen (TIN) was measured in Year 1 of the monitoring programme and these measurements have been used to assess status. However, $TIN > DIN$ and therefore TIN represents a worst-case. For Years 2 and 3 of the monitoring programme DIN measurements were made, and these have been used for the status assessments.
- Note 3** Status should be based on mean of results from Nov-Feb at coastal salinity 30-34.5 ‰. Salinity of waters in St. Aubin's Bay are all >34.5 ‰ and therefore a WFD assessment is not relevant. If the coastal waters standards *are* applied, the results indicate 'moderate' status for Year 2 and 'high' status for Year 3 (no salinity adjustment; 'clear' turbidity).
- Note 4** The assessment of turbidity to support the inorganic nitrogen standard is based on mg/L suspended solids (SS). Results reported are as FTU which cannot be converted to mg/L SS. As the coastal waters around Jersey are of a high salinity (nearer what would be expected for offshore waters), 'clear' turbidity (< 10 mg/L SS) has been assumed.
- Note 5** This graph shows the relationship between salinity and DIN as required by DEFRA directions to assess status (although directions only apply to salinities 30-34.5). Based on Year 2/3 data only, there does not appear to be a significant relationship between salinity and DIN ($R^2=0.0005$). Nevertheless, this suggests that a salinity of 32, the DIN should be around 18 $\mu\text{mol/L}$.

| Taxon Detected | Sample Date | 24/10/2013 | | | | 19/11/2013 | | | | 04/12/2013 | | | | 22/01/2014 | | | | 19/02/14 | | | |
|---|--------------|------------------|---------------|-----------------|------------------|------------------|---------------|-----------------|------------------|------------------|---------------|-----------------|------------------|------------------|---------------|-----------------|------------------|------------------|---------------|-----------------|-----|
| | Site Details | La Collette Site | Offshore Site | Bel Croute Site | Central Bay Site | La Collette Site | Offshore Site | Bel Croute Site | Central Bay Site | La Collette Site | Offshore Site | Bel Croute Site | Central Bay Site | La Collette Site | Offshore Site | Bel Croute Site | Central Bay Site | La Collette Site | Offshore Site | Bel Croute Site | |
| | | Units | | | | | | | | | | | | | | | | | | | |
| Actinopterygii | | | | | | | | | | | | | | | | | | | | | |
| Alexandrium 20-50 µm | | | | | | | | | | | | | | | 666.666667 | 166.666667 | 333.333333 | 1100 | 1000 | 400 | 400 |
| Attheya | | | | | | | | | | | | | | | | | | | | | |
| Araphiated diatom <20 µm | | | | | | | | | | | | | | | | | | | | | |
| Araphiated diatom 20-50 µm | | | | | | | | | | | | | | | | | | | | | |
| Araphiated diatom >50 µm | | | | | | | | | | | | | | | | | | | | | |
| Asterionellopsis glacialis | 160 | | | | 285.7142857 | | | | | | | | | | | | | | | 800 | |
| Asterionellopsis kariana | | | | | | | | | | | | | | | | | | | | | |
| Bacillaria paxillifer | | 60 | | | | | | | | 357.1428571 | 142.8571429 | 1166.666667 | 2166.666667 | 1000 | | | 3100 | 2700 | 1000 | 3200 | |
| Bacteriastrium | | | | | | | | | | | | | | | | | | | | | |
| Bellerochea | | | | | | | 269.2307692 | | | | | | | | 666.666667 | | | | | | |
| Biddulphia alternans | 20 | 40 | 60 | | 76.92307692 | 76.92307692 | | | | | | 142.8571429 | | | | | | | | 200 | |
| CENTRIC DIATOM <20 µm | 640 | 940 | 880 | 142.8571429 | 38.46153846 | 269.2307692 | 423.0769231 | 76.92307692 | 285.7142857 | 214.2857143 | 428.5714286 | 500 | 1166.666667 | 833.3333333 | 1666.666667 | 600 | | | 700 | 500 | |
| CENTRIC DIATOM 20-50 µm | 100 | 160 | 60 | 142.8571429 | 230.7692308 | 192.3076923 | 307.6923077 | 115.3846154 | 285.7142857 | | | | 833.3333333 | 1000 | 1000 | 1333.333333 | 2300 | 2200 | 1400 | 2100 | |
| CENTRIC DIATOM >50µm | 80 | 120 | 120 | 285.7142857 | | | | 153.8461538 | | 285.7142857 | 71.42857143 | 166.6666667 | | | | 200 | 100 | | 300 | | |
| Ceratium lineatum | | | | | | | | | | | | | | | | | | | | | |
| Cerataulina pelagica | | | | | | | | | | | | | | | | | | | | | |
| Chaetoceros (Hyalochaetae) | 360 | 500 | 860 | | | 2653.846154 | 3884.615385 | 5500 | | 5642.857143 | 2714.285714 | | 4500 | 2000 | 7833.333333 | | | | | | |
| Chaetoceros (Phaeoceros) | | | | | 76.92307692 | | 115.3846154 | | | | | | | | | | | | | | |
| Chain diatom ribbon | | 80 | | | 230.7692308 | 576.9230769 | 69.23076923 | | | | | | 8833.333333 | 4166.666667 | 4333.333333 | 6166.666667 | 4000 | 31100 | 8700 | 14400 | |
| Corethron criophilum | | | 20 | | | | | | | | | | | | | | | | 100 | | |
| Coscinodiscus >50µm | 40 | 40 | | | | | | | | | | | | | 166.6666667 | 166.6666667 | 100 | | | | |
| Coscinodiscus <20µm | | | | | | | | | | | | | | | | | | | | | |
| Crucigenia | | | | | | | | | | | | | | | | | | | | | |
| Cyanobacteria | | | | | | | 38.46153846 | | | | | | | | | | | | | | |
| Cylindrotheca closterium / Nitzschia longissima | 280 | 380 | 420 | 357.1428571 | 807.6923077 | 807.6923077 | 1192.307692 | 1346.153846 | 1428.571429 | 1928.571429 | 2500 | 5000 | 5500 | 4333.333333 | 2666.666667 | 1300 | 1200 | 700 | 1100 | | |
| Detonula confervacea | | | | | | | | | | | | | | | | | | | | 200 | |
| Dactyliosolen fragilissimus | 200 | 40 | | | | | | | | | | | | | | | | | | | |
| Dictyocha fibula | | | | | | | | 38.46153846 | | | | | | | | | | | | | |
| DINOPHYCEAE <20 µm armoured | | | | | | | | | | | | | | | | | | | | | |
| DINOPHYCEAE 20-50 µm armoured | | | | | | | | | | | | | | | | | | | | | |
| DINOPHYCEAE <20 µm naked | | | | | | | 38.46153846 | | | | | | | | | | 100 | | | | |
| DINOPHYCEAE 20-50 µm naked | | | | | | | | | | 71.42857143 | | | | | | | | | | | |
| Ditylum brightwellii | | 20 | | | | | 38.46153846 | | | 71.42857143 | 71.42857143 | | | | | | | | | | |
| Eucampia cornuta | | | | | | | | | | | | | | | | | | | | | |
| EUGLENOPHYCEAE | 40 | 20 | 140 | | | | 38.46153846 | | | | 142.8571429 | | | | | | | | | | |
| Fragilariopsis | | | | | | | | | | | | | | | | | | | | | |
| Gonyaulax 20-50µm | | | | | | | | 38.46153846 | | | | | | | | | | | | | |
| Guinardia delicatula | 600 | 640 | 640 | 71.42857143 | 115.3846154 | 38.46153846 | 153.8461538 | 115.3846154 | | | 71.42857143 | | | | | | | | | | |
| Guinardia flaccida | | 20 | 40 | | | | | | | 71.42857143 | | | | | | | | | | | |
| Guinardia striata | | | 60 | | | | | 38.46153846 | | | | | | | 166.6666667 | | | | | | |
| Gymnodinium <20µm | | | | | | | | | | | | | 166.6666667 | | 166.6666667 | | | | | | |
| Gymnodinium 20-50µm | | | | | | | | | | | | | | | | | | | 100 | | |
| Gyrodinium <20µm | | | | | | | 38.46153846 | | | | | | | | | | | | | | |
| Gyrodinium 20-50µm | | | | | | | | | | | | | 166.6666667 | 166.6666667 | 166.6666667 | | | | 100 | | |
| Gyrodinium/Pleurosigma | 160 | 20 | 120 | | | | 76.92307692 | | 71.42857143 | | | | | | 666.6666667 | | | 300 | 100 | 300 | 200 |
| Helicotheca tamesis | | | | | | | | | | 214.2857143 | | | 500 | | 666.6666667 | | | | 200 | | |
| Heterocapsa triquetra | | | | | | | | | | | | | | | | | | | | | |
| Heterocapsa | | | | | | | | | | | | | | | | | | | | | |
| Lauderia annulata | | | | | | | | | | | | | | | | | | | | | |
| Leptocylindrus danicus | | | | | | | | | | | | | | | | | | | | | |
| Leptocylindrus minimus | | | | | | | 4923.076923 | | | | | | | | | | | | | | |
| Lithodesmium undulatum | | | | | | | | | | | | | | | | | | | | | |
| Katodinium | | | | | | | | | | | | | | | | | | | | | |
| Melosira | | | | | | | | | | | | | | | | | | | | | |
| Meuniera membranacea | | | | | | | | | | | | | | | | | | | | | |
| Microflagellates | 37482.31966 | 34483.73409 | 25487.97737 | 80319.25642 | 46132.08574 | 40365.57502 | 80731.15004 | 28832.55359 | 10709.23419 | 74964.63932 | 117801.5761 | 112446.959 | 112446.959 | 62470.53277 | 24988.21311 | 89957.56719 | 59971.71146 | 67468.17539 | 104950.495 | | |
| Navicula <20 µm | 120 | 200 | 180 | 71.42857143 | | | | 38.46153846 | 38.46153846 | | | | | | 166.6666667 | | 100 | | 100 | | |
| Navicula 20-50 µm | | | | | | | | | | | | | | | | | | | | | |
| Odontella | | | | | | 38.46153846 | | | | | | | | | | | | | | 400 | |
| Other Diatoms | | | | | | 214.2857143 | | | | | | | | 166.6666667 | | | | | | | |
| Other Dinoflagellates | | | | | | | | | | | | | | | | | | | | | |
| Other Phytoplankton | | | | | | | | | | | | | | | | | | | | 100 | |
| Paralia sulcata | 2020 | 1820 | 1500 | 11857.14286 | 2423.076923 | 846.1538462 | 1153.846154 | 2500 | 5428.571429 | 2928.571429 | 3857.142857 | 6666.666667 | 6333.333333 | 7666.666667 | 7333.333333 | 6200 | 18200 | 11400 | 9400 | | |
| Peridinium | | | | | | | | | | | | | | | | | | | | | |
| Podosira stelligera | | | | | | | | | | | | | | | | | | | | | |
| Proboscia alata | | | | | | | | | | | | | | | | | | | | | |
| Proocentrum micans | | 100 | 20 | | 76.92307692 | 76.92307692 | 115.3846154 | 153.8461538 | 142.8571429 | 142.8571429 | 71.42857143 | | | 500 | | 200 | | | 100 | | |
| Protoperidinium bipes | | | | | | | | | | | | | 166.6666667 | | | | | | | | |
| Protoperidinium 20-50µm | | | | | | | | | | 71.42857143 | | | | | | | | | | | |
| Pseudo-nitzschia <5 µm | | | | | | | | | | | | | | | | | 333.3333333 | | 400 | | |
| Pseudo-nitzschia >5 µm | | | | | | | | | | | | | | | | | | | | | |
| Raphiated pennate <20 µm | 440 | 820 | 900 | 1642.857143 | 807.6923077 | 923.0769231 | 923.0769231 | 538.4615385 | 500 | 1357.142857 | 1214.285714 | 3166.666667 | 2000 | 1833.333333 | 1000 | 1700 | 2200 | 1500 | 1800 | | |
| Raphiated pennate >50 µm | | | | | | | | | | | | | | | | | | | | | |
| Raphiated pennate 20-50 µm | | | 20 | | | | | | | | | | 166.6666667 | | 166.6666667 | | 200 | 300 | 100 | 200 | |
| Rhizosolenia imbricata | 100 | 40 | 40 | 714.2857143 | 653.8461538 | 1000 | 884.6153846 | 730.7692308 | 714.2857143 | 571.4285714 | 214.2857143 | | | | | | | 300 | 100 | | |
| Rhizosolenia pungens | 140 | 100 | 120 | | | | | | | | | | | | | | | | | | |
| Rhizosolenia setigera | 40 | 20 | | 142.8571429 | 115.3846154 | 76.92307692 | 153.8461538 | | | | 71.42857143 | | | | | 100 | 100 | 100 | 100 | | |
| Scenedesmus | | | | | | | | | | | | | | | | | | | | | |
| Scrippsiella | | | | | | | 2883.255359 | | | | | | | | | | | | | 100 | |
| Silicoflagellates | | | 20 | | | | | | | | | | | | | | | | | | |
| Skeletonema | 13540 | 9100 | 7500 | 3285.714286 | 4692.307692 | 9692.307692 | 8769.230769 | 3807.692308 | 857.1428571 | 3571.428571 | 4214.285714 | 8166.666667 | 9333.333333 | 19500 | 15000 | 14100 | 13500 | 4700 | 10300 | | |
| Striatella unipunctata | | | | | | | | | | | | | | | | | | | | | |
| Thalassionema nitzschioides | 580 | 280 | 80 | | | | | 346.1538462 | | | | | | | | 666.6666667 | | | | | |
| Thalassiosira <10 µm | | | | | | | | | | | | | | | 1000 | | | 400 | 1400 | 400 | |
| Thalassiosira 10-50 µm | 320 | 440 | 240 | 285.7142857 | 76.92307692 | 230.7692308 | 961.5384615 | | | | | 500 | | | 1333.333333 | | 400 | 1500 | 1400 | | |
| Thalassiosira >50 µm | | | | | | | 76.92307692 | | | | | | | | | | | | | | |
| Torodinium robustum | | 20 | | | | | | | | | | | | | | | | | | | |
| Phaeocystis | | | | | | | | | | | | | | | | | | | | | |
| Total number of cells per litre | 57462.31966 | 50503.73409 | 39527.97737 | 99819.25642 | 56593.6242 | 61133.44576 | 105608.0731 | 43755.63051 | 19852.09133 | 92321.78218 | 134158.7189 | 148280.2923 | 150113.6256 | 108 | | | | | | | |

| Taxon Detected | Sample Date | 20/08/2014 | | | | 14/09/2014 | | | | 29/10/2014 | | | | 25/11/2014 | | | | 15/12/2014 | | | | |
|---|--------------|------------------|------------------|---------------|-----------------|------------------|------------------|---------------|-----------------|------------------|------------------|---------------|-----------------|------------------|------------------|---------------|-----------------|------------------|------------------|---------------|-----------------|-------------|
| | Site Details | Central Bay Site | La Collette Site | Offshore Site | Bel Croute Site | Central Bay Site | La Collette Site | Offshore Site | Bel Croute Site | Central Bay Site | La Collette Site | Offshore Site | Bel Croute Site | Central Bay Site | La Collette Site | Offshore Site | Bel Croute Site | Central Bay Site | La Collette Site | Offshore Site | Bel Croute Site | |
| | Units | | | | | | | | | | | | | | | | | | | | | |
| Actinoptychus | | | | | | | | | | | | | | | | | | | | | | |
| Alexandrium 20-50 µm | | | | | | | | | | | | | | | | | | | | | | |
| Attheya | | | | | | | | | | | | | | | | | | | | | | |
| Araphiated diatom <20 µm | | | | | | | | | | | | | | | | | | | | | | |
| Araphiated diatom 20-50 µm | | | | | | | | | | | | | | | | | | | | | | |
| Araphiated diatom >50 µm | | | | | | | | | | | | | | | | | | | | | | |
| Asterionellopsis glacialis | | | | | | | | | | | | | | 384.6153846 | | | | | | | | |
| Asterionellopsis kariana | | | | | | | | | | | | | | | | | | | | | | |
| Bacillaria paxillifer | | | | | | | | | | | | | | 615.3846154 | | | | | | | | |
| Bacteriastrium | | | | | | | | | | | | | | | | | | | | | | |
| Bellerochea | | | | | | | | | | | | | | 230.7692308 | | | | | | | | |
| Biddulphia alternans | | | | | | | | | | | | | | 38.46153846 | | | | | | | | |
| CENTRIC DIATOM <20 µm | 3928.571429 | 2500 | 1285.714286 | 4357.142857 | 200 | 71.42857143 | | | | | | | | | | | | | | 76.92307692 | 38.46153846 | 192.3076923 |
| CENTRIC DIATOM 20-50 µm | | 875 | 1285.714286 | 214.2857143 | 100 | 71.42857143 | 285.7142857 | | | | | | | | | | | | | 76.92307692 | | |
| CENTRIC DIATOM >50µm | | | | 142.8571429 | | | | | | | | | | | | | | | | | | |
| Ceratium lineatum | | | | | | 71.42857143 | | | | | | | | | | | | | | | | |
| Cerataulina pelagica | | | 71.42857143 | | | | 3928.571429 | 142.8571429 | | | | | | | | | | | | | | |
| Chaetoceros (Hyalochaetae) | | | 357.1428571 | 1000 | | 3071.428571 | 64255.40513 | 4857.142857 | 1615.384615 | 1769.230769 | 615.3846154 | | 1769.230769 | 230.7692308 | 2653.846154 | 269.2307692 | 1692.307692 | 1576.923077 | 461.5384615 | 2000 | | |
| Chaetoceros (Phaeoceros) | | | | | | | | | | | | | | | | | | | | | | |
| Chain diatom ribbon | | | | | | | | | | | | | | | | | | | | | | |
| Corethron criophilum | | | | | | | | | | | | | | | | | | | | 38.46153846 | | 38.46153846 |
| Coscinodiscus >50um | | | | | | | | | | | | | | | | | | | | | | |
| Coscinodiscus <20um | | | | | | | | | | | | | | 38.46153846 | | | | | | | | |
| Crucigenia | | | | | | | | | | | | | | | | | | | | | | |
| Cyanobacteria | | | | | | | | | | | | | | | | | | | | | | |
| Cylindrotheca closterium / Nitzschia longissima | 500 | | | 5354.617094 | | | | | | | | | 38.46153846 | 192.3076923 | 38.46153846 | 115.3846154 | 115.3846154 | 423.0769231 | 769.2307692 | 153.8461538 | 192.3076923 | |
| Detonula confervacea | | | | | | | | | | | | | | | | | | | | | | |
| Dactylosolen fragilissimus | 2500 | 250 | 2571.428571 | 2357.142857 | | 428.5714286 | 428.5714286 | 3428.571429 | | | | | | | | | | | | | | |
| Dictyocha fibula | | | | | | | | | | | | | 38.46153846 | | | | | | | | | |
| DINOPHYCEAE <20 µm armoured | | | | | | | | | | | | | | | | | | | | | | |
| DINOPHYCEAE 20-50 µm armoured | | | | | | | | | | | | | | | | | | | | | | |
| DINOPHYCEAE <20 µm naked | | | | | | | | | | | | | | | | | | | | | | |
| DINOPHYCEAE 20-50 µm naked | | | | | | | | | | | | | | | | | | | | | | |
| Ditylum brightwellii | | | | | | | | 142.8571429 | | | | | | | | | | | | | | |
| Eucampia cornuta | | | | | | | | | | | | | | | | | | | | | | |
| EUGLENOPHYCEAE | | | | 500 | | 71.42857143 | | | | | | | | | | | | | | | | |
| Fragilariopsis | | | | | | | | | | | | | | | | | | | | | | |
| Gonyaulax 20-50um | | | | | | | | | | | | | | | | | | | | | | |
| Guinardia delicatula | 7785.714286 | 750 | 9071.428571 | 11571.42857 | 3200 | 97571.42857 | 107285.7143 | 102428.5714 | | | | | 76.92307692 | | | | | | | 76.92307692 | | |
| Guinardia flaccida | 2000 | 1250 | 2714.285714 | 1928.571429 | 3400 | 5571.428571 | 8071.428571 | 4000 | | | | | | | | | | | | | | |
| Guinardia striata | 71.42857143 | | | | 100 | 428.5714286 | 428.5714286 | 142.8571429 | 153.8461538 | | | | | | | | | | | | | |
| Gymnodinium <20um | | | | | 7496.463932 | | | | | | | | | | | | | | | | | |
| Gymnodinium 20-50um | | | 357.1428571 | | | 71.42857143 | 71.42857143 | | | | | | | | | | | | | | | |
| Gyrodinium <20um | | | | | | | | | | | | | | | | | | | | | | |
| Gyrodinium 20-50um | | | | | | | | | | | | | | | | | | | | | | |
| Gyrosigma/Pleurosigma | 500 | 625 | 428.5714286 | 428.5714286 | 300 | 214.2857143 | 357.1428571 | 214.2857143 | | 38.46153846 | | | 38.46153846 | | | | | | 38.46153846 | | 38.46153846 | |
| Helicotheca tamesis | | | | | | | | | | | | | | | | | | | | | | |
| Heterocapsa triquetra | | | | | 22489.3918 | 142.8571429 | | | 500 | 8009.042663 | | | | 9610.851195 | | | | | | | | |
| Heterocapsa | | | 357.1428571 | | | | | | | | | | | | | | | | | | | |
| Lauderia annulata | 214.2857143 | | | | | | | | | | | | | | | | | | | | | |
| Leptocylindrus danicus | 1071.428571 | 1750 | 500 | 2357.142857 | 3500 | 6571.428571 | 3928.571429 | 7285.714286 | | | | | 153.8461538 | | | | | | | | | |
| Leptocylindrus minimus | | | | | | | | | | | | | | | | | | | | | | |
| Lithodesmium undulatum | | | | | | | | | | | | | | | | | | | | | | |
| Katodinium | | | | | | | | | | | | | | | | | | | | | | |
| Melosira | | | | | | | | | | | | | | | | | | | | | | |
| Meuniera membranacea | | | | | | | | | | | | | | | | | | | | | | |
| Microflagellates | 107092.3419 | 384193.7765 | 91028.4906 | 64255.40513 | 202404.5262 | 214184.6838 | 230248.5351 | 267730.8547 | 232262.2372 | 81091.55696 | 72081.38396 | 96108.51195 | 384434.0478 | 269103.8335 | 67275.95837 | 259492.9823 | | | 153172.9409 | | 90101.72995 | |
| Navicula <20 µm | 1000 | | 1285.714286 | 500 | | | 71.42857143 | 142.8571429 | 346.1538462 | | | | 153.8461538 | 76.92307692 | 115.3846154 | 115.3846154 | | | 538.4615385 | | | |
| Navicula 20-50 µm | | | 142.8571429 | | | | | | | | | | | | | | | | | 38.46153846 | | 269.2307692 |
| Odontella | | | | | | | | | | | | | | | | | | | | 538.4615385 | | |
| Other Diatoms | | 875 | 142.8571429 | 500 | | 142.8571429 | | | | | | | | | | | | | | | | |
| Other Dinoflagellates | | | | | | | | | | | | | | | | | | | | | | |
| Other Phytoplankton | | | | | | | | | | | | | | | | | | | | | | |
| Paralia sulcata | 2642.857143 | 7750 | 2285.714286 | 1357.142857 | 2800 | 285.7142857 | 9142.857143 | 1500 | 1461.538462 | 1423.076923 | 230.7692308 | 692.3076923 | 884.6153846 | 576.9230769 | 115.3846154 | 730.7692308 | 346.1538462 | | | | 1384.615385 | |
| Peridinium | | | | | | | | | | | | | | | | | | | | | | |
| Podosira stelligera | | | | | | | | | | | | | | | | | | | | | | |
| Proboscia alata | | | | | | | | | | | | | | | | | | | | | | |
| Proocentrum micans | 142.8571429 | | | 71.42857143 | | 71.42857143 | 357.1428571 | 71.42857143 | 76.92307692 | | | | 76.92307692 | | | | | | | 76.92307692 | | |
| Protoperidinium bipes | | | | | 1400 | 71.42857143 | | | | | | | | | | | | | | | | |
| Protoperidinium 20-50um | | | | 71.42857143 | 300 | 1785.714286 | 928.5714286 | 857.1428571 | | | | | | | | | | | | | | |
| Pseudo-nitzschia <5 µm | | | | | | | | | | | | | | 192.3076923 | 76.92307692 | | | | | 307.6923077 | | |
| Pseudo-nitzschia >5 µm | | | | 1000 | 600 | 142.8571429 | 285.7142857 | 214.2857143 | | | | | | | | | | | | | 76.92307692 | |
| Raphiated pennate <20 µm | 1000 | 1750 | 357.1428571 | 1928.571429 | | | | | | | | | | | | | | | | | | |
| Raphiated pennate >50 µm | | | | | | | | | | | | | | | | | | | | | | |
| Raphiated pennate 20-50 µm | | 375 | 214.2857143 | 214.2857143 | 100 | 142.8571429 | 142.8571429 | 1428.571429 | | | | | | | | | | | | | | |
| Rhizosolenia imbricata | 714.2857143 | 250 | 928.5714286 | 1571.428571 | 4100 | 7142.857143 | 14071.42857 | 6642.857143 | 115.3846154 | 115.3846154 | 153.8461538 | 153.8461538 | 115.3846154 | | | | | 38.46153846 | 38.46153846 | 76.92307692 | | |
| Rhizosolenia pungens | | | | | | | | | | | | | | | | | | | | | | |
| Rhizosolenia setigera | | | 142.8571429 | 71.42857143 | 200 | 785.7142857 | 571.4285714 | 285.7142857 | 38.46153846 | 38.46153846 | 76.92307692 | 38.46153846 | 153.8461538 | 115.3846154 | 384.6153846 | 230.7692308 | 76.92307692 | 38.46153846 | 76.92307692 | 76.92307692 | | |
| Scenedesmus | | | | | | | | | | | | | | | | | | | | | | |
| Scrippsiella | | | | | 1400 | 285.7142857 | | 71.42857143 | | | | | | | | | | | | | | |
| Silicoflagellates | | | | | | | | | | | | | | | | | | | | | | |
| Skeletonema | 16063.85128 | | 7500 | 5857.142857 | | | | | 2928.571429 | 3423.076923 | 4192.307692 | 7115.384615 | 3269.230769 | 1000 | 1538.461538 | 269.2307692 | 3192.307692 | 1230.769231 | 384.6153846 | 1269.230769 | 1692.307692 | |
| Striatella unipunctata | | | | | | | | | | | | | 38.46153846 | | | | | | | | | |
| Thalassionema nitzschioides | | | | | | 571.4285714 | 857.1428571 | 285.7142857 | 500 | 730.7692308 | 307.6923077 | 153.8461538 | 538.4615385 | 346.1538462 | 692.3076923 | 153.8461538 | 153.8461538 | | | 115.3846154 | 346.1538462 | |
| Thalassiosira <10 µm | | | | | | | | | | | | | | | | | | | | | | |

| Taxon Detected | Sample Date /2015 | | Individual Taxa & Phaeocystis Bloom Frequency | | |
|---|-------------------|---------------|--|---|---|
| | Site Details | Offshore Site | Bel Croute Site | No. of samples with > 250,000 cells per Litre | No. of samples with > 10 ⁶ cells per Litre |
| | Units | | | | |
| Actinoptychus | | | 71.42857143 | 0 | |
| Alexandrium 20-50 µm | | | | 0 | |
| Attheya | | | | 0 | |
| Araphiated diatom <20 µm | | | | 0 | |
| Araphiated diatom 20-50 µm | | | | 0 | |
| Araphiated diatom >50 µm | | | | 0 | |
| Asterionellopsis glacialis | | | | 0 | |
| Asterionellopsis kariana | | | | 0 | |
| Bacillaria paxillifer | | | | 0 | |
| Bacteriolum | | | | 0 | |
| Bellerochea | | | | 0 | |
| Biddulphia alternans | | | | 0 | |
| CENTRIC DIATOM <20 µm | | | | 0 | |
| CENTRIC DIATOM 20-50 µm | | | | 0 | |
| CENTRIC DIATOM >50µm | | | | 0 | |
| Ceratium lineatum | | | | 0 | |
| Cerataulina pelagica | | | | 0 | |
| Chaetoceros (Hyalochaetae) | | | | 0 | |
| Chaetoceros (Phaeoceros) | 115.3846154 | 142.8571429 | | 0 | |
| Chain diatom ribbon | | | | 0 | |
| Corethron criophilum | | | | 0 | |
| Coscinodiscus >50µm | | | 71.42857143 | 0 | |
| Coscinodiscus <20µm | | | 71.42857143 | 0 | |
| Crucigenia | | | | 0 | |
| Cyanobacteria | 346.1538462 | 1142.857143 | | 0 | |
| Cylindrotheca closterium / Nitzschia longissima | | | 1500 | 0 | |
| Detonula confervacea | | | | 0 | |
| Dactylosolen fragilissimus | 153.8461538 | 3571.428571 | | 1 | |
| Dictyocha fibula | | | | 0 | |
| DINOPHYCEAE <20 µm armoured | | | | 0 | |
| DINOPHYCEAE 20-50 µm armoured | | | | 0 | |
| DINOPHYCEAE <20 µm naked | | | | 0 | |
| DINOPHYCEAE 20-50 µm naked | | | | 0 | |
| Ditylum brightwellii | | | | 0 | |
| Eucampia cornuta | | | | 0 | |
| EUGLENOPHYCEAE | 38.46153846 | 71.42857143 | | 0 | |
| Fragilariopsis | 346.1538462 | | | 1 | |
| Gonyaulax 20-50µm | | | | 0 | |
| Guinardia delicatula | 23730.76923 | 47142.85714 | | 0 | |
| Guinardia flaccida | 615.3846154 | 428.5714286 | | 0 | |
| Guinardia striata | 730.7692308 | 285.7142857 | | 0 | |
| Gymnodinium <20µm | | | | 0 | |
| Gymnodinium 20-50µm | | | | 0 | |
| Gyrodinium <20µm | | | | 0 | |
| Gyrodinium 20-50µm | 38.46153846 | 71.42857143 | | 0 | |
| Gyrosigma/Pleurosigma | 307.6923077 | 142.8571429 | | 0 | |
| Helicotheca tamesis | | | | 0 | |
| Heterocapsa triquetra | | | | 0 | |
| Heterocapsa | | | | 0 | |
| Lauderia annulata | | | | 0 | |
| Leptocylindrus danicus | 269.2307692 | 1500 | | 0 | |
| Leptocylindrus minimus | | | | 0 | |
| Lithodesmium undulatum | | | | 0 | |
| Katodinium | | | | 0 | |
| Melosira | | | | 0 | |
| Meuniera membranacea | | | | 0 | |
| Microflagellates | 112446.959 | 146035.0117 | | 6 | |
| Navicula <20 µm | 1346.153846 | 1000 | | 0 | |
| Navicula 20-50 µm | | | | 0 | |
| Odontella | | | | 0 | |
| Other Diatoms | | | | 0 | |
| Other Dinoflagellates | | | | 0 | |
| Other Phytoplankton | | | | 0 | |
| Paralia sulcata | 1230.769231 | | | 0 | |
| Peridinium | | | | 0 | |
| Podocapsa stelligera | | | | 0 | |
| Probotryx alata | | | | 0 | |
| Proocentrum micans | | 142.8571429 | | 0 | |
| Protoperidinium bipes | | | | 0 | |
| Protoperidinium 20-50µm | 38.46153846 | | | 0 | |
| Pseudo-nitzschia <5 µm | | | | 0 | |
| Pseudo-nitzschia >5 µm | | | | 0 | |
| Raphiated pennate <20 µm | 1346.153846 | 6071.428571 | | 0 | |
| Raphiated pennate >50 µm | | | | 0 | |
| Raphiated pennate 20-50 µm | | | 71.42857143 | 0 | |
| Rhizosolenia imbricata | 884.6153846 | 571.4285714 | | 0 | |
| Rhizosolenia pungens | | | | 0 | |
| Rhizosolenia setigera | 269.2307692 | | | 1 | |
| Scenedesmus | | | | 0 | |
| Scrippsiella | | | | 0 | |
| Silicoflagellates | | | | 0 | |
| Skeletonema | 1923.076923 | 1428.571429 | | 5 | |
| Striatella unipunctata | | | | 0 | |
| Thalassionema nitzschioides | 76.92307692 | 642.8571429 | | 0 | |
| Thalassiosira <10 µm | 538.4615385 | | | 0 | |
| Thalassiosira 10-50 µm | 38.46153846 | | | 0 | |
| Thalassiosira >50 µm | | | | 0 | |
| Torodinium robustum | | | | 0 | |
| Phaeocystis | | | | 0 | 0 |
| | | | with > 250,000 cells per Litre | 14 | |
| | | | les collected | 136 | 136 |
| | | | which have > 250,000 cells per re | 0.1029412 | |
| | | | ed which have > 10 ⁶ cells of is per Litre | | 0 |
| Total number of cells per Litre | 146831.5744 | 212177.8688 | Fraction of samples with > 1,000,000 total cells per Litre | | 0.00735 |

| | | |
|---------------------------------|-----------------|------------------------------------|
| Chlorophyll Bloom Frequency | 0 | *See 'Phytoplankton Biomass' Sheet |
| Individual Taxa Bloom Frequency | 0.102941 | |
| Total Taxa Bloom Frequency | 0.007353 | |
| Phaeocystis Bloom Frequency | 0 | |
| Combined Bloom Frequency | 0.027574 | |
| EQR_{BF} | 1.110805 | |

| Sampling Date | Chlorophyll a ($\mu\text{g l}^{-1}$) | | | | |
|------------------------------------|--|-----------|------------------|---------------|-----------------|
| | Central Bay Site | Port Site | La Collette Site | Offshore Site | Bel Croute Site |
| 27 April 2012 | 1.120 | 1.036 | 0.784 | | |
| 22 May 2012 | 0.448 | 0.952 | 0.840 | | |
| 20 June 2012 | 0.420 | 0.588 | 0.532 | | |
| 10 July 2012 | 0.868 | 0.840 | 1.148 | | |
| 21 August 2012 | 0.196 | 1.120 | 0.056 | | |
| 4 September 2012 | 0.336 | 0.056 | 0.196 | | |
| 19 October 2012 | 0.476 | 0.560 | 0.672 | | |
| 7 November 2012 | 0.336 | 0.476 | 0.420 | | |
| 7 November 2012 | 0.420 | 1.288 | 0.812 | | |
| 11 December 2012 | 0.252 | 0.056 | 0.140 | | |
| 2 January 2013 | 1.260 | 0.000 | 0.000 | | |
| 15 February 2013 | 0.112 | 0.112 | 0.252 | | |
| 4 March 2013 | 0.588 | 0.224 | 0.336 | | |
| 1 September 2013 | 0.000 | | 0.168 | 0.084 | 0.308 |
| 1 October 2013 | 0.000 | | 0.392 | 0.056 | 0.112 |
| 19 November 2013 | 1.540 | | 0.000 | 0.140 | 0.000 |
| 4 December 2013 H | 0.000 | | 0.056 | 0.196 | 0.000 |
| 4 December 2013 E | 0.084 | | 0.056 | 0.196 | 0.000 |
| 22 January 2014 | 0.000 | | 0.000 | 0.000 | 0.000 |
| 19 February 2014 | 0.616 | | 0.000 | 0.224 | 0.224 |
| 17 March 2014 | 2.044 | | 0.588 | 0.924 | 0.560 |
| 15 April 2014 | 1.736 | | 0.840 | 1.848 | 4.592 |
| 14 May 2014 | 1.820 | | 2.044 | 0.756 | 1.904 |
| 16 June 2014 | 2.492 | | 2.548 | 2.548 | 2.772 |
| 15 July 2014 | 0.924 | | 1.428 | 0.644 | 1.120 |
| 28 August 2014 | 0.728 | | 3.248 | 0.336 | 1.008 |
| 14 September 2014 | 2.660 | | 1.764 | 3.164 | 1.260 |
| 29 October 2014 | 0.392 | | 0.560 | 0.028 | 0.280 |
| 25 November 2014 | 0.896 | | 0.532 | 0.308 | 0.308 |
| 15 December 2014 | 0.168 | | 0.000 | 0.000 | 0.000 |
| 22 January 2015 | 0.000 | | 0.112 | 0.168 | 0.448 |
| 27 February 2015 | 2.240 | | 1.008 | 0.420 | 0.336 |
| March 2015 | 0.000 | | 0.000 | 2.800 | 0.028 |
| April 2015 | 0.168 | | 0.308 | 0.644 | 0.056 |
| May 2015 | 0.000 | | 0.560 | 0.784 | 0.952 |
| June 2015 | 0.448 | | 0.476 | 0.000 | 1.120 |
| July 2015 | 1.092 | | 0.336 | 0.756 | 0.000 |
| August 2015 | 0.812 | | 0.252 | 0.084 | 0.000 |
| September 2015 | 1.064 | | 0.672 | 0.532 | 1.176 |
| No. of samples | 39 | 13 | 39 | 26 | 26 |
| Fraction > 10 $\mu\text{g l}^{-1}$ | 0 | 0 | 0 | 0 | 0 |

| Sampling Date | Chlorophyll a ($\mu\text{g l}^{-1}$) - Growing Season | | | | |
|-------------------------|---|-------------|------------------|---------------|-----------------|
| | Central Bay Site | Port Site | La Collette Site | Offshore Site | Bel Croute Site |
| 27 April 2012 | 1.120 | 1.036 | 0.784 | | |
| 22 May 2012 | 0.448 | 0.952 | 0.840 | | |
| 20 June 2012 | 0.420 | 0.588 | 0.532 | | |
| 10 July 2012 | 0.868 | 0.840 | 1.148 | | |
| 21 August 2012 | 0.196 | 1.120 | 0.056 | | |
| 4 September 2012 | 0.336 | 0.056 | 0.196 | | |
| 19 October 2012 | 0.476 | 0.560 | 0.672 | | |
| 4 March 2013 | 0.588 | 0.224 | 0.336 | | |
| 1 September 2013 | 0.000 | | 0.168 | 0.084 | 0.308 |
| 1 October 2013 | 0.000 | | 0.392 | 0.056 | 0.112 |
| 17 March 2014 | 2.044 | | 0.588 | 0.924 | 0.560 |
| 15 April 2014 | 1.736 | | 0.840 | 1.848 | 4.592 |
| 14 May 2014 | 1.820 | | 2.044 | 0.756 | 1.904 |
| 16 June 2014 | 2.492 | | 2.548 | 2.548 | 2.772 |
| 15 July 2014 | 0.924 | | 1.428 | 0.644 | 1.120 |
| 28 August 2014 | 0.728 | | 3.248 | 0.336 | 1.008 |
| 14 September 2014 | 2.660 | | 1.764 | 3.164 | 1.260 |
| 29 October 2014 | 0.392 | | 0.560 | 0.028 | 0.280 |
| March 2015 | 0.000 | | 0.000 | 2.800 | 0.028 |
| April 2015 | 0.168 | | 0.308 | 0.644 | 0.056 |
| May 2015 | 0.000 | | 0.560 | 0.784 | 0.952 |
| June 2015 | 0.448 | | 0.476 | 0.000 | 1.120 |
| July 2015 | 1.092 | | 0.336 | 0.756 | 0.000 |
| August 2015 | 0.812 | | 0.252 | 0.084 | 0.000 |
| September 2015 | 1.064 | | 0.672 | 0.532 | 1.176 |
| 90th Percentile | 1.9544 | 1.0612 | 1.9320 | 2.6488 | 2.2512 |
| EQR_{PB} | 3.41 | 6.29 | 3.45 | 2.52 | 2.96 |



Freedom of Information (FOI) Request
Reference: FOI-782208483

| Metric | Site | Calculated value | Normalised value | Mean value | WFD Status |
|-------------------|-------------|------------------|------------------|------------|------------|
| EQR _{PB} | Central Bay | 3.41 | 1 | 1 | HIGH |
| | Port | 6.29 | 1 | | |
| | La Collette | 3.45 | 1 | | |
| | Off Shore | 2.52 | 1 | | |
| | Bel Croute | 2.96 | 1 | | |
| EQR _{BF} | Central Bay | 1.11 | 1 | 1 | HIGH |
| | Port | 1.11 | 1 | | |
| | La Collette | 1.11 | 1 | | |
| | Off Shore | 1.11 | 1 | | |
| | Bel Croute | 1.11 | 1 | | |
| EQR _{SS} | Central Bay | 0.37 | 0.45 | 0.54 | MODERATE |
| | Port | 0.52 | 0.65 | | |
| | La Collette | 0.47 | 0.61 | | |
| | Off Shore | 0.38 | 0.49 | | |
| | Bel Croute | 0.40 | 0.52 | | |

| Site | Metric | Calculated value | Normalised value | Mean value | WFD Status |
|-------------|-------------------|------------------|------------------|------------|------------|
| Central Bay | EQR _{PB} | 3.41 | 1 | 0.82 | HIGH |
| | EQR _{BF} | 1.11 | 1 | | |
| | EQR _{SS} | 0.37 | 0.45 | | |
| Port | EQR _{PB} | 6.29 | 1 | 0.88 | HIGH |
| | EQR _{BF} | 1.11 | 1 | | |
| | EQR _{SS} | 0.52 | 0.65 | | |
| La Collette | EQR _{PB} | 3.45 | 1 | 0.87 | HIGH |
| | EQR _{BF} | 1.11 | 1 | | |
| | EQR _{SS} | 0.47 | 0.61 | | |
| Off Shore | EQR _{PB} | 2.52 | 1 | 0.83 | HIGH |
| | EQR _{BF} | 1.11 | 1 | | |
| | EQR _{SS} | 0.38 | 0.49 | | |
| Bel Croute | EQR _{PB} | 2.96 | 1 | 0.84 | HIGH |
| | EQR _{BF} | 1.11 | 1 | | |
| | EQR _{SS} | 0.40 | 0.52 | | |

| | | |
|---|-------------|-------------|
| Overall WFD Status for Phytoplankton | 0.85 | HIGH |
|---|-------------|-------------|

| Nucella lapillus: St. Aubin's Bay, Jersey | | | | | |
|--|--------------|-----|-------------------|--------|-----------|
| Sample collected 20 August and 27 September 2012 | | | | | |
| Specimen | Shell Length | Sex | Penis Length (mm) | | VDS Stage |
| | | | male | female | |
| 1 | 27.4 | F | | 0.0 | 0 |
| 2 | 32.6 | F | | 1.0 | 3 |
| 3 | 28.8 | M | 3.0 | | |
| 4 | 25.8 | F | | 0.0 | 0 |
| 5 | 30 | F | | 1.0 | 4 |
| 6 | 26.4 | F | | 0.0 | 0 |
| 7 | 23.4 | M | 3.4 | | |
| 8 | 29.2 | F | | 0.6 | 3 |
| 9 | 24.5 | M | 3.0 | | |
| 10 | 30.8 | F | | 1.0 | 3 |
| 11 | 26.5 | F | | 0.0 | 0 |
| 12 | 28.9 | M | 3.4 | | |
| 13 | 29 | M | 4.0 | | |
| 14 | 31.6 | M | 3.1 | | |
| 15 | 25.8 | F | | 0.0 | 0 |
| 16 | 30 | M | 3.3 | | |
| 17 | 26.4 | F | | 0.0 | 0 |
| 18 | 28.2 | M | 3.2 | | |
| 19 | 27.1 | F | | 0.5 | 3 |
| 20 | 26.5 | F | | 0.0 | 0 |
| 21 | 27.1 | M | 3.2 | | |
| 22 | 25.3 | M | 3.8 | | |
| 23 | 26.6 | F | | 0.0 | 0 |
| 24 | 26.7 | M | 3.2 | | |
| 25 | 27.6 | M | 3.3 | | |
| 26 | 27 | F | | 0.0 | 0 |
| 27 | 30.9 | M | 2.5 | | |
| 28 | 25.5 | M | 2.8 | | |
| 29 | 30.2 | F | | 0.0 | 2 |
| 30 | 24.8 | M | 3.2 | | |
| 31 | 25.9 | F | | 0.0 | 0 |
| 32 | 26.6 | F | | 0.0 | 0 |
| 33 | 27 | M | 3.2 | | |
| 34 | 27.6 | F | | 0.0 | 0 |
| 35 | 27.2 | F | | 0.0 | 0 |
| 36 | 25.1 | F | | 0.0 | 0 |
| 37 | 27.4 | F | | 0.5 | 3 |
| 38 | 27 | M | 3.2 | | |
| 39 | 24.6 | M | 3.4 | | |
| 40 | 27.5 | M | 3.2 | | |
| 41 | 26.1 | M | 3.3 | | |
| 42 | 25.5 | M | 3.3 | | |
| 43 | 26.1 | F | | 0.0 | 0 |
| 44 | 30 | F | | 0.0 | 0 |
| 45 | 27.9 | M | 3.0 | | |
| 46 | 25.7 | M | 3.2 | | |
| 47 | 25.7 | M | 3.2 | | |

| | | | | | | | | | |
|----|------|---|-----|-----|---|--|--|--|--|
| 48 | 27.1 | M | 3.0 | | | | | | |
| 49 | 23.2 | F | | 0.0 | 0 | | | | |
| 50 | 25.3 | M | 3.0 | | | | | | |
| 51 | 26.3 | M | 3.0 | | | | | | |
| 52 | 25.8 | F | | 1.0 | 3 | | | | |
| 53 | 26.3 | M | 3.1 | | | | | | |
| 54 | 26.1 | F | | 0.0 | 0 | | | | |
| 55 | 26 | M | 3.0 | | | | | | |
| 56 | 37.7 | F | | 0.0 | 0 | | | | |
| 57 | 26 | M | 3.0 | | | | | | |
| 58 | 26.2 | F | | 0.5 | 3 | | | | |
| 59 | 28.6 | M | 3.4 | | | | | | |
| 60 | 25.5 | F | | 0.0 | 0 | | | | |
| 61 | 23.2 | F | | 0.0 | 0 | | | | |
| 62 | 26.7 | M | 3.3 | | | | | | |
| 63 | 23.9 | M | 3.0 | | | | | | |
| 64 | 25.5 | F | | 0.0 | 0 | | | | |
| 65 | 25.8 | F | | 1.2 | 3 | | | | |
| 66 | 26.4 | F | | 0.0 | 0 | | | | |
| 67 | 27.5 | M | 3.1 | | | | | | |
| 68 | 25.1 | M | 3.3 | | | | | | |
| 69 | 23.5 | F | | 0.0 | 0 | | | | |
| 70 | 24.5 | F | | 0.0 | 0 | | | | |
| 71 | 26.6 | M | 3.2 | | | | | | |
| 72 | 30.6 | M | 3.4 | | | | | | |
| 73 | 25.7 | M | 3.5 | | | | | | |
| 74 | 26.5 | M | 3.2 | | | | | | |
| 75 | 24.2 | M | 3.3 | | | | | | |
| 76 | 25.6 | M | 3.8 | | | | | | |
| 77 | 26.5 | M | 3.0 | | | | | | |
| 78 | 23.7 | M | 2.4 | | | | | | |
| 79 | 22.2 | M | 2.7 | | | | | | |
| 80 | 29.8 | F | | 0.0 | 0 | | | | |
| 81 | 26.6 | F | | 0.0 | 0 | | | | |
| 82 | 24.8 | F | | 0.0 | 0 | | | | |
| 83 | 25.1 | M | 3.0 | | | | | | |
| 84 | 25.2 | M | 3.0 | | | | | | |
| 85 | 27 | M | 2.8 | | | | | | |
| 86 | 21.5 | M | 2.3 | | | | | | |
| 87 | 27.1 | M | 3.0 | | | | | | |
| 88 | 25.2 | F | | 0.0 | 0 | | | | |
| 89 | 27.8 | F | | 0.0 | 0 | | | | |
| 90 | 22.9 | M | 2.3 | | | | | | |
| 91 | 24.9 | M | 2.6 | | | | | | |
| 92 | 25.2 | M | 2.8 | | | | | | |
| 93 | 23.5 | M | 2.5 | | | | | | |
| 94 | 24.8 | F | | 0.0 | 0 | | | | |
| 95 | 26.9 | F | | 0.0 | 2 | | | | |
| 96 | 29.2 | M | 2.2 | | | | | | |
| 97 | 29.4 | F | | 0 | 0 | | | | |
| 98 | 23.3 | F | | 0 | 0 | | | | |

Freedom of Information (FOI) Request
Reference: FOI-782208483

| Date | Bed | Quadrat (m ²) | No. of Photos | No. of Species | No. of Expected Species | % Cover of Quadrat | Total Extent of Seagrass Bed | | | |
|--------------|------|---------------------------|---------------|----------------|-------------------------|--------------------|------------------------------|-----------------|----------|-----------------|
| | | | | | | | 2011 | | 2012 | |
| | | | | | | | Hectares | km ² | Hectares | km ² |
| 28/09/2012 | East | 1 | 4 | 1 | 1 | 10 | | | | |
| | | 2 | 4 | 1 | 1 | 6.5 | | | | |
| | | 3 | 4 | 1 | 1 | 5 | | | | |
| | | 4 | 4 | 1 | 1 | 5 | | | | |
| | | 5 | 4 | 1 | 1 | 19 | | | | |
| | | 6 | 4 | 1 | 1 | 32 | | | | |
| | | 7 | 4 | 1 | 1 | 32 | | | | |
| | | 8 | 4 | 1 | 1 | 40 | | | | |
| | | 9 | 4 | 1 | 1 | 5 | | | | |
| | | 10 | 4 | 1 | 1 | 50 | | | | |
| | | 11 | 4 | 1 | 1 | 10 | | | | |
| | | 12 | 4 | 1 | 1 | 20 | | | | |
| | | 13 | 4 | 1 | 1 | 50 | | | | |
| | | 14 | 4 | 1 | 1 | 30 | | | | |
| | | 15 | 4 | 1 | 1 | 24 | | | | |
| Total | | | | | | 26.7 | 0.267 | 29 | 0.29 | |
| Mean | | | | | | | | | | |

| Taxonomic Composition | | East Bed | West Bed |
|-----------------------|--|----------|----------|
| Shoot Loss (Note 1) | | -0.83 | -21.67 |
| Extent Loss | | -3.81 | -32.25 |

Note 1 Estimated value of 20% used for 2011 Shoot Cover in the absence of actual data. This estimate has been based on slight increase in extent of beds between 2011 and 2012.

| Metric | Bed | Calculated Value | Normalised Value | Mean | Status |
|--------|------|------------------|------------------|------|--------|
| EQRcd | East | 1.33 | 1 | 1 | HIGH |
| | West | 1.33 | 1 | 1 | HIGH |
| EQRsd | East | 1.22 | 1 | 1 | HIGH |
| | West | 1.35 | 1 | 1 | HIGH |
| EQRrel | East | 1.21 | 1 | 1 | HIGH |
| | West | 1.11 | 1 | 1 | HIGH |

| | | |
|---|---|------|
| Overall 2012 WFD Status for Seagrass | 1 | HIGH |
|---|---|------|

| Date | Bed | Quadrat (m ²) | No. of Photos | No. of Species | No. of Expected Species | % Cover of Quadrat | Total Extent of Seagrass Bed | | | |
|--------------|------|---------------------------|---------------|----------------|-------------------------|--------------------|------------------------------|-----------------|----------|-----------------|
| | | | | | | | 2012 | | 2013 | |
| | | | | | | | Hectares | km ² | Hectares | km ² |
| 02/10/2013 | West | 1 | 4 | 1 | 1 | 5 | | | | |
| | | 2 | 4 | 1 | 1 | 15 | | | | |
| | | 3 | 4 | 1 | 1 | 2 | | | | |
| | | 4 | 4 | 1 | 1 | 1 | | | | |
| | | 5 | 4 | 1 | 1 | 20 | | | | |
| | | 6 | 4 | 1 | 1 | 1 | | | | |
| | | 7 | 4 | 1 | 1 | 5 | | | | |
| | | 8 | 4 | 1 | 1 | 5 | | | | |
| | | 9 | 4 | 1 | 1 | 5 | | | | |
| | | 10 | 4 | 1 | 1 | 40 | | | | |
| | | 11 | 4 | 1 | 1 | 35 | | | | |
| | | 12 | 4 | 1 | 1 | 40 | | | | |
| | | 13 | 4 | 1 | 1 | 50 | | | | |
| | | 14 | 4 | 1 | 1 | 50 | | | | |
| | | 15 | 4 | 1 | 1 | 15 | | | | |
| | | 16 | 4 | 1 | 1 | 50 | | | | |
| | | 17 | 4 | 1 | 1 | 40 | | | | |
| | | 18 | 4 | 1 | 1 | 20 | | | | |
| Total | | | | | | 81.4 | 0.814 | 80.9 | 0.809 | |
| Mean | | | | | | | | | | |

| Taxonomic Composition | | East Bed | West Bed |
|-----------------------|--|----------|----------|
| Shoot Loss | | 81.31 | 13.47 |
| Extent Loss | | 19.31 | 0.61 |

| Metric | Bed | Calculated Value | Normalised Value | Mean | Status |
|--------|------|------------------|------------------|------|----------|
| EQRcd | East | 1.33 | 1 | 1 | HIGH |
| | West | 1.33 | 1 | 1 | HIGH |
| EQRsd | East | 0.19 | 0.11 | 0.43 | MODERATE |
| | West | 0.96 | 0.74 | 0.85 | HIGH |
| EQRrel | East | 0.90 | 0.7 | 0.85 | HIGH |
| | West | 1.10 | 1 | 1 | HIGH |

| | | |
|---|------|------|
| Overall 2013 WFD Status for Seagrass | 0.76 | GOOD |
|---|------|------|

| Date | Bed | Quadrat (m ²) | No. of Photos | No. of Species | No. of Expected Species | % Cover of Quadrat | Total Extent of Seagrass Bed | | | | |
|------------|------|---------------------------|---------------|----------------|-------------------------|--------------------|------------------------------|-----------------|----------|-----------------|-------|
| | | | | | | | 2013 | | 2014 | | |
| | | | | | | | Hectares | km ² | Hectares | km ² | |
| 24/09/2014 | West | 1 | 4 | 1 | 1 | 5 | | | | | |
| | | 2 | 4 | 1 | 1 | 5 | | | | | |
| | | 3 | 4 | 1 | 1 | 10 | | | | | |
| | | 4 | 4 | 1 | 1 | 10 | | | | | |
| | | 5 | 4 | 1 | 1 | 30 | | | | | |
| | | 6 | 4 | 1 | 1 | 80 | | | | | |
| | | 7 | 4 | 1 | 1 | 80 | | | | | |
| | | 8 | 4 | 1 | 1 | 50 | | | | | |
| | | 9 | 4 | 1 | 1 | 90 | | | | | |
| | | 10 | 4 | 1 | 1 | 5 | | | | | |
| | | 11 | 4 | 1 | 1 | 10 | | | | | |
| | | 12 | 4 | 1 | 1 | 1 | | | | | |
| | | 13 | 4 | 1 | 1 | 30 | | | | | |
| | | 14 | 4 | 1 | 1 | 1 | | | | | |
| | | 15 | 4 | 1 | 1 | 1 | | | | | |
| | | 16 | 4 | 1 | 1 | 1 | | | | | |
| | | 17 | 4 | 1 | 1 | 1 | | | | | |
| | | 18 | 4 | 1 | 1 | 20 | | | | | |
| | | 19 | 4 | 1 | 1 | 1 | | | | | |
| | | Total | | | | | | 80.9 | 0.809 | 91.2 | 0.912 |
| | | Mean | | | | | | | | | |

| Taxonomic Composition | | East Bed | West Bed |
|-----------------------|--|----------|----------|
| Shoot Loss | | -559.09 | -44.85 |
| Extent Loss | | -20.09 | -12.73 |

| Metric | Bed | Calculated Value | Normalised Value | Mean | Status |
|--------|------|------------------|------------------|------|--------|
| EQRcd | East | 1.33 | 1 | 1 | HIGH |
| | West | 1.33 | 1 | 1 | HIGH |
| EQRsd | East | 7.32 | 1 | 1 | HIGH |
| | West | 1.61 | 1 | 1 | HIGH |
| EQRrel | East | 1.33 | 1 | 1 | HIGH |
| | West | 1.25 | 1 | 1 | HIGH |

| | | |
|---|------|------|
| Overall 2014 WFD Status for Seagrass | 1.00 | HIGH |
|---|------|------|

| Date | Bed | Quadrat (m ²) | No. of Photos | No. of Species | No. of Expected Species | % Cover of Quadrat | Total Extent of Seagrass Bed | | | |
|---------------|------|---------------------------|---------------|----------------|-------------------------|--------------------|------------------------------|-----------------|----------|-----------------|
| | | | | | | | 2014 | | 2015 | |
| | | | | | | | Hectares | km ² | Hectares | km ² |
| 01-02/09/2015 | West | 1 | 4 | 1 | 1 | 1 | | | | |
| | | 2 | 4 | 1 | 1 | 15 | | | | |
| | | 3 | 4 | 1 | 1 | 1 | | | | |
| | | 4 | 4 | 1 | 1 | 30 | | | | |
| | | 5 | 4 | 1 | 1 | 5 | | | | |
| | | 6 | 4 | 1 | 1 | 50 | | | | |
| | | 7 | 4 | 1 | 1 | 2 | | | | |
| | | 8 | 4 | 1 | 1 | 10 | | | | |
| | | 9 | 4 | 1 | 1 | 30 | | | | |
| | | 10 | 4 | 1 | 1 | 4 | | | | |
| | | 11 | 4 | 1 | 1 | 15 | | | | |
| Total | | | | | | 91.2 | 0.912 | 87.8 | 0.878 | |
| Mean | | | | | | | | | | |

| Taxonomic Composition | | East Bed | West Bed |
|-----------------------|--|----------|----------|
| Shoot Loss | | 37.93 | 50.82 |
| Extent Loss | | 40.93 | 26.66 |

| Metric | Bed | Calculated Value | Normalised Value | Mean | Status |
|--------|------|------------------|------------------|------|----------|
| EQRcd | East | 1.33 | 1 | 1 | HIGH |
| | West | 1.33 | 1 | 1 | HIGH |
| EQRsd | East | 0.69 | 0.52 | 0.46 | MODERATE |
| | West | 0.55 | 0.39 | 0.46 | MODERATE |
| EQRrel | East | 0.66 | 0.49 | 0.57 | MODERATE |
| | West | 0.83 | 0.54 | 0.57 | MODERATE |

| | | |
|---|------|------|
| Overall 2015 WFD Status for Seagrass | 0.67 | GOOD |
|---|------|------|

| | | |
|--|------|------|
| Overall WFD Status for Seagrass | 0.86 | HIGH |
|--|------|------|