

YSI Calibration Sheet

Serial # 17E101324 Sonde ID: 21/16 4m YSI Date: 8/31/23 Name: Anna Wade

Date/Time OK? YES/NO

Battery Volts: 12.2 (Change if < 10.0 V) Changed batteries? YES/NO

YSI Calibration

Temperature reading: _____ °C

*Press Cal after each to complete calibration, not Esc

Calib 8/31/23
analyzed + post-deployment
9/1/23

Dissolved Oxygen: "DO Sat %"

Barometric Pressure: _____ mm Hg

Sensor Output Test: Pass/Fail

(For rapid-pulse probes, change membrane if failed)

Record first 10 readings from Discrete Sampling

DO Membrane changed? YES/NO

Probe Re-surfaced?

2-pt calibration:

0% DO: dissolve 1 g sodium sulfate in 50 mL DI

100% DO: 1.4" water, loosen threads on cap to get water saturated air, let equilibrate

[0] Initial: <u>0.2%</u>	Temp: <u>26.7</u> °C
[0] Calibrated: <u>0.5%</u>	Temp: <u>25</u> °C
[0] Post-deployment: <u>0.0</u>	Temp: <u>23.7</u> °C
[~97] Initial: <u>100%</u>	Temp: <u>22.7</u> °C
[~97] Calibrated: <u>98%</u>	Temp: <u>22.7</u> °C
[~97] Post-deployment: <u>98</u>	Temp: <u>21.8</u> °C

Conductivity: $\mu\text{S/cm}$ KCI

Conductivity Cell Constant: $[5.0 \pm 0.45]$: _____

Buffer Standard Used, $\mu\text{S/cm}$: 1000025 Lot No.: 2307E74

Initial: <u>992</u>	Temp: <u>23.2</u> °C
Calibrated: <u>1000</u>	Temp: <u>23.1</u> °C
Post-deployment: <u>987</u>	Temp: <u>24.1</u> °C

pH 4 Lot No.: BS1

pH 7 Lot No.: BT3A

pH 10 Lot No.: Bu1

pH:

[4] Initial: <u>4.10</u>	Temp: <u>22.6</u> °C
[4] Calibrated: <u>4.05</u>	Temp: <u>22.7</u> °C
[4] Post-deployment: <u>3.97</u>	Temp: <u>23.2</u> °C
[7] Initial: <u>6.97</u>	Temp: <u>22.5</u> °C
[7] Calibrated: <u>7.18</u>	Temp: <u>22.6</u> °C
[7] Post-deployment: <u>6.64</u>	Temp: <u>23.2</u> °C
[10] Initial: <u>10.38</u>	Temp: <u>22.5</u> °C
[10] Calibrated: <u>10.10</u>	Temp: <u>22.4</u> °C
[10] Post-deployment: <u>9.99</u>	Temp: <u>23.0</u> °C

ORP, mV: 967901

ORP Standard Used, mV: 220 Lot No.: BW1

Initial: <u>237.3</u>	Temp: <u>22.6</u> °C
Calibrated: <u>220.0</u>	Temp: <u>22.6</u> °C
Post-deployment: <u>222.1</u>	Temp: <u>22.8</u> °C

YSI Calibration Sheet

Sonde ID: 21/16 4m YSI Date: 9/7/23 Name: Anna Wade
Date/Time OK? (YES)/NO
Battery Volts: over 50% (Change if < 10.0 V) Changed batteries? YES/NO

YSI Calibration

Temperature reading: 23.9 °C

*Press Cal after each to complete calibration, not Esc

Dissolved Oxygen: "DO Sat %"

Barometric Pressure: 737 mm Hg

Sensor Output Test: Pass/Fail

(For rapid-pulse probes, change membrane if failed)

Record first 10 readings from Discrete Sampling

DO Membrane changed? YES/NO

Probe Re-surfaced?

2-pt calibration:

0% DO: dissolve 1 g sodium sulfate in 50 mL DI

100% DO: 1.4" water, loosen threads on cap to get water saturated air, let equilibrate

[0] Initial: <u>0%</u>	Temp: <u>23.4</u> °C
[0] Calibrated: <u>0%</u>	Temp: <u>23.4</u> °C
[0] Post-deployment: _____	Temp: _____ °C
[~97] Initial: <u>93.6</u>	Temp: <u>23.8</u> °C
[~97] Calibrated: <u>97</u>	Temp: <u>23.9</u> °C
[~97] Post-deployment: _____	Temp: _____ °C

Conductivity: $\mu\text{S}/\text{cm}$ Conductivity Cell Constant: $[5.0 \pm 0.45]$: _____Buffer Standard Used, $\mu\text{S}/\text{cm}$: 1,000 $\mu\text{S}/\text{cm}$ Lot No.: 2307E76

Initial: <u>998.996</u>	Temp: <u>23.3</u> °C
Calibrated: <u>1000</u>	Temp: <u>23.3</u> °C
Post-deployment: _____	Temp: _____ °C

pH 4 Lot No.: BS1pH 7 Lot No.: BT3ApH 10 Lot No.: Bu1

pH:

[4] Initial: <u>3.90</u>	Temp: <u>23.4</u> °C
[4] Calibrated: <u>4.003</u>	Temp: <u>23.4</u> °C <u>23.9</u>
[4] Post-deployment: _____	Temp: _____ °C
[7] Initial: <u>6.71</u>	Temp: <u>23.4</u> °C
[7] Calibrated: <u>7.01</u>	Temp: <u>23.8</u> °C
[7] Post-deployment: _____	Temp: _____ °C
[10] Initial: <u>9.99</u>	Temp: <u>23.6</u> °C
[10] Calibrated: <u>10.09</u>	Temp: <u>23.6</u> °C
[10] Post-deployment: _____	Temp: _____ °C

ORP, mV: Orion 967701ORP Standard Used, mV: 220 Lot No.: BW1

Initial: <u>219.7</u>	Temp: <u>23.4</u> °C
Calibrated: <u>220.0</u>	Temp: <u>23.4</u> °C
Post-deployment: _____	Temp: _____ °C

YSI Calibration Sheet

Sonde ID: _____ Date: 9/16/23 Name: Amw

Date/Time OK? YES/NO

Battery Volts: _____ (Change if < 10.0 V) Changed batteries? YES/NO

YSI Calibration

Temperature reading: _____ °C

*Press Cal after each to complete calibration, not Esc

Dissolved Oxygen: "DO Sat %"

Barometric Pressure: 741.9 mm Hg

Sensor Output Test: Pass/Fail

(For rapid-pulse probes, change membrane if failed)

Record first 10 readings from Discrete Sampling

DO Membrane changed? YES/NO

Probe Re-surfaced?

2-pt calibration:

0% DO: dissolve 1 g sodium sulfate in 50 mL DI

100% DO: 1.4" water, loosen threads on cap to get water saturated air, let equilibrate

[0] Initial: -0.10 Temp: 21.5 °C

[0] Calibrated: -0.170 Temp: 21.6 °C

[0] Post-deployment: 98.7 Temp: _____ °C

[~97] Initial: 98.7 % Temp: 21.5 °C

[~97] Calibrated: 99.0 % Temp: 20.7 °C

[~97] Post-deployment: _____ Temp: _____ °C

Conductivity: $\mu\text{S/cm}$

Conductivity Cell Constant: $[5.0 \pm 0.45]$: _____

Buffer Standard Used, $\mu\text{S/cm}$: 1000 Lot No.: _____

Initial: 989 Temp: 22.6 °C

Calibrated: 999 Temp: 22.6 °C

Post-deployment: _____ Temp: _____ °C

pH 4 Lot No.: 9.00

pH 7 Lot No.: 7.02

pH 10 Lot No.: _____

pH:

[4] Initial: 4.01 Temp: 21.8 °C

[4] Calibrated: 4.45 Temp: 21.8 °C

[4] Post-deployment: _____ Temp: _____ °C

[7] Initial: 6.70 7.17 Temp: 21.7 °C

[7] Calibrated: 7.24 7.32 Temp: 21.8 °C

[7] Post-deployment: _____ Temp: _____ °C

[10] Initial: 10.04 Temp: 21.7 °C

[10] Calibrated: 10.01 Temp: 21.7 °C

[10] Post-deployment: _____ Temp: _____ °C

ORP, mV:

ORP Standard Used, mV: 225 220 Lot. No.: _____

Initial: 222.8 Temp: 21.5 °C

Calibrated: 220.0 Temp: 21.5 °C

Post-deployment: _____ Temp: _____ °C

YSI Calibration Sheet

Sonde ID: _____ Date: 9/22/23 Name: Amw

Date/Time OK? YES/NO

Battery Volts: _____ (Change if < 10.0 V) Changed batteries? YES/NO

YSI Calibration

Temperature reading: 22.4 °C

*Press Cal after each to complete calibration, not Esc

Dissolved Oxygen: "DO Sat %"

Barometric Pressure: 745.3 mm Hg

Sensor Output Test: Pass/Fail

(For rapid-pulse probes, change membrane if failed)

Record first 10 readings from Discrete Sampling

DO Membrane changed? YES/NO

Probe Re-surfaced?

2-pt calibration:

0% DO: dissolve 1 g sodium sulfate in 50 mL DI

100% DO: 1.4" water, loosen threads on cap to get water saturated air, let equilibrate

[0] Initial: 0.0 Temp: 22.3 °C

[0] Calibrated: 0.0 Temp: 22.3 °C

[0] Post-deployment: _____ Temp: _____ °C

[~97] Initial: 100.3 Temp: 21.2 °C

[~97] Calibrated: 95.2 Temp: 21.9 °C

[~97] Post-deployment: _____ Temp: _____ °C

Conductivity: $\mu\text{S}/\text{cm}$

Conductivity Cell Constant: $[5.0 \pm 0.45]$: _____

Buffer Standard Used, $\mu\text{S}/\text{cm}$: 1000 Lot No.: 2307E76

Initial: 989 Temp: 21.8 °C

Calibrated: 999 Temp: 21.8 °C

Post-deployment: _____ Temp: _____ °C

pH 4 Lot No.: _____

pH 7 Lot No.: _____

pH 10 Lot No.: _____

pH:

[4] Initial: 4.10 Temp: 21.7 °C

[4] Calibrated: 3.97 Temp: 21.8 °C

[4] Post-deployment: _____ Temp: _____ °C

[7] Initial: 6.85 Temp: 21.6 °C

[7] Calibrated: 7.14 Temp: 21.7 °C

[7] Post-deployment: _____ Temp: _____ °C

[10] Initial: 9.84 Temp: 21.7 °C

[10] Calibrated: 10.10 Temp: 21.7 °C

[10] Post-deployment: _____ Temp: _____ °C

ORP, mV:

ORP Standard Used, mV: 220 Lot No.: _____

Initial: 220.4 Temp: 21.8 °C

Calibrated: 220.1 Temp: 21.8 °C

Post-deployment: _____ Temp: _____ °C

YSI Calibration Sheet

Sonde ID: _____ Date: 9/28/23 Name: Amw

Date/Time OK? YES/NO

Battery Volts: _____ (Change if < 10.0 V) Changed batteries? YES/NO

YSI Calibration

Temperature reading: 23.2 °C

*Press Cal after each to complete calibration, not Esc

Dissolved Oxygen: "DO Sat %"

Barometric Pressure: 741.1 mm Hg

Sensor Output Test: Pass/Fail

(For rapid-pulse probes, change membrane if failed)

Record first 10 readings from Discrete Sampling

DO Membrane changed? YES/NO

Probe Re-surfaced?

2-pt calibration:

0% DO: dissolve 1 g sodium sulfate in 50 mL DI

100% DO: 1.4" water, loosen threads on cap to get water saturated air, let equilibrate

[0] Initial: 0.0 Temp: 23.4 °C

[0] Calibrated: 0.0 Temp: 23.4 °C

[0] Post-deployment: 0.0 Temp: 23.3 °C

[~97] Initial: 93.7 Temp: 23.2 °C

[~97] Calibrated: 97.6 Temp: 23.2 °C

[~97] Post-deployment: 99.6 Temp: 23.1 °C

Conductivity: µs/cm

Conductivity Cell Constant: [5.0 ± 0.45]: _____

Buffer Standard Used, µs/cm: 1000 Lot No.: _____

Initial: 990 Temp: 22.9 °C

Calibrated: 999 Temp: 22.8 °C

Post-deployment: 992 Temp: 23.1 °C

pH 4 Lot No.: _____

pH 7 Lot No.: 7.01

pH 10 Lot No.: 10.02

pH:

[4] Initial: 3.71 Temp: 23.5 °C

[4] Calibrated: 4.15 Temp: 23.4 °C

[4] Post-deployment: 4.18 Temp: 23.2 °C

[7] Initial: 6.72 6.81 Temp: 23.0 °C

[7] Calibrated: 7.32 Temp: 23.0 °C

[7] Post-deployment: 6.72 Temp: 23.1 °C

[10] Initial: 10.01 Temp: 23.1 °C

[10] Calibrated: 10.11 Temp: 23.1 °C

[10] Post-deployment: 10.11 Temp: 23.2 °C

ORP, mV:

ORP Standard Used, mV: 220.0 Lot. No.: _____

Initial: 219.9 Temp: 23.3 °C

Calibrated: 220.0 Temp: _____ °C

Post-deployment: 221.3 Temp: 23.2 °C

YSI Calibration Sheet

Sonde ID: 2114 4M YSI Date: 10/31/23 Name: Amw
 Date/Time OK? YES/NO
 Battery Volts: _____ (Change if < 10.0 V) Changed batteries? YES/NO

YSI Calibration

Temperature reading: 22.6 °C
 *Press Cal after each to complete calibration, not Esc

Dissolved Oxygen: "DO Sat %" Barometric Pressure: 744.0 mm Hg
 Sensor Output Test: Pass/Fail (For rapid-pulse probes, change membrane if failed)
 Record first 10 readings from Discrete Sampling

DO Membrane changed? YES/NO Probe Re-surfaced?
 2-pt calibration:

0% DO: dissolve 1 g sodium sulfate in 50 mL DI
 100% DO: 1.4" water, loosen threads on cap to get water saturated air, let equilibrate

[0] Initial: 0.3 Temp: 23.6 °C
 [0] Calibrated: 0.0 Temp: 23.6 °C
 [0] Post-deployment: _____ Temp: _____ °C
 [~97] Initial: 99.9 Temp: 23.6 °C
 [~97] Calibrated: 99.1 Temp: 22.4 °C
 [~97] Post-deployment: _____ Temp: _____ °C

Conductivity: µs/cm Conductivity Cell Constant: [5.0 ± 0.45]: _____
 Buffer Standard Used, µs/cm: 1000 44 Lot No.: _____
 Initial: 1026 Temp: 23.1 °C
 Calibrated: 1002 1001 Temp: 23.1 °C
 Post-deployment: _____ Temp: _____ °C

pH 4 Lot No.: 351 pH 7 Lot No.: _____ pH 10 Lot No.: _____
 pH:

[4] Initial: 4.11 Temp: 22.4 °C
 [4] Calibrated: 4.13 Temp: 22.9 °C
 [4] Post-deployment: _____ Temp: _____ °C
 [7] Initial: 7.05 Temp: 22.5 °C
 [7] Calibrated: 7.17 Temp: 22.7 °C
 [7] Post-deployment: _____ Temp: _____ °C
 [10] Initial: 10.19 Temp: 22.6 °C
 [10] Calibrated: 10.06 Temp: 22.6 °C
 [10] Post-deployment: _____ Temp: _____ °C

ORP, mV:
 ORP Standard Used, mV: 220 Lot. No.: BW1
 Initial: 218.6 Temp: 23.8 °C
 Calibrated: 220.1 Temp: 23.0 °C
 Post-deployment: _____ Temp: _____ °C

YSI Calibration Sheet

Sonde ID: 2416 4045C Date: 11/7/23 Name: Amw

Date/Time OK? YES/NO

Battery Volts: _____ (Change if < 10.0 V) Changed batteries? YES/NO

YSI Calibration

Temperature reading: 21.2 °C

*Press Cal after each to complete calibration, not Esc

Dissolved Oxygen: "DO Sat %"

Barometric Pressure: 739.3 mm Hg

Sensor Output Test: Pass/Fail

(For rapid-pulse probes, change membrane if failed)

Record first 10 readings from Discrete Sampling

DO Membrane changed? YES/NO

Probe Re-surfaced?

2-pt calibration:

0% DO: dissolve 1 g sodium sulfate in 50 mL DI

100% DO: 1.4" water, loosen threads on cap to get water saturated air, let equilibrate

[0] Initial: 0.0 Temp: 21.2 °C

[0] Calibrated: 0.0 Temp: 21.2 °C

[0] Post-deployment: _____ Temp: _____ °C

[~97] Initial: 99.0 Temp: 20.1 °C

[~97] Calibrated: 99.1 Temp: 19.6 °C

[~97] Post-deployment: _____ Temp: _____ °C

Conductivity: $\mu\text{S}/\text{cm}$

Conductivity Cell Constant: $[5.0 \pm 0.45]$: _____

Buffer Standard Used, $\mu\text{S}/\text{cm}$: 1000 Lot No.: _____

Initial: 1025 Temp: 21.4 °C

Calibrated: 1000 Temp: 21.4 °C

Post-deployment: _____ Temp: _____ °C

pH 4 Lot No.: _____

pH 7 Lot No.: _____

pH 10 Lot No.: _____

pH:

[4] Initial: 3.99 4.15 Temp: 21.2 °C

[4] Calibrated: 4.20 4.20 Temp: 21.1 °C

[4] Post-deployment: _____ Temp: _____ °C

[7] Initial: 6.95 Temp: 21.4 °C

[7] Calibrated: 7.14 Temp: 21.2 °C

[7] Post-deployment: _____ Temp: _____ °C

[10] Initial: 9.90 Temp: 21.3 °C

[10] Calibrated: 9.90 10.09 Temp: 21.3 °C 21.3

[10] Post-deployment: _____ Temp: _____ °C

ORP, mV:

ORP Standard Used, mV: 220 Lot. No.: _____

Initial: 215.8 Temp: 21.4 °C

Calibrated: 219.9 Temp: 21.4 °C

Post-deployment: _____ Temp: _____ °C

25mL → 0.451 Fe_2S^{2-}

1 → Amine

1.5 → UV Vis

2.5 → metals

5 → DOC

5 → Hg

40mL

+3+2.5+5+1.5
24+25 6.25
Hg

25+1+2+2.5+5
35+5
40

YSI Calibration Sheet

Sonde ID: 2416 Ym YSE Date: 11/16/23

Name: Ann W

Date/Time OK? YES/NO

Battery Volts: _____ (Change if < 10.0 V) Changed batteries? YES/NO

YSI Calibration

Temperature reading: 21.5 °C

*Press Cal after each to complete calibration, not Esc

Dissolved Oxygen: "DO Sat %"

Barometric Pressure: 746.1 mm Hg

Sensor Output Test: Pass/Fail

(For rapid-pulse probes, change membrane if failed)

Record first 10 readings from Discrete Sampling

DO Membrane changed? YES/NO

Probe Re-surfaced?

2-pt calibration:

0% DO: dissolve 1 g sodium sulfate in 50 mL DI

100% DO: 1.4" water, loosen threads on cap to get water saturated air, let equilibrate

[0] Initial: -0.2 Temp: 21.5 °C

[0] Calibrated: -0.1 Temp: 21.5 °C

[0] Post-deployment: _____ Temp: _____ °C

[~97] Initial: 99.0 Temp: 20.2 °C

[~97] Calibrated: 91.5 Temp: 20.4 °C

[~97] Post-deployment: _____ Temp: _____ °C

Conductivity: µs/cm

Conductivity Cell Constant: [5.0 ± 0.45]: _____

Buffer Standard Used, µs/cm: _____ Lot No.: _____

Initial: 998 Temp: 21.52 °C

Calibrated: 1000 Temp: 21.3 °C

Post-deployment: _____ Temp: _____ °C

pH 4 Lot No.: _____

pH 7 Lot No.: _____

pH 10 Lot No.: _____

pH:

[4] Initial: 4.08 Temp: 21.3 °C

[4] Calibrated: 4.06 Temp: 21.6 °C

[4] Post-deployment: _____ Temp: _____ °C

[7] Initial: 7.10 Temp: 21.4 °C

[7] Calibrated: 6.94 Temp: 21.5 °C

[7] Post-deployment: _____ Temp: _____ °C

[10] Initial: 10.03 Temp: 21.5 °C

[10] Calibrated: 10.08 Temp: 21.5 °C

[10] Post-deployment: _____ Temp: _____ °C

ORP, mV:

ORP Standard Used, mV: _____ Lot. No.: _____

Initial: 221.3 Temp: 21.7 °C

Calibrated: 219.7 Temp: 21.7 °C

Post-deployment: _____ Temp: _____ °C

measured on
✓ XL25 accuracy
dual channel
pH/ion probe
in 127

P1 - pH 6.00

P2 - ~~6.01~~ 6.01

P3 - 5.98

UV V:2
P1-P3 - 4x
D1-D3 - 2x
1mL P1-P3
2mL D1-D3

Total metals
5x for all
1mL
undil?
3mL

Total Hg
5mL Hg

DOC
20x dilution
2mL → 20mL
1% Hg
2mL

Arims
1mL

YSI Calibration Sheet

Sonde ID: _____ Date: 11/24/23 Name: Luxton

Date/Time OK? YES/NO

Battery Volts: 100% (Change if < 10.0 V) Changed batteries? YES/NO

YSI Calibration

Temperature reading: 21.5° °C

*Press Cal after each to complete calibration, not Esc

Dissolved Oxygen: "DO Sat %"

Barometric Pressure: 749.1 mm Hg

Sensor Output Test: Pass/Fail

(For rapid-pulse probes, change membrane if failed)

Record first 10 readings from Discrete Sampling

DO Membrane changed? YES/NO

Probe Re-surfaced?

2-pt calibration:

0% DO: dissolve 1 g sodium sulfate in 50 mL DI

100% DO: 1.4" water, loosen threads on cap to get water saturated air, let equilibrate

[0] Initial: 0.5% Temp: 23.9 °C

[0] Calibrated: 0.05% Temp: 23.9 °C

[0] Post-deployment: _____ Temp: _____ °C

[~97] Initial: 92.2 Temp: 22.5 °C

[~97] Calibrated: 78.0 Temp: 22.5 °C

[~97] Post-deployment: _____ Temp: _____ °C

Conductivity: µs/cm

Conductivity Cell Constant: [5.0 ± 0.45]: _____

Buffer Standard Used, µs/cm: 1000 Lot No.: _____

Initial: 918 Temp: 21.5 °C

Calibrated: 1000 Temp: 21.5 °C

Post-deployment: _____ Temp: _____ °C

pH 4 Lot No.: From Box

pH 7 Lot No.: From Box

pH 10 Lot No.: From Box

pH:

[4] Initial: 3.98 Temp: 21.5 °C

[4] Calibrated: 4.00 Temp: 21.5 °C

[4] Post-deployment: _____ Temp: 21.6 °C

[7] Initial: 7.03 Temp: 21.6 °C

[7] Calibrated: 7.02 Temp: 21.6 °C

[7] Post-deployment: _____ Temp: _____ °C

[10] Initial: 10.03 Temp: 21.7 °C

[10] Calibrated: 10.04 Temp: 21.7 °C

[10] Post-deployment: _____ Temp: _____ °C

ORP, mV:

ORP Standard Used, mV: 220 Lot. No.: _____

Initial: 233.4 Temp: 21.5 °C

Calibrated: 220 Temp: 21.5 °C

Post-deployment: _____ Temp: _____ °C

YSI Calibration Sheet

Sonde ID: New Pro PSS 22126 4m45E Date: 11/30/23 Name: Amw
 Date/Time OK? YES/NO
 Battery Volts: _____ (Change if < 10.0 V) Changed batteries? YES/NO

YSI Calibration

Temperature reading: 21.3 °C
 *Press Cal after each to complete calibration, not Esc

Dissolved Oxygen: "DO Sat %" Barometric Pressure: 740.2 mm Hg
 Sensor Output Test: Pass/Fail (For rapid-pulse probes, change membrane if failed)
 Record first 10 readings from Discrete Sampling

DO Membrane changed? YES/NO Probe Re-surfaced?
 2-pt calibration:

0% DO: dissolve 1 g sodium sulfate in 50 mL DI
 100% DO: 1.4" water, loosen threads on cap to get water saturated air, let equilibrate
 [0] Initial: 0.0 Temp: 23.1 °C
 [0] Calibrated: 0.0 Temp: 23.2 °C
 [0] Post-deployment: _____ Temp: _____ °C
 [~97] Initial: 96.2 Temp: 21.5 °C
 [~97] Calibrated: 97.4 Temp: 21.5 °C
 [~97] Post-deployment: _____ Temp: _____ °C

Conductivity: µs/cm Conductivity Cell Constant: [5.0 ± 0.45]: _____
 Buffer Standard Used, µs/cm: 1000 Lot No.: _____
 Initial: 992 Temp: 21.4 °C
 Calibrated: 1000 Temp: 21.4 °C
 Post-deployment: _____ Temp: _____ °C

pH 4 Lot No.: _____ pH 7 Lot No.: _____ pH 10 Lot No.: _____
 pH:
 [4] Initial: 3.98 Temp: 21.8 °C
 [4] Calibrated: 4.02 Temp: 21.7 °C
 [4] Post-deployment: _____ Temp: _____ °C
 [7] Initial: 6.96 Temp: 22.2 °C
 [7] Calibrated: 7.02 Temp: 22.0 °C
 [7] Post-deployment: _____ Temp: _____ °C
 [10] Initial: 9.93 Temp: 21.8 °C
 [10] Calibrated: 10.01 Temp: 21.8 °C
 [10] Post-deployment: _____ Temp: _____ °C

ORP, mV:
 ORP Standard Used, mV: 220 Lot. No.: _____
 Initial: 220.0 Temp: 21.4 °C
 Calibrated: 211.9 Temp: 21.5 °C
 Post-deployment: _____ Temp: _____ °C

YSI Calibration Sheet
new YSI

Sonde ID: 22126 YSI Date: 1/4/23 Name: Amw

Date/Time OK? YES/NO

Battery Volts: _____ (Change if < 10.0 V) Changed batteries? YES/NO

YSI Calibration

Temperature reading: 22.2 °C

*Press Cal after each to complete calibration, not Esc

Dissolved Oxygen: "DO Sat %"

Barometric Pressure: 748.2 mm Hg

Sensor Output Test: Pass/Fail (For rapid-pulse probes, change membrane if failed)

Record first 10 readings from Discrete Sampling

DO Membrane changed? YES/NO

Probe Re-surfaced?

2-pt calibration:

0% DO: dissolve 1 g sodium sulfate in 50 mL DI

100% DO: 1.4" water, loosen threads on cap to get water saturated air, let equilibrate

[0] Initial: 0.1 Temp: 22.2 °C

[0] Calibrated: 0.0 Temp: 22.2 °C

[0] Post-deployment: _____ Temp: _____ °C

[~97] Initial: 97.0 Temp: 21.9 °C

[~97] Calibrated: 98.5 Temp: 21.9 °C

[~97] Post-deployment: _____ Temp: _____ °C

Conductivity: µs/cm

Conductivity Cell Constant: [5.0 ± 0.45]: _____

Buffer Standard Used, µs/cm: 1000 Lot No.: 2307E76

Initial: 1016 Temp: 22.3 °C

Calibrated: 1000 Temp: 22.3 °C

Post-deployment: _____ Temp: _____ °C

pH 4 Lot No.: _____

pH 7 Lot No.: _____

pH 10 Lot No.: _____

pH:

[4] Initial: 4.05 Temp: 22.4 °C

[4] Calibrated: 4.02 Temp: 22.2 °C

[4] Post-deployment: _____ Temp: _____ °C

[7] Initial: 7.03 Temp: 22.2 °C

[7] Calibrated: 7.05 Temp: 22.1 °C

[7] Post-deployment: _____ Temp: _____ °C

[10] Initial: 10.03 Temp: 22.2 °C

[10] Calibrated: 10.03 Temp: 22.2 °C

[10] Post-deployment: _____ Temp: _____ °C

ORP, mV:

ORP Standard Used, mV: 220 Lot No.: BW1

Initial: 220.0 Temp: 21.6 °C

Calibrated: 219.9 Temp: 21.6 °C

Post-deployment: _____ Temp: _____ °C

Thermo ORP started

YSI Calibration Sheet

Sonde ID: _____ Date: 1/16/2014 Name: Amu

Date/Time OK? YES/NO

Battery Volts: _____ (Change if < 10.0 V) Changed batteries? YES/NO

YSI Calibration

Temperature reading: 22.0 °C

*Press Cal after each to complete calibration, not Esc

Dissolved Oxygen: "DO Sat %"

Barometric Pressure: 745.4 mm Hg

Sensor Output Test: Pass/Fail (For rapid-pulse probes, change membrane if failed)

Record first 10 readings from Discrete Sampling

DO Membrane changed? YES/NO

Probe Re-surfaced?

2-pt calibration:

0% DO: dissolve 1 g sodium sulfate in 50 mL DI

100% DO: 1.4" water, loosen threads on cap to get water saturated air, let equilibrate

[0] Initial: -0.4 Temp: 21.9 °C

[0] Calibrated: -0.2 Temp: 21.9 °C

[0] Post-deployment: _____ Temp: _____ °C

[~97] Initial: 98.2 Temp: 21.5 °C

[~97] Calibrated: 98.2 Temp: 21.5 °C

[~97] Post-deployment: _____ Temp: _____ °C

Conductivity: µs/cm

Conductivity Cell Constant: [5.0 ± 0.45]: _____

Buffer Standard Used, µs/cm: 1000 Lot No.: _____

Initial: 1012 Temp: 21.5 °C

Calibrated: 1000 Temp: 21.5 °C

Post-deployment: _____ Temp: _____ °C

pH 4 Lot No.: _____

pH 7 Lot No.: _____

pH 10 Lot No.: _____

pH:

[4] Initial: 4.00 4.03

Temp: 21.4 °C

[4] Calibrated: 4.00 4.01

Temp: 21.4 °C

[4] Post-deployment: _____

Temp: _____ °C

[7] Initial: 7.02 7.03

Temp: 21.5 °C

[7] Calibrated: 7.04

Temp: 21.4 °C

[7] Post-deployment: _____

Temp: _____ °C

[10] Initial: 10.02

Temp: 21.5 °C 21.5

[10] Calibrated: 10.04

Temp: 21.5 °C

[10] Post-deployment: _____

Temp: _____ °C

ORP, mV: Orion ORP Standard

ORP Standard Used, mV: 220 Lot. No.: _____

Initial: 220.7 Temp: 21.3 °C

Calibrated: 219.9 Temp: 21.3 °C

Post-deployment: _____ Temp: _____ °C

YSI Calibration Sheet

Lane W3 Day 14

Sonde ID: _____

Date: 1/22/24Name: Amw

Date/Time OK? YES/NO

Battery Volts: _____ (Change if < 10.0 V) Changed batteries? YES/NO

YSI Calibration

Temperature reading: 23.1 °C

*Press Cal after each to complete calibration, not Esc

Dissolved Oxygen: "DO Sat %"

Barometric Pressure: 752.5 mm Hg

Sensor Output Test: Pass/Fail

(For rapid-pulse probes, change membrane if failed)

Record first 10 readings from Discrete Sampling

DO Membrane changed? YES/NO

Probe Re-surfaced?

2-pt calibration:

0% DO: dissolve 1 g sodium sulfate in 50 mL DI

100% DO: 1.4" water, loosen threads on cap to get water saturated air, let equilibrate

[0] Initial: 0.0 Temp: 23.1 °C[0] Calibrated: -0.02 Temp: 23.1 °C

[0] Post-deployment: _____ Temp: _____ °C

[~97] Initial: 100.7 Temp: 23.2 °C[~97] Calibrated: 99.0 Temp: 23.2 °C

[~97] Post-deployment: _____ Temp: _____ °C

Conductivity: $\mu\text{S}/\text{cm}$ Conductivity Cell Constant: $[5.0 \pm 0.45]$: _____Buffer Standard Used, $\mu\text{S}/\text{cm}$: 1000 Lot No.: _____Initial: 988 Temp: 23.2 °CCalibrated: 1000 Temp: 23.2 °C

Post-deployment: _____ Temp: _____ °C

pH 4 Lot No.: _____

pH 7 Lot No.: _____

pH 10 Lot No.: _____

pH:

[4] Initial: 4.00 Temp: 23.1 °C[4] Calibrated: 4.01 3.99 Temp: 22.9 °C

[4] Post-deployment: _____ Temp: _____ °C

[7] Initial: 7.01 Temp: 22.9 °C[7] Calibrated: 7.01 7.04 Temp: 22.8 °C

[7] Post-deployment: _____ Temp: _____ °C

[10] Initial: 10.02 Temp: 23.0 °C[10] Calibrated: 10.03 Temp: 23.0 °C

[10] Post-deployment: _____ Temp: _____ °C

ORP, mV: on an Thermo FisherORP Standard Used, mV: 220 Lot No.: _____Initial: 226.5 Temp: 22.8 °CCalibrated: 219.9 Temp: 22.8 °C

Post-deployment: _____ Temp: _____ °C

YSI Calibration Sheet

Lane W3 Day 21

Sonde ID: _____ Date: 1/29/24 Name: Amw

Date/Time OK? YES/NO

Battery Volts: _____ (Change if < 10.0 V) Changed batteries? YES/NO

YSI Calibration

Temperature reading: 22.8 °C

*Press Cal after each to complete calibration, not Esc

Dissolved Oxygen: "DO Sat %"

Barometric Pressure: 746.3 mm Hg

Sensor Output Test: Pass/Fail

(For rapid-pulse probes, change membrane if failed)

Record first 10 readings from Discrete Sampling

DO Membrane changed? YES/NO

Probe Re-surfaced?

2-pt calibration:

0% DO: dissolve 1 g sodium sulfate in 50 mL DI

100% DO: 1.4" water, loosen threads on cap to get water saturated air, let equilibrate

[0] Initial: 0.0 Temp: 23.6 °C

[0] Calibrated: -0.2 Temp: 23.6 °C

[0] Post-deployment: _____ Temp: _____ °C

[~97] Initial: 98.973 Temp: 23.1 °C

[~97] Calibrated: 98.3 Temp: 22.1 °C

[~97] Post-deployment: _____ Temp: _____ °C

Conductivity: $\mu\text{S}/\text{cm}$ Licca Conductivity Cell Constant: $[5.0 \pm 0.45]:$ _____

Buffer Standard Used, $\mu\text{S}/\text{cm}$: 1000 KCl Lot No.: _____

Initial: 994 Temp: 22.9 °C

Calibrated: 1000 Temp: 22.9 °C

Post-deployment: _____ Temp: _____ °C

pH 4 Lot No.: 4.00 pH 7 Lot No.: _____ pH 10 Lot No.: _____

pH:

[4] Initial: 4.06 Temp: 23.0 °C

[4] Calibrated: 4.03 Temp: _____ °C

[4] Post-deployment: _____ Temp: _____ °C

[7] Initial: 7.06 Temp: 22.8 °C

[7] Calibrated: 7.04 Temp: 22.8 °C

[7] Post-deployment: _____ Temp: _____ °C

10.03 [10] Initial: 10.05 Temp: 22.8 °C

[10] Calibrated: 10.03 Temp: 22.8 °C

[10] Post-deployment: _____ Temp: _____ °C

ORP, mV:

ORP Standard Used, mV: 220 Lot. No.: _____

Initial: 219.7 Temp: 22.6 °C

Calibrated: 220.1 Temp: 22.6 °C

Post-deployment: _____ Temp: _____ °C

YSI Calibration Sheet

lane W3
Day 28
SW + PW

Sonde ID: _____ Date: 2/5/24 Name: Amw
Date/Time OK? YES/NO
Battery Volts: _____ (Change if < 10.0 V) Changed batteries? YES/NO

YSI Calibration

Temperature reading: 22.2 °C

*Press Cal after each to complete calibration, not Esc

Dissolved Oxygen: "DO Sat %"

Barometric Pressure: 740.3 mm Hg

Sensor Output Test: Pass/Fail (For rapid-pulse probes, change membrane if failed)

Record first 10 readings from Discrete Sampling

DO Membrane changed? YES/NO

Probe Re-surfaced?

2-pt calibration:

0% DO: dissolve 1 g sodium sulfate in 50 mL DI

100% DO: 1.4" water, loosen threads on cap to get water saturated air, let equilibrate

[0] Initial: 0.0 -0.3 Temp: 22.9 °C

[0] Calibrated: -0.2 Temp: 22.8 °C

[0] Post-deployment: _____ Temp: _____ °C

[~97] Initial: 98.5 Temp: 22.9 °C

[~97] Calibrated: 97.5 Temp: 22.9 °C

[~97] Post-deployment: _____ Temp: _____ °C

Conductivity: µs/cm

Conductivity Cell Constant: [5.0 ± 0.45]: _____

Buffer Standard Used, µs/cm: 1000 Lot No.: _____

Initial: 1000 Temp: 22.8 °C

Calibrated: 1001 Temp: 22.7 °C

Post-deployment: _____ Temp: _____ °C

pH 4 Lot No.: _____

pH 7 Lot No.: _____

pH 10 Lot No.: _____

pH:

[4] Initial: 3.9 Temp: 22.7 °C

[4] Calibrated: 4.0 Temp: 22.8 °C

[4] Post-deployment: _____ Temp: _____ °C

[7] Initial: 7.01 Temp: 22.7 °C

[7] Calibrated: 7.05 Temp: 22.6 °C

[7] Post-deployment: _____ Temp: _____ °C

[10] Initial: 9.95 Temp: 22.6 °C

[10] Calibrated: 9.99 Temp: 22.6 °C

[10] Post-deployment: _____ Temp: _____ °C

ORP, mV:

ORP Standard Used, mV: 220 Lot. No.: _____

Initial: 216.3 Temp: 22.8 °C

Calibrated: 220.0 Temp: 22.8 °C

Post-deployment: _____ Temp: _____ °C

YSI Calibration Sheet

prep for
killarney
w2Tm

Sonde ID: _____ Date: 1/10/23 Name: Amw
Date/Time OK? YES/NO
Battery Volts: _____ (Change if < 10.0 V) Changed batteries? YES/NO

YSI Calibration

Temperature reading: 18.5 °C

*Press Cal after each to complete calibration, not Esc

Dissolved Oxygen: "DO Sat %"

Barometric Pressure: 734.7 mm Hg

Sensor Output Test: Pass/Fail

(For rapid-pulse probes, change membrane if failed)

Record first 10 readings from Discrete Sampling

DO Membrane changed? YES/NO

Probe Re-surfaced?

2-pt calibration:

0% DO: dissolve 1 g sodium sulfate in 50 mL DI

100% DO: 1.4" water, loosen threads on cap to get water saturated air, let equilibrate

[0] Initial: -0.1% Temp: 22.2 °C

[0] Calibrated: -0.2% Temp: 22.2 °C

[0] Post-deployment: _____ Temp: _____ °C

[~97] Initial: 96.8 Temp: 20.7 °C

[~97] Calibrated: 96.8 Temp: 20.6 °C

[~97] Post-deployment: _____ Temp: _____ °C

Conductivity: $\mu\text{S/cm}$

Conductivity Cell Constant: $[5.0 \pm 0.45]$: _____

Buffer Standard Used, $\mu\text{S/cm}$: 1000 Lot No.: 2307E76

Initial: 996 Temp: 21.5 °C

Calibrated: _____ Temp: _____ °C

Post-deployment: _____ Temp: _____ °C

pH 4 Lot No.: _____

pH 7 Lot No.: _____

pH 10 Lot No.: _____

pH:

[4] Initial: 4.02 Temp: 21.4 °C

[4] Calibrated: 4.01 Temp: 21.1 °C

[4] Post-deployment: _____ Temp: _____ °C

[7] Initial: 7.04 Temp: 21.1 °C

[7] Calibrated: 7.04 Temp: 21.4 °C

[7] Post-deployment: _____ Temp: _____ °C

[10] Initial: 10.04 Temp: 21.5 °C

[10] Calibrated: 10.04 Temp: 21.5 °C

[10] Post-deployment: _____ Temp: _____ °C

ORP, mV:

ORP Standard Used, mV: 220 Lot No.: _____

Initial: 218.9 Temp: 20.9 °C

Calibrated: 220.0 Temp: 21.0 °C

Post-deployment: _____ Temp: _____ °C

YSI Calibration Sheet

Sonde ID: New ID ^{Sonde 127 Kirby} Date: 1/19/23 Name: Amw

Date/Time OK? YES/NO

Battery Volts: _____ (Change if < 10.0 V) Changed batteries? YES/NO

YSI Calibration

Temperature reading: 22.2 °C

*Press Cal after each to complete calibration, not Esc

Dissolved Oxygen: "DO Sat %"

Barometric Pressure: 741.9 mm Hg

Sensor Output Test: Pass/Fail

(For rapid-pulse probes, change membrane if failed)

Record first 10 readings from Discrete Sampling

DO Membrane changed? YES/NO

Probe Re-surfaced?

2-pt calibration:

0% DO: dissolve 1 g sodium sulfate in 50 mL DI

100% DO: 1.4" water, loosen threads on cap to get water saturated air, let equilibrate

[0] Initial: 0.0 Temp: 22.2 °C 22.7

[0] Calibrated: 0.0 Temp: _____ °C

[0] Post-deployment: _____ Temp: _____ °C

[~97] Initial: 103.0 Temp: _____ °C

[~97] Calibrated: 97.1 Temp: _____ °C

[~97] Post-deployment: _____ Temp: _____ °C

Conductivity: µs/cm

Conductivity Cell Constant: [5.0 ± 0.45]: _____

Buffer Standard Used, µs/cm: 1000 Lot No.: _____

Initial: 999.9 Temp: 22.2 °C

Calibrated: 1001 Temp: 22.2 °C

Post-deployment: _____ Temp: _____ °C

pH 4 Lot No.: _____

pH 7 Lot No.: _____

pH 10 Lot No.: _____

pH:

[4] Initial: 4.53 Temp: 22.2 °C

[4] Calibrated: 4.00 3.98 Temp: 22.0 °C

[4] Post-deployment: _____ Temp: _____ °C

[7] Initial: 6.97 Temp: 22.1 °C

[7] Calibrated: 7.06 Temp: 22.0 °C

[7] Post-deployment: _____ Temp: _____ °C

[10] Initial: 9.97 Temp: 22.2 °C

[10] Calibrated: 10.04 Temp: 22.2 °C

[10] Post-deployment: _____ Temp: _____ °C

ORP, mV:

ORP Standard Used, mV: 220 Lot. No.: _____

Initial: 220.4 Temp: 21.9 °C

Calibrated: 220.0 Temp: 21.9 °C

Post-deployment: _____ Temp: _____ °C

YSI Calibration Sheet Killarney Day 14 Dry Down

Sonde ID: _____ Date: 11/25/24 Name: Amw

Date/Time OK? YES/NO

Battery Volts: _____ (Change if < 10.0 V) Changed batteries? YES/NO

YSI Calibration

Temperature reading: 23.0 °C

*Press Cal after each to complete calibration, not Esc

Dissolved Oxygen: "DO Sat %"

Barometric Pressure: 742.5 mm Hg

Sensor Output Test: Pass/Fail (For rapid-pulse probes, change membrane if failed)

Record first 10 readings from Discrete Sampling

DO Membrane changed? YES/NO

Probe Re-surfaced?

2-pt calibration:

0% DO: dissolve 1 g sodium sulfate in 50 mL DI

100% DO: 1.4" water, loosen threads on cap to get water saturated air, let equilibrate

[0] Initial: -0.2 Temp: 23.0 °C

[0] Calibrated: -0.1 Temp: 23.0 °C

[0] Post-deployment: _____ Temp: _____ °C

97.7 [~97] Initial: 97.2 Temp: 23.2 °C

[~97] Calibrated: 97.7 Temp: 23.2 °C

[~97] Post-deployment: _____ Temp: _____ °C

Conductivity: µs/cm

Conductivity Cell Constant: [5.0 ± 0.45]: _____

Buffer Standard Used, µs/cm: 1000 Lot No.: _____

Initial: 994 Temp: 23.3 °C

Calibrated: 1000 Temp: 23.3 °C

Post-deployment: _____ Temp: _____ °C

pH 4 Lot No.: _____

pH 7 Lot No.: _____

pH 10 Lot No.: _____

pH:

[4] Initial: 3.92 Temp: 23.1 °C

[4] Calibrated: 4.03 Temp: 23.1 °C

[4] Post-deployment: _____ Temp: _____ °C

[7] Initial: 6.98 Temp: 23.2 °C

[7] Calibrated: 7.07 Temp: 23.1 °C

[7] Post-deployment: _____ Temp: _____ °C

[10] Initial: 10.02 Temp: 22.9 °C

[10] Calibrated: 10.02 Temp: 23.0 °C

[10] Post-deployment: _____ Temp: _____ °C

ORP, mV:

ORP Standard Used, mV: 220 Lot. No.: _____

Initial: 220.2 Temp: 22.7 °C

Calibrated: 220.0 Temp: 22.5 °C

Post-deployment: _____ Temp: _____ °C

YSI Calibration Sheet

Sonde ID: New ID ^{Sonde 127 Kirby} Date: 1/19/23 Name: Amw

Date/Time OK? YES/NO

Battery Volts: _____ (Change if < 10.0 V) Changed batteries? YES/NO

YSI Calibration

Temperature reading: 22.2 °C

*Press Cal after each to complete calibration, not Esc

Dissolved Oxygen: "DO Sat %"

Barometric Pressure: 741.9 mm Hg

Sensor Output Test: Pass/Fail

(For rapid-pulse probes, change membrane if failed)

Record first 10 readings from Discrete Sampling

DO Membrane changed? YES/NO

Probe Re-surfaced?

2-pt calibration:

0% DO: dissolve 1 g sodium sulfate in 50 mL DI

100% DO: 1.4" water, loosen threads on cap to get water saturated air, let equilibrate

[0] Initial: 0.0

Temp: 22.2 °C 22.7

[0] Calibrated: 0.0

Temp: _____ °C

[0] Post-deployment: _____

Temp: _____ °C

[~97] Initial: 103.0

Temp: _____ °C

[~97] Calibrated: 97.1

Temp: _____ °C

[~97] Post-deployment: _____

Temp: _____ °C

Conductivity: µs/cm

Conductivity Cell Constant: [5.0 ± 0.45]: _____

Buffer Standard Used, µs/cm: 1000 Lot No.: _____

Initial: 984.994

Temp: 22.2 °C

Calibrated: 1001

Temp: 22.2 °C

Post-deployment: _____

Temp: _____ °C

pH 4 Lot No.: _____

pH 7 Lot No.: _____

pH 10 Lot No.: _____

pH:

[4] Initial: 4.04 4.53

Temp: 22.2 °C

[4] Calibrated: 4.00 4.44 3.98

Temp: 22.0 °C

[4] Post-deployment: _____

Temp: _____ °C

[7] Initial: 6.97

Temp: 22.1 °C

[7] Calibrated: 7.06

Temp: 22.0 °C

[7] Post-deployment: _____

Temp: _____ °C

[10] Initial: 8.04 9.97

Temp: 22.2 °C

[10] Calibrated: 10.04

Temp: 22.2 °C

[10] Post-deployment: _____

Temp: _____ °C

ORP, mV:

ORP Standard Used, mV: 220 Lot. No.: _____

Initial: 220.4

Temp: 21.9 °C

Calibrated: 220.0

Temp: 21.9 °C

Post-deployment: _____

Temp: _____ °C

YSI Calibration Sheet

Sonde ID: _____ Date: 2/15/24 Name: AMU

Date/Time OK? YES/NO

Battery Volts: _____ (Change if < 10.0 V) Changed batteries? YES/NO

YSI Calibration

Temperature reading: 23.5 °C

*Press Cal after each to complete calibration, not Esc

Dissolved Oxygen: "DO Sat %"

Barometric Pressure: 739.8 mm Hg

Sensor Output Test: Pass/Fail

(For rapid-pulse probes, change membrane if failed)

Record first 10 readings from Discrete Sampling

DO Membrane changed? YES/NO

Probe Re-surfaced?

2-pt calibration:

0% DO: dissolve 1 g sodium sulfate in 50 mL DI

100% DO: 1.4" water, loosen threads on cap to get water saturated air, let equilibrate

[0] Initial: 2823 0.1 Temp: 23.3 °C

[0] Calibrated: 0.00000 - 0.2 Temp: 23.3 °C

[0] Post-deployment: _____ Temp: 23.3 °C

[~97] Initial: 96.9 Temp: 22.9 °C

[~97] Calibrated: 97.4 Temp: 22.9 °C

[~97] Post-deployment: _____ Temp: _____ °C

Conductivity: µs/cm

Conductivity Cell Constant: [5.0 ± 0.45]: _____

Buffer Standard Used, µs/cm: 1000 Lot No.: _____

Initial: 1018 Temp: 23.4 °C

Calibrated: 1000 Temp: 23.4 °C

Post-deployment: _____ Temp: _____ °C

pH 4 Lot No.: _____

pH 7 Lot No.: _____

pH 10 Lot No.: _____

pH:

[4] Initial: 4.03 Temp: 22.9 °C

[4] Calibrated: 4.01 Temp: 23.1 °C

[4] Post-deployment: _____ Temp: _____ °C

[7] Initial: 7.00 Temp: 22.4 °C

[7] Calibrated: 7.07 Temp: 22.7 °C

[7] Post-deployment: _____ Temp: _____ °C

[10] Initial: 9.97 Temp: 22.5 °C

[10] Calibrated: 10.01 Temp: 22.5 °C

[10] Post-deployment: _____ Temp: _____ °C

2/16/24
10:30 am - started
finding D1-D3

ORP, mV:

ORP Standard Used, mV: 220.0 Lot. No.: _____

Initial: 219.7 Temp: 22.6 °C

Calibrated: 220.0 Temp: 22.6 °C

Post-deployment: _____ Temp: _____ °C

YSI Calibration Sheet

New sonde
Sonde ID: 127 cal Date: 2/22/24 Name: Amu
Date/Time OK? YES/NO
Battery Volts: _____ (Change if < 10.0 V) Changed batteries? YES/NO

YSI Calibration

Temperature reading: 22.0 °C

*Press Cal after each to complete calibration, not Esc

Dissolved Oxygen: "DO Sat %"

Barometric Pressure: 731 mm Hg

Sensor Output Test: Pass/Fail

(For rapid-pulse probes, change membrane if failed)

Record first 10 readings from Discrete Sampling

DO Membrane changed? YES/NO

Probe Re-surfaced?

2-pt calibration:

0% DO: dissolve 1 g sodium sulfate in 50 mL DI

100% DO: 1.4" water, loosen threads on cap to get water saturated air, let equilibrate

[0] Initial: <u>0.0</u>	Temp: <u>22.9</u> °C
[0] Calibrated: <u>0.0</u>	Temp: <u>22.9</u> °C
[0] Post-deployment: _____	Temp: _____ °C
[~97] Initial: <u>93.5</u>	Temp: <u>22.8</u> °C
[~97] Calibrated: <u>26.2</u>	Temp: <u>22.8</u> °C
[~97] Post-deployment: _____	Temp: _____ °C

Conductivity: $\mu\text{S}/\text{cm}$ Conductivity Cell Constant: $[5.0 \pm 0.45]$: _____Buffer Standard Used, $\mu\text{S}/\text{cm}$: 1000 Lot No.: _____Initial: 999.5 Temp: 22.86 °CCalibrated: 1001 Temp: 22.6 °C

Post-deployment: _____ Temp: _____ °C

pH 4 Lot No.: (4.01) BSIpH 7 Lot No.: BT3A (7.00) pH 10 Lot No.: Bu1 (10.01)

pH:

[4] Initial: <u>4.02</u>	Temp: <u>22.9</u> °C
[4] Calibrated: <u>4.01</u>	Temp: <u>22.7</u> °C
[4] Post-deployment: _____	Temp: _____ °C
[7] Initial: <u>7.00</u>	Temp: <u>23.0</u> °C
[7] Calibrated: <u>7.06</u>	Temp: <u>22.9</u> °C
[7] Post-deployment: _____	Temp: _____ °C
[10] Initial: <u>9.99</u>	Temp: <u>22.4</u> °C
[10] Calibrated: <u>10.01</u>	Temp: <u>22.4</u> °C
[10] Post-deployment: _____	Temp: _____ °C

ORP, mV:

ORP Standard Used, mV: 220 Lot. No.: BW1Initial: 220.2 Temp: 22.4 °CCalibrated: 220 Temp: 22.4 °C

Post-deployment: _____ Temp: _____ °C

YSI Calibration Sheet

Killa WC1 Day 14

Sonde ID: _____ Date: 3/1/24 Name: ARNW

Date/Time OK? YES/NO

Battery Volts: _____ (Change if < 10.0 V) Changed batteries? YES/NO

YSI Calibration

Temperature reading: 23.3 °C

*Press Cal after each to complete calibration, not Esc

Dissolved Oxygen: "DO Sat %"

Barometric Pressure: 748.2 mm Hg

Sensor Output Test: Pass/Fail

(For rapid-pulse probes, change membrane if failed)

Record first 10 readings from Discrete Sampling

DO Membrane changed? YES/NO

Probe Re-surfaced?

2-pt calibration:

0% DO: dissolve 1 g sodium sulfate in 50 mL DI

100% DO: 1.4" water, loosen threads on cap to get water saturated air, let equilibrate

[0] Initial: -0.1 Temp: 23 °C[0] Calibrated: 0.0 Temp: 23 °C

[0] Post-deployment: _____ Temp: _____ °C

[~97] Initial: 97.8 Temp: 22.7 °C[~97] Calibrated: 98.5 Temp: 22.8 °C

[~97] Post-deployment: _____ Temp: _____ °C

Conductivity: $\mu\text{S/cm}$ Pica 1001 Conductivity Cell Constant: $[5.0 \pm 0.45]$: _____Buffer Standard Used, $\mu\text{S/cm}$: 1000 Lot No.: _____Initial: 1005 Temp: 23.4 °CCalibrated: 1001 Temp: 23.4 °C

Post-deployment: _____ Temp: _____ °C

pH 4 Lot No.: _____ pH 7 Lot No.: _____ pH 10 Lot No.: _____

pH:

[4] Initial: 4.03 Temp: 23.1 °C[4] Calibrated: 3.98 Temp: 22.9 °C

[4] Post-deployment: _____ Temp: _____ °C

[7] Initial: 7.08 Temp: 22.9 °C[7] Calibrated: 7.07 Temp: 23.0 °C

[7] Post-deployment: _____ Temp: _____ °C

[10] Initial: 9.98 Temp: 23.0 °C[10] Calibrated: 10.00 Temp: 23.0 °C

[10] Post-deployment: _____ Temp: _____ °C

ORP, mV:

ORP Standard Used, mV: 220 Lot. No.: _____Initial: 221.0 Temp: 23.0 °CCalibrated: 220.0 Temp: 23.0 °C

Post-deployment: _____ Temp: _____ °C

YSI Calibration Sheet

1411arney WCL Day 21

Sonde ID: New Sonde Date: 3/7/24 Name: Amw

Date/Time OK? YES/NO

Battery Volts: _____ (Change if < 10.0 V) Changed batteries? YES/NO

YSI Calibration

Temperature reading: 22.5 °C

*Press Cal after each to complete calibration, not Esc

Dissolved Oxygen: "DO Sat %"

Barometric Pressure: 742.1 mm Hg

Sensor Output Test: Pass/Fail (For rapid-pulse probes, change membrane if failed)

Record first 10 readings from Discrete Sampling

DO Membrane changed? YES/NO

Probe Re-surfaced?

2-pt calibration:

0% DO: dissolve 1 g sodium sulfate in 50 mL DI

100% DO: 1.4" water, loosen threads on cap to get water saturated air, let equilibrate

[0] Initial: 0.0 Temp: 22.6 °C

[0] Calibrated: -0.1 Temp: 22.6 °C

[0] Post-deployment: _____ Temp: _____ °C

[~97] Initial: 96.7 Temp: 22.8 °C

[~97] Calibrated: 97.7 Temp: 22.9 °C

[~97] Post-deployment: _____ Temp: _____ °C

Conductivity: µs/cm

Conductivity Cell Constant: [5.0 ± 0.45]: _____

Buffer Standard Used, µs/cm: 1000 Lot No.: _____

Initial: 1000 Temp: 22.35 °C

Calibrated: 1000 Temp: 22.5 °C

Post-deployment: _____ Temp: _____ °C

pH 4 Lot No.: _____ pH 7 Lot No.: _____ pH 10 Lot No.: _____

pH: 4.01 4.02

[4] Initial: 4.05 4.04 4.03 Temp: 22.6 °C

[4] Calibrated: 3.92 Temp: 22.6 °C

[4] Post-deployment: _____ Temp: _____ °C

[7] Initial: 7.06 Temp: 22.8 °C

[7] Calibrated: 7.09 Temp: 22.7 °C

[7] Post-deployment: _____ Temp: _____ °C

[10] Initial: 9.97 Temp: 22.4 °C

[10] Calibrated: 9.99 10.01 Temp: 22.4 °C

[10] Post-deployment: _____ Temp: _____ °C

ORP, mV:

ORP Standard Used, mV: 220 Lot. No.: _____

Initial: 221.1 Temp: 22.5 °C

Calibrated: 220.0 Temp: 22.5 °C

Post-deployment: _____ Temp: _____ °C

*take XAFS samples

YSI Calibration Sheet

Sonde ID: _____ Date: 3/15/24 Name: Amw

Date/Time OK? YES/NO

Battery Volts: _____ (Change if < 10.0 V) Changed batteries? YES/NO

YSI Calibration

Temperature reading: _____ °C

*Press Cal after each to complete calibration, not Esc

Dissolved Oxygen: "DO Sat %"

Barometric Pressure: _____ mm Hg

Sensor Output Test: Pass/Fail (For rapid-pulse probes, change membrane if failed)

Record first 10 readings from Discrete Sampling

DO Membrane changed? YES/NO

Probe Re-surfaced?

2-pt calibration:

0% DO: dissolve 1 g sodium sulfate in 50 mL DI

100% DO: 1.4" water, loosen threads on cap to get water saturated air, let equilibrate

[0] Initial: 0.7 Temp: 24.3 °C

[0] Calibrated: 0.0 Temp: 24.3 °C

[0] Post-deployment: _____ Temp: _____ °C

[~97] Initial: 98.4 Temp: 22.2 °C

[~97] Calibrated: 97.0 Temp: 22.3 °C

[~97] Post-deployment: _____ Temp: _____ °C

Conductivity: $\mu\text{S}/\text{cm}$

Conductivity Cell Constant: $[5.0 \pm 0.45]$: _____

Buffer Standard Used, $\mu\text{S}/\text{cm}$: _____ Lot No.: _____

Initial: 1003 Temp: 23.1 °C

Calibrated: 1000 Temp: 23.1 °C

Post-deployment: _____ Temp: _____ °C

pH 4 Lot No.: _____

pH 7 Lot No.: _____

pH 10 Lot No.: _____

pH:

[4] Initial: 4.30 Temp: 22.9 °C

[4] Calibrated: 4.03 Temp: 22.8 °C

[4] Post-deployment: _____ Temp: _____ °C

[7] Initial: 7.50 Temp: 22.9 °C

[7] Calibrated: 7.07 Temp: 22.9 °C

[7] Post-deployment: _____ Temp: _____ °C

[10] Initial: 10.73 Temp: 23.0 °C

[10] Calibrated: 10.04 Temp: 23.0 °C

[10] Post-deployment: _____ Temp: _____ °C

Ammonia dilutions

2x for SW

50x for DI-D3 porew

undiluted for P1-P3

ORP, mV:

ORP Standard Used, mV: 220mV Lot. No.: _____

Initial: 216.4 Temp: 22.8 °C

Calibrated: 219.9 Temp: 22.8 °C

Post-deployment: _____ Temp: _____ °C

Killarney
W2
Time 0

YSI Calibration Sheet

Sonde ID: New Sonde

Date: 4/18/24

Name: Amw

Date/Time OK? YES/NO

Battery Volts: _____ (Change if < 10.0 V) Changed batteries? YES/NO

YSI Calibration

Temperature reading: 22.8 °C

*Press Cal after each to complete calibration, not Esc

Dissolved Oxygen: "DO Sat %"

Barometric Pressure: 743.3 mm Hg

Sensor Output Test: Pass/Fail

(For rapid-pulse probes, change membrane if failed)

Record first 10 readings from Discrete Sampling

DO Membrane changed? YES/NO

Probe Re-surfaced?

2-pt calibration:

0% DO: dissolve 1 g sodium sulfate in 50 mL DI

100% DO: 1.4" water, loosen threads on cap to get water saturated air, let equilibrate

[0] Initial: -0.3 Temp: 22.8 °C

[0] Calibrated: -0.2 Temp: 22.8 °C

[0] Post-deployment: _____ Temp: _____ °C

[~97] Initial: 97.4 Temp: 22.6 °C

[~97] Calibrated: 97.8 Temp: 22.6 °C

[~97] Post-deployment: _____ Temp: _____ °C

Conductivity: $\mu\text{S}/\text{cm}$

Conductivity Cell Constant: $[5.0 \pm 0.45]$: _____

Buffer Standard Used, $\mu\text{S}/\text{cm}$: 1000 Lot No.: _____

Initial: 1012 Temp: 22.2 °C

Calibrated: 1000 Temp: 22.2 °C

Post-deployment: _____ Temp: _____ °C

pH 4 Lot No.: _____

pH 7 Lot No.: _____

pH 10 Lot No.: _____

pH:

[4] Initial: 4.02 Temp: 22.2 °C

[4] Calibrated: 3.98 Temp: 22.4 °C

[4] Post-deployment: _____ Temp: _____ °C

[7] Initial: 6.95 Temp: 22.2 °C

[7] Calibrated: 7.06 Temp: 22.3 °C

[7] Post-deployment: _____ Temp: 22.3 °C

[10] Initial: 10.03 Temp: 22.2 °C

[10] Calibrated: 10.05 Temp: 22.2 °C

[10] Post-deployment: _____ Temp: _____ °C

ORP, mV:

ORP Standard Used, mV: 225 Lot. No.: _____

Initial: 225.2 Temp: 22.4 °C

Calibrated: 225.0 Temp: 22.4 °C

Post-deployment: _____ Temp: _____ °C

Started flooding 10am
D1-D3
• Took XAFS samples for D1-D3
before flooding
• D2 flooded in 1/2 time as
D1-D3 - more moisture
• Weighed D1-D3 before
flooding
D1 - 2215.6
D2 - 2392.6 - no sensors
D3 - 2326.8
no caps, 2 mm

YSI Calibration Sheet

Sonde ID: New Sonde Date: 4/23/24 Name: Amw

Date/Time OK? YES/NO

Battery Volts: _____ (Change if < 10.0 V) Changed batteries? YES/NO

YSI Calibration

Temperature reading: 22.5 °C

*Press Cal after each to complete calibration, not Esc

Dissolved Oxygen: "DO Sat %"

Barometric Pressure: 738.0 mm Hg

Sensor Output Test: Pass/Fail

(For rapid-pulse probes, change membrane if failed)

Record first 10 readings from Discrete Sampling

DO Membrane changed? YES/NO

Probe Re-surfaced?

2-pt calibration:

0% DO: dissolve 1 g sodium sulfate in 50 mL DI

100% DO: 1.4" water, loosen threads on cap to get water saturated air, let equilibrate

[0] Initial: -0.1 Temp: 22.6 °C

[0] Calibrated: -0.2 Temp: 22.6 °C

[0] Post-deployment: _____ Temp: _____ °C

[~97] Initial: 97.1 Temp: 22.1 °C

[~97] Calibrated: 97.1 Temp: 22.1 °C

[~97] Post-deployment: _____ Temp: _____ °C

Conductivity: $\mu\text{S}/\text{cm}$

Conductivity Cell Constant: $[5.0 \pm 0.45]$: _____

Buffer Standard Used, $\mu\text{S}/\text{cm}$: 1000 Lot No.: _____

Initial: 993.995 Temp: 23.0 °C

Calibrated: 1000 Temp: 23.0 °C

Post-deployment: _____ Temp: _____ °C

pH 4 Lot No.: 4.00

pH 7 Lot No.: _____

pH 10 Lot No.: _____

pH:

[4] Initial: 4.05 Temp: 22.3 °C

[4] Calibrated: 4.00 Temp: 22.3 °C

[4] Post-deployment: _____ Temp: _____ °C

[7] Initial: 7.00 Temp: 22.3 °C

[7] Calibrated: 7.01 Temp: 22.6 °C

[7] Post-deployment: _____ Temp: _____ °C

[10] Initial: 10.03 Temp: 22.2 °C

[10] Calibrated: 10.03 Temp: 22.2 °C

[10] Post-deployment: _____ Temp: _____ °C

ORP, mV:

ORP Standard Used, mV: 225 Lot. No.: _____

Initial: 225.2 Temp: 22.3 °C

Calibrated: 225.0 Temp: 22.3 °C

Post-deployment: _____ Temp: _____ °C

William
w2 Day 17

YSI Calibration Sheet

Sonde ID: New Sonde Date: 5/2/24 Name: Amw

Date/Time OK? YES/NO

Battery Volts: _____ (Change if < 10.0 V) Changed batteries? YES/NO

YSI Calibration

Temperature reading: 23.3 °C

*Press Cal after each to complete calibration, not Esc

Dissolved Oxygen: "DO Sat %"

Barometric Pressure: 741.0 mm Hg

Sensor Output Test: Pass/Fail

(For rapid-pulse probes, change membrane if failed)

Record first 10 readings from Discrete Sampling

DO Membrane changed? YES/NO

Probe Re-surfaced?

2-pt calibration:

0% DO: dissolve 1 g sodium sulfate in 50 mL DI

100% DO: 1.4" water, loosen threads on cap to get water saturated air, let equilibrate

[0] Initial: -0.2 Temp: 23.2 °C

[0] Calibrated: -0.2 Temp: 23.2 °C

[0] Post-deployment: _____ Temp: _____ °C

[~97] Initial: 97.4 Temp: 23.2 °C

[~97] Calibrated: 97.5 Temp: 23.4 °C

[~97] Post-deployment: _____ Temp: _____ °C

Conductivity: $\mu\text{S}/\text{cm}$

Conductivity Cell Constant: $[5.0 \pm 0.45]$: _____

Buffer Standard Used, $\mu\text{S}/\text{cm}$: 1000 Lot No.: _____

Initial: 1001 Temp: 22.7 °C

Calibrated: 1001 Temp: 22.8 °C

Post-deployment: _____ Temp: _____ °C

pH 4 Lot No.: _____

pH 7 Lot No.: _____

pH 10 Lot No.: _____

pH:

[4] Initial: 4.04 Temp: 22.8 °C

[4] Calibrated: 4.03 4.02 Temp: 23.1 °C

[4] Post-deployment: _____ Temp: _____ °C

[7] Initial: 7.01 Temp: 22.7 °C

[7] Calibrated: 7.06 Temp: 22.3 °C

[7] Post-deployment: _____ Temp: _____ °C

[10] Initial: 10.01 Temp: 22.8 °C

[10] Calibrated: 10.02 Temp: 22.8 °C

[10] Post-deployment: _____ Temp: _____ °C

ORP, mV:

ORP Standard Used, mV: 225 Lot. No.: _____

Initial: 224.6 Temp: 23.0 °C

Calibrated: 225.1 Temp: 23.0 °C

Post-deployment: _____ Temp: _____ °C

YSI Calibration Sheet

Killamey WC2 Day 21

Sonde ID: old sondeDate: 5/9/24Name: Amw

Date/Time OK? YES/NO

Battery Volts: _____ (Change if < 10.0 V) Changed batteries? YES/NO

YSI Calibration

Temperature reading: 22.5 °C

*Press Cal after each to complete calibration, not Esc

Dissolved Oxygen: "DO Sat %"

Barometric Pressure: 731.3 mm Hg

Sensor Output Test: Pass/Fail

(For rapid-pulse probes, change membrane if failed)

Record first 10 readings from Discrete Sampling

DO Membrane changed? YES/NO

Probe Re-surfaced?

2-pt calibration:

0% DO: dissolve 1 g sodium sulfate in 50 mL DI

100% DO: 1.4" water, loosen threads on cap to get water saturated air, let equilibrate

[0] Initial: -0.2 Temp: 22.5 °C[0] Calibrated: 0.0 Temp: 22.5 °C

[0] Post-deployment: _____ Temp: _____ °C

[~97] Initial: 98.5 Temp: 19.8 °C[~97] Calibrated: 96.0 Temp: 19.9 °C

[~97] Post-deployment: _____ Temp: _____ °C

Conductivity: $\mu\text{S}/\text{cm}$ Conductivity Cell Constant: $[5.0 \pm 0.45]$: _____Buffer Standard Used, $\mu\text{S}/\text{cm}$: 1000 Lot No.: _____Initial: 991 Temp: 22.8 °CCalibrated: 1000 Temp: 22.8 °C

Post-deployment: _____ Temp: _____ °C

pH 4 Lot No.: _____

pH 7 Lot No.: _____

pH 10 Lot No.: _____

pH:

[4] Initial: 4.36 (after 15 min!) Temp: 22.4 °C[4] Calibrated: 4.03 Temp: 22.4 °C

[4] Post-deployment: _____ Temp: _____ °C

[7] Initial: 7.24 Temp: 22.4 °C[7] Calibrated: 7.00 Temp: 22.4 °C

[7] Post-deployment: _____ Temp: _____ °C

[10] Initial: 10.27 Temp: 22.4 °C[10] Calibrated: 10.00 Temp: 22.4 °C

[10] Post-deployment: _____ Temp: _____ °C

ORP, mV:

ORP Standard Used, mV: 220 Lot. No.: _____Initial: 218.5 Temp: 22.5 °CCalibrated: 220.0 Temp: 22.7 °C

Post-deployment: _____ Temp: _____ °C

Day 28
Harney W2

YSI Calibration Sheet

Sonde ID: _____ Date: 5/16/21 Name: Amw

Date/Time OK? YES/NO

Battery Volts: _____ (Change if < 10.0 V) Changed batteries? YES/NO

YSI Calibration

Temperature reading: 22.8 °C

*Press Cal after each to complete calibration, not Esc

Dissolved Oxygen: "DO Sat %"

Barometric Pressure: 732.9 mm Hg

Sensor Output Test: Pass/Fail

(For rapid-pulse probes, change membrane if failed)

Record first 10 readings from Discrete Sampling

DO Membrane changed? YES/NO

Probe Re-surfaced?

2-pt calibration:

0% DO: dissolve 1 g sodium sulfate in 50 mL DI

100% DO: 1.4" water, loosen threads on cap to get water saturated air, let equilibrate

[0] Initial: -1.0

Temp: 22.8 °C

[0] Calibrated: 0.0

Temp: 22.8 °C

[0] Post-deployment: _____

Temp: _____ °C

[~97] Initial: 1041.9 97.4

Temp: 18.4 °C 20.7

[~97] Calibrated: 95.6

Temp: 21.0 °C

[~97] Post-deployment: _____

Temp: _____ °C

Conductivity: $\mu\text{S}/\text{cm}$

Conductivity Cell Constant: $[5.0 \pm 0.45]$: _____

Buffer Standard Used, $\mu\text{S}/\text{cm}$: 1000 Lot No.: _____

Initial: 995.1

Temp: 22.1 °C

Calibrated: 1000

Temp: 22.1 °C

Post-deployment: _____

Temp: _____ °C

pH 4 Lot No.: 4.00

pH 7 Lot No.: _____

pH 10 Lot No.: _____

pH:

[4] Initial: 4.02 3.82

Temp: 22.1 °C

[4] Calibrated: 4.02

Temp: _____ °C

[4] Post-deployment: _____

Temp: _____ °C

[7] Initial: 7.02 6.78

Temp: 22.4 °C

[7] Calibrated: 7.02

Temp: 22.4 °C

[7] Post-deployment: _____

Temp: _____ °C

[10] Initial: 10.02 9.80

Temp: 22.2 °C

[10] Calibrated: 10.02

Temp: 22.2 °C

[10] Post-deployment: _____

Temp: _____ °C

ORP, mV:

ORP Standard Used, mV: 225 Lot. No.: _____

Initial: 226.7

Temp: 22.5 °C

Calibrated: 225.1

Temp: 22.5 °C

Post-deployment: _____

Temp: _____ °C

YSI Calibration Sheet

Sonde ID: New sonde Date: 6/20/24

Name: Amw

Date/Time OK? YES/NO

Battery Volts: _____ (Change if < 10.0 V) Changed batteries? YES/NO

YSI Calibration

Temperature reading: 22.0 °C

*Press Cal after each to complete calibration, not Esc

Dissolved Oxygen: "DO Sat %"

Sensor Output Test: Pass/Fail

(For rapid-pulse probes, change membrane if failed)

Record first 10 readings from Discrete Sampling

DO Membrane changed? YES/NO

Probe Re-surfaced?

2-pt calibration:

0% DO: dissolve 1 g sodium sulfate in 50 mL DI

100% DO: 1.4" water, loosen threads on cap to get water saturated air, let equilibrate

[0] Initial: -0.1 Temp: 27.0 °C

[0] Calibrated: -0.4 Temp: 27.0 °C

[0] Post-deployment: _____ Temp: _____ °C

[~97] Initial: 97.0 Temp: 26.4 °C

[~97] Calibrated: 98.4 Temp: 26.3 °C

[~97] Post-deployment: _____ Temp: _____ °C

Conductivity: µs/cm

Conductivity Cell Constant: [5.0 ± 0.45]: _____

Buffer Standard Used, µs/cm: 1000 Lot No.: _____

Initial: 940 973 Temp: 25.7 °C

Calibrated: 1000 Temp: 25.7 °C

Post-deployment: _____ Temp: _____ °C

pH 4 Lot No.: _____

pH 7 Lot No.: _____

pH 10 Lot No.: _____

pH:

[4] Initial: 4.046 Temp: 25.5 °C

[4] Calibrated: 4.04 Temp: 25.4 °C

[4] Post-deployment: _____ Temp: _____ °C

[7] Initial: 6.98 Temp: 25.0 °C

[7] Calibrated: 7.08 Temp: 25.2 °C

[7] Post-deployment: _____ Temp: _____ °C

[10] Initial: 10.11 Temp: 25.4 °C

[10] Calibrated: 10.03 Temp: 25.4 °C

[10] Post-deployment: _____ Temp: _____ °C

ORP, mV:

ORP Standard Used, mV: 220 Lot. No.: _____

Initial: 222.1 Temp: 25.1 °C

Calibrated: 220.0 Temp: 25.1 °C

Post-deployment: _____ Temp: _____ °C

YSI Calibration Sheet

Killamey W3 Day 6

Sonde ID: New Sonde Date: 6/26/24 Name: Amw
Date/Time OK? YES/NO
Battery Volts: _____ (Change if < 10.0 V) Changed batteries? YES/NO

YSI Calibration

Temperature reading: 23.0 °C

*Press Cal after each to complete calibration, not Esc

Dissolved Oxygen: "DO Sat %"

Barometric Pressure: 737.5 mm Hg

Sensor Output Test: Pass/Fail

(For rapid-pulse probes, change membrane if failed)

Record first 10 readings from Discrete Sampling

DO Membrane changed? YES/NO

Probe Re-surfaced?

2-pt calibration:

0% DO: dissolve 1 g sodium sulfate in 50 mL DI

100% DO: 1.4" water, loosen threads on cap to get water saturated air, let equilibrate

[0] Initial: <u>0.0</u>	Temp: <u>23.9</u> °C
[0] Calibrated: <u>0.3</u>	Temp: <u>23.7</u> °C
[0] Post-deployment: _____	Temp: _____ °C
[~97] Initial: <u>95.3</u>	Temp: <u>24</u> °C
[~97] Calibrated: <u>97.1</u>	Temp: <u>24.1</u> °C
[~97] Post-deployment: _____	Temp: _____ °C

Conductivity: $\mu\text{S}/\text{cm}$ Conductivity Cell Constant: $[5.0 \pm 0.45]$: _____Buffer Standard Used, $\mu\text{S}/\text{cm}$: 1000 Lot No.: _____Initial: 989 Temp: 24.0 °CCalibrated: 1000 Temp: 24.0 °C

Post-deployment: _____ Temp: _____ °C

pH 4 Lot No.: _____

pH 7 Lot No.: _____

pH 10 Lot No.: _____

pH:

[4] Initial: <u>4.13</u>	Temp: <u>23.6</u> °C
[4] Calibrated: <u>4.03</u>	Temp: <u>23.6</u> °C
[4] Post-deployment: _____	Temp: _____ °C
[7] Initial: <u>7.04</u>	Temp: <u>23.5</u> °C
[7] Calibrated: <u>7.04</u>	Temp: <u>23.5</u> °C
[7] Post-deployment: _____	Temp: _____ °C
[10] Initial: <u>10.00</u>	Temp: <u>23.5</u> °C
[10] Calibrated: <u>10.03</u>	Temp: <u>23.5</u> °C
[10] Post-deployment: _____	Temp: _____ °C

ORP, mV:

ORP Standard Used, mV: 200 Lot. No.: _____Initial: 217.6 Temp: 23.5 °CCalibrated: 219.8 Temp: 23.5 °C

Post-deployment: _____ Temp: _____ °C

YSI Calibration Sheet

Sonde ID: New Sonde Date: 7/3/21 Name: AMW

Date/Time OK? YES/NO

Battery Volts: _____ (Change if < 10.0 V) Changed batteries? YES/NO

YSI Calibration

Temperature reading: _____ °C

*Press Cal after each to complete calibration, not Esc

Dissolved Oxygen: "DO Sat %"

Barometric Pressure: 741.6 mm Hg

Sensor Output Test: Pass/Fail

(For rapid-pulse probes, change membrane if failed)

Record first 10 readings from Discrete Sampling

DO Membrane changed? YES/NO

Probe Re-surfaced?

2-pt calibration:

0% DO: dissolve 1 g sodium sulfate in 50 mL DI

100% DO: 1.4" water, loosen threads on cap to get water saturated air, let equilibrate

[0] Initial: -1.3 Temp: 24.3 °C

[0] Calibrated: -0.3 Temp: 24.3 °C

[0] Post-deployment: _____ Temp: _____ °C

[~97] Initial: 102.2 Temp: 24.0 °C

[~97] Calibrated: 97.6 Temp: 24.1 °C

[~97] Post-deployment: _____ Temp: _____ °C

Conductivity: $\mu\text{S}/\text{cm}$

Conductivity Cell Constant: $[5.0 \pm 0.45]$: _____

Buffer Standard Used, $\mu\text{S}/\text{cm}$: 1000 Lot No.: _____

Initial: 1035 Temp: 24.1 °C

Calibrated: 1000 Temp: 24.1 °C

Post-deployment: _____ Temp: _____ °C

pH 4 Lot No.: _____

pH 7 Lot No.: _____

pH 10 Lot No.: _____

pH:

[4] Initial: 3.96 Temp: 23.9 °C

[4] Calibrated: 3.98 Temp: 24.0 °C

[4] Post-deployment: _____ Temp: _____ °C

[7] Initial: 7.04 Temp: 23.7 °C

[7] Calibrated: 7.03 Temp: 23.9 °C

[7] Post-deployment: _____ Temp: _____ °C

[10] Initial: 10.12 Temp: 23.8 °C

[10] Calibrated: 10.01 Temp: 23.8 °C

[10] Post-deployment: _____ Temp: _____ °C

ORP, mV:

ORP Standard Used, mV: 220 Lot. No.: _____

Initial: 223.2 Temp: 23.7 °C

Calibrated: 220.0 Temp: 23.7 °C

Post-deployment: _____ Temp: _____ °C

YSI Calibration Sheet

Sonde ID: 22E104137

Date: 7/12/24

Name: Louisa

Date/Time OK? YES/NO

Battery Volts: _____ (Change if < 10.0 V) Changed batteries? ☒ YES/NO

YSI Calibration

Temperature reading: 22.4 °C 743.7 mmHg

*Press Cal after each to complete calibration, not Esc

Dissolved Oxygen: "DO Sat %"

Barometric Pressure: 743.7 mm Hg

Sensor Output Test: Pass/Fail

(For rapid-pulse probes, change membrane if failed)

Record first 10 readings from Discrete Sampling

DO Membrane changed? YES/NO

Probe Re-surfaced?

2-pt calibration:

0% DO: dissolve 1 g sodium sulfate in 50 mL DI

100% DO: 1.4" water, loosen threads on cap to get water saturated air, let equilibrate

[0] Initial: 0

Temp: _____ °C

[0] Calibrated: 0

Temp: _____ °C

[0] Post-deployment: _____

Temp: _____ °C

[~97] Initial: 98.6

Temp: _____ °C

[~97] Calibrated: 97.0

Temp: _____ °C

[~97] Post-deployment: _____

Temp: _____ °C

Conductivity: $\mu\text{S}/\text{cm}$

Conductivity Cell Constant: $[5.0 \pm 0.45]$: _____

Buffer Standard Used, $\mu\text{S}/\text{cm}$: 1000 Lot No.: _____

Initial: 1001

Temp: _____ °C

Calibrated: 997

Temp: _____ °C

Post-deployment: _____

Temp: _____ °C

pH 4 Lot No.: _____

pH 7 Lot No.: _____

pH 10 Lot No.: _____

pH:

[4] Initial: 3.98

Temp: _____ °C

[4] Calibrated: 4.00

Temp: _____ °C

[4] Post-deployment: _____

Temp: _____ °C

[7] Initial: 6.94

Temp: _____ °C

[7] Calibrated: 7.01

Temp: _____ °C

[7] Post-deployment: _____

Temp: _____ °C

[10] Initial: 9.97

Temp: _____ °C

[10] Calibrated: 10.03

Temp: _____ °C

[10] Post-deployment: _____

Temp: _____ °C

ORP, mV:

ORP Standard Used, mV: 220 Lot. No.: _____

Initial: 219.2

Temp: _____ °C

Calibrated: 220

Temp: _____ °C

Post-deployment: _____

Temp: _____ °C

Killarney Day 28 End of Wet Cycle 3
porewater + surface water

YSI Calibration Sheet

Sonde ID: 22E104137 Date: 7/22/24 Name: Luxton

Date/Time OK? YES/NO

Battery Volts: _____ (Change if < 10.0 V) Changed batteries? YES/NO

YSI Calibration

Temperature reading: 23.5 °C

*Press Cal after each to complete calibration, not Esc

Dissolved Oxygen: "DO Sat %"

Barometric Pressure: 741.6 mm Hg

Sensor Output Test: Pass/Fail (For rapid-pulse probes, change membrane if failed)

Record first 10 readings from Discrete Sampling

DO Membrane changed? YES/NO

Probe Re-surfaced?

2-pt calibration:

0% DO: dissolve 1 g sodium sulfate in 50 mL DI

100% DO: 1.4" water, loosen threads on cap to get water saturated air, let equilibrate

[0] Initial: -0.7% Temp: 23.5 °C

[0] Calibrated: 0.0% Temp: 23.5 °C

[0] Post-deployment: _____ Temp: _____ °C

[~97] Initial: 101.3% Temp: 22.6 °C

[~97] Calibrated: 97.6% Temp: 22.6 °C

[~97] Post-deployment: _____ Temp: _____ °C

Conductivity: $\mu\text{S}/\text{cm}$

Conductivity Cell Constant: $[5.0 \pm 0.45]$: _____

Buffer Standard Used, $\mu\text{S}/\text{cm}$: 1000 Lot No.: _____

Initial: 980 Temp: 22.5 °C

Calibrated: 1000 Temp: 22.5 °C

Post-deployment: _____ Temp: _____ °C

pH 4 Lot No.: _____

pH 7 Lot No.: _____

pH 10 Lot No.: _____

pH:

[4] Initial: 4.13 Temp: 22.5 °C

[4] Calibrated: 4.00 Temp: 22.5 °C

[4] Post-deployment: _____ Temp: _____ °C

[7] Initial: 7.04 Temp: 22.5 °C

[7] Calibrated: 7.01 Temp: 22.5 °C

[7] Post-deployment: _____ Temp: _____ °C

[10] Initial: 10.05 Temp: 22.6 °C

[10] Calibrated: 10.03 Temp: 22.6 °C

[10] Post-deployment: _____ Temp: _____ °C

ORP, mV:

ORP Standard Used, mV: _____ Lot. No.: _____

Initial: 220.6 Temp: 22.6 °C

Calibrated: 220 Temp: 22.6 °C

Post-deployment: _____ Temp: _____ °C