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Erratum—Temporal and Spatial Dynamics of Ice-Covered Upper Dumbell Lake (Ellesmere Island, Arctic Canada) during the Summer of 1959

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Table 1 in the original paper (Apollonio and Saros, 2014) contained several errors in Table 1. The table and caption should be replaced with the following version. Where a place in the ta-

ble no longer contains a number, that number has been struck through. Several other numbers have been changed. All changes are in bold.

TABLE 1

Physical, chemical, and biological metrics of the water column of Upper Dumbell Lake over the summer of 1959. Temp = temperature; PAR = photosynthetically active radiation; DO = dissolved oxygen; Alk = alkalinity; Chloro = chlorophyll; SRP = soluble reactive phosphorus; dSi = dissolved silica.

| Date | Depth (m) | Temp (°C) | PAR ($\mu\text{E m}^{-2} \text{s}^{-1}$) | DO (mg L ⁻¹) | Alk (meq L ⁻¹) | pH | Chloro ($\mu\text{g L}^{-1}$) | Nitrate ($\mu\text{g L}^{-1}$) | SRP ($\mu\text{g L}^{-1}$) | dSi ($\mu\text{g L}^{-1}$) |
|---------|-----------|-----------|--|--------------------------|----------------------------|----|---------------------------------|----------------------------------|------------------------------|------------------------------|
| 4 July | 2 | 2.2 | 102 | 12.8 | | | 0 | 27 | <5 | |
| | 5 | 2.2 | 61 | 13.3 | | | 0.20 | 12 | <5 | |
| | 10 | 2.2 | 28 | 13.3 | | | 0.30 | 10 | <5 | |
| | 15 | 2.5 | 14 | 13.8 | | | 0.45 | 13 | <5 | |
| | 20 | 2.8 | 8 | 13.5 | | | 0.60 | 16 | <5 | |
| 6 July | 2 | 3.3 | 107 | | | | 0.35 | 24 | <5 | |
| | 5 | 2.8 | 56 | | | | 0.40 | 24 | <5 | |
| | 10 | 2.8 | 29 | | | | 0.40 | 22 | <5 | |
| | 15 | 2.8 | 14 | | | | 0.40 | 20 | <5 | |
| 9 July | 2 | 5 | 107 | 11.9 | | | 0.80 | 14 | <5 | |
| | 5 | 3.3 | 50 | 13.8 | | | 0.60 | 12 | <5 | |
| | 10 | 3.3 | 26 | 13.8 | | | 0.65 | 12 | <5 | |
| | 15 | 3.1 | 15 | 13.9 | | | 0.40 | 11 | 6 | |
| | 20 | 3.1 | 8 | 13.8 | | | 0.50 | 11 | 7 | |
| | 25 | 3.1 | 5 | | | | | | | |
| 11 July | 2 | | 122 | 12.2 | | | 0.25 | 27 | 22 | |
| | 5 | | 71 | 13.7 | | | 0.10 | 18 | 16 | |
| | 10 | | 39 | 13.7 | | | 0.10 | 18 | 25 | |
| | 15 | | 20 | | | | 0.10 | 24 | 11 | |
| | 20 | | 11 | 11.6 | | | 0.11 | | | |
| | 25 | | 7 | 11.6 | | | 0.85 | 50 | 25 | |
| 14 July | 2 | | 94 | 12.6 | | | 0.45 | 14 | <5 | |
| | 5 | | 39 | 13.8 | | | 0.60 | 13 | <5 | |

TABLE 1
Continued

| Date | Depth (m) | Temp (°C) | PAR ($\mu\text{E m}^{-2} \text{s}^{-1}$) | DO (mg L^{-1}) | Alk (meq L^{-1}) | pH | Chloro ($\mu\text{g L}^{-1}$) | Nitrate ($\mu\text{g L}^{-1}$) | SRP ($\mu\text{g L}^{-1}$) | dSi ($\mu\text{g L}^{-1}$) |
|---------|-----------|-----------|--|---------------------------|-----------------------------|----------------|---------------------------------|----------------------------------|------------------------------|------------------------------|
| 16 July | 10 | | 19 | 14.0 | | | | 12 | <5 | |
| | 15 | | 10 | 14.0 | | | 0.70 | 12 | <5 | |
| | 20 | | 5 | | | | | | | |
| | 25 | | 3 | 11.9 | | | 0.45 | 31 | <5 | |
| | 2 | 4.7 | 71 | 12.7 | | | 0.50 | 14 | <5 | |
| | 5 | 3.9 | 69 | 14.0 | | | 0.10 | 15 | <5 | |
| | 10 | 3.9 | 24 | 14.0 | | | 0.45 | 15 | <5 | |
| | 15 | 3.9 | 13 | 14.1 | | | 0.55 | 15 | <5 | |
| | 20 | 4.1 | 7 | | | | | | | |
| 19 July | 25 | 4.1 | 4 | 12.0 | | | 0.90 | 36 | 9 | |
| | 2 | | 39 | 12.8 | | | 0.40 | 13 | <5 | |
| | 5 | | 23 | 13.8 | | | 0.45 | 13 | 24 | |
| | 10 | | 12 | 13.9 | | | 0.75 | 13 | <5 | |
| | 15 | | 6 | 13.9 | | | 0.60 | 12 | <5 | |
| | 20 | | 3 | | | | | | | |
| | 25 | | 2 | 13.0 | | | 0.55 | 17 | <5 | |
| | 2 | 4.3 | 13 | 13.2 | | | | 13 | <5 | <5 |
| | 5 | 4.3 | 7 | 14.2 | | | 0.95 | 13 | <5 | 311 |
| 22 July | 10 | 4.2 | 3 | 14.0 | | | 0.70 | 13 | <5 | 316 |
| | 15 | 4.2 | 2 | 14.1 | | | 0.75 | | | 316 |
| | 20 | 4.2 | 1 | | | | | | | |
| | 25 | 4.2 | 1 | 13.4 | | | 0.60 | 13 | <5 | 342 |
| | 2 | | 81 | | | | 0.35 | 13 | <5 | <5 |
| | 5 | | 58 | 14.0 | | | 0.75 | 12 | <5 | 322 |
| | 10 | | 19 | 13.9 | | | | 15 | <5 | 328 |
| | 15 | | 13 | 14.0 | | | 0.55 | 15 | <5 | 342 |
| | 20 | | 8 | | | | | | | |
| 29 July | 25 | | 5 | 13.9 | | | 0.45 | 16 | <5 | 342 |
| | 2 | | 50 | 12.9 | 0.80 | 7.7 | 0.15 | 7 | <5 | |
| | 5 | | 31 | 14.4 | 1.36 | 8.1 | 1.25 | 6 | <5 | |
| | 10 | | 15 | 14.3 | 1.36 | 8.1 | 0.75 | 6 | <5 | |
| | 15 | | 8 | 14.5 | | 8.1 | 0.65 | 7 | <5 | |
| | 20 | | 4 | | | | | | | |
| | 25 | | 3 | 14.5 | | 8.1 | 0.70 | 7 | <5 | |
| | 2 | | 86 | 13.2 | 0.75 | 7.6 | 0.35 | <5 | 16 | |
| | 5 | | 53 | 14.6 | 1.37 | 8.2 | 0.95 | <5 | 16 | |
| 1 Aug | 10 | | 28 | 14.5 | 1.37 | 7.9 | 1.22 | <5 | 22 | |
| | 15 | | 14 | 14.5 | 1.37 | 8.2 | 0.95 | <5 | 28 | |
| | 20 | | 8 | | | | | | | |
| | 25 | | 4 | 14.4 | 1.37 | | | <5 | 41 | |
| | 1 | | 43 | | | | | | | |
| | 2 | | 28 | 12.7 | 0.60 | 7.7 | 0.65 | <5 | <5 | <5 |
| | 5 | | 23 | | 1.34 | 8.2 | 0.85 | <5 | <5 | 260 |

TABLE 1
Continued

| Date | Depth (m) | Temp (°C) | PAR ($\mu\text{E m}^{-2} \text{s}^{-1}$) | DO (mg L ⁻¹) | Alk (meq L ⁻¹) | pH | Chloro ($\mu\text{g L}^{-1}$) | Nitrate ($\mu\text{g L}^{-1}$) | SRP ($\mu\text{g L}^{-1}$) | dSi ($\mu\text{g L}^{-1}$) |
|--------|-----------|-----------|--|--------------------------|----------------------------|------------|---------------------------------|----------------------------------|------------------------------|------------------------------|
| 6 Aug | 10 | | 12 | 14.1 | 1.36 | 8.2 | 1.05 | <5 | <5 | 266 |
| | 15 | | 6 | 14.1 | 1.34 | | 0.80 | <5 | <5 | 272 |
| | 20 | | 3 | | | | | | | |
| | 23 | | 2 | 14.1 | 1.35 | | 0.50 | <5 | <5 | 350 |
| | 1 | | 81 | | | | | | | |
| | 2 | | 79 | 12.6 | 0.68 | 7.7 | 0.50 | 10 | <5 | |
| | 5 | | 39 | 14.4 | 1.36 | 8.2 | 0.70 | 28 | <5 | |
| | 10 | | 18 | 14.7 | 1.36 | 8.2 | 0.70 | 18 | <5 | |
| | 15 | | 9 | | 1.36 | | 0.75 | 18 | <5 | |
| | 20 | | 5 | | | | | | | |
| 10 Aug | 23 | | 3 | | 1.36 | | 0.60 | 18 | <5 | |
| | 1 | | 91 | | | | | | | |
| | 2 | | 84 | 13.8 | 0.96 | 8.0 | 0.50 | 6 | 6 | 364 |
| | 5 | | 58 | | 1.35 | 8.2 | 0.75 | 6 | <5 | 518 |
| | 10 | | 31 | 13.8 | 1.38 | 8.2 | 0.85 | 11 | <5 | 532 |
| | 15 | | 17 | 13.9 | 1.38 | 8.2 | 1.00 | 7 | <5 | 546 |
| | 20 | | 9 | | 1.37 | 8.2 | 0.75 | 10 | <5 | |
| | 23 | | 6 | | | | | | | 546 |
| | 1 | | 21 | 13.2 | | | | | | |
| | 2 | | 21 | 14.4 | 0.90 | 7.8 | 0 | 10 | <5 | |
| 13 Aug | 5 | | 14 | 14.3 | 1.35 | 8.2 | 0.60 | 10 | <5 | |
| | 10 | | 7 | | 1.36 | 8.2 | 0.70 | 10 | <5 | |
| | 15 | | 3 | | 1.38 | 8.2 | 0.65 | 10 | <5 | |
| | 20 | | 2 | | | | | | | |
| | 23 | | 1 | | 1.40 | 8.2 | 0.65 | 12 | <5 | |
| | 1 | | 30 | | | | | | | |
| | 2 | | 30 | 13.1 | 1.02 | 7.9 | | 7 | <5 | |
| | 5 | | 13 | 13.6 | 1.20 | 8.2 | 0.80 | 8 | <5 | |
| | 10 | | 5 | 14.3 | 1.38 | 8.2 | 0.80 | 10 | <5 | |
| | 15 | | 2 | | 1.38 | 8.2 | 0.55 | 10 | <5 | |
| 16 Aug | 20 | | 1 | | | 8.2 | 0.55 | 10 | <5 | |
| | 23 | | 1 | | 1.38 | 8.2 | 0.25 | | | |
| | 1 | | 30 | 14.0 | 0.72 | 8.0 | 0.15 | <5 | 9 | |
| | 2 | | 23 | | | 8.0 | | | | <5 |
| | 5 | | 6 | 15.2 | 1.17 | 8.2 | 1.10 | <5 | <5 | 336 |
| | 10 | | 4 | 16.6 | 1.39 | 8.2 | 0.80 | <5 | <5 | 840 |
| | 15 | | 2 | | 1.39 | 8.2 | 0.55 | <5 | <5 | 868 |
| | 20 | | 1 | | | | | <5 | | |
| | 23 | | 1 | 13.5 | 1.39 | 8.2 | 0.40 | <5 | 6 | 868 |
| | 1 | | 38 | 13.5 | 0.62 | 8.1 | 0.65 | 7 | 5 | |
| 22 Aug | 5 | | 13 | 15.0 | 1.12 | 8.2 | 1.30 | 10 | <5 | |
| | 10 | | 4 | 15.7 | 1.32 | 8.2 | 0.80 | 10 | <5 | |
| | 15 | | 2 | | 1.33 | 8.2 | 0.20 | 11 | <5 | |

TABLE 1
Continued

| Date | Depth (m) | Temp (°C) | PAR ($\mu\text{E m}^{-2} \text{s}^{-1}$) | DO (mg L^{-1}) | Alk (meq L^{-1}) | pH | Chloro ($\mu\text{g L}^{-1}$) | Nitrate ($\mu\text{g L}^{-1}$) | SRP ($\mu\text{g L}^{-1}$) | dSi ($\mu\text{g L}^{-1}$) |
|--------|--------------|--------------|---|------------------------------|--------------------------------|-----|------------------------------------|-------------------------------------|---------------------------------|---------------------------------|
| 25 Aug | 23 | | 1 | 13.2 | 1.34 | 8.2 | 0.40 | 13 | <5 | |
| | 1 | 1.4 | 29 | 13.2 | | | 0.95 | 6 | <5 | 364 |
| | 5 | 3.2 | 8 | 13.5 | | | 1.50 | 6 | <5 | 420 |
| | 10 | 3.3 | 3 | 14.2 | | | 0.40 | 10 | <5 | 532 |
| | 15 | 3.4 | 1 | | | | 0.60 | 10 | <5 | 532 |
| 27 Aug | 23 | 3.4 | 0 | | | | | 11 | <5 | 532 |
| | 1 | 1.7 | 36 | 13.1 | 0.92 | 8.1 | 1.60 | <5 | <5 | |
| | 5 | 3.4 | 8 | 13.9 | 1.17 | 8.2 | 1.25 | 6 | <5 | |
| | 10 | 3.5 | 3 | 14.4 | 1.36 | 8.2 | 0.45 | 10 | <5 | |
| | 15 | 3.5 | 1 | | 1.36 | 8.2 | 1.10 | 10 | <5 | |
| 2 Sept | 23 | 3.4 | 0 | | 1.34 | 8.2 | 0.40 | 10 | <5 | |
| | 1 | 1.3 | 23 | | 1.05 | 8.2 | 1.65 | <5 | <5 | 392 |
| | 5 | 2.2 | 2 | 13.8 | 1.15 | 8.2 | 1.25 | 6 | <5 | 426 |
| | 10 | 3.6 | 1 | 14.3 | 1.34 | | 0.45 | 6 | <5 | 532 |
| | 15 | 3.4 | 0 | | 1.36 | 8.2 | 1.10 | 10 | <5 | 532 |
| | 23 | 3.4 | 0 | | 1.36 | 8.2 | 0.40 | 13 | <5 | 532 |

Reference Cited

- Apollonio, S., and Saros, J. E., 2014: Temporal and spatial dynamics of ice-covered Upper Dumbell Lake (Ellesmere Island, Arctic Canada) during the summer of 1959. *Arctic, Antarctic, and Alpine Research*, 46(2): 293–307.