**Table S18**. Metal concentration significant variations across depths for all cores per location.X denotes significant Kruskal-Wallace test results. No Wilcoxon pairwise with Holm correction follow-ups were significant.

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|   | **Dania Cutoff Canal** | **Park Education Center** | **Park Headquarters** | **South Turning Basin** | **West Lake** |
| **Mo** | X | X | X |   |   |
| **Cd** | X |   |   |   |   |
| **Hg** |   |   |   |   |   |
| **Pb** | X |   | X |   |   |
| **V** | X |   | X |   |   |
| **Cr** | X |   |   |   |   |
| **Mn** | X |   |   |   |   |
| **Co** |   |   | X |   | X |
| **Ni** | X |   | X |   |   |
| **Zn** | X |   |   |   |   |
| **Cu** |   |   | X |   | X |
| **Sn** |   |   | X |   |   |
| **As** | X |   | X |   |   |
| **Se** |   |   | X |   |   |