Supplemental Materials 7. *Results of ANOVA comparing percent medium sand (0.125 – 0.25 mm) by site feature. Highlighted cells indicate statistically significant results (p<0.05).*

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| --- | --- | --- | --- | --- | --- |
| Test for equal means: | Sum of sqrs | df | Mean square | F | p (same) |
| Between groups: | 3866.05 | 3 | 1288.68 | 13.61 | 5.43E-07 |
| Within groups: | 6152.41 | 65 | 94.6525 | Permutation p (n=99999) |  |
| Total: | 10018.5 | 68 | 2.00E-05 |  |  |

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| --- | --- | --- | --- | --- |
| 95% CI for group differences (multiple-t) | bird mound | sub-mound shell platform | shoreline ridge | platform mound |
| bird mound |  | -33.78; -5.914 | -34.73; -6.539 | -18.15; 7.005 |
| sub-mound shell platform | 5.914; 33.78 |  | -11.38; 9.813 | 5.796; 22.75 |
| shoreline ridge | 6.539; 34.73 | -9.813; 11.38 |  | 6.32; 23.8 |
| platform mound | -7.005; 18.15 | -22.75; -5.796 | -23.8; -6.32 |  |

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| --- | --- | --- | --- | --- |
| Tukey's Q/p(same) | bird mound | sub-mound shell platform | shoreline ridge | platform mound |
| bird mound |  | 1.39E-03 | 0.0009779 | 0.6256 |
| sub-mound shell platform | 5.482 |  | 0.9971 | 1.24E-04 |
| shoreline ridge | 5.634 | 0.2853 |  | 8.42E-05 |
| platform mound | 1.705 | 6.479 | 6.632 |  |

|  |  |
| --- | --- |
| Kruskal-Wallis test for equal medians |  |
| H (chi2): | 22.57 |
| Hc (tie corrected): | 22.57 |
| p (same): | 4.97E-05 |
| There is a significant difference between sample medians | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Mann-Whitney pairwise Bonferroni significance | bird mound | sub-mound shell platform | shoreline ridge | platform mound |
| bird mound |  | 0.00778 | 0.0307 | 0.04385 |
| sub-mound shell platform | 0.00778 |  | 0.849 | 1.01E-04 |
| shoreline ridge | 0.0307 | 0.849 |  | 0.004969 |
| platform mound | 0.04385 | 1.01E-04 | 0.004969 |  |

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| --- | --- | --- | --- | --- |
| Dunn's Post Hoc Bonferroni significance | bird mound | sub-mound shell platform | shoreline ridge | platform mound |
| bird mound |  | 0.0005085 | 0.001781 | 0.1383 |
| sub-mound shell platform | 0.0005085 |  | 0.6781 | 4.42E-04 |
| shoreline ridge | 0.001781 | 0.6781 |  | 0.003665 |
| platform mound | 0.1383 | 4.42E-04 | 0.003665 |  |