Table S10. One-way ANOVA with post-hoc Tukey HSD and Bonferroni correction values, with all populations. LWR and UPR are abbreviations for the lower and upper confidence limits for the expected values, respectively.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Populations | LWR | UPR | *p* | Bonferroni correction |
| Sonora, MX – Black Gap WMA | -0.057585119 | -0.078554001 | -0.036616236 | 0 |
| Sonora, MX – Dove | -0.060742853 | -0.086475289 | -0.035010416 | 0 |
| Sonora, MX – Elephant Mtn WMA | -0.051693824 | -0.071002582 | -0.032385066 | 0 |
| Sonora, MX – Sierra Diablo WMA | -0.050425564 | -0.070905594 | -0.029945533 | 0 |
| Muddy Mtns, NV – Sonora, MX | 0.051518844 | 0.030829187 | 0.072208502 | 0 |
| Gabbs Valley, NV – Sonora, MX | 0.055167858 | 0.03380846 | 0.076527257 | 0 |
| Sonora, MX –Elephant Mtn WMA2000 | -0.051312796 | -0.07458866 | -0.028036931 | 8.47578E-12 |
| Sonora, MX – Taos Pueblo, NM | -0.05545082 | -0.081183256 | -0.029718383 | 3.34404E-11 |
| Sonora, MX – Van Horn | -0.040936329 | -0.061152673 | -0.020719985 | 7.23971E-10 |
| Arizona – Sonora, MX | 0.043876681 | 0.020600816 | 0.067152546 | 1.58099E-08 |
| Sonora, MX – Beaches | -0.04233523 | -0.065611094 | -0.019059365 | 6.41975E-08 |
| Southern CA – Black Gap WMA | -0.02834895 | -0.044445702 | -0.012252198 | 2.10853E-07 |
| Southern CA – Elephant Mtn WMA | -0.022457655 | -0.036322701 | -0.008592609 | 3.41982E-06 |
| Southern CA – Gabbs Valley, NV | -0.02593169 | -0.042533957 | -0.009329423 | 1.01029E-05 |
| Sonora, MX – Baylor | -0.034662632 | -0.057938497 | -0.011386768 | 3.76286E-05 |
| Van Horn – Black Gap WMA | -0.01664879 | -0.027875549 | -0.005422031 | 4.20241E-05 |
| Ord Mtn, CA – Sonora, MX | 0.068440527 | 0.021888798 | 0.114992256 | 5.25756E-05 |
| Southern CA – Dove | -0.031506684 | -0.05345138 | -0.009561989 | 9.54884E-05 |
| Baylor – Black Gap WMA | -0.022922486 | -0.039019238 | -0.006825735 | 0.000116554 |
| Southern CA – Muddy Mtns, NV | -0.022282676 | -0.03801396 | -0.006551391 | 0.000132553 |
| Van Horn – Elephant Mtn WMA | -0.010757495 | -0.018449972 | -0.003065018 | 0.000179417 |
| Southern CA – Sierra Diablo WMA | -0.021189395 | -0.036643942 | -0.005734848 | 0.000282187 |
| Southern CA – Sonora, MX | 0.029236169 | 0.005960304 | 0.052512033 | 0.001716706 |
| Black Mtns, AZ – Black Gap WMA | -0.026122264 | -0.047091147 | -0.005153382 | 0.002002097 |
| Gabbs Valley, NV – Baylor | 0.020505226 | 0.003902959 | 0.037107493 | 0.002344374 |
| Baylor – Elephant Mtn WMA | -0.017031191 | -0.030896237 | -0.003166145 | 0.002587638 |
| Basse – Black Gap WMA | -0.027904371 | -0.050925847 | -0.004882895 | 0.003276023 |
| Southern CA – Taos Pueblo, NM | -0.026214651 | -0.048159347 | -0.004269956 | 0.004207906 |
| Gabbs Valley, NV – Van Horn | 0.01423153 | 0.002291263 | 0.026171796 | 0.004370772 |
| Baylor – Dove | -0.02608022 | -0.048024916 | -0.004135525 | 0.004588185 |
| Black Mtns, AZ – Sonora, MX | 0.031462854 | 0.004586201 | 0.058339508 | 0.005883234 |
| Southern CA – Elephant Mtn WMA2000 | -0.022076627 | -0.041081291 | -0.003071963 | 0.006659007 |
| Black Mtns, AZ – Dove | -0.029279998 | -0.055012435 | -0.003547562 | 0.009186912 |
| GMU S62, CO – Sonora, MX | 0.052740954 | 0.006189225 | 0.099292683 | 0.009808004 |
| Basse – Dove | -0.031062105 | -0.058492974 | -0.003631235 | 0.00988334 |
| Gabbs Valley, NV – Black Mtns, AZ | 0.023705004 | 0.002345606 | 0.045064402 | 0.013285467 |
| Gabbs Valley, NV – Basse | 0.025487111 | 0.002109382 | 0.048864839 | 0.017068195 |
| Muddy Mtns, NV – Baylor | 0.016856212 | 0.001124928 | 0.032587496 | 0.021566342 |
| Van Horn – Dove | -0.019806524 | -0.038474796 | -0.001138253 | 0.024540776 |
| Black Mtns, AZ – Elephant Mtn WMA | -0.020230969 | -0.039539727 | -0.000922212 | 0.028783547 |
| Sonora, MX – Basse | -0.029680748 | -0.058187744 | -0.001173752 | 0.031132333 |
| Elephant Mtn WMA – Basse | 0.022013076 | 0.000492796 | 0.043533356 | 0.038555217 |
| Sierra Diablo WMA – Baylor | 0.015762931 | 0.000308384 | 0.031217478 | 0.039885943 |
| Muddy Mtns, NV – Van Horn | 0.010582515 | -0.000113652 | 0.021278683 | 0.05623455 |
| Sonora, MX – Yellowjacket Mtn, ID | -0.045194695 | -0.091746425 | 0.001357034 | 0.068689018 |
| Muddy Mtns, NV – Black Mtns, AZ | 0.02005599 | -0.000633668 | 0.040745647 | 0.069774128 |
| Muddy Mtns, NV – Basse | 0.021838096 | -0.000929342 | 0.044605534 | 0.077663571 |
| Beaches – Black Gap WMA | -0.015249889 | -0.031346641 | 0.000846863 | 0.087700149 |
| Baylor – Taos Pueblo, NM | -0.020788187 | -0.042732883 | 0.001156508 | 0.08778089 |
| Basse – Taos Pueblo, NM | -0.025770072 | -0.053200942 | 0.001660797 | 0.095033166 |
| Black Mtns, AZ – Taos Pueblo, NM | -0.023987966 | -0.049720402 | 0.001744471 | 0.102159396 |
| Black Mtns, AZ – Sierra Diablo WMA | -0.018962709 | -0.03944274 | 0.001517321 | 0.108691895 |
| Sierra Diablo WMA – Van Horn | 0.009489235 | -0.000795595 | 0.019774064 | 0.112212452 |
| Sierra Diablo WMA – Basse | 0.020744816 | -0.001832296 | 0.043321927 | 0.116420068 |
| Southern CA – Ord Mtn, CA | -0.039204359 | -0.083774246 | 0.005365529 | 0.167378089 |
| Baylor – Elephant Mtn WMA2000 | -0.016650163 | -0.035654827 | 0.0023545 | 0.172634513 |
| Elephant Mtn WMA2000 – Basse | 0.021632048 | -0.003508759 | 0.046772855 | 0.197603899 |
| Black Mtns, AZ – Elephant Mtn WMA2000 | -0.019849942 | -0.043125806 | 0.003425923 | 0.210627163 |
| Arizona – Black Gap WMA | -0.013708438 | -0.02980519 | 0.002388314 | 0.212702785 |
| Beaches – Dove | -0.018407623 | -0.040352319 | 0.003537072 | 0.236037495 |
| Ord Mtn, CA – Basse | 0.038759779 | -0.00875188 | 0.086271439 | 0.282042371 |
| Ord Mtn, CA – Black Mtns, AZ | 0.036977673 | -0.009574056 | 0.083529402 | 0.32941984 |
| Van Horn – Taos Pueblo, NM | -0.014514491 | -0.033182763 | 0.00415378 | 0.369368887 |
| Southern CA – Van Horn | -0.01170016 | -0.026803535 | 0.003403215 | 0.37628332 |
| Gabbs Valley, NV – Beaches | 0.012832629 | -0.003769638 | 0.029434896 | 0.380542826 |
| Southern CA – Arizona | -0.014640512 | -0.033645176 | 0.004364151 | 0.386944476 |
| Arizona – Dove | -0.016866172 | -0.038810867 | 0.005078524 | 0.39140777 |
| Ord Mtn, CA – Baylor | 0.033777895 | -0.010791993 | 0.078347782 | 0.418590012 |
| Southern CA – Beaches | -0.013099061 | -0.032103725 | 0.005905603 | 0.603078401 |
| Van Horn – Elephant Mtn WMA2000 | -0.010376467 | -0.025479843 | 0.004726908 | 0.609111423 |
| Gabbs Valley, NV – Arizona | 0.011291177 | -0.00531109 | 0.027893444 | 0.627814722 |
| Beaches – Elephant Mtn WMA | -0.009358594 | -0.02322364 | 0.004506452 | 0.641529145 |
| Ord Mtn, CA – Van Horn | 0.027504198 | -0.015547045 | 0.070555442 | 0.734132747 |
| Elephant Mtn WMA – Black Gap WMA | -0.005891295 | -0.015386961 | 0.003604371 | 0.77745847 |
| Sierra Diablo WMA – Black Gap WMA | -0.007159555 | -0.018854477 | 0.004535366 | 0.795651421 |
| Beaches – Taos Pueblo, NM | -0.01311559 | -0.035060286 | 0.008829105 | 0.825895657 |
| Ord Mtn, CA – Beaches | 0.026105298 | -0.01846459 | 0.070675185 | 0.848841914 |
| Muddy Mtns, NV – Beaches | 0.009183615 | -0.00654767 | 0.024914899 | 0.852388065 |
| Arizona – Basse | 0.014195933 | -0.010944874 | 0.03933674 | 0.884785321 |
| Arizona – Elephant Mtn WMA | -0.007817143 | -0.021682189 | 0.006047903 | 0.886120483 |
| Ord Mtn, CA – Arizona | 0.024563846 | -0.020006041 | 0.069133734 | 0.904769833 |
| Sierra Diablo WMA – Dove | -0.010317289 | -0.029270796 | 0.008636218 | 0.913879956 |
| Black Mtns, AZ – Arizona | -0.012413827 | -0.035689691 | 0.010862038 | 0.927392448 |
| Arizona – Taos Pueblo, NM | -0.011574139 | -0.033518834 | 0.010370557 | 0.93400822 |
| Southern CA – GMU S62, CO | -0.023504786 | -0.068074673 | 0.021065102 | 0.934066513 |
| Sierra Diablo WMA – Beaches | 0.008090334 | -0.007364213 | 0.023544881 | 0.938166631 |
| Elephant Mtn WMA – Dove | -0.009049029 | -0.026730429 | 0.008632371 | 0.949450174 |
| Van Horn – Basse | 0.011255581 | -0.011082612 | 0.033593774 | 0.956175364 |
| Beaches – Basse | 0.012654482 | -0.012486325 | 0.037795289 | 0.956598913 |
| Muddy Mtns, NV – Black Gap WMA | -0.006066275 | -0.018124528 | 0.005991978 | 0.956809493 |
| Muddy Mtns, NV – Arizona | 0.007642163 | -0.008089121 | 0.023373447 | 0.969037492 |
| GMU S62, CO – Basse | 0.023060206 | -0.024451453 | 0.070571866 | 0.969306866 |
| Arizona – Baylor | 0.009214049 | -0.009790615 | 0.028218712 | 0.96963134 |
| Muddy Mtns, NV – Dove | -0.009224009 | -0.028403834 | 0.009955817 | 0.971952532 |
| Beaches – Elephant Mtn WMA2000 | -0.008977566 | -0.02798223 | 0.010027098 | 0.976545872 |
| Black Mtns, AZ – Van Horn | -0.009473474 | -0.029689818 | 0.01074287 | 0.978383993 |
| Black Mtns, AZ – Beaches | -0.010872375 | -0.03414824 | 0.012403489 | 0.979078677 |
| GMU S62, CO – Black Mtns, AZ | 0.0212781 | -0.025273629 | 0.067829829 | 0.983294444 |
| Elephant Mtn WMA2000 – Dove | -0.009430057 | -0.031374752 | 0.012514639 | 0.991459599 |
| Arizona – Sierra Diablo WMA | -0.006548883 | -0.022003429 | 0.008905664 | 0.992708009 |
| Ord Mtn, CA – Sierra Diablo WMA | 0.018014964 | -0.025160731 | 0.061190659 | 0.993892545 |
| Van Horn – Baylor | 0.006273696 | -0.008829679 | 0.021377072 | 0.994200878 |
| GMU S62, CO – Baylor | 0.018078322 | -0.026491566 | 0.062648209 | 0.995612055 |
| Beaches – Baylor | 0.007672597 | -0.011332067 | 0.026677261 | 0.995849362 |
| Ord Mtn, CA – Elephant Mtn WMA | 0.016746703 | -0.025885879 | 0.059379286 | 0.997014718 |
| Arizona – Elephant Mtn WMA2000 | -0.007436115 | -0.026440779 | 0.011568549 | 0.997153971 |
| Ord Mtn, CA – Muddy Mtns, NV | 0.016921683 | -0.02635384 | 0.060197206 | 0.997176665 |
| Elephant Mtn WMA2000 – Black Gap WMA | -0.006272323 | -0.022369075 | 0.009824429 | 0.99729432 |
| Ord Mtn, CA – Yellowjacket Mtn, ID | 0.023245832 | -0.036852192 | 0.083343856 | 0.997528887 |
| Ord Mtn, CA – Elephant Mtn WMA2000 | 0.017127731 | -0.027442156 | 0.061697619 | 0.997719814 |
| Gabbs Valley, NV – Sierra Diablo WMA | 0.004742295 | -0.007639185 | 0.017123775 | 0.997811824 |
| Southern CA – Yellowjacket Mtn, ID | -0.015958527 | -0.060528414 | 0.028611361 | 0.99907215 |
| Dove – Yellowjacket Mtn, ID | 0.015548157 | -0.030352467 | 0.061448781 | 0.999555613 |
| Gabbs Valley, NV – Elephant Mtn WMA | 0.003474035 | -0.006855415 | 0.013803484 | 0.999596561 |
| Basse – Yellowjacket Mtn, ID | -0.015513948 | -0.063025607 | 0.031997712 | 0.999730665 |
| Ord Mtn, CA – Gabbs Valley, NV | 0.013272669 | -0.03032702 | 0.056872358 | 0.999899364 |
| Black Mtns, AZ – Yellowjacket Mtn, ID | -0.013731841 | -0.06028357 | 0.032819888 | 0.999936052 |
| Gabbs Valley, NV – Muddy Mtns, NV | 0.003649014 | -0.009076209 | 0.016374238 | 0.999957668 |
| Southern CA – Baylor | -0.005426464 | -0.024431128 | 0.0135782 | 0.99996024 |
| Black Gap WMA – Yellowjacket Mtn, ID | 0.012390423 | -0.031019288 | 0.055800135 | 0.999960451 |
| Ord Mtn, CA – Taos Pueblo, NM | 0.012989707 | -0.032910917 | 0.058890331 | 0.999965137 |
| Gabbs Valley, NV – Dove | -0.005574994 | -0.025475439 | 0.01432545 | 0.999969985 |
| GMU S62, CO – Van Horn | 0.011804625 | -0.031246618 | 0.054855869 | 0.999978185 |
| Sierra Diablo WMA – Taos Pueblo, NM | -0.005025256 | -0.023978764 | 0.013928251 | 0.999986838 |
| Ord Mtn, CA – GMU S62, CO | 0.015699573 | -0.044398451 | 0.075797597 | 0.999989489 |
| Ord Mtn, CA – Black Gap WMA | 0.010855408 | -0.032554303 | 0.05426512 | 0.999994615 |
| Baylor – Yellowjacket Mtn, ID | -0.010532063 | -0.05510195 | 0.034037824 | 0.999997768 |
| GMU S62, CO – Beaches | 0.010405725 | -0.034164163 | 0.054975612 | 0.999998153 |
| Gabbs Valley, NV – Elephant Mtn WMA2000 | 0.003855063 | -0.012747204 | 0.02045733 | 0.999998305 |
| Gabbs Valley, NV – Yellowjacket Mtn, ID | 0.009973163 | -0.033626526 | 0.053572852 | 0.999998663 |
| Yellowjacket Mtn, ID – Taos Pueblo, NM | -0.010256124 | -0.056156748 | 0.035644499 | 0.999999078 |
| Dove – Taos Pueblo, NM | 0.005292033 | -0.019242883 | 0.029826948 | 0.999999476 |
| Elephant Mtn WMA – Taos Pueblo, NM | -0.003756996 | -0.021438397 | 0.013924404 | 0.999999588 |
| Muddy Mtns, NV – Taos Pueblo, NM | -0.003931976 | -0.023111802 | 0.01524785 | 0.999999769 |
| GMU S62, CO – Arizona | 0.008864273 | -0.035705614 | 0.053434161 | 0.999999859 |
| Baylor – Basse | 0.004981885 | -0.020158923 | 0.030122692 | 0.999999867 |
| Arizona – Van Horn | 0.002940352 | -0.012163023 | 0.018043728 | 0.999999901 |
| Elephant Mtn WMA2000 – Taos Pueblo, NM | -0.004138024 | -0.02608272 | 0.017806672 | 0.999999941 |
| Gabbs Valley, NV – Black Gap WMA | -0.00241726 | -0.015591608 | 0.010757087 | 0.999999963 |
| GMU S62, CO – Dove | -0.008001899 | -0.053902523 | 0.037898725 | 0.999999984 |
| Ord Mtn, CA – Dove | 0.007697674 | -0.03820295 | 0.053598298 | 0.999999992 |
| Dove – Black Gap WMA | 0.003157734 | -0.01632297 | 0.022638438 | 0.999999995 |
| Elephant Mtn WMA – Yellowjacket Mtn, ID | 0.006499128 | -0.036133454 | 0.049131711 | 0.999999998 |
| Sierra Diablo WMA – Elephant Mtn WMA | -0.00126826 | -0.009629198 | 0.007092677 | 0.999999998 |
| Muddy Mtns, NV – Yellowjacket Mtn, ID | 0.006324149 | -0.036951375 | 0.049599672 | 0.999999999 |
| Black Mtns, AZ – Baylor | -0.003199778 | -0.026475643 | 0.020076086 | 1 |
| Elephant Mtn WMA2000 – RockyMtn\_Idaho | 0.0061181 | -0.038451787 | 0.050687988 | 1 |
| GMU S62, CO – Yellowjacket Mtn, ID | 0.007546259 | -0.052551765 | 0.067644283 | 1 |
| Sierra Diablo WMA – Yellowjacket Mtn, ID | 0.005230868 | -0.037944827 | 0.048406563 | 1 |
| GMU S62, CO – Black Gap WMA | -0.004844165 | -0.048253876 | 0.038565547 | 1 |
| Black Gap WMA – Taos Pueblo, NM | 0.002134299 | -0.017346405 | 0.021615003 | 1 |
| Van Horn – Yellowjacket Mtn, ID | -0.004258367 | -0.04730961 | 0.038792877 | 1 |
| Muddy Mtns, NV – Sierra Diablo WMA | 0.001093281 | -0.010093277 | 0.012279838 | 1 |
| Muddy Mtns, NV – Elephant Mtn WMA | -0.00017498 | -0.009037008 | 0.008687049 | 1 |
| Elephant Mtn WMA – Elephant Mtn WMA2000 | 0.000381028 | -0.013484018 | 0.014246074 | 1 |
| Sierra Diablo WMA – Elephant Mtn WMA2000 | -0.000887232 | -0.016341779 | 0.014567315 | 1 |
| Muddy Mtns, NV – Elephant Mtn WMA2000 | 0.000206048 | -0.015525236 | 0.015937332 | 1 |
| Beaches – Van Horn | 0.001398901 | -0.013704474 | 0.016502276 | 1 |
| Gabbs Valley, NV – Taos Pueblo, NM | -0.000282961 | -0.020183406 | 0.019617483 | 1 |
| Arizona – Beaches | 0.001541451 | -0.017463212 | 0.020546115 | 1 |
| Southern CA – Black Mtns, AZ | -0.002226686 | -0.02550255 | 0.021049179 | 1 |
| Southern CA – Basse | -0.000444579 | -0.025585386 | 0.024696228 | 1 |
| Black Mtns, AZ – Basse | 0.001782107 | -0.026724889 | 0.030289102 | 1 |
| Beaches – Yellowjacket Mtn, ID | -0.002859466 | -0.047429353 | 0.041710422 | 1 |
| Muddy Mtns, NV – GMU S62, CO | -0.00122211 | -0.044497633 | 0.042053413 | 1 |
| GMU S62, CO – Taos Pueblo, NM | -0.002709866 | -0.04861049 | 0.043190758 | 1 |
| Arizona – Yellowjacket Mtn, ID | -0.001318014 | -0.045887902 | 0.043251873 | 1 |
| GMU S62, CO – Elephant Mtn WMA | 0.00104713 | -0.041585452 | 0.043679713 | 1 |
| GMU S62, CO – Sierra Diablo WMA | 0.002315391 | -0.040860304 | 0.045491086 | 1 |
| GMU S62, CO – Elephant Mtn WMA2000 | 0.001428158 | -0.043141729 | 0.045998046 | 1 |
| Gabbs Valley, NV – GMU S62, CO | 0.002426904 | -0.041172785 | 0.046026593 | 1 |