

Appendix D Mann-Whitney Test Results: Statistical Summaries

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Mann-Whitney Test and CI: Substrate Diversity H, Substrate Diversity I

Substrat N = 9 Median = 16.000
Substrat N = 7 Median = 13.000
Point estimate for ETA1-ETA2 is 2.000
95.6 Percent CI for ETA1-ETA2 is (-1.000,5.001)
W = 86.5
Test of ETA1 = ETA2 vs ETA1 not = ETA2 is significant at 0.3146
The test is significant at 0.3074 (adjusted for ties)

Cannot reject at alpha = 0.05

Mann-Whitney Test and CI: Susbstrate Available H, Susbstrate Available I

Susbstra N = 9 Median = 13.000
Susbstra N = 7 Median = 13.000
Point estimate for ETA1-ETA2 is 0.000
95.6 Percent CI for ETA1-ETA2 is (-4.001,1.999)
W = 75.5
Test of ETA1 = ETA2 vs ETA1 not = ETA2 is significant at 0.9578
The test is significant at 0.9569 (adjusted for ties)

Cannot reject at alpha = 0.05

Mann-Whitney Test and CI: Water Velocity H, Water Velocity I

Water Ve N = 9 Median = 14.00
Water Ve N = 7 Median = 11.00
Point estimate for ETA1-ETA2 is 1.00
95.6 Percent CI for ETA1-ETA2 is (-7.00,8.00)
W = 77.5
Test of ETA1 = ETA2 vs ETA1 not = ETA2 is significant at 0.9578
The test is significant at 0.9577 (adjusted for ties)

Cannot reject at alpha = 0.05

Mann-Whitney Test and CI: Habitat Smothering H, Habitat Smothering I

Habitat N = 9 Median = 11.000
Habitat N = 7 Median = 11.000
Point estimate for ETA1-ETA2 is 1.000
95.6 Percent CI for ETA1-ETA2 is (-3.001,5.998)
W = 82.0
Test of ETA1 = ETA2 vs ETA1 not = ETA2 is significant at 0.5966
The test is significant at 0.5939 (adjusted for ties)

Cannot reject at alpha = 0.05

Mann-Whitney Test and CI: Artificial Channel H, Artificial Channel I

Artifici N = 9 Median = 20.000
Artifici N = 7 Median = 14.000
Point estimate for ETA1-ETA2 is 1.000
95.6 Percent CI for ETA1-ETA2 is (-3.997,7.998)
W = 84.5
Test of ETA1 = ETA2 vs ETA1 not = ETA2 is significant at 0.4273
The test is significant at 0.4150 (adjusted for ties)

Cannot reject at alpha = 0.05

Mann-Whitney Test and CI: Bank Stability H, Bank Stability I

Bank Sta N = 9 Median = 14.000
Bank Sta N = 7 Median = 12.000
Point estimate for ETA1-ETA2 is 2.000
95.6 Percent CI for ETA1-ETA2 is (-2.000,5.998)
W = 83.5
Test of ETA1 = ETA2 vs ETA1 not = ETA2 is significant at 0.4914
The test is significant at 0.4833 (adjusted for ties)

Cannot reject at alpha = 0.05

Mann-Whitney Test and CI: Buffer Width H, Buffer Width I

Buffer W N = 9 Median = 20.000
Buffer W N = 7 Median = 10.000
Point estimate for ETA1-ETA2 is 7.000
95.6 Percent CI for ETA1-ETA2 is (0.002,10.002)
W = 94.5
Test of ETA1 = ETA2 vs ETA1 not = ETA2 is significant at 0.0640
The test is significant at 0.0552 (adjusted for ties)

Cannot reject at alpha = 0.05

Mann-Whitney Test and CI: Vegetation Quality H, Vegetation Quality I

Vegetati N = 9 Median = 18.000
Vegetati N = 7 Median = 13.000
Point estimate for ETA1-ETA2 is 5.000
95.6 Percent CI for ETA1-ETA2 is (0.001,7.000)
W = 96.5
Test of ETA1 = ETA2 vs ETA1 not = ETA2 is significant at 0.0390
The test is significant at 0.0353 (adjusted for ties)

Mann-Whitney Test and CI: Total Habitat Score H, Total Habitat Score I

Total Ha N = 9 Median = 113.00
Total Ha N = 7 Median = 101.00
Point estimate for ETA1-ETA2 is 13.00
95.6 Percent CI for ETA1-ETA2 is (-1.00,30.00)
W = 93.5
Test of ETA1 = ETA2 vs ETA1 not = ETA2 is significant at 0.0807
The test is significant at 0.0803 (adjusted for ties)

Cannot reject at alpha = 0.05

Mann-Whitney Test and CI: %Natural H, %Natural I

%Natural N = 9 Median = 40.00
%Natural N = 7 Median = 3.00
Point estimate for ETA1-ETA2 is 30.00
95.6 Percent CI for ETA1-ETA2 is (17.00,39.99)
W = 107.0
Test of ETA1 = ETA2 vs ETA1 not = ETA2 is significant at 0.0015
The test is significant at 0.0014 (adjusted for ties)

Mann-Whitney Test and CI: %Silvi H, %Silvi I

%Silvi H N = 9 Median = 4.00
%Silvi I N = 7 Median = 0.00
Point estimate for ETA1-ETA2 is 4.00
95.6 Percent CI for ETA1-ETA2 is (0.01,36.99)
W = 89.0
Test of ETA1 = ETA2 vs ETA1 not = ETA2 is significant at 0.2040
The test is significant at 0.1444 (adjusted for ties)

Cannot reject at alpha = 0.05

Mann-Whitney Test and CI: %Field H, %Field I

%Field H N = 9 Median = 0.00
%Field I N = 7 Median = 0.00
Point estimate for ETA1-ETA2 is -0.00
95.6 Percent CI for ETA1-ETA2 is (-5.01,5.00)
W = 77.0
Test of ETA1 = ETA2 vs ETA1 not = ETA2 is significant at 1.0000
The test is significant at 1.0000 (adjusted for ties)

Cannot reject at alpha = 0.05

Mann-Whitney Test and CI: %Agri H, %Agri I

%Agri H N = 9 Median = 1.00
%Agri I N = 7 Median = 0.00
Point estimate for ETA1-ETA2 is 1.00
95.6 Percent CI for ETA1-ETA2 is (0.01,11.00)
W = 89.0
Test of ETA1 = ETA2 vs ETA1 not = ETA2 is significant at 0.2040
The test is significant at 0.1440 (adjusted for ties)

Cannot reject at alpha = 0.05

Mann-Whitney Test and CI: %Resi H, %Resi I

%Resi H N = 9 Median = 22.00
%Resi I N = 7 Median = 60.00
Point estimate for ETA1-ETA2 is -20.00
95.6 Percent CI for ETA1-ETA2 is (-57.01,10.00)
W = 61.5
Test of ETA1 = ETA2 vs ETA1 not = ETA2 is significant at 0.1248
The test is significant at 0.1240 (adjusted for ties)

Cannot reject at alpha = 0.05

Mann-Whitney Test and CI: %Com H, %Com I

%Com H N = 9 Median = 4.00
%Com I N = 7 Median = 30.00
Point estimate for ETA1-ETA2 is -23.00
95.6 Percent CI for ETA1-ETA2 is (-32.00,-0.00)
W = 56.5
Test of ETA1 = ETA2 vs ETA1 not = ETA2 is significant at 0.0390
The test is significant at 0.0381 (adjusted for ties)

Mann-Whitney Test and CI: %Indus H, %Indus I

%Indus H N = 9 Median = 0.00
%Indus I N = 7 Median = 3.00
Point estimate for ETA1-ETA2 is -0.00
95.6 Percent CI for ETA1-ETA2 is (-20.00,5.01)
W = 70.0
Test of ETA1 = ETA2 vs ETA1 not = ETA2 is significant at 0.5254
The test is significant at 0.4840 (adjusted for ties)

Cannot reject at alpha = 0.05