**APPENDIX A**

**BCHRON R CODE**

*require(Bchron)*

*#Read in Data file - need to already be in the correct directory*

*jt3<-read.csv("Coral 15 test.csv",sep = ",",header = TRUE)*

*#Confirm that dataframe is read in correctly*

*dim(jt3)*

*names(jt3)*

*jt3*

*#Run bchronology code*

*jt3out<-Bchronology(ages=jt3$ages, ageSds=jt3$ageSds, calCurves=jt3$calCurves, positions=jt3$position,positionThicknesses=jt3$thickness, ids=jt3$ID, jitterPositions = TRUE, predictPositions = seq(0,135, by=10))*

The results, including radiocarbon age probability distribution and 95% confidence interval, where then plotted in R using the following code:

*#plot the results from the Bchronology run above*

*plot(jt3out, main="S Joy Data", xlab='Age (cal years BP)', ylab='Depth (m)',las=1)*

*str(jt3out)*

**APPENDIX B**

**SEA-LEVEL DATASET**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Investigator | Location | Material Dated | 14C Age (BP) | 14C error +/- | Absolute Age | Depth Relitive to MSL | 230TH/234U Age | 230TH/234U Error |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -25.6 | 9066 | 8 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -26.7 | 9167 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -28.5 | 9205 | 18 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -31.6 | 9779 | 10 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -33.3 | 9782 | 21 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -33.6 | 9972 | 21 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -41.1 | 10658 | 6 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -41.3 | 10557 | 10 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -41.3 | 10552 | 21 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -42.4 | 10786 | 7 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -42.4 | 10837 | 7 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -42.7 | 10832 | 22 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -42.8 | 10880 | 24 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -44.5 | 11125 | 15 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -60.5 | 57809 | 44 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -27.3 | 9076 | 28 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -29.2 | 9412 | 18 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -30.3 | 9515 | 22 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -32.7 | 9710 | 26 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -32.8 | 9653 | 17 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -33.1 | 9739 | 30 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -33.6 | 9708 | 9 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -36.9 | 10344 | 11 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -37.4 | 10402 | 7 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -39.7 | 10648 | 15 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -39.9 | 10490 | 37 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -40.0 | 10536 | 29 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -41.1 | 10556 | 23 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -41.2 | 10529 | 19 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -41.3 | 10515 | 24 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -41.5 | 10673 | 25 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -41.6 | 10874 | 25 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -41.6 | 10757 | 30 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -41.6 | 10815 | 36 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -42.7 | 10879 | 37 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -44.2 | 10860 | 35 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -44.2 | 10923 | 32 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -44.5 | 11044 | 32 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -45.5 | 10923 | 44 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -64.6 | 64266 | 422 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -59.6 | 11888 | 42 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -59.6 | 11934 | 19 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -60.6 | 11410 | 29 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -61.0 | 11736 | 34 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -61.1 | 11848 | 24 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -58.2 | 11562 | 17 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -58.3 | 11479 | 16 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -58.7 | 11644 | 8 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -58.8 | 11613 | 10 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -59.0 | 11641 | 12 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -59.1 | 11366 | 35 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -60.1 | 11947 | 26 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -61.4 | 12118 | 40 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -62.2 | 11840 | 12 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -63.1 | 12323 | 26 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -64.0 | 12344 | 23 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -64.1 | 12550 | 26 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -64.1 | 12460 | 9 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -66.5 | 12650 | 30 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -67.1 | 12804 | 30 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -67.1 | 12853 | 18 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -67.2 | 12707 | 37 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -68.6 | 12661 | 19 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -68.7 | 12710 | 16 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -68.8 | 12722 | 31 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -68.8 | 12831 | 15 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -69.2 | 12900 | 19 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -75.0 | 13409 | 36 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -76.6 | 13886 | 32 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -76.6 | 13671 | 28 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -78.4 | 13811 | 32 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -79.6 | 13670 | 38 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -80.2 | 13979 | 40 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -80.2 | 13933 | 52 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -81.2 | 13958 | 30 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -81.3 | 13900 | 22 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -56.9 | 11443 | 30 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -56.9 | 11440 | 14 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -58.6 | 11582 | 16 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -61.2 | 11551 | 12 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -61.2 | 11466 | 24 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -61.7 | 12253 | 38 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -61.9 | 12220 | 15 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -64.8 | 12848 | 25 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -66.5 | 12866 | 37 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -66.5 | 13046 | 30 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -66.6 | 12954 | 23 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -66.7 | 13017 | 10 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -68.2 | 12969 | 17 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -68.2 | 13116 | 17 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -69.9 | 13288 | 56 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -69.9 | 13278 | 10 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -70.3 | 13229 | 16 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -70.2 | 13161 | 25 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -70.6 | 13177 | 28 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -70.6 | 13123 | 26 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -70.7 | 13106 | 34 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -71.4 | 13156 | 42 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -71.4 | 13138 | 32 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -71.4 | 13082 | 30 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -72.4 | 13182 | 24 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -72.7 | 13258 | 25 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -73.7 | 13605 | 19 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -74.0 | 13624 | 26 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -74.2 | 13628 | 26 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -74.5 | 13682 | 16 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -74.9 | 13623 | 29 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  |  | -77.1 | 13764 | 31 |
| Bard et al (1990) | Barbados | P. asteroides (coral) |  |  |  | -18 | 7460 | 80 |
| Bard et al (1990) | Barbados | A. palmata (coral) |  |  |  | -19 | 8450 | 50 |
| Bard et al (1990) | Barbados | A. palmata (coral) |  |  |  | -25 | 9250 | 80 |
| Bard et al (1990) | Barbados | A. palmata (coral) |  |  |  | -25 | 9280 | 100 |
| Bard et al (1990) | Barbados | A. palmata (coral) |  |  |  | -30 | 9730 | 50 |
| Bard et al (1990) | Barbados | A. palmata (coral) |  |  |  | -41 | 11090 | 70 |
| Bard et al (1990) | Barbados | A. palmata (coral) |  |  |  | -53 | 11590 | 60 |
| Bard et al (1990) | Barbados | A. palmata (coral) |  |  |  | -55 | 11530 | 70 |
| Bard et al (1990) | Barbados | A. palmata (coral) |  |  |  | -58 | 12260 | 90 |
| Bard et al (1990) | Barbados | A. palmata (coral) |  |  |  | -65 | 13220 | 110 |
| Bard et al (1990) | Barbados | A. palmata (coral) |  |  |  | -65 | 12970 | 120 |
| Bard et al (1990) | Barbados | A. palmata (coral) |  |  |  | -69 | 13700 | 170 |
| Bard et al (1990) | Barbados | A. palmata (coral) |  |  |  | -70 | 13800 | 140 |
| Bard et al (1990) | Barbados | A. palmata (coral) |  |  |  | -70 | 13660 | 140 |
| Bard et al (1990) | Barbados | A. palmata (coral) |  |  |  | -89 | 14230 | 100 |
| Bard et al (1990) | Barbados | A. palmata (coral) |  |  |  | -94 | 14700 | 100 |
| Bard et al (1990) | Barbados | A. palmata (coral) |  |  |  | -94 | 14660 | 160 |
| Bard et al (1990) | Barbados | A. palmata (coral) |  |  |  | -106 | 18240 | 140 |
| Bard et al (1990) | Barbados | A. palmata (coral) |  |  |  | -109 | 18890 | 250 |
| Bard et al (1990) | Barbados | A. palmata (coral) |  |  |  | -114 | 18980 | 90 |
| Bard et al (1990) | Barbados | A. palmata (coral) |  |  |  | -114 | 19030 | 100 |
| Bard et al (1990) | Barbados | P. asteroides (coral) |  |  |  | -120 | 20610 | 120 |
| Bard et al (1990) | Barbados | P. asteroides (coral) |  |  |  | -124 | 21930 | 150 |
| Behrens 1966 | Eastern Mexico Gulf Coast | *Mulinia* Shell | 1930 | 80 | 1936 | 2.6 |  |  |
| Behrens 1966 | Eastern Mexico Gulf Coast | *Mulinia* Shell | 1940 | 60 | 1947 | 2.6 |  |  |
| Behrens 1966 | Eastern Mexico Gulf Coast | *Mercenaria* Shell | 2340 | 100 | 2457 | 2.6 |  |  |
| Blackwelder et al. 1979 | 33.08.37N 78.28.66W SC Coast | Crassostrea in lagoonal sediment | 9520 | 95 |  | -26.8 |  |  |
| Blackwelder et al. 1979 | 29.43.7N, 84.57.4W NW FL | Rangia cuneata articulated in delta sed | 9950 | 180 |  | -22 |  |  |
| Blackwelder et al. 1979 | 33.03.40N, 78.22.99W SC Coast | Crassostrea in Lagoonal sediment | 10785 | 130 |  | -28.5 |  |  |
| Blackwelder et al. 1979 | 31.51.30N, 79.57.06W SC Coast | Crassostrea in lagoonal sediment | 11865 | 140 |  | -31 |  |  |
| Blackwelder et al. 1979 | 31.48.42N, 79.44.85W SC Coast | Salt Marsh Peat | 14540 | 180 |  | -38 |  |  |
| Blackwelder et al. 1979 | 31.44.94N, 79.44.85W SC Coast | Crassostrea in lagoonal sediment | 16450 | 155 |  | -58.6 |  |  |
| Blackwelder et al. 1979 | 31.44.94N, 79.44.85W SC Coast | Crassostrea in lagoonal sediment | 17265 | 235 |  | -58.6 |  |  |
| Blackwelder et al. 1979 | 33.29.27N, 78.50.27W SC Coast | Crassostrea in lagoonal sediment | 22585 | 530 |  | -13.2 |  |  |
| Blum et. Al., 2001 | Texas Gulf Coast | Foraminifera | 4560 | 95 | 5271 | 1.5 |  |  |
| Blum et. Al., 2001 | Texas Gulf Coast | Foraminifera | 4656 | 75 | 5499 | 1.2 |  |  |
| Blum et. Al., 2001 | Texas Gulf Coast | Foraminifera | 5125 | 55 | 5890 | 1.6 |  |  |
| Blum et. Al., 2001 | Texas Gulf Coast | Foraminifera | 5285 | 55 | 6070 | 1.7 |  |  |
| Blum et. Al., 2001 | Texas Gulf Coast | Foraminifera | 5870 | 95 | 6633 | 1.5 |  |  |
| Blum et. Al., 2001 | Texas Gulf Coast | Foraminifera | 6345 | 55 | 7263 | 0.7 |  |  |
| Blum et. Al., 2001 | Texas Gulf Coast | Carbonized plant fragments | 6970 | 65 | 7789 | -8.8 |  |  |
| Blum et. Al., 2001 | Texas Gulf Coast | Carbonized plant fragments | 7010 | 60 | 7828 | -8.8 |  |  |
| Curray 1960 | Texas Gulf of Mexico | C. virginica | 8030 | 220 | 8902 | -11.89 |  |  |
| Curray 1960 | Texas Gulf of Mexico | C. virginica | 8680 | 270 | 9659 | -16.46 |  |  |
| Curray 1960 | Texas Gulf of Mexico | Marine Shell Material | 8740 | 260 | 9737 | -26.52 |  |  |
| Curray 1960 | Texas Gulf of Mexico | Marine Shell Material | 9460 | 310 | 10645 | -49.38 |  |  |
| Curray 1960 | Texas Gulf of Mexico | C. virginica | 9530 | 270 | 10716 | -30.48 |  |  |
| Curray 1960 | Texas Gulf of Mexico | Marine Shell Material | 10000 | 400 | 11474 | -36.6 |  |  |
| Curray 1960 | Texas Gulf of Mexico | R. cuneata | 11900 | 340 | 13845 | -55.78 |  |  |
| Curray 1960 | Texas Gulf of Mexico | C. virginica | 12420 | 420 | 14617 | -42.06 |  |  |
| Curray 1960 | Texas Gulf of Mexico | R. cuneata | 12820 | 390 | 15063 | -57.61 |  |  |
| Curray 1960 | Texas Gulf of Mexico | Turritella sp. | 12900 | 400 | 15174 | -71.32 |  |  |
| Curray 1960 | Texas Gulf of Mexico | R. cuneata | 12960 | 470 | 15257 | -57.61 |  |  |
| Curray 1960 | Texas Gulf of Mexico | Marine Shell Material | 15400 | 510 | 18282 | -69.49 |  |  |
| Curray 1960 | Texas Gulf of Mexico | Marine Shell Material | 16940 | 680 | 20053 | -87.78 |  |  |
| Davies 1980 | Florida Gulf Coast | *Avicennia* | 285 | 100 | 332 | -0.71 |  |  |
| Davies 1980 | Florida Gulf Coast | Rhizophora Avicennia | 1015 | 85 | 927 | -3.94 |  |  |
| Davies 1980 | Florida Gulf Coast | Rhizophora | 1065 | 160 | 987 | -3.42 |  |  |
| Davies 1980 | Florida Gulf Coast | Avicennia | 1230 | 80 | 1147 | -2.67 |  |  |
| Davies 1980 | Florida Gulf Coast | Basal Freshwater | 2575 | 100 | 2616 | -2.74 |  |  |
| Davies 1980 | Florida Gulf Coast | Basal Freshwater | 3155 | 100 | 3369 | -2.9 |  |  |
| Davies 1980 | Florida Gulf Coast | Transitional Conocarpus | 3965 | 70 | 4417 | -3.63 |  |  |
| Davies 1980 | Florida Gulf Coast | Freshwater | 4015 | 100 | 4497 | -2.34 |  |  |
| Davies 1980 | Florida Gulf Coast | Basal Freshwater | 4310 | 100 | 4897 | -0.79 |  |  |
| Davies 1980 | Florida Gulf Coast | Basal Freshwater | 4695 | 105 | 5417 | -0.7 |  |  |
| Davies 1980 | Florida Gulf Coast | Basal Freshwater | 4770 | 100 | 5494 | -0.44 |  |  |
| Davies 1980 | Florida Gulf Coast | Basal Freshwater | 5190 | 100 | 5952 | -3.45 |  |  |
| Davies 1980 | Florida Gulf Coast | Basal Freshwater | 6850 | 80 | 9646 | -3.25 |  |  |
| Davies 1980 | Florida Gulf Coast | Organics | 7400 | 115 | 8205 | -0.79 |  |  |
| Davies 1980 | Florida Gulf Coast | Rhizophora Avicennia | 7450 | 165 | 8243 | -4.9 |  |  |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) | 5735 | 80 | 6550 | -10.4 |  |  |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) | 6400 | 100 | 7307 | -19.99 | 7457 | 41 |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) | 6840 | 70 | 7689 | -13 |  |  |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) | 7500 | 100 | 8341 | -28.2 | 9249 | 42 |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) | 7630 | 80 | 8438 | -29.69 |  |  |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) | 7780 | 110 | 8655 | -21.15 | 8449 | 24 |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) | 8010 | 75 | 8891 | -24.34 |  |  |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) | 8080 | 180 | 8959 | -28.2 |  |  |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) | 8160 | 110 | 9041 | -28.2 | 9285 | 47 |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) | 8195 | 115 | 9094 | -25.07 |  |  |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) | 8200 | 100 | 9091 | -28.2 |  |  |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) | 8338 | 71 | 9260 | -29.69 |  |  |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) | 8700 | 100 | 9691 | -33.19 |  |  |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) | 9050 | 125 | 10090 | -33.09 | 9734 | 24 |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) | 9080 | 100 | 10118 | -40.84 |  |  |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) | 9400 | 100 | 10563 | -43.9 | 11094 | 37 |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) | 9730 | 200 | 10978 | -57.92 |  |  |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) | 9760 | 160 | 11016 | -56.42 |  |  |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) | 9800 | 100 | 11087 | -57.92 | 11526 | 37 |
| Fairbanks 1989, 1990 | Barbados | Corals | 10100 | 100 | 11479 | -56.42 | 11587 | 30 |
| Fairbanks 1989, 1990 | Barbados | Corals | 10300 | 100 | 11911 | -61.21 | 12263 | 43 |
| Fairbanks 1989, 1990 | Barbados | Corals | 10500 | 100 | 12299 | -63.99 |  |  |
| Fairbanks 1989, 1990 | Barbados | Corals | 10900 | 200 | 12795 | -65.96 |  |  |
| Fairbanks 1989, 1990 | Barbados | Corals | 10900 | 100 | 12855 | -69.19 | 13226 | 56 |
| Fairbanks 1989, 1990 | Barbados | Corals | 11100 | 200 | 13013 | -86 |  |  |
| Fairbanks 1989, 1990 | Barbados | Corals | 11400 | 100 | 13276 | -72.95 |  |  |
| Fairbanks 1989, 1990 | Barbados | Corals | 11500 | 100 | 13326 | -72.95 |  |  |
| Fairbanks 1989, 1990 | Barbados | Corals | 11640 | 140 | 13499 | -69.19 |  |  |
| Fairbanks 1989, 1990 | Barbados | Corals | 11720 | 200 | 13592 | -73.85 |  |  |
| Fairbanks 1989, 1990 | Barbados | Corals | 11800 | 100 | 13637 | -73.85 | 13804 | 69 |
| Fairbanks 1989, 1990 | Barbados | Corals | 11800 | 200 | 13664 | -92.61 | 14234 | 50 |
| Fairbanks 1989, 1990 | Barbados | Corals | 11850 | 100 | 13677 | -73.41 | 13703 | 87 |
| Fairbanks 1989, 1990 | Barbados | Corals | 12000 | 210 | 13928 | -98.06 |  |  |
| Fairbanks 1989, 1990 | Barbados | Corals | 12200 | 100 | 14134 | -96.64 |  |  |
| Fairbanks 1989, 1990 | Barbados | Corals | 12250 | 100 | 14214 | -93.71 |  |  |
| Fairbanks 1989, 1990 | Barbados | Corals | 12250 | 100 | 14214 | -94.96 |  |  |
| Fairbanks 1989, 1990 | Barbados | Corals | 12300 | 120 | 14308 | -93.69 |  |  |
| Fairbanks 1989, 1990 | Barbados | Corals | 12300 | 120 | 14308 | -96.8 |  |  |
| Fairbanks 1989, 1990 | Barbados | Corals | 12500 | 100 | 14733 | -98.06 | 14656 | 82 |
| Fairbanks 1989, 1990 | Barbados | Corals | 14280 | 160 | 16992 | -106.9 |  |  |
| Fairbanks 1989, 1990 | Barbados | Corals | 14340 | 150 | 17061 | -110.83 |  |  |
| Fairbanks 1989, 1990 | Barbados | Corals | 14700 | 200 | 17476 | -111.19 | 18241 | 71 |
| Fairbanks 1989, 1990 | Barbados | Corals | 14815 | 280 | 17609 | -112.36 |  |  |
| Fairbanks 1989, 1990 | Barbados | Corals | 14930 | 200 | 17741 | -111.19 |  |  |
| Fairbanks 1989, 1990 | Barbados | Corals | 15100 | 160 | 17937 | -114.28 |  |  |
| Fairbanks 1989, 1990 | Barbados | Corals | 15200 | 200 | 18053 | -119.13 |  |  |
| Fairbanks 1989, 1990 | Barbados | Corals | 15390 | 200 | 18271 | -111.19 |  |  |
| Fairbanks 1989, 1990 | Barbados | Corals | 15400 | 200 | 18283 | -114.6 | 18895 | 46 |
| Fairbanks 1989, 1990 | Barbados | Corals | 15630 | 170 | 18548 | -108.4 |  |  |
| Fairbanks 1989, 1990 | Barbados | Corals | 15851 | 127 | 18801 | -119.13 |  |  |
| Fairbanks 1989, 1990 | Barbados | Corals | 16020 | 210 | 18996 | -114.6 |  |  |
| Fairbanks 1989, 1990 | Barbados | Corals | 16145 | 131 | 19139 | -119.48 |  |  |
| Fairbanks 1989, 1990 | Barbados | Corals | 16260 | 210 | 19271 | -119.48 | 19035 | 46 |
| Fairbanks 1989, 1990 | Barbados | Corals | 16700 | 300 | 19776 | -125.44 | 20807 | 60 |
| Fairbanks 1989, 1990 | Barbados | Corals | 17085 | 260 | 20218 | -119.48 | 18985 | 46 |
| Fairbanks 1989, 1990 | Barbados | Corals | 18200 | 200 | 22080 | -130.57 | 21933 | 74 |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) |  |  |  | -19.99 | 7457 | 41 |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) |  |  |  | -28.2 | 9249 | 42 |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) |  |  |  | -21.15 | 8449 | 24 |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) |  |  |  | -28.2 | 9285 | 47 |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) |  |  |  | -33.09 | 9734 | 24 |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) |  |  |  | -43.9 | 11094 | 37 |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) |  |  |  | -57.92 | 11526 | 37 |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) |  |  |  | -56.42 | 11587 | 30 |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) |  |  |  | -61.21 | 12263 | 43 |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) |  |  |  | -69.19 | 13226 | 56 |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) |  |  |  | -73.85 | 13804 | 69 |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) |  |  |  | -92.61 | 14234 | 50 |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) |  |  |  | -73.41 | 13703 | 87 |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) |  |  |  | -98.06 | 14656 | 82 |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) |  |  |  | -111.19 | 18241 | 71 |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) |  |  |  | -114.6 | 18895 | 46 |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) |  |  |  | -119.48 | 19035 | 46 |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) |  |  |  | -125.44 | 20807 | 60 |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) |  |  |  | -119.48 | 18985 | 46 |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) |  |  |  | -130.57 | 21933 | 74 |
| Fairbridge 1961,1974 | Eustatic Sea Level Curve | Various Material | 0 | n/a | 0 | 0 |  |  |
| Fairbridge 1961,1974 | Eustatic Sea Level Curve | Various Material | 364 | n/a | 439 | 0 |  |  |
| Fairbridge 1961,1974 | Eustatic Sea Level Curve | Various Material | 691 | n/a | 657 | -0.75 |  |  |
| Fairbridge 1961,1974 | Eustatic Sea Level Curve | Various Material | 876 | n/a | 780 | 0 |  |  |
| Fairbridge 1961,1974 | Eustatic Sea Level Curve | Various Material | 1109 | n/a | 1011 | -0.85 |  |  |
| Fairbridge 1961,1974 | Eustatic Sea Level Curve | Various Material | 1538 | n/a | 1432 | 0.95 |  |  |
| Fairbridge 1961,1974 | Eustatic Sea Level Curve | Various Material | 1737 | n/a | 1647 | -0.15 |  |  |
| Fairbridge 1961,1974 | Eustatic Sea Level Curve | Various Material | 1833 | n/a | 1765 | -0.15 |  |  |
| Fairbridge 1961,1974 | Eustatic Sea Level Curve | Various Material | 2019 | n/a | 1974 | -0.9 |  |  |
| Fairbridge 1961,1974 | Eustatic Sea Level Curve | Various Material | 2154 | n/a | 2148 | 0 |  |  |
| Fairbridge 1961,1974 | Eustatic Sea Level Curve | Various Material | 2286 | n/a | 2264 | -0.7 |  |  |
| Fairbridge 1961,1974 | Eustatic Sea Level Curve | Various Material | 2553 | n/a | 2584 | 1 |  |  |
| Fairbridge 1961,1974 | Eustatic Sea Level Curve | Various Material | 2622 | n/a | 2753 | 0 |  |  |
| Fairbridge 1961,1974 | Eustatic Sea Level Curve | Various Material | 2703 | n/a | 2823 | 0.7 |  |  |
| Fairbridge 1961,1974 | Eustatic Sea Level Curve | Various Material | 2903 | n/a | 3049 | -1.8 |  |  |
| Fairbridge 1961,1974 | Eustatic Sea Level Curve | Various Material | 3100 | n/a | 3297 | -0.95 |  |  |
| Fairbridge 1961,1974 | Eustatic Sea Level Curve | Various Material | 3333 | n/a | 3571 | -1.4 |  |  |
| Fairbridge 1961,1974 | Eustatic Sea Level Curve | Various Material | 3488 | n/a | 3760 | 2 |  |  |
| Fairbridge 1961,1974 | Eustatic Sea Level Curve | Various Material | 3604 | n/a | 3913 | 1 |  |  |
| Fairbridge 1961,1974 | Eustatic Sea Level Curve | Various Material | 3720 | n/a | 4073 | 2.4 |  |  |
| Fairbridge 1961,1974 | Eustatic Sea Level Curve | Various Material | 4033 | n/a | 4522 | -2 |  |  |
| Fairbridge 1961,1974 | Eustatic Sea Level Curve | Various Material | 4112 | n/a | 4624 | -2 |  |  |
| Fairbridge 1961,1974 | Eustatic Sea Level Curve | Various Material | 4271 | n/a | 4830 | -3 |  |  |
| Fairbridge 1961,1974 | Eustatic Sea Level Curve | Various Material | 4513 | n/a | 5157 | 1.3 |  |  |
| Fairbridge 1961,1974 | Eustatic Sea Level Curve | Various Material | 4760 | n/a | 5475 | 1 |  |  |
| Fairbridge 1961,1974 | Eustatic Sea Level Curve | Various Material | 4844 | n/a | 5574 | 2.2 |  |  |
| Fairbridge 1961,1974 | Eustatic Sea Level Curve | Various Material | 5141 | n/a | 5895 | 0 |  |  |
| Fairbridge 1961,1974 | Eustatic Sea Level Curve | Various Material | 5315 | n/a | 6086 | 2.2 |  |  |
| Fairbridge 1961,1974 | Eustatic Sea Level Curve | Various Material | 5624 | n/a | 6423 | -5.4 |  |  |
| Fairbridge 1961,1974 | Eustatic Sea Level Curve | Various Material | 5714 | n/a | 6520 | -4.8 |  |  |
| Fairbridge 1961,1974 | Eustatic Sea Level Curve | Various Material | 5988 | n/a | 6838 | -11.85 |  |  |
| Fairbridge 1961,1974 | Eustatic Sea Level Curve | Various Material | 6219 | n/a | 7089 | -9 |  |  |
| Fairbridge 1961,1974 | Eustatic Sea Level Curve | Various Material | 6360 | n/a | 7241 | -10.1 |  |  |
| Fairbridge 1961,1974 | Eustatic Sea Level Curve | Various Material | 6502 | n/a | 7383 | -9.9 |  |  |
| Fairbridge 1961,1974 | Eustatic Sea Level Curve | Various Material | 6837 | n/a | 7690 | -19 |  |  |
| Fairbridge 1961,1974 | Eustatic Sea Level Curve | Various Material | 7274 | n/a | 8084 | -15.1 |  |  |
| Fairbridge 1961,1974 | Eustatic Sea Level Curve | Various Material | 7470 | n/a | 8269 | -22.2 |  |  |
| Fairbridge 1961,1974 | Eustatic Sea Level Curve | Various Material | 7716 | n/a | 8560 | -20.1 |  |  |
| Fairbridge 1961,1974 | Eustatic Sea Level Curve | Various Material | 7814 | n/a | 8682 | -21 |  |  |
| Fairbridge 1961,1974 | Eustatic Sea Level Curve | Various Material | 8012 | n/a | 8898 | -13 |  |  |
| Fairbridge 1961,1974 | Eustatic Sea Level Curve | Various Material | 8110 | n/a | 9019 | -16 |  |  |
| Fairbridge 1961,1974 | Eustatic Sea Level Curve | Various Material | 8307 | n/a | 9250 | -15 |  |  |
| Fairbridge 1961,1974 | Eustatic Sea Level Curve | Various Material | 8455 | n/a | 9442 | -19.5 |  |  |
| Fairbridge 1961,1974 | Eustatic Sea Level Curve | Various Material | 8504 | n/a | 9512 | -19 |  |  |
| Fairbridge 1961,1974 | Eustatic Sea Level Curve | Various Material | 9040 | n/a | 10166 | -30 |  |  |
| Fairbridge 1961,1974 | Eustatic Sea Level Curve | Various Material | 9136 | n/a | 10308 | -29 |  |  |
| Fairbridge 1961,1974 | Eustatic Sea Level Curve | Various Material | 9842 | n/a | 11346 | -40 |  |  |
| Fairbridge 1961,1974 | Eustatic Sea Level Curve | Various Material | 10293 | n/a | 12044 | -31.5 |  |  |
| Fairbridge 1961,1974 | Eustatic Sea Level Curve | Various Material | 11363 | n/a | 13386 | -48 |  |  |
| Fairbridge 1961,1974 | Eustatic Sea Level Curve | Various Material | 11660 | n/a | 13703 | -46 |  |  |
| Fairbridge 1961,1974 | Eustatic Sea Level Curve | Various Material | 11941 | n/a | 14044 | -51 |  |  |
| Faught & Donoghue, 1997 | NE Gulf of Mexico | Wood in marine sand | 5140 | 100 | 5882 | -1.8 |  |  |
| Faught & Donoghue, 1997 | NE Gulf of Mexico | Wood in marine sand | 6100 | 60 | 6958 | -3.7 |  |  |
| Faught & Donoghue, 1997 | NE Gulf of Mexico | Crassostrea shell (marine) | 6135 | 80 | 7026 | -4.3 |  |  |
| Faught & Donoghue, 1997 | NE Gulf of Mexico | Crassostrea shell (marine) | 6375 | 80 | 7288 | -4.6 |  |  |
| Faught & Donoghue, 1997 | NE Gulf of Mexico | Wood in sandy clay (terrestrial) | 6755 | 60 | 7611 | -7.6 |  |  |
| Faught & Donoghue, 1997 | NE Gulf of Mexico | Wood in silty clay (brackish) | 6785 | 80 | 7613 | -5.5 |  |  |
| Faught & Donoghue, 1997 | NE Gulf of Mexico | Wood in silty clay (brackish) | 6825 | 120 | 7681 | -6.7 |  |  |
| Faught & Donoghue, 1997 | NE Gulf of Mexico | Wood in sandy clay (terrestrial) | 7010 | 80 | 7827 | -7.3 |  |  |
| Faught & Donoghue, 1997 | NE Gulf of Mexico | Wood in sandy clay (terrestrial) | 7130 | 75 | 7939 | -6.4 |  |  |
| Faught & Donoghue, 1997 | NE Gulf of Mexico | Wood in sandy clay (terrestrial) | 7160 | 95 | 7969 | -7 |  |  |
| Faught & Donoghue, 1997 | NE Gulf of Mexico | Quercus stump (terrestrial) | 7240 | 100 | 8051 | -4.3 |  |  |
| Frazier 1974 | NW Gulf of Mexico | Brackish-marsh Peat | 900 | 125 | 838 | -0.73 |  |  |
| Frazier 1974 | NW Gulf of Mexico | Bay pelecypods | 1400 | 350 | 1368 | -3.76 |  |  |
| Frazier 1974 | NW Gulf of Mexico | Brackish-marsh Peat | 2550 | 110 | 2691 | -2.44 |  |  |
| Frazier 1974 | NW Gulf of Mexico | Bay pelecypods | 3500 | 115 | 3859 | -8.23 |  |  |
| Frazier 1974 | NW Gulf of Mexico | Brackish-marsh Peat | 3650 | 120 | 4060 | -2.77 |  |  |
| Frazier 1974 | NW Gulf of Mexico | Brackish-marsh Peat | 4600 | 125 | 5316 | -3.05 |  |  |
| Frazier 1974 | NW Gulf of Mexico | Bay pelecypods | 4800 | 140 | 5542 | -6.86 |  |  |
| Frazier 1974 | NW Gulf of Mexico | Bay pelecypods | 5600 | 140 | 6512 | -7.01 |  |  |
| Frazier 1974 | NW Gulf of Mexico | Brackish-marsh Peat | 5650 | 140 | 6465 | -5.47 |  |  |
| Frazier 1974 | NW Gulf of Mexico | Brackish-marsh Peat | 7025 | 160 | 7867 | -7.54 |  |  |
| Frazier 1974 | NW Gulf of Mexico | Bay pelecypods | 7150 | 160 | 7993 | -15.09 |  |  |
| Frazier 1974 | NW Gulf of Mexico | Brackish-marsh Peat | 7240 | 160 | 8083 | -12.19 |  |  |
| Frazier 1974 | NW Gulf of Mexico | Bay pelecypods | 8150 | 180 | 9052 | -20.18 |  |  |
| Frazier 1974 | NW Gulf of Mexico | Inner-neritic pelecypods | 8400 | 150 | 9328 | -35.17 |  |  |
| Frazier 1974 | NW Gulf of Mexico | Inner-neritic pelecypods | 8700 | 200 | 9685 | -22.25 |  |  |
| Frazier 1974 | NW Gulf of Mexico | Inner-neritic pelecypods | 8800 | 180 | 9841 | -28.96 |  |  |
| Frazier 1974 | NW Gulf of Mexico | Wood and Brackish peat | 9250 | 210 | 10388 | -16.15 |  |  |
| Frazier 1974 | NW Gulf of Mexico | Wood and Brackish peat | 10525 | 215 | 12269 | -35.05 |  |  |
| Frazier 1974 | NW Gulf of Mexico | Brackish-marsh Peat | 10700 | 150 | 12525 | -42.67 |  |  |
| Frazier 1974 | NW Gulf of Mexico | Inner-neritic pelecypods | 10700 | 220 | 12481 | -53.19 |  |  |
| Frazier 1974 | NW Gulf of Mexico | Inner-neritic pelecypods | 11050 | 300 | 12933 | -65.53 |  |  |
| Frazier 1974 | NW Gulf of Mexico | Inner-neritic pelecypods | 11900 | 250 | 13816 | -69.8 |  |  |
| Frazier 1974 | NW Gulf of Mexico | Bay pelecypods | 12960 | 450 | 15259 | -57.61 |  |  |
| Frazier 1974 | NW Gulf of Mexico | Inner-neritic pelecypods | 15575 | 500 | 18483 | -106.47 |  |  |
| Frazier 1974 | NW Gulf of Mexico | Inner-neritic pelecypods | 16600 | 420 | 19661 | -100.86 |  |  |
| Frazier 1974 | NW Gulf of Mexico | Inner-neritic pelecypods | 16940 | 680 | 20053 | -87.78 |  |  |
| Frazier 1974 | NW Gulf of Mexico | Bay pelecypods | 19400 | 510 | 22837 | -49.38 |  |  |
| Gischler Hudson 2003 | Belize | A. palmata | 4640 | 70 |  | -3.1 |  |  |
| Gischler Hudson 2003 | Belize | A. palmata | 4770 | 70 |  | -2.3 |  |  |
| Gischler Hudson 2003 | Belize | A. palmata | 6230 | 80 |  | -4.7 |  |  |
| Gischler Hudson 2003 | Belize | A. palmata | 6200 | 80 |  | -4.4 |  |  |
| Gischler Hudson 2003 | Belize | A. palmata | 7220 | 90 |  | -9.3 |  |  |
| Gischler Hudson 2003 | Belize | A. palmata | 7290 | 60 |  | -20.9 |  |  |
| Gischler Hudson 2003 | Belize | A. palmata | 3380 | 70 |  | -2.3 |  |  |
| Gischler Hudson 2003 | Belize | A. palmata | 6170 | 80 |  | -6.6 |  |  |
| Gischler Hudson 2003 | Belize | A. palmata | 7220 | 60 |  | -9.9 |  |  |
| Gischler Hudson 2003 | Belize | A. palmata | 1420 | 60 |  | -3.7 |  |  |
| Gischler Hudson 2003 | Belize | A. palmata | 4310 | 70 |  | -3.8 |  |  |
| Gischler Hudson 2003 | Belize | A. palmata | 4530 | 70 |  | -3.6 |  |  |
| Gischler Hudson 2003 | Belize | A. palmata | 3170 | 70 |  | -3.2 |  |  |
| Gischler Hudson 2003 | Belize | A. palmata | 5580 | 80 |  | -8.6 |  |  |
| Gischler Hudson 2003 | Belize | A. palmata | 1100 | 60 |  | -4.1 |  |  |
| Gischler Hudson 2003 | Belize | A. palmata | 5010 | 80 |  | -2.5 |  |  |
| Gischler Hudson 2003 | Belize | A. palmata | 5810 | 80 |  | -4.5 |  |  |
| Gischler Hudson 2003 | Belize | A. palmata | 6940 | 60 |  | -7.3 |  |  |
| Gischler Hudson 2003 | Belize | A. palmata | 4990 | 80 |  | -2.3 |  |  |
| Gischler Hudson 2003 | Belize | A. palmata | 6090 | 60 |  | -4.7 |  |  |
| Gischler Hudson 2003 | Belize | A. palmata | 6480 | 60 |  | -7.1 |  |  |
| Kuehn 1980 | SW Florida Gulf Coast | Rhizophora | 2775 | 200 | 2916 | -2.74 |  |  |
| Kuehn 1980 | SW Florida Gulf Coast | Rhizophora | 3260 | 65 | 3490 | -3.91 |  |  |
| Kuehn 1980 | SW Florida Gulf Coast | Marine Marl Contact | 3399 | 102 | 3649 | -2.74 |  |  |
| Kuehn 1980 | SW Florida Gulf Coast | Brackish | 3660 | 85 | 3986 | -2.83 |  |  |
| Kuehn 1980 | SW Florida Gulf Coast | Basal Freshwater | 4015 | 80 | 4495 | -2.32 |  |  |
| Kuehn 1980 | SW Florida Gulf Coast | Rhizophora | 4095 | 75 | 4615 | -2.77 |  |  |
| Kuehn 1980 | SW Florida Gulf Coast | Basal Untyped | 4420 | 200 | 5048 | -1.77 |  |  |
| Kuehn 1980 | SW Florida Gulf Coast | Basal Freshwater | 5370 | 80 | 6138 | -2.1 |  |  |
| Mallinson et al 2003 | Dry Tortugas | Peat | 9430 | 60 |  | -31.7 |  |  |
| Mallinson et al 2003 | Dry Tortugas | Coral |  |  |  | -31.2 | 9631 | 30 |
| McBride, 1997 | NE Gulf of Mexico | Chione canellata | 5450 | 80 | 6248 | -7.56 |  |  |
| McBride, 1997 | NE Gulf of Mexico | Chione canellata | 6070 | 60 | 6944 | -7.56 |  |  |
| McBride, 1997 | NE Gulf of Mexico | Oliva sayana | 8610 | 60 | 9584 | -35.04 |  |  |
| McBride, 1997 | NE Gulf of Mexico | Chione canellata | 10040 | 50 | 11371 | -31.57 |  |  |
| McBride, 1997 | NE Gulf of Mexico | Chione canellata | 10040 | 60 | 11382 | -31.78 |  |  |
| McBride, 1997 | NE Gulf of Mexico | Chione canellata | 10070 | 60 | 11422 | -31.78 |  |  |
| McBride, 1997 | NE Gulf of Mexico | Chione canellata | 10200 | 60 | 11681 | -37.18 |  |  |
| McBride, 1997 | NE Gulf of Mexico | Nuculana concentrica | 12600 | 60 | 14779 | -25.91 |  |  |
| McFarlan 1961 | Louisiana Gulf Coast Beaches and chenier | *Mulinia* Shells | 520 | 100 | 517 | 0.3 |  |  |
| McFarlan 1961 | Louisiana Gulf Coast Beaches and chenier | *Mulinia* Shells | 1220 | 100 | 1155 | -0.61 |  |  |
| McFarlan 1961 | Louisiana Gulf Coast Beaches and chenier | *Mercenaria* Shells | 1250 | 105 | 1184 | 0.15 |  |  |
| McFarlan 1961 | Louisiana Gulf Coast Beaches and chenier | *Mercenaria* Shells | 1350 | 105 | 1290 | 0.3 |  |  |
| McFarlan 1961 | Louisiana Gulf Coast Beaches and chenier | *Busycon* Shells | 1450 | 105 | 1394 | -0.3 |  |  |
| McFarlan 1961 | Louisiana Gulf Coast Beaches and chenier | *Dinocardium* Shells | 1600 | 120 | 1554 | -0.91 |  |  |
| McFarlan 1961 | Louisiana Gulf Coast Beaches and chenier | *Busycon* Shells | 1600 | 105 | 1552 | 0.3 |  |  |
| McFarlan 1961 | Louisiana Gulf Coast Beaches and chenier | *Dinocardium* Shells | 1600 | 110 | 1552 | -0.61 |  |  |
| McFarlan 1961 | Louisiana Gulf Coast Beaches and chenier | *Mulinia* Shells | 2520 | 110 | 2646 | -1.22 |  |  |
| McFarlan 1961 | Louisiana Gulf Coast Beaches and chenier | *Mulinia* Shells | 2750 | 110 | 2941 | 0.3 |  |  |
| McFarlan 1961 | Louisiana Gulf Coast Beaches and chenier | *Crassostrea* Shell | 2775 | 110 | 2969 | 0.46 |  |  |
| McFarlan 1961 | Louisiana Gulf Coast Beaches and chenier | *Crassostrea* Shell | 3150 | 120 | 3426 | 0.15 |  |  |
| Milliken etal. 2008 | Calcasieu Lake LA | Peat | 6240 | 30 |  | -6.7 |  |  |
| Milliken etal. 2008 | Sabine Lake LA | Peat | 7110 | 45 |  | -8.1 |  |  |
| Milliken etal. 2008 | Calcasieu Lake LA | Peat | 7190 | 40 |  | -11 |  |  |
| Milliken etal. 2008 | Calcasieu Lake LA | Peat | 7540 | 35 |  | -12 |  |  |
| Milliken etal. 2008 | Sabine Lake LA | Peat | 7910 | 45 |  | -14.9 |  |  |
| Milliken etal. 2008 | Calcasieu Lake LA | Peat | 7980 | 30 |  | -13.3 |  |  |
| Milliken etal. 2008 | Sabine Lake LA | Peat | 8070 | 35 |  | -15.3 |  |  |
| Milliken etal. 2008 | Calcasieu Lake LA | Peat | 8620 | 35 |  | -19.2 |  |  |
| Milliken etal. 2008 | Sabine Lake LA | Peat | 8720 | 40 |  | -17 |  |  |
| Milliken etal. 2008 | Mobile AL | Peat | 5470 | 50 |  | -5.9 |  |  |
| Milliken etal. 2008 | Mobile AL | Peat | 8270 | 60 |  | -15.1 |  |  |
| Milliken etal. 2008 | Sabine Bank LA | Peat | 8677 | 270 |  | -15.3 |  |  |
| Milliken etal. 2008 | Heald Bank LA | Peat | 8570 | 70 |  | -16.3 |  |  |
| Milliken etal. 2008 | Galveston Island TX | Taselus | 2999 | 41 |  | -1.6 |  |  |
| Milliken etal. 2008 | Galveston Bay TX | Wood | 7738 | 60 |  | -13.4 |  |  |
| Milliken etal. 2008 | Galveston Bay TX | Wood | 8702 | 61 |  | -17.8 |  |  |
| Milliken etal. 2008 | Bolivar Peninsula TX | Donax | 523 | 35 |  | -1.6 |  |  |
| Milliken etal. 2008 | Bolivar Peninsula TX | Donax | 581 | 38 |  | -2.3 |  |  |
| Milliken etal. 2008 | Bolivar Peninsula TX | Donax | 764 | 42 |  | -1.2 |  |  |
| Milliken etal. 2008 | Bolivar Peninsula TX | Donax | 783 | 40 |  | -1.1 |  |  |
| Milliken etal. 2008 | Bolivar Peninsula TX | Donax | 1610 | 60 |  | -1.1 |  |  |
| Milliken etal. 2008 | Bolivar Peninsula TX | Donax | 1669 | 42 |  | -1.6 |  |  |
| Milliken etal. 2008 | Bolivar Peninsula TX | Donax | 1885 | 57 |  | -1.4 |  |  |
| Milliken etal. 2008 | Bolivar Peninsula TX | Donax | 1926 | 37 |  | -2.6 |  |  |
| Milliken etal. 2008 | Bolivar Peninsula TX | Donax | 1932 | 37 |  | -1.9 |  |  |
| Milliken etal. 2008 | Bolivar Peninsula TX | Donax | 2000 | 36 |  | -1 |  |  |
| Milliken etal. 2008 | Bolivar Peninsula TX | Donax | 2044 | 45 |  | -2.1 |  |  |
| Milliken etal. 2008 | Bolivar Peninsula TX | Donax | 2115 | 44 |  | -2 |  |  |
| Milliken etal. 2008 | Bolivar Peninsula TX | Donax | 2150 | 40 |  | -3.2 |  |  |
| Milliken etal. 2008 | Galveston Island TX | Donax | 2206 | 47 |  | -0.9 |  |  |
| Milliken etal. 2008 | Galveston Island TX | Donax | 2237 | 38 |  | -2.4 |  |  |
| Milliken etal. 2008 | Bolivar Peninsula TX | Donax | 2342 | 34 |  | -2.3 |  |  |
| Milliken etal. 2008 | Galveston Island TX | Donax | 2457 | 35 |  | -2.1 |  |  |
| Milliken etal. 2008 | Galveston Island TX | Donax | 2476 | 40 |  | -1.2 |  |  |
| Milliken etal. 2008 | Galveston Island TX | Donax | 2537 | 38 |  | -2.5 |  |  |
| Milliken etal. 2008 | Bolivar Peninsula TX | Donax | 2577 | 37 |  | -2.5 |  |  |
| Milliken etal. 2008 | Galveston Island TX | Donax | 2673 | 47 |  | -4.1 |  |  |
| Milliken etal. 2008 | Bolivar Peninsula TX | Donax | 2745 | 43 |  | -0.8 |  |  |
| Milliken etal. 2008 | Bolivar Peninsula TX | Donax | 2948 | 35 |  | -2.9 |  |  |
| Milliken etal. 2008 | Galveston Island TX | Donax | 3013 | 40 |  | -1.5 |  |  |
| Milliken etal. 2008 | Galveston Island TX | Donax | 3241 | 38 |  | -2.6 |  |  |
| Milliken etal. 2008 | Galveston Island TX | Donax | 3513 | 93 |  | -1.9 |  |  |
| Milliken etal. 2008 | Galveston Island TX | Donax | 3828 | 40 |  | -3.2 |  |  |
| Milliken etal. 2008 | Galveston Island TX | Donax | 4450 | 43 |  | -3.3 |  |  |
| Milliken etal. 2008 | Galveston Island TX | Donax | 4486 | 44 |  | -3.2 |  |  |
| Milliken etal. 2008 | Bolivar Peninsula TX | Donax | 4756 | 43 |  | -3.1 |  |  |
| Milliken etal. 2008 | Galveston Island TX | Donax | 5052 | 52 |  | -3.9 |  |  |
| Morton et. Al., 2000 | Texas Gulf Coast | Peat | 290 | 50 | 375 | -1.5 |  |  |
| Morton et. Al., 2000 | Texas Gulf Coast | Rangia | 1220 | 50 | 1142 | 1.1 |  |  |
| Morton et. Al., 2000 | Texas Gulf Coast | Crassostrea | 1740 | 60 | 1652 | 2.8 |  |  |
| Morton et. Al., 2000 | Texas Gulf Coast | Crassostrea | 1860 | 60 | 1790 | 2.3 |  |  |
| Morton et. Al., 2000 | Texas Gulf Coast | Crassostrea | 2340 | 60 | 2368 | 2.8 |  |  |
| Morton et. Al., 2000 | Texas Gulf Coast | Mulinia, Anadara | 3220 | 80 | 3445 | -1.2 |  |  |
| Morton et. Al., 2000 | Texas Gulf Coast | Anadara, Mulinia | 3550 | 90 | 3837 | 0.8 |  |  |
| Morton et. Al., 2000 | Texas Gulf Coast | Crassostrea | 3580 | 70 | 3876 | -5.2 |  |  |
| Morton et. Al., 2000 | Texas Gulf Coast | Mulinia, Anadara | 3630 | 60 | 3943 | -2.3 |  |  |
| Morton et. Al., 2000 | Texas Gulf Coast | Peat | 3760 | 60 | 4124 | -2.6 |  |  |
| Morton et. Al., 2000 | Texas Gulf Coast | Organic clay and peat | 4030 | 90 | 4519 | -2 |  |  |
| Morton et. Al., 2000 | Texas Gulf Coast | Mixed shells | 4280 | 50 | 4846 | -0.2 |  |  |
| Morton et. Al., 2000 | Texas Gulf Coast | Organic clay | 4390 | 70 | 4986 | -4.2 |  |  |
| Morton et. Al., 2000 | Texas Gulf Coast | Mulinia, Anadara | 4910 | 60 | 5647 | -7.1 |  |  |
| Morton et. Al., 2000 | Texas Gulf Coast | Mixed shells | 5050 | 90 | 5794 | -0.3 |  |  |
| Morton et. Al., 2000 | Texas Gulf Coast | Mulinia, Crassostrea | 5200 | 70 | 5965 | -6.6 |  |  |
| Morton et. Al., 2000 | Texas Gulf Coast | Anadara, Mulinia | 5340 | 120 | 6111 | -0.7 |  |  |
| Morton et. Al., 2000 | Texas Gulf Coast | Crassostrea | 6030 | 70 | 6868 | -10.4 |  |  |
| Morton et. Al., 2000 | Texas Gulf Coast | Rangia | 6510 | 90 | 7413 | -6.1 |  |  |
| Morton et. Al., 2000 | Texas Gulf Coast | Peat | 6730 | 80 | 7590 | -8.1 |  |  |
| Morton et. Al., 2000 | Texas Gulf Coast | Wood and organic clay | 6980 | 160 | 7808 | -13.9 |  |  |
| Morton et. Al., 2000 | Texas Gulf Coast | Peat | 7020 | 80 | 7835 | -8.3 |  |  |
| Morton et. Al., 2000 | Texas Gulf Coast | Rangia | 8250 | 160 | 9214 | -24.1 |  |  |
| Morton et. Al., 2000 | Texas Gulf Coast | Peat | 8740 | 60 | 9737 | -20.5 |  |  |
| Morton et. Al., 2000 | Texas Gulf Coast | Wood | 8970 | 170 | 10071 | -20.8 |  |  |
| Nelson and Bray 1970 | Texas Gulf Coast | Peat | 3475 |  | 3739 | -1.52 |  |  |
| Nelson and Bray 1970 | Texas Gulf Coast | Peat | 4900 |  | 5646 | -3.05 |  |  |
| Nelson and Bray 1970 | Texas Gulf Coast | Peat | 5650 |  | 6450 | -5.18 |  |  |
| Nelson and Bray 1970 | Texas Gulf Coast | Peat | 6635 | 200 | 7508 | -22.01 |  |  |
| Nelson and Bray 1970 | Texas Gulf Coast | Peat | 7840 | 250 | 8715 | -22.17 |  |  |
| Nelson and Bray 1970 | Texas Gulf Coast | Peat | 7975 | 200 | 8850 | -21.64 |  |  |
| Nelson and Bray 1970 | Texas Gulf Coast | Wood | 8660 | 230 | 9728 | -19.66 |  |  |
| Nelson and Bray 1970 | Texas Gulf Coast | Peat | 8880 | 350 | 9981 | -19.66 |  |  |
| Nelson and Bray 1970 | Texas Gulf Coast | Peat | 9370 | 300 | 10630 | 22.33 |  |  |
| Nelson and Bray 1970 | Texas Gulf Coast | Peat | 10207 | 347 | 11919 | -35.66 |  |  |
| Nelson and Bray 1970 | Texas Gulf Coast | Peat | 10320 | 298 | 1285 | -21.95 |  |  |
| Otvos 2004 | Perdido Bay Fl | Wood in freah water olive mud | 9345 | 135 |  | -15 |  |  |
| Otvos 2004 | Ft Pickens Fl | Brackish peat | 9230 | 175 |  | -22.6 |  |  |
| Otvos 2004 | Biloxi Back Bay | Nyssa-fresh water | 6580 | 100 |  | -7.5 |  |  |
| Otvos 2004 | Biloxi Back Bay | low salinity peat | 5690 | 115 |  | -6.5 |  |  |
| Otvos 2004 | Biloxi Bay, Deer Is. | Fresh water mud | 4670 | 170 |  | -2 |  |  |
| Otvos 2004 | Heald Bank Tx | Fresh water Peat | 8570 | 70 |  | -14.9 |  |  |
| Otvos 2004 | Sabine Bank Tx | Fresh water Peat | 7800 | 70 |  | -13.4 |  |  |
| Otvos 2004 | Sabine Lake LA | Balanus | 6732 | 58 |  | -8.2 |  |  |
| Reigh 2013 | Florida Middle Grounds | Worm rock | 8910 | 25 |  | -29 |  |  |
| Reigh 2013 | Florida Middle Grounds | Molluscan | 9190 | 25 |  | -31.2 |  |  |
| Reigh 2013 | Florida Middle Grounds | Worm rock | 8510 | 25 |  | -29.5 |  |  |
| Robbin 1984 | Florida Keys | Peat | 360 | 60 | 405 | 0 |  |  |
| Robbin 1984 | Florida Keys | Peat | 1740 | 60 | 1652 | -0.5 |  |  |
| Robbin 1984 | Florida Keys | Peat | 2090 | 90 | 2068 | -1 |  |  |
| Robbin 1984 | Florida Keys | Peat | 2460 | 74 | 2541 | -1.5 |  |  |
| Robbin 1984 | Florida Keys | Peat | 2530 | 80 | 2579 | -1 |  |  |
| Robbin 1984 | Florida Keys | Peat | 2580 | 70 | 2626 | -1.5 |  |  |
| Robbin 1984 | Florida Keys | Peat | 2650 | 90 | 2765 | -1.5 |  |  |
| Robbin 1984 | Florida Keys | Peat | 2850 | 60 | 2967 | -2 |  |  |
| Robbin 1984 | Florida Keys | Peat | 3170 | 70 | 3392 | -2.5 |  |  |
| Robbin 1984 | Florida Keys | Peat | 3710 | 70 | 4050 | -3 |  |  |
| Robbin 1984 | Florida Keys | Peat | 3970 | 100 | 4425 | -3.5 |  |  |
| Robbin 1984 | Florida Keys | Peat | 3980 | 80 | 4440 | -2 |  |  |
| Robbin 1984 | Florida Keys | Peat | 4050 | 90 | 4550 | -4 |  |  |
| Robbin 1984 | Florida Keys | Peat | 4080 | 90 | 4595 | -2.5 |  |  |
| Robbin 1984 | Florida Keys | Peat | 4150 | 150 | 4662 | -4.5 |  |  |
| Robbin 1984 | Florida Keys | Peat | 4160 | 140 | 4673 | -2.9 |  |  |
| Robbin 1984 | Florida Keys | Peat | 4220 | 80 | 4728 | -4.8 |  |  |
| Robbin 1984 | Florida Keys | Peat | 4800 | 100 | 5519 | -4.9 |  |  |
| Robbin 1984 | Florida Keys | Peat | 5550 | 167 | 6340 | -4.3 |  |  |
| Robbin 1984 | Florida Keys | Peat | 6060 | 60 | 6903 | -6.7 |  |  |
| Robbin 1984 | Florida Keys | Peat | 7280 | 130 | 8090 | -7.2 |  |  |
| Robbin 1984 | Florida Keys | Peat | 7595 | 85 | 8384 | -7.2 |  |  |
| Robbin 1984 | Florida Keys | Peat | 8010 | 165 | 8882 | -7.4 |  |  |
| Robbin 1984 | Florida Keys | Crust | 13740 | 140 | 16493 | -9.2 |  |  |
| Robbin 1984 | Florida Keys | Crust | 14700 | 400 | 17603 | -9.2 |  |  |
| Schnable and Goodell 1968 | Florida Apalachicola Gulf Coast | Wood Stump | 350 | 120 | 377 | 0 |  |  |
| Schnable and Goodell 1968 | Florida Apalachicola Gulf Coast | Wood Stump | 560 | 110 | 569 | 0 |  |  |
| Schnable and Goodell 1968 | Florida Apalachicola Gulf Coast | Wood in Sandy peat | 1390 | 175 | 1298 | 0.15 |  |  |
| Schnable and Goodell 1968 | Florida Apalachicola Gulf Coast | Sandy Peat | 1400 | 105 | 1311 | -0.3 |  |  |
| Schnable and Goodell 1968 | Florida Apalachicola Gulf Coast | Sandy Peat | 1400 | 105 | 1311 | -0.15 |  |  |
| Schnable and Goodell 1968 | Florida Apalachicola Gulf Coast | Sandy Peat | 1475 | 105 | 1385 | -0.15 |  |  |
| Schnable and Goodell 1968 | Florida Apalachicola Gulf Coast | Wood in Sandy peat | 3780 | 330 | 4173 | 1.52 |  |  |
| Schnable and Goodell 1968 | Florida Apalachicola Gulf Coast | *Crassostrea Virginica* | 4100 | 110 | 4614 | -5.49 |  |  |
| Schnable and Goodell 1968 | Florida Apalachicola Gulf Coast | *Crassostrea Virginica* | 4370 | 420 | 4943 | -3.81 |  |  |
| Schnable and Goodell 1968 | Florida Apalachicola Gulf Coast | Wood in Sandy peat | 4610 | 625 | 5201 | 0.15 |  |  |
| Schnable and Goodell 1968 | Florida Apalachicola Gulf Coast | *Rangia Cuneata* | 9950 | 180 | 11502 | -22.1 |  |  |
| Scholl and Stuvier 1967 | SW Florida Gulf Coast | Marine Shells | 1698 | 220 | 1674 | -0.48 |  |  |
| Scholl and Stuvier 1967 | SW Florida Gulf Coast | Marine Shells | 2466 | 168 | 2581 | -0.97 |  |  |
| Scholl and Stuvier 1967 | SW Florida Gulf Coast | Marine Shells | 2565 | 190 | 2763 | -0.82 |  |  |
| Scholl and Stuvier 1967 | SW Florida Gulf Coast | Calcitic mud | 2724 | 288 | 2911 | -1.53 |  |  |
| Scholl and Stuvier 1967 | SW Florida Gulf Coast | Mangrove and fresh water peat | 2894 | 273 | 3053 | -1.19 |  |  |
| Scholl and Stuvier 1967 | SW Florida Gulf Coast | Marine Shells | 2905 | 275 | 3127 | -1.21 |  |  |
| Scholl and Stuvier 1967 | SW Florida Gulf Coast | Mangrove Peat | 2985 | 169 | 3215 | -1.46 |  |  |
| Scholl and Stuvier 1967 | SW Florida Gulf Coast | Mangrove Peat | 3344 | 245 | 3674 | -1.49 |  |  |
| Scholl and Stuvier 1967 | SW Florida Gulf Coast | Fresh water peat | 3408 | 271 | 3685 | -0.91 |  |  |
| Scholl and Stuvier 1967 | SW Florida Gulf Coast | Fresh water peat | 3650 | 125 | 3978 | -1.7 |  |  |
| Scholl and Stuvier 1967 | SW Florida Gulf Coast | Fresh water peat | 3930 | 265 | 4365 | -1.92 |  |  |
| Scholl and Stuvier 1967 | SW Florida Gulf Coast | Fresh water peat | 4000 | 125 | 4473 | -1.86 |  |  |
| Schroeder et. Al., 1995 | NE Gulf of Mexico | Oyster Shells | 8480 | 90 | 9407 | -26.8 |  |  |
| Schroeder et. Al., 1995 | NE Gulf of Mexico | Oyster Shells | 8980 | 800 | 10129 | -25.3 |  |  |
| Schroeder et. Al., 1995 | NE Gulf of Mexico | Oyster Shells | 9040 | 90 | 10079 | -25.45 |  |  |
| Schroeder et. Al., 1995 | NE Gulf of Mexico | Oyster Shells | 9360 | 80 | 10509 | -31.2 |  |  |
| Schroeder et. Al., 1995 | NE Gulf of Mexico | Oyster Shells | 9650 | 110 | 10824 | -30.2 |  |  |
| Schroeder et. Al., 1995 | NE Gulf of Mexico | Oyster Shells | 10100 | 120 | 11491 | -35.05 |  |  |
| Schroeder et. Al., 1995 | NE Gulf of Mexico | Oyster Shells | 10290 | 130 | 11889 | -33.55 |  |  |
| Schroeder et. Al., 1995 | NE Gulf of Mexico | Oyster Shells | 10820 | 150 | 12715 | -40.45 |  |  |
| Schroeder et. Al., 1995 | NE Gulf of Mexico | Oyster Shells | 10860 | 120 | 12801 | -40.45 |  |  |
| Schroeder et. Al., 1995 | NE Gulf of Mexico | Oyster Shells | 15240 | 90 | 18099 | -40.4 |  |  |
| Shepherd 1960 | Texas Bays/Shelf and Louisiana Cheniers | Oyster Shell (TX bay) | 2050 | 200 | 2086 | -3.66 |  |  |
| Shepherd 1960 | Texas Bays/Shelf and Louisiana Cheniers | Oyster Shell (LA chenier) | 3200 | 100 | 3486 | -0.91 |  |  |
| Shepherd 1960 | Texas Bays/Shelf and Louisiana Cheniers | Oyster Shell (LA chenier) | 4900 | 100 | 5611 | -2.74 |  |  |
| Shepherd 1960 | Texas Bays/Shelf and Louisiana Cheniers | Oyster Shell (TX bay) | 5200 | 450 | 5969 | -5.79 |  |  |
| Shepherd 1960 | Texas Bays/Shelf and Louisiana Cheniers | Oyster Shell (LA chenier) | 5600 | 100 | 6408 | -3.66 |  |  |
| Shepherd 1960 | Texas Bays/Shelf and Louisiana Cheniers | Oyster Shell (TX shelf) | 8600 | 200 | 9547 | -21.95 |  |  |
| Shepherd 1960 | Texas Bays/Shelf and Louisiana Cheniers | Oyster Shell (TX bay) | 8950 | 1000 | 10143 | -16.15 |  |  |
| Shepherd 1960 | Texas Bays/Shelf and Louisiana Cheniers | Oyster Shell (TX bay) | 9350 | 300 | 10514 | -22.86 |  |  |
| Shepherd 1960 | Texas Bays/Shelf and Louisiana Cheniers | Oyster Shell (TX shelf) | 9400 | 250 | 10572 | -45.42 |  |  |
| Shepherd 1960 | Texas Bays/Shelf and Louisiana Cheniers | Oyster Shell (TX bay) | 9800 | 200 | 11093 | -27.43 |  |  |
| Shepherd 1960 | Texas Bays/Shelf and Louisiana Cheniers | Oyster Shell (TX shelf) | 9950 | 300 | 11369 | -41.15 |  |  |
| Shier 1969 | Florida Ten Thousand Island | Fibrous Mangrove Peat | 380 | 150 | 393 | -0.08 |  |  |
| Shier 1969 | Florida Ten Thousand Island | Fibrous Mangrove Peat | 2285 | 150 | 2382 | -1.35 |  |  |
| Shier 1969 | Florida Ten Thousand Island | Fibrous Mangrove Peat | 3800 | 150 | 4261 | -3.85 |  |  |
| Smith 1969 | SW Florida Gulf Coast | Rhizophora | 4950 | 120 | 5710 | -3.2 |  |  |
| Spackman et al. 1966 | Southwest Florida Gulf Coast | Rhizophora | 2830 | 170 | 3039 | -1.71 |  |  |
| Spackman et al. 1966 | Southwest Florida Gulf Coast | Basal Freshwater | 4080 | 180 | 4574 | -4.04 |  |  |
| Stapor and Stone (2004) Walker et al. (1995) | Louisiana and SW Florida Gulf Coast | Shell Material | 1708 | 61 | 1,600 | 1.6 |  |  |
| Stapor and Stone (2004) Walker et al. (1995) | Louisiana and SW Florida Gulf Coast | Shell Material | 1848 | 65 | 1750 | 1 |  |  |
| Stapor and Stone (2004) Walker et al. (1995) | Louisiana and SW Florida Gulf Coast | Shell Material | 1984 | 69 | 1900 | 0 |  |  |
| Stapor and Stone (2004) Walker et al. (1995) | Louisiana and SW Florida Gulf Coast | Shell Material | 2072 | 71 | 2000 | -1 |  |  |
| Stapor and Stone (2004) Walker et al. (1995) | Louisiana and SW Florida Gulf Coast | Shell Material | 2488 | n/a | 2500 | -1.5 |  |  |
| Stapor and Stone (2004) Walker et al. (1995) | Louisiana and SW Florida Gulf Coast | Shell Material | 2876 | n/a | 3000 | -1.5 |  |  |
| Stapor and Stone (2004) Walker et al. (1995) | Louisiana and SW Florida Gulf Coast | Shell Material | 3252 | n/a | 3500 | -1.5 |  |  |
| Stapor and Stone (2004) Walker et al. (1995) | Louisiana and SW Florida Gulf Coast | Shell Material | 3400 | n/a | 3750 | -1.3 |  |  |
| Stapor and Stone (2004) Walker et al. (1995) | Louisiana and SW Florida Gulf Coast | Shell Material | 3591 | n/a | 3950 | 0 |  |  |
| Stapor and Stone (2004) Walker et al. (1995) | Louisiana and SW Florida Gulf Coast | Shell Material | 3781 | n/a | 4200 | 1.7 |  |  |
| Stapor and Stone (2004) Walker et al. (1995) | Louisiana and SW Florida Gulf Coast | Shell Material | 4013 | n/a | 4500 | 1.8 |  |  |
| Stapor and Stone (2004) Walker et al. (1995) | Louisiana and SW Florida Gulf Coast | Shell Material | 4412 | n/a | 5000 | 1.8 |  |  |
| Stapor and Stone (2004) Walker et al. (1995) | Louisiana and SW Florida Gulf Coast | Shell Material | 186 | 21 | 300 | -0.5 |  |  |
| Stapor and Stone (2004) Walker et al. (1995) | Louisiana and SW Florida Gulf Coast | Shell Material | 725 | 34 | 700 | 0.4 |  |  |
| Stapor and Stone (2004) Walker et al. (1995) | Louisiana and SW Florida Gulf Coast | Shell Material | 1083 | 43 | 1000 | 0 |  |  |
| Stapor and Stone (2004) Walker et al. (1995) | Louisiana and SW Florida Gulf Coast | Shell Material | 1250 | 48 | 1150 | -0.85 |  |  |
| Stapor and Stone (2004) Walker et al. (1995) | Louisiana and SW Florida Gulf Coast | Shell Material | 1481 | 55 | 1370 | -0.9 |  |  |
| Stapor and Stone (2004) Walker et al. (1995) | Louisiana and SW Florida Gulf Coast | Shell Material | 1581 | 58 | 1470 | 0 |  |  |
| Stapor and Stone (2004) Walker et al. (1995) | Louisiana and SW Florida Gulf Coast | Shell Material | 1611 | 59 | 1500 | 1 |  |  |
| Stapor, Tanner 1977; Tanner1989, 1991a,1991b, 1992a,1993 | St Vincent Island Florida |  | 0 | 0 | 0 | 0 |  |  |
| Stapor, Tanner 1977; Tanner1989, 1991a,1991b, 1992a,1993 | St Vincent Island Florida |  | 405 | 3 | 450 | -0.15 |  |  |
| Stapor, Tanner 1977; Tanner1989, 1991a,1991b, 1992a,1993 | St Vincent Island Florida |  | 841 | 18 | 800 | 0.1 |  |  |
| Stapor, Tanner 1977; Tanner1989, 1991a,1991b, 1992a,1993 | St Vincent Island Florida |  | 1342 | 26 | 1250 | -2 |  |  |
| Stapor, Tanner 1977; Tanner1989, 1991a,1991b, 1992a,1993 | St Vincent Island Florida |  | 1835 | 33 | 1750 | 1 |  |  |
| Stapor, Tanner 1977; Tanner1989, 1991a,1991b, 1992a,1993 | St Vincent Island Florida |  | 2320 | 36 | 2300 | -0.75 |  |  |
| Stapor, Tanner 1977; Tanner1989, 1991a,1991b, 1992a,1993 | St Vincent Island Florida |  | 2566 | n/a | 2600 | 0.3 |  |  |
| Stapor, Tanner 1977; Tanner1989, 1991a,1991b, 1992a,1993 | St Vincent Island Florida |  | 2808 | 48 | 2900 | -1.5 |  |  |
| Stapor, Tanner 1977; Tanner1989, 1991a,1991b, 1992a,1993 | St Vincent Island Florida |  | 3482 | 56 | 3800 | -1.5 |  |  |
| Stapor, Tanner 1977; Tanner1989, 1991a,1991b, 1992a,1993 | St Vincent Island Florida |  | 3781 | n/a | 4200 | 1.5 |  |  |
| Stapor, Tanner 1977; Tanner1989, 1991a,1991b, 1992a,1993 | St Vincent Island Florida |  | 5054 | n/a | 5800 | 1.5 |  |  |
| Toscano Macintyre 2003 | Upper Florida Keys | Coral *Acropora palmata* | 8141 | 76 |  | -17.5 |  |  |
| Toscano Macintyre 2003 | Upper Florida Keys | Coral *Acropora palmata* | 8806 | 90 |  | -27 |  |  |
| Toscano Macintyre 2003 | Upper Florida Keys | Coral *Acropora palmata* | 7696 | 70 |  | -23 |  |  |
| Toscano Macintyre 2003 | Upper Florida Keys | Coral *Acropora palmata* | 9301 | 95 |  | -24 |  |  |
| Toscano Macintyre 2003 | Upper Florida Keys | Coral *Acropora palmata* | 8411 | 90 |  | -19.5 |  |  |
| Toscano Macintyre 2003 | Upper Florida Keys | Coral *Acropora palmata* | 8696 | 99 |  | -18 |  |  |
| Toscano Macintyre 2003 | Upper Florida Keys | Coral *Acropora palmata* | 9841 | 94 |  | -26.5 |  |  |
| Toscano Macintyre 2003 | Upper Florida Keys | Coral *Acropora palmata* | 8241 | 76 |  | -16.5 |  |  |
| Toscano Macintyre 2003 | Upper Florida Keys | Coral *Acropora palmata* | 7996 | 81 |  | -20.5 |  |  |
| Toscano Macintyre 2003 | Upper Florida Keys | Coral *Acropora palmata* | 7546 | 90 |  | -17.5 |  |  |
| Toscano Macintyre 2003 | Upper Florida Keys | Coral *Acropora palmata* | 6351 | 99 |  | -7.8 |  |  |
| Toscano Macintyre 2003 | Upper Florida Keys | Coral *Acropora palmata* | 6601 | 90 |  | -7.8 |  |  |
| Toscano Macintyre 2003 | Upper Florida Keys | Coral *Acropora palmata* | 6471 | 72 |  | -7.9 |  |  |
| Toscano Macintyre 2003 | Upper Florida Keys | Coral *Acropora palmata* | 6761 | 81 |  | -8.5 |  |  |
| Toscano Macintyre 2003 | Upper Florida Keys | Coral *Acropora palmata* | 6751 | 72 |  | -8.6 |  |  |
| Toscano Macintyre 2003 | Upper Florida Keys | Coral *Acropora palmata* | 6871 | 99 |  | -8.7 |  |  |
| Toscano Macintyre 2003 | Upper Florida Keys | Coral *Acropora palmata* | 6921 | 72 |  | -8.7 |  |  |
| Toscano Macintyre 2003 | Upper Florida Keys | Coral *Acropora palmata* | 6711 | 72 |  | -8.7 |  |  |
| Toscano Macintyre 2003 | Upper Florida Keys | Coral *Acropora palmata* | 6481 | 72 |  | -9.5 |  |  |
| Toscano Macintyre 2003 | Upper Florida Keys | Coral *Acropora palmata* | 6641 | 90 |  | -9.5 |  |  |
| Toscano Macintyre 2003 | Upper Florida Keys | Coral *Acropora palmata* |  |  |  | -9.3 | 6900 | 170 |
| Toscano Macintyre 2003 | Upper Florida Keys | Coral *Acropora palmata* |  |  |  | -9.6 | 6700 | 130 |
| Toscano Macintyre 2003 | Upper Florida Keys | Coral *Acropora palmata* |  |  |  | -11.5 | 8000 | 90 |
| Toscano Macintyre 2003 | Upper Florida Keys | Coral *Acropora palmata* |  |  |  | -11.3 | 8200 | 100 |
| Toscano Macintyre 2003 | Upper Florida Keys | Coral *Acropora palmata* |  |  |  | -9.7 | 7000 | 190 |
| Toscano Macintyre 2003 | Abaco Reef, Bahamas | Coral *Acropora palmata* | 3685 | 70 |  | -7.0 |  |  |
| Toscano Macintyre 2003 | Abaco Reef, Bahamas | Coral *Acropora palmata* | 3795 | 90 |  | -6.4 |  |  |
| Toscano Macintyre 2003 | Abaco Reef, Bahamas | Coral *Acropora palmata* | 3985 | 90 |  | -5.5 |  |  |
| Toscano Macintyre 2003 | Abaco Reef, Bahamas | Coral *Acropora palmata* | 4515 | 80 |  | -6.8 |  |  |
| Toscano Macintyre 2003 | Martinique | Coral *Acropora palmata* | 1670 | 120 |  | -4.0 |  |  |
| Toscano Macintyre 2003 | Martinique | Coral *Acropora palmata* | 805 | 55 |  | -1.0 |  |  |
| Toscano Macintyre 2003 | Martinique | Coral *Acropora palmata* | 560 | 110 |  | -0.9 |  |  |
| Toscano Macintyre 2003 | Martinique | Coral *Acropora palmata* | 1980 | 65 |  | -2.0 |  |  |
| Toscano Macintyre 2003 | Martinique | Coral *Acropora palmata* | 2110 | 120 |  | -4.0 |  |  |
| Toscano Macintyre 2003 | Panama | Coral *Acropora palmata* | 6150 | 95 |  | -12.5 |  |  |
| Toscano Macintyre 2003 | Panama | Coral *Acropora palmata* | 6500 | 100 |  | -12.3 |  |  |
| Toscano Macintyre 2003 | Panama | Coral *Acropora palmata* | 6680 | 110 |  | -11.5 |  |  |
| Toscano Macintyre 2003 | Panama | Coral *Acropora palmata* | 5610 | 95 |  | -6.8 |  |  |
| Toscano Macintyre 2003 | Panama | Coral *Acropora palmata* | 5120 | 65 |  | -6.0 |  |  |
| Toscano Macintyre 2003 | Panama | Coral *Acropora palmata* | 4840 | 85 |  | -5.8 |  |  |
| Toscano Macintyre 2003 | Panama | Coral *Acropora palmata* | 3535 | 80 |  | -5.5 |  |  |
| Toscano Macintyre 2003 | Panama | Coral *Acropora palmata* | 3755 | 85 |  | -3.8 |  |  |
| Toscano Macintyre 2003 | St. Croix, USVI | Coral *Acropora palmata* | 6135 | 80 |  | -10.4 |  |  |
| Toscano Macintyre 2003 | St. Croix, USVI | Coral *Acropora palmata* | 5490 | 85 |  | -7.2 |  |  |
| Toscano Macintyre 2003 | St. Croix, USVI | Coral *Acropora palmata* | 720 | 80 |  | -1.2 |  |  |
| Toscano Macintyre 2003 | St. Croix, USVI | Coral *Acropora palmata* | 9075 | 70 |  | -23.5 |  |  |
| Toscano Macintyre 2003 | St. Croix, USVI | Coral *Acropora palmata* | 1850 | 65 |  | -2.7 |  |  |
| Toscano Macintyre 2003 | St. Croix, USVI | Coral *Acropora palmata* | 4040 | 95 |  | -8.5 |  |  |
| Toscano Macintyre 2003 | St. Croix, USVI | Coral *Acropora palmata* | 7240 | 70 |  | -13.0 |  |  |
| Toscano Macintyre 2003 | St. Croix, USVI | Coral *Acropora palmata* | 970 | 95 |  | -3.7 |  |  |
| Toscano Macintyre 2003 | Abaco Reef, Bahamas | Coral *Acropora palmata* | 3580 | 90 |  | -7.3 |  |  |
| Blanchon et al 2001 | Grand Cayman | Coral *Acropora palmata* |  |  |  | -20 | 4916 | 205 |
| Blanchon et al 2001 | Grand Cayman | Coral *Acropora palmata* |  |  |  | -21 | 8198 | 82 |
| Blanchon et al 2001 | Grand Cayman | Coral *Acropora palmata* |  |  |  | -20.7 | 8122 | 101 |
| Blanchon et al 2001 | Grand Cayman | Coral *Acropora palmata* |  |  |  | -22 | 6025 | 350 |
| Blanchon et al 2001 | Grand Cayman | Coral *Acropora palmata* |  |  |  | -22.8 | 8354 | 75 |
| Blanchon et al 2001 | Grand Cayman | Coral *Acropora palmata* |  |  |  | -23.5 | 8933 | 180 |
| Blanchon et al 2001 | Grand Cayman | Coral *Acropora palmata* |  |  |  | -21 | 8658 | 74 |
| Blanchon et al 2001 | Grand Cayman | Coral *Acropora palmata* |  |  |  | -21.9 | 8953 | 149 |
| Blanchon et al 2001 | Grand Cayman | Coral *Acropora palmata* |  |  |  | -22.2 | 9878 | 97 |

**APPENDIX C**

**EDITED DATASET**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Investigator | Location | Material Dated | Calibrated Date | Error+/- | Depth Relitive to MSL | 230TH/234U Age | 230TH/234U Error | Score |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) | 21933 | 74 | -130.57 | 21933 | 74 | 5 |
| Bard et al (1990) | Barbados | P. asteroides (coral) | 21930 | 150 | -124 | 21930 | 150 | 5 |
| Fairbanks 1989, 1990 | Barbados | Corals | 21537 | 277 | -130.57 |  |  | 5 |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) | 20807 | 60 | -125.44 | 20807 | 60 | 5 |
| Bard et al (1990) | Barbados | P. asteroides (coral) | 20610 | 120 | -120 | 20610 | 120 | 5 |
| Fairbanks 1989, 1990 | Barbados | Corals | 20136 | 322 | -119.48 |  |  | 5 |
| Fairbanks 1989, 1990 | Barbados | Corals | 19675 | 368 | -125.44 |  |  | 5 |
| Fairbanks 1989, 1990 | Barbados | Corals | 19155 | 243 | -119.48 |  |  | 5 |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) | 19035 | 46 | -119.48 | 19035 | 46 | 5 |
| Bard et al (1990) | Barbados | A. palmata (coral) | 19030 | 100 | -114 | 19030 | 100 | 5 |
| Fairbanks 1989, 1990 | Barbados | Corals | 19005 | 157 | -119.48 |  |  | 5 |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) | 18985 | 46 | -119.48 | 18985 | 46 | 5 |
| Bard et al (1990) | Barbados | A. palmata (coral) | 18980 | 90 | -114 | 18980 | 90 | 5 |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) | 18895 | 46 | -114.6 | 18895 | 46 | 5 |
| Bard et al (1990) | Barbados | A. palmata (coral) | 18890 | 250 | -109 | 18890 | 250 | 5 |
| Fairbanks 1989, 1990 | Barbados | Corals | 18890 | 238 | -114.6 |  |  | 5 |
| Fairbanks 1989, 1990 | Barbados | Corals | 18709 | 129 | -119.13 |  |  | 5 |
| Fairbanks 1989, 1990 | Barbados | Corals | 18479 | 191 | -108.4 |  |  | 5 |
| Frazier 1974 | NW Gulf of Mexico | Inner-neritic pelecypods | 18427 | 586 | -106.47 |  |  | 2 |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) | 18241 | 71 | -111.19 | 18241 | 71 | 5 |
| Bard et al (1990) | Barbados | A. palmata (coral) | 18240 | 140 | -106 | 18240 | 140 | 5 |
| Fairbanks 1989, 1990 | Barbados | Corals | 18231 | 227 | -114.6 |  |  | 5 |
| Fairbanks 1989, 1990 | Barbados | Corals | 18221 | 228 | -111.19 |  |  | 5 |
| Fairbanks 1989, 1990 | Barbados | Corals | 18011 | 241 | -119.13 |  |  | 5 |
| Fairbanks 1989, 1990 | Barbados | Corals | 17884 | 199 | -114.28 |  |  | 5 |
| Fairbanks 1989, 1990 | Barbados | Corals | 17689 | 251 | -111.19 |  |  | 5 |
| Fairbanks 1989, 1990 | Barbados | Corals | 17536 | 367 | -112.36 |  |  | 5 |
| Fairbanks 1989, 1990 | Barbados | Corals | 17398 | 275 | -111.19 |  |  | 5 |
| Fairbanks 1989, 1990 | Barbados | Corals | 16895 | 243 | -110.83 |  |  | 5 |
| Fairbanks 1989, 1990 | Barbados | Corals | 16807 | 253 | -106.9 |  |  | 5 |
| Bard et al (1990) | Barbados | A. palmata (coral) | 14700 | 100 | -94 | 14700 | 100 | 5 |
| Bard et al (1990) | Barbados | A. palmata (coral) | 14660 | 160 | -94 | 14660 | 160 | 5 |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) | 14656 | 82 | -98.06 | 14656 | 82 | 5 |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) | 14234 | 50 | -92.61 | 14234 | 50 | 5 |
| Bard et al (1990) | Barbados | A. palmata (coral) | 14230 | 100 | -89 | 14230 | 100 | 5 |
| Fairbanks 1989, 1990 | Barbados | Corals | 13985 | 132 | -98.06 |  |  | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 13979 | 40 | -80.2 | 13979 | 40 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 13958 | 30 | -81.2 | 13958 | 30 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 13933 | 52 | -80.2 | 13933 | 52 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 13900 | 22 | -81.3 | 13900 | 22 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 13886 | 32 | -76.6 | 13886 | 32 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 13811 | 32 | -78.4 | 13811 | 32 | 5 |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) | 13804 | 69 | -73.85 | 13804 | 69 | 5 |
| Bard et al (1990) | Barbados | A. palmata (coral) | 13800 | 140 | -70 | 13800 | 140 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 13764 | 31 | -77.1 | 13764 | 31 | 5 |
| Fairbanks 1989, 1990 | Barbados | Corals | 13764 | 145 | -93.69 |  |  | 5 |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) | 13703 | 87 | -73.41 | 13703 | 87 | 5 |
| Bard et al (1990) | Barbados | A. palmata (coral) | 13700 | 170 | -69 | 13700 | 170 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 13682 | 16 | -74.5 | 13682 | 16 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 13671 | 28 | -76.6 | 13671 | 28 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 13670 | 38 | -79.6 | 13670 | 38 | 5 |
| Bard et al (1990) | Barbados | A. palmata (coral) | 13660 | 140 | -70 | 13660 | 140 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 13628 | 26 | -74.2 | 13628 | 26 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 13624 | 26 | -74.0 | 13624 | 26 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 13623 | 29 | -74.9 | 13623 | 29 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 13605 | 19 | -73.7 | 13605 | 19 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 13409 | 36 | -75.0 | 13409 | 36 | 5 |
| Frazier 1974 | NW Gulf of Mexico | Inner-neritic pelecypods | 13377 | 267 | -69.8 |  |  | 2 |
| Fairbanks 1989, 1990 | Barbados | Corals | 13317 | 98 | -73.41 |  |  | 4 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 13288 | 56 | -69.9 | 13288 | 56 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 13278 | 10 | -69.9 | 13278 | 10 | 5 |
| Fairbanks 1989, 1990 | Barbados | Corals | 13273 | 99 | -73.85 |  |  | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 13258 | 25 | -72.7 | 13258 | 25 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 13229 | 16 | -70.3 | 13229 | 16 | 5 |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) | 13226 | 56 | -69.19 | 13226 | 56 | 5 |
| Bard et al (1990) | Barbados | A. palmata (coral) | 13220 | 110 | -65 | 13220 | 110 | 5 |
| Fairbanks 1989, 1990 | Barbados | Corals | 13186 | 206 | -73.85 |  |  | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 13182 | 24 | -72.4 | 13182 | 24 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 13177 | 28 | -70.6 | 13177 | 28 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 13161 | 25 | -70.2 | 13161 | 25 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 13156 | 42 | -71.4 | 13156 | 42 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 13138 | 32 | -71.4 | 13138 | 32 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 13123 | 26 | -70.6 | 13123 | 26 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 13116 | 17 | -68.2 | 13116 | 17 | 5 |
| Fairbanks 1989, 1990 | Barbados | Corals | 13111 | 149 | -69.19 |  |  | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 13106 | 34 | -70.7 | 13106 | 34 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 13082 | 30 | -71.4 | 13082 | 30 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 13046 | 30 | -66.5 | 13046 | 30 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 13017 | 10 | -66.7 | 13017 | 10 | 5 |
| Fairbanks 1989, 1990 | Barbados | Corals | 12976 | 119 | -72.95 |  |  | 5 |
| Bard et al (1990) | Barbados | A. palmata (coral) | 12970 | 120 | -65 | 12970 | 120 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 12969 | 17 | -68.2 | 12969 | 17 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 12954 | 23 | -66.6 | 12954 | 23 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 12900 | 19 | -69.2 | 12900 | 19 | 5 |
| Fairbanks 1989, 1990 | Barbados | Corals | 12872 | 115 | -72.95 |  |  | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 12866 | 37 | -66.5 | 12866 | 37 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 12853 | 18 | -67.1 | 12853 | 18 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 12848 | 25 | -64.8 | 12848 | 25 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 12831 | 15 | -68.8 | 12831 | 15 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 12804 | 30 | -67.1 | 12804 | 30 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 12722 | 31 | -68.8 | 12722 | 31 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 12710 | 16 | -68.7 | 12710 | 16 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 12707 | 37 | -67.2 | 12707 | 37 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 12661 | 19 | -68.6 | 12661 | 19 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 12650 | 30 | -66.5 | 12650 | 30 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 12550 | 26 | -64.1 | 12550 | 26 | 5 |
| Frazier 1974 | NW Gulf of Mexico | Inner-neritic pelecypods | 12473 | 403 | -65.53 |  |  | 3 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 12460 | 9 | -64.1 | 12460 | 9 | 5 |
| Fairbanks 1989, 1990 | Barbados | Corals | 12397 | 154 | -69.19 |  |  | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 12344 | 23 | -64.0 | 12344 | 23 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 12323 | 26 | -63.1 | 12323 | 26 | 5 |
| Fairbanks 1989, 1990 | Barbados | Corals | 12321 | 285 | -65.96 |  |  | 5 |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) | 12263 | 43 | -61.21 | 12263 | 43 | 5 |
| Bard et al (1990) | Barbados | A. palmata (coral) | 12260 | 90 | -58 | 12260 | 90 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 12253 | 38 | -61.7 | 12253 | 38 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 12220 | 15 | -61.9 | 12220 | 15 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 12118 | 40 | -61.4 | 12118 | 40 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 11947 | 26 | -60.1 | 11947 | 26 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 11934 | 19 | -59.6 | 11934 | 19 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 11888 | 42 | -59.6 | 11888 | 42 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 11848 | 24 | -61.1 | 11848 | 24 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 11840 | 12 | -62.2 | 11840 | 12 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 11736 | 34 | -61.0 | 11736 | 34 | 5 |
| Fairbanks 1989, 1990 | Barbados | Corals | 11677 | 213 | -63.99 |  |  | 4 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 11644 | 8 | -58.7 | 11644 | 8 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 11641 | 12 | -59.0 | 11641 | 12 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 11613 | 10 | -58.8 | 11613 | 10 | 5 |
| Bard et al (1990) | Barbados | A. palmata (coral) | 11590 | 60 | -53 | 11590 | 60 | 5 |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) | 11587 | 30 | -56.42 | 11587 | 30 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 11582 | 16 | -58.6 | 11582 | 16 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 11562 | 17 | -58.2 | 11562 | 17 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 11551 | 12 | -61.2 | 11551 | 12 | 5 |
| Bard et al (1990) | Barbados | A. palmata (coral) | 11530 | 70 | -55 | 11530 | 70 | 5 |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) | 11526 | 37 | -57.92 | 11526 | 37 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 11479 | 16 | -58.3 | 11479 | 16 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 11466 | 24 | -61.2 | 11466 | 24 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 11443 | 30 | -56.9 | 11443 | 30 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 11440 | 14 | -56.9 | 11440 | 14 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 11410 | 29 | -60.6 | 11410 | 29 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 11366 | 35 | -59.1 | 11366 | 35 | 5 |
| Fairbanks 1989, 1990 | Barbados | Corals | 11360 | 180 | -61.21 |  |  | 4 |
| McBride, 1997 | NE Gulf of Mexico | Chione canellata | 11193 | 71 | -37.18 |  |  | 4 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 11125 | 15 | -44.5 | 11125 | 15 | 5 |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) | 11094 | 37 | -43.9 | 11094 | 37 | 5 |
| Bard et al (1990) | Barbados | A. palmata (coral) | 11090 | 70 | -41 | 11090 | 70 | 5 |
| Fairbanks 1989, 1990 | Barbados | Corals | 11087 | 130 | -56.42 |  |  | 4 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 11044 | 32 | -44.5 | 11044 | 32 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 10923 | 32 | -44.2 | 10923 | 32 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 10923 | 44 | -45.5 | 10923 | 44 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 10880 | 24 | -42.8 | 10880 | 24 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 10879 | 37 | -42.7 | 10879 | 37 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 10874 | 25 | -41.6 | 10874 | 25 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 10860 | 35 | -44.2 | 10860 | 35 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 10837 | 7 | -42.4 | 10837 | 7 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 10832 | 22 | -42.7 | 10832 | 22 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 10815 | 36 | -41.6 | 10815 | 36 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 10786 | 7 | -42.4 | 10786 | 7 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 10757 | 30 | -41.6 | 10757 | 30 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 10673 | 25 | -41.5 | 10673 | 25 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 10658 | 6 | -41.1 | 10658 | 6 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 10648 | 15 | -39.7 | 10648 | 15 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 10557 | 10 | -41.3 | 10557 | 10 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 10556 | 23 | -41.1 | 10556 | 23 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 10552 | 21 | -41.3 | 10552 | 21 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 10536 | 29 | -40.0 | 10536 | 29 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 10529 | 19 | -41.2 | 10529 | 19 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 10515 | 24 | -41.3 | 10515 | 24 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 10490 | 37 | -39.9 | 10490 | 37 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 10402 | 7 | -37.4 | 10402 | 7 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 10344 | 11 | -36.9 | 10344 | 11 | 5 |
| Mallinson et al 2003 | Dry Tortugas | Coral | 10277 | 75 | -31.2 |  |  | 4 |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) | 10253 | 132 | -43.9 |  |  | 4 |
| Toscano Macintyre 2003 | Upper Florida Keys | Coral *Acropora palmata* | 10115 | 137 | -24 |  |  | 4 |
| Reigh 2013 | Florida Middle Grounds | Molluscan | 10003 | 67 | -31.2 |  |  | 4 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 9972 | 21 | -33.6 | 9972 | 21 | 5 |
| Blanchon et al 2001 | Grand Cayman | Coral *Acropora palmata* | 9878 | 97 | -22.2 |  |  | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 9782 | 21 | -33.3 | 9782 | 21 | 5 |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) | 9780 | 175 | -33.09 |  |  | 4 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 9779 | 10 | -31.6 | 9779 | 10 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 9739 | 30 | -33.1 | 9739 | 30 | 5 |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) | 9734 | 24 | -33.09 | 9734 | 24 | 5 |
| Bard et al (1990) | Barbados | A. palmata (coral) | 9730 | 50 | -30 | 9730 | 50 | 5 |
| Morton et. Al., 2000 | Texas Gulf Coast | Peat | 9728 | 123 | -20.5 |  |  | 3 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 9710 | 26 | -32.7 | 9710 | 26 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 9708 | 9 | -33.6 | 9708 | 9 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 9653 | 17 | -32.8 | 9653 | 17 | 5 |
| Reigh 2013 | Florida Middle Grounds | Worm rock | 9547 | 39 | -29 |  |  | 3 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 9515 | 22 | -30.3 | 9515 | 22 | 5 |
| Frazier 1974 | NW Gulf of Mexico | Inner-neritic pelecypods | 9475 | 239 | -28.96 |  |  | 3 |
| Toscano Macintyre 2003 | Upper Florida Keys | Coral *Acropora palmata* | 9468 | 101 | -27 |  |  | 4 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 9412 | 18 | -29.2 | 9412 | 18 | 5 |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) | 9354 | 114 | -33.19 |  |  | 4 |
| Frazier 1974 | NW Gulf of Mexico | Inner-neritic pelecypods | 9346 | 258 | -22.25 |  |  | 4 |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) | 9285 | 47 | -28.2 | 9285 | 47 | 5 |
| Bard et al (1990) | Barbados | A. palmata (coral) | 9280 | 100 | -25 | 9280 | 100 | 5 |
| Bard et al (1990) | Barbados | A. palmata (coral) | 9250 | 80 | -25 | 9250 | 80 | 5 |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) | 9249 | 42 | -28.2 | 9249 | 42 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  | -28.5 | 9205 | 18 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* |  |  | -26.7 | 9167 | 5 | 5 |
| Reigh 2013 | Florida Middle Grounds | Worm rock | 9133 | 58 | -29.5 |  |  | 4 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 9076 | 28 | -27.3 | 9076 | 28 | 5 |
| Abdul 2016 | Barbados | Coral *Acropora palmata* | 9066 | 8 | -25.6 | 9066 | 8 | 5 |
| Toscano Macintyre 2003 | Upper Florida Keys | Coral *Acropora palmata* | 9011 | 140 | -19.5 |  |  | 4 |
| Blanchon et al 2001 | Grand Cayman | Coral *Acropora palmata* | 8953 | 149 | -21.9 |  |  | 5 |
| Blanchon et al 2001 | Grand Cayman | Coral *Acropora palmata* | 8933 | 180 | -23.5 |  |  | 5 |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) | 8897 | 112 | -29.69 |  |  | 4 |
| Nelson and Bray 1970 | Texas Gulf Coast | Peat | 8858 | 252 | -21.64 |  |  | 3 |
| Morton et. Al., 2000 | Texas Gulf Coast | Rangia | 8789 | 207 | -24.1 |  |  | 3 |
| Toscano Macintyre 2003 | Upper Florida Keys | Coral *Acropora palmata* | 8771 | 115 | -16.5 |  |  | 4 |
| Milliken etal. 2008 | Sabine Lake LA | Peat | 8737 | 106 | -14.9 |  |  | 3 |
| Nelson and Bray 1970 | Texas Gulf Coast | Peat | 8728 | 297 | -22.17 |  |  | 3 |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) | 8720 | 140 | -28.2 |  |  | 4 |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) | 8717 | 155 | -25.07 |  |  | 4 |
| Frazier 1974 | NW Gulf of Mexico | Bay pelecypods | 8679 | 223 | -20.18 |  |  | 4 |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) | 8671 | 151 | -28.2 |  |  | 4 |
| Blanchon et al 2001 | Grand Cayman | Coral *Acropora palmata* | 8658 | 74 | -21 |  |  | 5 |
| Toscano Macintyre 2003 | Upper Florida Keys | Coral *Acropora palmata* | 8630 | 117 | -17.5 |  |  | 4 |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) | 8594 | 222 | -28.2 |  |  | 4 |
| Otvos 2004 | Sabine Bank Tx | Fresh water Peat | 8584 | 110 | -13.4 |  |  | 3 |
| Milliken etal. 2008 | Galveston Bay TX | Wood | 8513 | 59 | -13.4 |  |  | 3 |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) | 8471 | 81 | -24.34 |  |  | 4 |
| Toscano Macintyre 2003 | Upper Florida Keys | Coral *Acropora palmata* | 8460 | 87 | -20.5 |  |  | 4 |
| Bard et al (1990) | Barbados | A. palmata (coral) | 8450 | 50 | -19 | 8450 | 50 | 5 |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) | 8449 | 24 | -21.15 | 8449 | 24 | 5 |
| Blanchon et al 2001 | Grand Cayman | Coral *Acropora palmata* | 8354 | 75 | -22.8 |  |  | 5 |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) | 8241 | 114 | -21.15 |  |  | 4 |
| Toscano Macintyre 2003 | Upper Florida Keys | Coral *Acropora palmata* | 8200 | 100 | -11.3 | 8200 | 100 | 5 |
| Blanchon et al 2001 | Grand Cayman | Coral *Acropora palmata* | 8198 | 82 | -21 |  |  | 5 |
| Toscano Macintyre 2003 | Upper Florida Keys | Coral *Acropora palmata* | 8159 | 84 | -23 |  |  | 4 |
| Blanchon et al 2001 | Grand Cayman | Coral *Acropora palmata* | 8122 | 101 | -20.7 |  |  | 5 |
| Frazier 1974 | NW Gulf of Mexico | Brackish-marsh Peat | 8073 | 158 | -12.19 |  |  | 3 |
| Faught & Donoghue, 1997 | NE Gulf of Mexico | Quercus stump (terrestrial) | 8070 | 101 | -4.3 |  |  | 2 |
| Toscano Macintyre 2003 | Upper Florida Keys | Coral *Acropora palmata* | 8010 | 96 | -17.5 |  |  | 4 |
| Toscano Macintyre 2003 | Upper Florida Keys | Coral *Acropora palmata* | 8000 | 90 | -11.5 | 8000 | 90 | 4 |
| Milliken etal. 2008 | Calcasieu Lake LA | Peat | 7998 | 46 | -11 |  |  | 3 |
| Faught & Donoghue, 1997 | NE Gulf of Mexico | Wood in sandy clay (terrestrial) | 7986 | 102 | -7 |  |  | 3 |
| Faught & Donoghue, 1997 | NE Gulf of Mexico | Wood in sandy clay (terrestrial) | 7955 | 80 | -6.4 |  |  | 3 |
| Milliken etal. 2008 | Sabine Lake LA | Peat | 7942 | 45 | -8.1 |  |  | 3 |
| Davies 1980 | Florida Gulf Coast | Rhizophora Avicennia | 7914 | 167 | -4.9 |  |  | 3 |
| Frazier 1974 | NW Gulf of Mexico | Brackish-marsh Peat | 7856 | 150 | -7.54 |  |  | 3 |
| Morton et. Al., 2000 | Texas Gulf Coast | Peat | 7849 | 79 | -8.3 |  |  | 3 |
| Blum et. Al., 2001 | Texas Gulf Coast | Carbonized plant fragments | 7845 | 66 | -8.8 |  |  | 3 |
| Faught & Donoghue, 1997 | NE Gulf of Mexico | Wood in sandy clay (terrestrial) | 7840 | 79 | -7.3 |  |  | 3 |
| Morton et. Al., 2000 | Texas Gulf Coast | Wood and organic clay | 7818 | 146 | -13.9 |  |  | 3 |
| Blum et. Al., 2001 | Texas Gulf Coast | Carbonized plant fragments | 7803 | 71 | -8.8 |  |  | 3 |
| Gischler Hudson 2003 | Belize | A. palmata | 7752 | 67 | -20.9 |  |  | 4 |
| Toscano Macintyre 2003 | St. Croix, USVI | Coral *Acropora palmata* | 7706 | 73 | -13.0 |  |  | 4 |
| Gischler Hudson 2003 | Belize | A. palmata | 7690 | 89 | -9.3 |  |  | 4 |
| Gischler Hudson 2003 | Belize | A. palmata | 7684 | 64 | -9.9 |  |  | 4 |
| Faught & Donoghue, 1997 | NE Gulf of Mexico | Wood in silty clay (brackish) | 7681 | 110 | -6.7 |  |  | 3 |
| Faught & Donoghue, 1997 | NE Gulf of Mexico | Wood in silty clay (brackish) | 7636 | 70 | -5.5 |  |  | 3 |
| Faught & Donoghue, 1997 | NE Gulf of Mexico | Wood in sandy clay (terrestrial) | 7613 | 47 | -7.6 |  |  | 3 |
| Otvos 2004 | Sabine Lake LA | Balanus | 7597 | 48 | -8.2 |  |  | 3 |
| Morton et. Al., 2000 | Texas Gulf Coast | Peat | 7593 | 67 | -8.1 |  |  | 3 |
| Otvos 2004 | Biloxi Back Bay | Nyssa-fresh water | 7481 | 84 | -7.5 |  |  | 4 |
| Bard et al (1990) | Barbados | P. asteroides (coral) | 7460 | 80 | -18 | 7460 | 80 | 5 |
| Gischler Hudson 2003 | Belize | A. palmata | 7448 | 57 | -7.3 |  |  | 4 |
| Toscano Macintyre 2003 | Upper Florida Keys | Coral *Acropora palmata* | 7430 | 68 | -8.7 |  |  | 4 |
| Toscano Macintyre 2003 | Upper Florida Keys | Coral *Acropora palmata* | 7382 | 90 | -8.7 |  |  | 4 |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) | 7356 | 65 | -13 |  |  | 4 |
| Toscano Macintyre 2003 | Upper Florida Keys | Coral *Acropora palmata* | 7289 | 80 | -8.5 |  |  | 4 |
| Toscano Macintyre 2003 | Upper Florida Keys | Coral *Acropora palmata* | 7281 | 73 | -8.6 |  |  | 4 |
| Toscano Macintyre 2003 | Upper Florida Keys | Coral *Acropora palmata* | 7241 | 79 | -8.7 |  |  | 4 |
| Toscano Macintyre 2003 | Panama | Coral *Acropora palmata* | 7201 | 121 | -11.5 |  |  | 4 |
| Milliken etal. 2008 | Calcasieu Lake LA | Peat | 7187 | 64 | -6.7 |  |  | 3 |
| Toscano Macintyre 2003 | Upper Florida Keys | Coral *Acropora palmata* | 7163 | 105 | -9.5 |  |  | 4 |
| Toscano Macintyre 2003 | Upper Florida Keys | Coral *Acropora palmata* | 7115 | 106 | -7.8 |  |  | 4 |
| Morton et. Al., 2000 | Texas Gulf Coast | Rangia | 7017 | 111 | -6.1 |  |  | 3 |
| Toscano Macintyre 2003 | Panama | Coral *Acropora palmata* | 7004 | 122 | -12.3 |  |  | 4 |
| Toscano Macintyre 2003 | Upper Florida Keys | Coral *Acropora palmata* | 7000 | 190 | -9.7 | 7000 | 190 | 5 |
| Toscano Macintyre 2003 | Upper Florida Keys | Coral *Acropora palmata* | 6984 | 96 | -9.5 |  |  | 4 |
| Gischler Hudson 2003 | Belize | A. palmata | 6983 | 85 | -7.1 |  |  | 4 |
| Faught & Donoghue, 1997 | NE Gulf of Mexico | Wood in marine sand | 6979 | 97 | -3.7 |  |  | 3 |
| Toscano Macintyre 2003 | Upper Florida Keys | Coral *Acropora palmata* | 6971 | 97 | -7.9 |  |  | 4 |
| Robbin 1984 | Florida Keys | Peat | 6918 | 95 | -6.7 |  |  | 3 |
| Toscano Macintyre 2003 | Upper Florida Keys | Coral *Acropora palmata* |  |  | -9.3 | 6900 | 170 | 4 |
| Faught & Donoghue, 1997 | NE Gulf of Mexico | Crassostrea shell (marine) | 6849 | 104 | -4.6 |  |  | 2 |
| Toscano Macintyre 2003 | Upper Florida Keys | Coral *Acropora palmata* | 6823 | 124 | -7.8 |  |  | 4 |
| Toscano Macintyre 2003 | Upper Florida Keys | Coral *Acropora palmata* |  |  | -9.6 | 6700 | 130 | 5 |
| Gischler Hudson 2003 | Belize | A. palmata | 6678 | 101 | -4.7 |  |  | 4 |
| Gischler Hudson 2003 | Belize | A. palmata | 6641 | 100 | -4.4 |  |  | 4 |
| Gischler Hudson 2003 | Belize | A. palmata | 6605 | 98 | -6.6 |  |  | 4 |
| Toscano Macintyre 2003 | Panama | Coral *Acropora palmata* | 6583 | 112 | -12.5 |  |  | 4 |
| Toscano Macintyre 2003 | St. Croix, USVI | Coral *Acropora palmata* | 6566 | 95 | -10.4 |  |  | 4 |
| Faught & Donoghue, 1997 | NE Gulf of Mexico | Crassostrea shell (marine) | 6566 | 95 | -4.3 |  |  | 2 |
| Gischler Hudson 2003 | Belize | A. palmata | 6517 | 74 | -4.7 |  |  | 4 |
| McBride, 1997 | NE Gulf of Mexico | Chione canellata | 6494 | 75 | -7.56 |  |  | 3 |
| Frazier 1974 | NW Gulf of Mexico | Brackish-marsh Peat | 6457 | 152 | -5.47 |  |  | 3 |
| Morton et. Al., 2000 | Texas Gulf Coast | Crassostrea | 6450 | 84 | -10.4 |  |  | 2 |
| Nelson and Bray 1970 | Texas Gulf Coast | Peat | 6426 | 13 | -5.18 |  |  | 3 |
| Robbin 1984 | Florida Keys | Peat | 6351 | 191 | -4.3 |  |  | 3 |
| Blum et. Al., 2001 | Texas Gulf Coast | Foraminifera | 6289 | 105 | 1.5 |  |  | 3 |
| Milliken etal. 2008 | Mobile AL | Peat | 6272 | 55 | -5.9 |  |  | 3 |
| Gischler Hudson 2003 | Belize | A. palmata | 6225 | 92 | -4.5 |  |  | 4 |
| Kuehn 1980 | SW Florida Gulf Coast | Basal Freshwater | 6146 | 97 | -2.1 |  |  | 1 |
| Fairbanks 1989, 1990 | Barbados | Corals (A. palmata) | 6142 | 93 | -10.4 |  |  | 4 |
| Otvos 2004 | Biloxi Back Bay | low salinity peat | 6092 | 124 | -6.5 |  |  | 3 |
| Toscano Macintyre 2003 | Panama | Coral *Acropora palmata* | 6015 | 111 | -6.8 |  |  | 4 |
| Shepherd 1960 | Texas Bays/Shelf and Louisiana Cheniers | Oyster Shell (LA chenier) | 6004 | 117 | -3.66 |  |  | 2 |
| Frazier 1974 | NW Gulf of Mexico | Bay pelecypods | 6001 | 156 | -7.01 |  |  | 2 |
| Gischler Hudson 2003 | Belize | A. palmata | 5980 | 100 | -8.6 |  |  | 4 |
| Davies 1980 | Florida Gulf Coast | Basal Freshwater | 5961 | 135 | -3.45 |  |  | 1 |
| Faught & Donoghue, 1997 | NE Gulf of Mexico | Wood in marine sand | 5890 | 131 | -1.8 |  |  | 3 |
| Toscano Macintyre 2003 | St. Croix, USVI | Coral *Acropora palmata* | 5866 | 106 | -7.2 |  |  | 4 |
| McBride, 1997 | NE Gulf of Mexico | Chione canellata | 5818 | 93 | -7.56 |  |  | 2 |
| Smith 1969 | SW Florida Gulf Coast | Rhizophora | 5704 | 135 | -3.2 |  |  | 2 |
| Blum et. Al., 2001 | Texas Gulf Coast | Foraminifera | 5646 | 63 | 1.7 |  |  | 2 |
| Nelson and Bray 1970 | Texas Gulf Coast | Peat | 5623 | 14 | -3.05 |  |  | 3 |
| Morton et. Al., 2000 | Texas Gulf Coast | Mulinia, Crassostrea | 5559 | 79 | -6.6 |  |  | 2 |
| Shepherd 1960 | Texas Bays/Shelf and Louisiana Cheniers | Oyster Shell (TX bay) | 5548 | 535 | -5.79 |  |  | 2 |
| Robbin 1984 | Florida Keys | Peat | 5520 | 119 | -4.9 |  |  | 3 |
| Davies 1980 | Florida Gulf Coast | Basal Freshwater | 5496 | 116 | -0.44 |  |  | 1 |
| Toscano Macintyre 2003 | Panama | Coral *Acropora palmata* | 5481 | 76 | -6.0 |  |  | 4 |
| Davies 1980 | Florida Gulf Coast | Basal Freshwater | 5419 | 140 | -0.7 |  |  | 1 |
| Morton et. Al., 2000 | Texas Gulf Coast | Mixed shells | 5403 | 105 | -0.3 |  |  | 1 |
| Milliken etal. 2008 | Galveston Island TX | Donax | 5402 | 67 | -3.9 |  |  | 2 |
| Gischler Hudson 2003 | Belize | A. palmata | 5366 | 102 | -2.5 |  |  | 4 |
| Otvos 2004 | Biloxi Bay, Deer Is. | Fresh water mud | 5365 | 221 | -2 |  |  | 1 |
| Gischler Hudson 2003 | Belize | A. palmata | 5343 | 109 | -2.3 |  |  | 4 |
| Frazier 1974 | NW Gulf of Mexico | Brackish-marsh Peat | 5283 | 182 | -3.05 |  |  | 3 |
| Morton et. Al., 2000 | Texas Gulf Coast | Mulinia, Anadara | 5228 | 98 | -7.1 |  |  | 2 |
| Shepherd 1960 | Texas Bays/Shelf and Louisiana Cheniers | Oyster Shell (LA chenier) | 5203 | 141 | -2.74 |  |  | 2 |
| Toscano Macintyre 2003 | Panama | Coral *Acropora palmata* | 5129 | 121 | -5.8 |  |  | 4 |
| Frazier 1974 | NW Gulf of Mexico | Bay pelecypods | 5085 | 179 | -6.86 |  |  | 2 |
| Gischler Hudson 2003 | Belize | A. palmata | 5039 | 111 | -2.3 |  |  | 4 |
| Milliken etal. 2008 | Bolivar Peninsula TX | Donax | 5004 | 88 | -3.1 |  |  | 2 |
| Davies 1980 | Florida Gulf Coast | Basal Freshwater | 4906 | 169 | -0.79 |  |  | 1 |
| Blum et. Al., 2001 | Texas Gulf Coast | Foraminifera | 4893 | 107 | 1.2 |  |  | 2 |
| Gischler Hudson 2003 | Belize | A. palmata | 4871 | 99 | -3.1 |  |  | 4 |
| Blum et. Al., 2001 | Texas Gulf Coast | Foraminifera | 4753 | 131 | 1.5 |  |  | 2 |
| Robbin 1984 | Florida Keys | Peat | 4734 | 113 | -4.8 |  |  | 3 |
| Gischler Hudson 2003 | Belize | A. palmata | 4720 | 93 | -3.6 |  |  | 4 |
| Toscano Macintyre 2003 | Abaco Reef, Bahamas | Coral *Acropora palmata* | 4701 | 105 | -6.8 |  |  | 4 |
| Milliken etal. 2008 | Galveston Island TX | Donax | 4682 | 73 | -3.2 |  |  | 2 |
| Robbin 1984 | Florida Keys | Peat | 4681 | 193 | -2.9 |  |  | 3 |
| Robbin 1984 | Florida Keys | Peat | 4671 | 208 | -4.5 |  |  | 3 |
| Milliken etal. 2008 | Galveston Island TX | Donax | 4633 | 78 | -3.3 |  |  | 2 |
| Robbin 1984 | Florida Keys | Peat | 4602 | 132 | -2.5 |  |  | 3 |
| Robbin 1984 | Florida Keys | Peat | 4560 | 141 | -4 |  |  | 3 |
| Morton et. Al., 2000 | Texas Gulf Coast | Organic clay | 4550 | 106 | -4.2 |  |  | 1 |
| Morton et. Al., 2000 | Texas Gulf Coast | Organic clay and peat | 4528 | 147 | -2 |  |  | 1 |
| Davies 1980 | Florida Gulf Coast | Freshwater | 4506 | 160 | -2.34 |  |  | 1 |
| Robbin 1984 | Florida Keys | Peat | 4449 | 137 | -2 |  |  | 3 |
| Gischler Hudson 2003 | Belize | A. palmata | 4438 | 105 | -3.8 |  |  | 4 |
| Robbin 1984 | Florida Keys | Peat | 4433 | 163 | -3.5 |  |  | 3 |
| Davies 1980 | Florida Gulf Coast | Transitional Conocarpus | 4424 | 117 | -3.63 |  |  | 2 |
| Morton et. Al., 2000 | Texas Gulf Coast | Mixed shells | 4396 | 76 | -0.2 |  |  | 1 |
| Morton et. Al., 2000 | Texas Gulf Coast | Peat | 4128 | 100 | -2.6 |  |  | 3 |
| Toscano Macintyre 2003 | St. Croix, USVI | Coral *Acropora palmata* | 4068 | 136 | -8.5 |  |  | 4 |
| Robbin 1984 | Florida Keys | Peat | 4055 | 104 | -3 |  |  | 3 |
| Toscano Macintyre 2003 | Abaco Reef, Bahamas | Coral *Acropora palmata* | 3993 | 128 | -5.5 |  |  | 4 |
| Frazier 1974 | NW Gulf of Mexico | Brackish-marsh Peat | 3985 | 171 | -2.77 |  |  | 3 |
| Milliken etal. 2008 | Galveston Island TX | Donax | 3777 | 61 | -3.2 |  |  | 2 |
| Toscano Macintyre 2003 | Abaco Reef, Bahamas | Coral *Acropora palmata* | 3740 | 119 | -6.4 |  |  | 4 |
| Toscano Macintyre 2003 | Panama | Coral *Acropora palmata* | 3690 | 112 | -3.8 |  |  | 4 |
| Toscano Macintyre 2003 | Abaco Reef, Bahamas | Coral *Acropora palmata* | 3600 | 94 | -7.0 |  |  | 4 |
| Morton et. Al., 2000 | Texas Gulf Coast | Mulinia, Anadara | 3530 | 77 | -2.3 |  |  | 2 |
| Toscano Macintyre 2004 | Abaco Reef, Bahamas | Coral *Acropora palmata* | 3478 | 110 | -7.3 |  |  | 4 |
| Morton et. Al., 2000 | Texas Gulf Coast | Crassostrea | 3476 | 85 | -5.2 |  |  | 2 |
| Toscano Macintyre 2003 | Panama | Coral *Acropora palmata* | 3426 | 99 | -5.5 |  |  | 4 |
| Milliken etal. 2008 | Galveston Island TX | Donax | 3399 | 116 | -1.9 |  |  | 2 |
| Robbin 1984 | Florida Keys | Peat | 3392 | 87 | -2.5 |  |  | 3 |
| Frazier 1974 | NW Gulf of Mexico | Bay pelecypods | 3383 | 145 | -8.23 |  |  | 2 |
| Davies 1980 | Florida Gulf Coast | Basal Freshwater | 3368 | 126 | #REF! |  |  | 1 |
| Gischler Hudson 2003 | Belize | A. palmata | 3241 | 92 | -2.3 |  |  | 4 |
| Milliken etal. 2008 | Galveston Island TX | Donax | 3058 | 63 | -2.6 |  |  | 2 |
| Morton et. Al., 2000 | Texas Gulf Coast | Mulinia, Anadara | 3031 | 110 | -1.2 |  |  | 2 |
| Shepherd 1960 | Texas Bays/Shelf and Louisiana Cheniers | Oyster Shell (LA chenier) | 3009 | 129 | -0.91 |  |  | 2 |
| Robbin 1984 | Florida Keys | Peat | 2970 | 85 | -2 |  |  | 3 |
| Gischler Hudson 2003 | Belize | A. palmata | 2966 | 97 | -3.2 |  |  | 4 |
| Milliken etal. 2008 | Galveston Island TX | Donax | 2783 | 43 | -1.5 |  |  | 2 |
| Robbin 1984 | Florida Keys | Peat | 2771 | 127 | -1.5 |  |  | 3 |
| Milliken etal. 2008 | Galveston Island TX | Taselus | 2771 | 42 | -1.6 |  |  | 2 |
| Milliken etal. 2008 | Bolivar Peninsula TX | Donax | 2728 | 34 | -2.9 |  |  | 2 |
| Robbin 1984 | Florida Keys | Peat | 2650 | 109 | -1.5 |  |  | 3 |
| Davies 1980 | Florida Gulf Coast | Basal Freshwater | 2629 | 134 | -2.74 |  |  | 1 |
| Frazier 1974 | NW Gulf of Mexico | Brackish-marsh Peat | 2603 | 137 | -2.44 |  |  | 3 |
| Robbin 1984 | Florida Keys | Peat | 2588 | 111 | -1 |  |  | 3 |
| Robbin 1984 | Florida Keys | Peat | 2545 | 111 | -1.5 |  |  | 3 |
| Milliken etal. 2008 | Bolivar Peninsula TX | Donax | 2462 | 84 | -0.8 |  |  | 2 |
| Milliken etal. 2008 | Galveston Island TX | Donax | 2372 | 71 | -4.1 |  |  | 2 |
| Milliken etal. 2008 | Bolivar Peninsula TX | Donax | 2250 | 54 | -2.5 |  |  | 2 |
| Milliken etal. 2008 | Galveston Island TX | Donax | 2212 | 56 | -2.5 |  |  | 2 |
| Milliken etal. 2008 | Galveston Island TX | Donax | 2133 | 70 | -1.2 |  |  | 2 |
| Milliken etal. 2008 | Galveston Island TX | Donax | 2103 | 63 | -2.1 |  |  | 2 |
| Robbin 1984 | Florida Keys | Peat | 2073 | 119 | -1 |  |  | 3 |
| Morton et. Al., 2000 | Texas Gulf Coast | Crassostrea | 1962 | 78 | 2.8 |  |  | 2 |
| Milliken etal. 2008 | Bolivar Peninsula TX | Donax | 1960 | 52 | -2.3 |  |  | 2 |
| Milliken etal. 2008 | Galveston Island TX | Donax | 1841 | 53 | -2.4 |  |  | 2 |
| Milliken etal. 2008 | Galveston Island TX | Donax | 1804 | 62 | -0.9 |  |  | 2 |
| Milliken etal. 2008 | Bolivar Peninsula TX | Donax | 1741 | 58 | -3.2 |  |  | 2 |
| Milliken etal. 2008 | Bolivar Peninsula TX | Donax | 1697 | 64 | -2 |  |  | 2 |
| Toscano Macintyre 2003 | Martinique | Coral *Acropora palmata* | 1693 | 142 | -4.0 |  |  | 4 |
| Robbin 1984 | Florida Keys | Peat | 1656 | 74 | -0.5 |  |  | 3 |
| Stapor and Stone (2004) Walker et al. (1995) | Louisiana and SW Florida Gulf Coast | Shell Material | 1648 | 88 | -1 |  |  | 1 |
| Milliken etal. 2008 | Bolivar Peninsula TX | Donax | 1614 | 60 | -2.1 |  |  | 2 |
| Milliken etal. 2008 | Bolivar Peninsula TX | Donax | 1563 | 52 | -1 |  |  | 2 |
| Stapor and Stone (2004) Walker et al. (1995) | Louisiana and SW Florida Gulf Coast | Shell Material | 1544 | 89 | 0 |  |  | 1 |
| Toscano Macintyre 2003 | Martinique | Coral *Acropora palmata* | 1539 | 84 | -2.0 |  |  | 4 |
| Milliken etal. 2008 | Bolivar Peninsula TX | Donax | 1479 | 52 | -1.9 |  |  | 2 |
| Milliken etal. 2008 | Bolivar Peninsula TX | Donax | 1472 | 51 | -2.6 |  |  | 2 |
| Milliken etal. 2008 | Bolivar Peninsula TX | Donax | 1433 | 66 | -1.4 |  |  | 2 |
| Morton et. Al., 2000 | Texas Gulf Coast | Crassostrea | 1408 | 67 | 2.3 |  |  | 2 |
| Toscano Macintyre 2003 | St. Croix, USVI | Coral *Acropora palmata* | 1399 | 71 | -2.7 |  |  | 4 |
| Stapor and Stone (2004) Walker et al. (1995) | Louisiana and SW Florida Gulf Coast | Shell Material | 1397 | 71 | 1 |  |  | 1 |
| Schnable and Goodell 1968 | Florida Apalachicola Gulf Coast | Wood in Sandy peat | 1307 | 185 | 0.15 |  |  | 2 |
| Schnable and Goodell 1968 | Florida Apalachicola Gulf Coast | Wood in Sandy peat | 1307 | 185 | 0.15 |  |  | 2 |
| Morton et. Al., 2000 | Texas Gulf Coast | Crassostrea | 1293 | 61 | 2.8 |  |  | 2 |
| Milliken etal. 2008 | Bolivar Peninsula TX | Donax | 1230 | 43 | -1.6 |  |  | 2 |
| Toscano Macintyre 2003 | Martinique | Coral *Acropora palmata* | 1220 | 127 | -4.0 |  |  | 4 |
| Stapor and Stone (2004) Walker et al. (1995) | Louisiana and SW Florida Gulf Coast | Shell Material | 1172 | 66 | 1.0 |  |  | 1 |
| Milliken etal. 2008 | Bolivar Peninsula TX | Donax | 1171 | 67 | -1.1 |  |  | 2 |
| Stapor and Stone (2004) Walker et al. (1995) | Louisiana and SW Florida Gulf Coast | Shell Material | 1140 | 68 | 0 |  |  | 1 |
| Stapor and Stone (2004) Walker et al. (1995) | Louisiana and SW Florida Gulf Coast | Shell Material | 1032 | 66 | -0.9 |  |  | 1 |
| Frazier 1974 | NW Gulf of Mexico | Bay pelecypods | 992 | 347 | -3.76 |  |  | 2 |
| Gischler Hudson 2003 | Belize | A. palmata | 971 | 70 | -3.7 |  |  | 4 |
| Frazier 1974 | NW Gulf of Mexico | Brackish-marsh Peat | 830 | 114 | -0.73 |  |  | 3 |
| Davies 1980 | Florida Gulf Coast | Avicennia | 780 | 77 | -2.67 |  |  | 3 |
| Morton et. Al., 2000 | Texas Gulf Coast | Rangia | 763 | 58 | 1.1 |  |  | 2 |
| Gischler Hudson 2003 | Belize | A. palmata | 660 | 56 | -4.1 |  |  | 4 |
| Davies 1980 | Florida Gulf Coast | Rhizophora | 649 | 143 | -3.42 |  |  | 3 |
| Davies 1980 | Florida Gulf Coast | Rhizophora Avicennia | 595 | 65 | -3.94 |  |  | 3 |
| Schnable and Goodell 1968 | Florida Apalachicola Gulf Coast | Wood Stump | 574 | 87 | 0 |  |  | 2 |
| Toscano Macintyre 2003 | St. Croix, USVI | Coral *Acropora palmata* | 567 | 73 | -3.7 |  |  | 4 |
| Toscano Macintyre 2003 | Martinique | Coral *Acropora palmata* | 438 | 55 | -1.0 |  |  | 4 |
| Milliken etal. 2008 | Bolivar Peninsula TX | Donax | 425 | 48 | -1.1 |  |  | 2 |
| Robbin 1984 | Florida Keys | Peat | 406 | 65 | 0 |  |  | 3 |
| Milliken etal. 2008 | Bolivar Peninsula TX | Donax | 404 | 49 | -1.2 |  |  | 2 |
| Schnable and Goodell 1968 | Florida Apalachicola Gulf Coast | Wood Stump | 381 | 136 | 0 |  |  | 2 |
| Morton et. Al., 2000 | Texas Gulf Coast | Peat | 375 | 83 | -1.5 |  |  | 3 |
| Stapor and Stone (2004) Walker et al. (1995) | Louisiana and SW Florida Gulf Coast | Shell Material | 367 | 43 | 0.4 |  |  | 1 |
| Toscano Macintyre 2003 | St. Croix, USVI | Coral *Acropora palmata* | 363 | 77 | -1.2 |  |  | 4 |
| Milliken etal. 2008 | Bolivar Peninsula TX | Donax | 214 | 55 | -2.3 |  |  | 2 |
| Toscano Macintyre 2003 | Martinique | Coral *Acropora palmata* | 190 | 111 | -0.9 |  |  | 4 |
| Milliken etal. 2008 | Bolivar Peninsula TX | Donax | 157 | 64 | -1.6 |  |  | 2 |