









**Willow Island Experiment – CUTTINGS**  
**Drs. John E. Fauth & Pedro Quintana-Ascencio**  
**Department of Biology, UCF**

Date: July 30 / 2009

| Island | Depth (cm) | Direction | Cutting ID # | Stick diameter | Number of leaves | Number of stems | Dia. of largest stem | Length/stem  |
|--------|------------|-----------|--------------|----------------|------------------|-----------------|----------------------|--|
| 1      |            |           | 611          | 6.1            | 57               | 1 (8)           | 7.4                  | 335 (215, 167, 95, 31, 206, 76, 99, 48)  |
| 1      |            |           | 501          | 10.3           | 78 (49)          | 2               | 7.0                  | 477, 442   |
| 1      |            |           | 455          | 9.1            | 52               | 1               | 7.2                  | 642  |
| 1      |            |           | 239          | 9.1            | 134              | 1               | 7.4                  | 416  |
| 1      |            |           | 579          | 6.9            | 72               | 1               | 6.7                  | 670  |
| 1      |            |           | 372          | 15.8           | 255              | 3 (7)           | 11.1                 | 604, 823, 472; 654 389 467 120<br>744 438 317  |
| 1      |            |           | 9            | 7.2            | 22               | 1               | 5.0                  | 369  |
| 1      |            |           | 12           | 7.5            | 79               | 7               | 4.0                  | 251   220   311   176   223   87   73  |
| 1      |            |           | 34           | 10.4           | 98               | 10              | 5.2                  | 357   375   203   165   426   105   286   393   312   146  |
| 1      |            |           | 251          | Dead           |                  |                 |                      |  |
| 1      |            |           | 565          | 5.1            | 4                | 1               | 2.6                  | 349  |
| 1      |            |           | 366          | Dead.          |                  |                 |                      |  |
| 1      |            |           |              |                |                  |                 |                      |  |
| 1      |            |           | 530          | 14.8           | 449              | 3 (23)          | 7.8                  | 751 278 297 213 258 251 252 241 192<br>857 271 157 415 311 282 229 82 103<br>872 245 117 533 242 283 311 157 |
| 1      |            |           | 584          | 21.1           | 566              | 5 (45)          | 10.7                 | 1010 857<br>465 371. Average 412 272 43 212 172<br>820 210 562 209 247 164 259                               |
|        |            |           | 570          | 6.3            | 203              | 1 (3)           | 5.6                  | 587, (131, 133, 87)  |
|        |            |           |              |                |                  |                 |                      |  |
|        |            |           |              |                |                  |                 |                      |  |

Island = 1, 2, 3 or 4. Depth = 0 (bottom), 17.5, 35 or 50 (top of island). Direction = N (north face of island), S, E, W

Done!  
J.C.  
08.09.09



**Willow Island Experiment – CUTTINGS**  
**Drs. John E. Fauth & Pedro Quintana-Ascencio**  
**Department of Biology, UCF**

L. B. E. P.

Date: 07/30/09

| Island | Depth (cm) | Direction    | Cutting ID # | Stick diameter | Number of leaves | Number of stems | Dia. of largest stem      | Length/stem  |
|--------|------------|--------------|--------------|----------------|------------------|-----------------|---------------------------|--|
| 2      |            | a0<br>↙<br>↘ | 314          |                |                  |                 |                           | Dead.  |
| 2      |            |              |              |                |                  |                 |                           |  |
| 2      |            |              | 586          |                |                  |                 |                           | Dead.  |
|        |            |              | 601          | 6.5            | 54               | 2               | 4.4                       | 584, 171   |
|        |            |              | 333          | 7.3            | 78               | 2 (8)           | 6.8                       | (631) <sup>main</sup> 135, 294, 163, 109, 408, 591, 349, 520 |
|        |            |              | 84           | 10.4           | 165              | 9               | 4.7 (735) <sup>main</sup> | 305, 190, 295, 242, 220, 210, 248, 150, 238                  |
|        |            |              | 394          | 7.0            | 51               | 1 (9)           | same                      | 675, 425, 135, 96, 133, 160, 110, 94, 109                    |
|        |            |              | 568          | 11.5           | 169              | 3 (6)           | 9.6                       | 210, 387, 408 (404, 210, 412, 311, 189, 272)                 |
|        |            |              | 281          | 13.8           | 154              | 3               | 9.0                       | 818, 694, 478  |
|        |            | ↙<br>↘       | 314          | 12.2           | 43 (3)           | 9               | 6.3                       | see below  |
|        |            |              | 586          | 10.4           | 82               | 1 (9)           | 9.5                       | 446 (84, 143, 67, 92, 122, 157, 48, 220, 304)                |
|        |            |              | 597          | 8.8            | 89 (34)          | 2               | 6.6                       | 395, 310   |
|        |            |              | 314          |                |                  |                 |                           | 740 (240, 305, 432, 265, 54, 55, 72, 140)                    |
|        |            |              | 513          | 9.9            | 33               | 1               | 6.8                       | 584  |
|        |            |              | 573          | 11.2           | 120 (22)         | 7               | 6.6                       | 379, 298, 118, 198, 171, 122, 182                            |
|        |            |              | 361          | 5.9            | 82               | 1 (5)           | 4.9                       | 355 (242, 73, 119, 227, 321)                                 |
|        |            |              | 529          | 9.5            | 12               | 1 (3)           | 2.9                       | 859 (35, 115, 21)  |

Island = 1, 2, 3 or 4. Depth = 0 (bottom), 17.5, 35 or 50 (top of island). Direction = N (north face of island), S, E, W

Done!  
08/09/09  
J.C.

**Willow Island Experiment – CUTTINGS**  
**Drs. John E. Fauth & Pedro Quintana-Ascencio**  
**Department of Biology, UCF**

Date: July 29, 2009.

| Island | Depth (cm) | Direction | Cutting ID # | Stick diameter | Number of leaves | Number of stems | Dia. of largest stem | Length/stem   |
|--------|------------|-----------|--------------|----------------|------------------|-----------------|----------------------|---|
| 3      |            |           | 539          | 5.0            | 14               | 1               | 5.0                  | 596   |
| 3      |            |           | 617          | —              | —                | —               | —                    | dead  |
| 3      |            |           | 544          | 13.4           | 335(+12)         | 1 (15)          | 11.7                 | 255, 297, 274, 175, 217, 253, 153, 102<br>843, 85, 294, 360, 457, 412, 271, 325 |
| 3      |            |           | 550          | 9.6            | 169(+8)          | 2 (19)          | 7.6                  | 286, 233, 115<br>178, 451, (302, 264, 153, 312, 325, 221)                       |
| 3      |            |           | 321          | 11.4           | 174              | 4               | 6.4                  | 499, 562, 698, 558  |
| 3      |            |           | 75           | —              | —                | —               | —                    | dead  |
| 3      |            |           | 536          | —              | —                | —               | —                    | dead  |
| 3      |            |           | 138          | 7.0            | 104              | 2               | 4.9                  | 579, 746  |
| 3      |            |           | 61           | 4.9            | 41               | 1 (1)           | 2.1                  | 751, (142)  |
| 3      |            |           | 117          | 14.6           | 672              | 8               | 14.3                 | 513, 534, 473, 375, 509, 793, 773, 492  |
| 3      |            |           | 96           | 13.9           | 863              | 3 (8)           | 8.2                  | 478, 435, 712 (602, 385, 265, 208)<br>(458, 372, 254, 198, )                    |
| 3      |            |           | 609          | 9.6            | 140              | 1 (8)           | 6.7                  | 596 (230, 87, 298, 58, 142, 121, 95, 245)                                       |
| 3      |            |           | 259          | 8.3            | 30               | 1 (5)           | 6.8                  | 453 (86, 201, 56, 184, 187)   |
| 3      |            |           | 577          | 7.1            | 2                | 1               | 7.1                  | 260   |
| 3      |            |           | 301          | —              | —                | —               | —                    | dead  |
|        |            |           |              |                |                  |                 |                      |   |
|        |            |           |              |                |                  |                 |                      |   |
|        |            |           |              |                |                  |                 |                      |   |

Island = 1, 2, 3 or 4. Depth = 0 (bottom), 17.5, 35 or 50 (top of island). Direction = N (north face of island), S, E, W

Done!  
I.C.  
08.09.09



**Willow Island Experiment - CUTTINGS**  
**Drs. John E. Fauth & Pedro Quintana-Ascencio**  
**Department of Biology, UCF**

Date: July 29/2009

(brackets - tiny leaves)

| Island | Depth (cm) | Direction | Cutting ID # | Stick diameter | Number of leaves | Number of stems    | Dia. of largest stem | Length/stem   |
|--------|------------|-----------|--------------|----------------|------------------|--------------------|----------------------|---|
| 4      | top        | NE        | 371          | 8.1            | 124(+64)         | 7(9)               | 6.1                  | roots at water surface<br>387, 303, 129, 12.3, 19.7, 186, 184, 290, 140   |
|        | top        | SE        | 255          | 10.8           | 375              | 9(27)              | 10.0                 | 831, 732, 546, 133, 78, 307, 438, 565, 215  |
|        | high       | SE        | 228          | 10.2           | 120(+81)         | 1(5) <sup>2°</sup> | 4.1(2°)              | 1133(422, 575, 388, 293)  |
|        | middle     | NW        | 569          | 7.2            | 82(+28)          | 6                  | 3.5                  | 272, 106, 102, 42, 73, 82   |
|        | middle     | NW        | 66           | 9.5            | 120              | 13                 | 11.6                 | 129, 173, 142, 185, 109, 151, 176, 219, 146, 192, 208, 116  |
|        | low        | NW        | 556          | 7.3            | 102              | 8                  | 2.9                  | 112, 69, 59, 31, 92, 197, 176, 184  |
|        | top        | W         | 337          | 13.4           | 75(+68)          | 24                 | 11.4                 | 351, 187, 297, 274, 186, 330, 357, 407, 526, 531, 373, 37<br>545, 149, 266, 74, 86, 73, 92, 167, 93, 61, 142, 160 |
|        | top        | S         | 11           | 10.8           | 224(+82)         | 1(8)               | 9.7                  | 485, (156, 337, 36, 375, 58, 452, 213, 236)   |
|        | high       | SW        | 25           | 15.6           | 626              | 13                 | 7.6                  | 532, 751, 571, 323, 209, 251, 456, 270, 109, 151, 98, 146, 8  |
|        | mid        | SE        | 181          | 9              | 101(9)           | 2(8)               | 7.5                  | 444, 605(216, 259, 400, 210, 185, 55, 80, 76)   |
|        | mid        | NE        | 36           | 8.3            | 127              | 2(12)              | 7.6                  | 674, 656(146, 177, 331, 211, 312, 342, 520, 174, 252, 14, 37  |
|        | low        | NE        | 582          | 8.8            | 12(+9)           | 1                  | 8.8                  | 476   |
|        | low        | SE        | 65           | 8.3            | 29               | 1(5)               | 6.6                  | 335(71, 62, 132, 164, 175)  |
|        |            |           | 559          | 14             | 474(+108)        | 14                 | 5.6                  | 309, 184, 245, 104, 36, 212, 466, 666, 599, 207, 597, 322, 83, 137  |
|        |            |           | 287          | DEAD           |                  |                    |                      |   |
|        |            |           |              |                |                  |                    |                      |   |
|        |            |           |              |                |                  |                    |                      |   |
|        |            |           |              |                |                  |                    |                      |   |

Island = 1, 2, 3 or 4. Depth = 0 (bottom), 17.5, 35 or 50 (top of island). Direction = N (north face of island), S, E, W

↑  
↓  
stipula

↑ main  
↑ secondary

2dary branches  
main branches

Dana  
+C  
08/07/09

30



7/29/2009

Willow Island Experiment- Seedlings  
 John E Fauth Pedro Quintana-Ascencio  
 Department of Biology, UCF

| Island | Depth(cm) | Direction | Seedling # | Height | Number of leaves | Crown width |
|--------|-----------|-----------|------------|--------|------------------|-------------|
| 4      |           |           | 49         | Dead   |                  |             |
|        |           |           | 240        | Dead   |                  |             |
|        |           |           | 254        | Dead   |                  |             |
|        |           |           | 85         | Dead   |                  |             |
|        |           | SW        | 100        | 597    | 107(+60)         | 299         |
|        |           |           | 222        | Dead   |                  |             |
|        |           |           | 252        | Dead   |                  |             |
|        |           |           | 41         | Dead   |                  |             |
|        |           |           | 44         | Dead   |                  |             |
|        |           |           | 225        | Dead   |                  |             |
|        |           |           | 83         | Dead   |                  |             |
|        |           |           | 207        | Dead   |                  |             |
|        |           |           | 36         | Dead   |                  |             |
|        |           |           | 105        | Dead   |                  |             |
|        |           |           | 216        | Dead   |                  |             |
|        |           | 227       | Dead       |        |                  |             |

( ) = brackets

Island = 1, 2, 3, or 4, Depth = 0, 17.5, 35 or 50 (top of island), Direction = N, S, E, or W

Dave!  
 L.P.  
 08/10/09