

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

Date: 27 May 2009

Island	Depth (cm)	Direction	Cutting ID #	Stick diameter	Number of leaves	Number of stems	Dia. of largest stem	Length/stem <i>Bottom to top</i>
1	50	TOP W	530	9.1	79	9	3.75	19, 16, 300, 26, 25, 21, 168, 302 23
1	50	Top NE	239	8.3	80	4	4.4	105, 25, 43, 347
1	50	TOP SE	570	—	DEAD			
1	50	TOP S	584	5.5	86	7	2.2	51, 85, 44, 48, 98, 42, 122
1	0	N	579	6.8	44	2	4.5	46, 319
1	17.5	N	12	7.85	86	3	6.4	35, 33, 215
1	35	N	9	6.45	43	2	4.5	256, 65
1	0	E(NE)	455	8.55	116	4	5.65	20, 90, 86, 517
1	17.5	E	611	5.6	45	4	2.9	12, 11, 15, 128
1	35	E	372	5.7	123	3	4.35	115, 128, 219
1	0	S(SE)	366	5.0	37	3	2.45	45, 142, 126
1	17.5	S(SW)	565	4.9	25	5	2.3	37, 30, 50, 24, 105
1	35	S(SW)	501	7.45	53	4	4.3	10, 224, 228, 75
1	0	W	251	6.45	21	1	2.8	166
1	17.5	W(NW)	34	8.25	212	10	5.0	75, 73, 21, 31, 42, 24, 36, 312, 138 176
1								
1								

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!*  
 LC  
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Date: 27 May 2009

Island	Depth (cm)	Direction	Cutting ID #	Stick diameter	Number of leaves	Number of stems	Dia. of largest stem	Length/stem
2	50	N (NE corner)	281	8.1	47	3	4.7	158, 290, 154
2	50	S (SE corner)	597	5.1	37	3	2.1	61, 142, 3
2	50	S	573	7.8	62	7	2.45	12, 15, 155, 110, 110, 11, 166
2	50	center	106	<del>————</del>	<del>DEAD</del>	<del>————</del>	<del>————</del>	<del>————</del>
2	0	N	601	6.1	69	2	4.3	224, 95
2	17.5	N	333	11.0	116	4	7.7	34, 465, 55, 305
2	35	N	568	6.8	56	3	4.2	80, 179, 264
2	17.5	W (NW corner)	513	8.8	24	1	4.7	446
2	35	W (SW corner)	586	7.6	31	2	3.7	47, 250
2	0	S (SE corner)	529	6.8	33	1	4.9	509
2	17.5	S (SW corner)	394	5.2	77	2	4.2	24, 300
2	35	S (SW corner)	314	6.8	76	6	6.3	22, 9, 125, 167, 13, 375
2	0	E (NE corner)	361	5.5	75	3	3.9	49, 10, 307
2	17.5	E	571	5.1	33	1	2.6	132
2	35	E	84	8.85	119	2	5.75	146, 380

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!  
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08/09/09



Finish 1355  
Start 1334  

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21 min.

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Date: 27 May 2009

Island	Depth (cm)	Direction	Cutting ID #	Stick diameter	Number of leaves	Number of stems	Dia. of largest stem	Length/stem
3	50	NE corner	609	4.9	77	8	2.8	25, 52, 62, 30, 29.9, 15, 135
3	50	W side	96	9.5	206	9	4.15	99, 25, 33, 76, 130, 13, 135, 209 295
3	50	S side	117	8.8	121	3	4.0	22, 239, 262
3	50	SE corner	550	9.5	93	5	4.7	25, 28, 18, 47, 203
3	0	N	539	8.8	21	1	3.0	175
3	17.5	N <sup>NW</sup> corner	138	8.55	93	8	2.0	4, 145, 30, 20, 21, 29, 55, 415 191
3	35	N	321	5.5	53	4	3.7	9, 109, 139, 232
3	0	E	577	6.5	30	3	2.1	37, 34, 139,
3	17.5	E	259	5.1	49	2	3.0	8, 215
3	35	E	617	— DEAD		—		
3	0	S	301	— DEAD		—		
3	17.5	S	536	6.9	15	1	2.2	95 stem prostrate but plant still alive
3	35	S <sup>SW</sup> corner	75	— DEAD		—		
3	0	W	61	8.55	42	3	4.7	38, 400, 34
3	35	W	544	7.0	50	1	4.0	294

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

Island 3- Water midway up bottom frame.

Done!  
JC  
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Date: 27 May 2009

Island	Depth (cm)	Direction	Cutting ID #	Stick diameter	Number of leaves	Number of stems	Dia. of largest stem	Length/stem
4	50	Top West-Central	337	5.85	69	6	2.9	9, 10, 38, 12, 198, 135
4	50	Top South-Central	11	5.55	83	2	3.7	15, 214
4	50	Top SE	255	6.6	98	8	3.9	134, 166, 65, 111, 88, 119, 126, 165
4	0	N	287	4.75	43	2	3.5	120, 251
4	17.5	N	589	5.4	49	3	3.65	9, 100, 279
4	35	N	371	4.5	53	2	2.9	15, 189
4	0	E (NE corner)	582	5.5	42	3	3.3	5, 8, 218
4	17.5	E	36	8.8	164	4	5.2	40, 77, 204, 350
4	35	E	559	5.9	95	1	4.7	275
4	0	SE corner	65	7.7	45	4	4.0	19, 75, 10, 261
4	17.5	SW corner	181	7.0	71	2	3.9	169, 336
4	35	SE corner	228	7.4	28	3	3.3	22, 19, 375
4	0	W	556	6.4	52	1	4.85	410
4	17.5	W	66 NW corner	7.0	86	9	4.0	92, 122, 121, 80, 119, 15, 52, 369, 115
4	35	W	25 SW corner	6.7	84	5	4.6	22, 19, 40, 148, 348

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

Water to middle or top of frame bottom.

Done!  
J.C.  
08.09.09



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

Date: 27 May 2009

Island	Depth (cm)	Direction	Seedling Pot ID #	Seedling #	Height	Number of leaves	Crown width
1	50	Top	Between cuttings (29)	1	51	9	89
1	↓	↓	239 + 530	2	33	6	35
1	↓	↓	↓	3	25	10	26
1	↓	↓	↓	4	14	6	12
1	17.5	NE	Between cuttings 455 and 9	1	48	10	72
1	↓	↓	(51)	2	34	10	62
1	↓	↓	↓	3	19	7	31
1	↓	↓	↓	4	25	9	30
1	35	N (W)	Above cutting #12 (59)	1	25	9	39
1	↓	↓	↓	2	26	8	36
1	↓	↓	↓	3	14	7	25
1	0	E (S)	Below and S of cutting	1	33	8	41
1	↓	↓	372 (58)	2	24	9	36
1	↓	↓	↓	3	84	11	55
1	↓	↓	↓	4	70	10	43
1	↓	↓	↓	5	94	11	34
1	↓	↓	↓	6	45	11	36
1	↓	↓	↓	7	64	9	32
1	↓	↓	↓	8	64	13	61
1	↓	↓	↓	9	42	9	32
1	↓	↓	↓	10	6	2	10
1	0	S	(78)	1	21	8	24
1				2	36	11	34
1				3	19	5	21
1							

covered by water

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  
 Seedling number = Numbered consecutively, order is arbitrary

Done!  
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 08/10/09

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Date: 27 May 2009

Island	Depth (cm)	Direction	Seedling Pot ID #	Seedling #	Height	Number of leaves	Crown width
1	17.5	S	Below + W of cutting 501 (21)	1	35	10	46
1	35	S	W of cutting 501 (22)	1	7	4	22
1	↓	↓		2	61	13	63
1				3	105	11	70
1				4	93	7	68
1				5	65	7	51
1				6	119	8	75
1				7	15	3	12
1				8	9	3	11
1				9	35	9	47
1				0	W (SW corner)	(256)	1
1	↓	↓		2	11	4	13
1				3	11	5	26
1				4	40	11	52
1				5	12	5	20
1				6	35	9	46
1				17.5	W	on center (79)	1
1				2	52	8	44
1				3	12	6	13
1				4	15	6	12
1				5	62	10	54
1				6	122	12	55
1				7	117	14	102

Water to stem level

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  
 Seedling number = Numbered consecutively, order is arbitrary

Done!  
 J.E.F.  
 05/10/09



End 1321  
Start 1252  
29 min.

Willow Island Experiment - SEEDLINGS  
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Department of Biology, UCF

Date: 27 May 2009

Island	Depth (cm)	Direction	Seedling Pot ID #	Seedling #	Height	Number of leaves	Crown width
1	37.5	W	Below + N of Cutting 530 (8A)	1	24	6	35
				2	40	4	38
				3	32	5	23
				4	37	4	27
				5	57	7	37
				6	24	8	20
				7	137	8	10
				8	34	3	30
				9	60	12	49
				10	66	5	57
2	50	SW corner	close to (W) Cutting 573 (B1)	1	25	9	42
				2	15	9	39
				3	31	10	39
				4	25	12	32
				5	15	8	18
				6	8	5	8
2	0	N (NE corner)	(A) 30	1	15	6	30
				2	32	7	45
				3	69	12	76
				4	62	11	72
				5	21	4	42
				6	45	15	87
				7	13	4	19

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  
Seedling number = Numbered consecutively, order is arbitrary

Done!  
J.E.  
060909

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Department of Biology, UCF

Date: 27 May 2009

Island	Depth (cm)	Direction	Seedling Pot ID #	Seedling #	Height	Number of leaves	Crown width
2	17.5	N (NE corner)	Between Cuttings	1	11	5	9
			361 + 607 (101)	2	15	6	21
				3	14	5	11
				4	12	4	14
				5	20	5	16
				6	12	5	22
2	35	N	W of cutting 568 (232)	1	66	8	82
				2	63	9	89
				3	72	9	61
				4	53	10	62
				5	25	6	41
				6	19	6	32
2	35	E	Not cutting 84 (55)	1	25	10	55
				2	5	3	15
				3	8	7	10
				4	7	4	12
2	0	S (SE side)	Below and E of cutting 394 (22)	1	74	9	82
				2	19	2	15
				3	24	6	19
				4	70	7	71
				5	39	3	40
				6	24	4	16
				7	19	3	19
				8	69	5	68
				9	82	8	55

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  
Seedling number = Numbered consecutively, order is arbitrary

Water just above frame bottom, Island 2,

Done!  
J.C.  
08-10-09



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Date: 27 May 2009

Island	Depth (cm)	Direction	Seedling Pot ID #	Seedling #	Height	Number of leaves	Crown width
2	17.5	S	(53)	1	8	5	14
↓	↓	↓		2	10	4	16
				3	16	6	30
2	35	S	(82)	1	14	4	21
↓	↓	↓		2	11	5	12
				3	14	4	22
				4	14	6	12
				5	50	9	59
				6	26	5	39
				7	27	7	47
				8	50	8	42
				9	52	9	75
2	0	E	NE corner	1	14	6	14
↓	↓	↓	(102)	2	8	3	11
				3	9	4	14
				4	7	5	12
2	17.5	E	(242)	1	34	8	41
↓	↓	↓		2	16	3	11
				3	15	5	25
				4	9	5	14
				5	14	4	16
2	35	W	(90)	1	64	13	74
↓	↓	↓	109?	2	98	11	105
				3	32	8	54

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  
 Seedling number = Numbered consecutively, order is arbitrary

Done!  
 J.C.  
 05.10.09

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Date: 27 May 2009

Island	Depth (cm)	Direction	Seedling Pot ID #	Seedling #	Height	Number of leaves	Crown width
3	0	S	SSW (103)	1	69	10	55
				2	32	8	25
				3	74	8	51
				4	54	9	31
				5	42	7	22
				6	29	8	29
				7	79	9	54
				8	72	6	52
				9	68	8	48
3	17.5	S	Below + W of cutting 75 (104)	1	17	2	11
				2	22	3	31
				3	15	4	12
				4	21	3	9
				5	32	8	8 almost dead
				6	11	4	29
				7	15	3	28
3	35	S	(239)	1	35	16	55
				2	41	23	46
				3	30	11	40
				4	29	10	37
				5	34	12	50
				6	10	10	21
				7	15	10	31
				8	9	7	13

leaves wilted but alive  
uprooted replanted

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  
Seedling number = Numbered consecutively, order is arbitrary

Done!  
J.C.  
08/10/09



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Date: 27 May 2009

Island	Depth (cm)	Direction	Seedling Pot ID #	Seedling #	Height	Number of leaves	Crown width
3	0	E	(237)	1	48	6	37
				2	51	7	46
				3	22	4	29
				4	29	6	34
				5	52	5	32
				6	9	2	11
				7	39	8	36
				8	40	8	31
3	17.5	E	SE corner (37-1)	1	10	6	9
				2	9	7	8
				3	8	6	26
				4	6	7	26
3	35	E	NE corner (86)	1	5	6	11
				2	19	26	7
				3	6	3	7
				4	6	5	11
				5	21	8	36
				6	37	7	38
				7	12	7	22
				8	14	5	13

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  
 Seedling number = Numbered consecutively, order is arbitrary

E is toward levee, W toward marsh, S toward hwy  
 Done!  
 J.C.  
 05.10.09





**Willow Island Experiment – SEEDLINGS**  
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**Department of Biology, UCF**

End 1431  
 Start 1356

35 min.

Date: 27 May 2009

Island	Depth (cm)	Direction	Seedling Pot ID #	Seedling #	Height	Number of leaves	Crown width
3	50	North-central	(233)	1	41	10	39
↓	↓	↓		2	15	4	18
3	50	East-central	(98)	1	29	8	35
↓	↓	↓		2	9	6	15
↓	↓	↓		3	21	7	31
3	0	N	(21A)	1	25	7	45
↓	↓	↓		2	30	6	29
↓	↓	↓		3	15	5	12
↓	↓	↓		4	15	6	14
↓	↓	↓		5	25	6	35
↓	↓	↓		6	5	5	9 <small>uprooted - replanted</small>
↓	↓	↓		7	50	9	58
↓	↓	↓		8	22	6	28
3	17.5	N	NE corner; below +E cutting 321 (223)	1	44	10	63
↓	↓	↓		2	4	4	11
↓	↓	↓		3	19	7	22
↓	↓	↓		4	32	12	56
↓	↓	↓		5	3	3	9
↓	↓	↓		6	12	7	19
3	35	N	NW corner (21A)	1	9	7	22
4	No seedlings on top of Island 4.						

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  
 Seedling number = Numbered consecutively, order is arbitrary

Done!  
 J.C.  
 08.10.09

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**Department of Biology, UCF**

Counted *AV* 512 W60

Date: 27 May 2009

Island	Depth (cm)	Direction	Seedling Pot ID #	Seedling #	Height	Number of leaves	Crown width
4	0	N	NW corner (93)	1	29	7	32
				2	53	14	38
				3	11	6	14
				4	42	12	52
				5	7	5	14
				6	15	5	15
				7	23	6	31
				8	25	6	41
4	17.5	N	NE corner (93)	1	8	6	26
4	35	N	NW corner (93)	2	5	6	17
4	0	E	center (93)	1	61	26	105
				2	21	8	38
				3	24	10	38
				4	13	8	25
				5	13	8	16
				6	12	9	22
				7	11	6	14
				8	4	6	6
				9	6	6	7
4	17.5	E	SE corner (100)	1	31.5	9	41.6
				2	22.8	7	20.5
				3	22.4	5	19.3
				4	25.0	8	40.1
				5	38.9	9	66.5
				6	37.9	12	59.4
				7	8.6	7	15.6
4	0	S	below cutting 181 (85)	1	21	4	28
				2	34	3	28
				3	19	3	8
				4	67	7	41
				5	53	6	29
				6	31	5	15
				7	136	13	101
				8	34	6	39
				9	32	4	14
				10	24	7	37
4	17.5	S	(49)	1	16	7	34
4	35	S	(100)	2	9	5	24
				3	44	34	78
				4	62	19	89
				5	42	13	37
				6	24	8	29
				7	7.8	5	13.3
				8	12.6	6	11.0
				9	6.3	4	14.4

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  
 Seedling number = Numbered consecutively, order is arbitrary

4 0 W SW corner (93)

Data continued on back ↴

1	87	6	65
2	91	7	86
3	41	3	41
4	27	2	26
5	93	8	94
6	16	4	12
7	50	4	41

Done!  
J.E.  
5/30/09



Island	Depth	Direction	Seedling Pot #	Seedling Height #	# leaves	Crown
4	0	W	SW corner (cont'd)	8 97	7	98
			(222)	9 14	4	10
				10 87	7	64

11 25

4	17.5	W	center (252)	1 5.7	9	17.1
				<del>2 5.2</del>	<del>4</del>	<del>10.1</del>
				<del>3 2.5</del>	<del>4</del>	<del>5.5</del>
				4 3.9	7	8.8
				5 3.9	3	5.8