

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

H₂O
depth (mm)

Date: 3 June 2009

Block	Position on gradient	ID #	Seedling #	Height	Number of leaves	Crown width
1	Woodland Ecotone	412		None alive		
1	↓	410		None alive		
1	↓	411		None alive		
1	2/3	407		None alive		
1	↓	408		None alive		
1	↓	409		None alive		
1	1/3					
1	↓			Could not locate - underwater.	15.5 cm.	
1	↓			Water depth		
1	Riverbank	403		underwater - found pipe + tag, no plants		
1	↓	402		None alive		
1	↓	401		None alive		
3	Riverbank	498		Underwater - no plants found		122
		163		underwater - no plants found		173
		428		underwater - no plants found		254
		427		underwater - no plants found		211
		450		underwater - no plants found		75
		426		Visible, but no plants found		71
3	1/3	431		no plants		195

Northern

Central

* Includes both cuttings and seedlings

3 1/3 ~~430~~ 430 no plants 131

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JEF, Beth Stephens, Lisa McCauley

H₂O depth

Date: 3 JUN 2009

Northern Block

Block	Position on gradient	ID #	Stick diameter	Number of leaves	Number of stems	Dia. of largest stem	Length/stem
1	Woodland Ecotone	481			DEAD		
1	↓	548			DEAD		
1	↓	135			DEAD		
1	2/3	323			DEAD		
1	↓	520			DEAD		
1	↓	183			DEAD		
1	1/3						
1	↓				Underwater - did not see any emergent willows, could not locate plants		
1							
1	Riverbank	32	4.8	21	1	2.6 2.6	182
1		512			DEAD		
1		527			DEAD		
Central 3	1/3	430			DEAD		
Central 3	1/3	555	8.2	28	3	5.6	71, 45, 269
3	1/3	201	8.3	42	1	4.5	406

119

130

112 mm

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Block	Position on gradient	ID #	Stick diameter	Number of leaves	Number of stems	Dia. of largest stem	Length/stem
central	2/3	186		Missing - dead			
↓	2/3	441		Dead - found dead stem			
	tree shrub ecotone	203		Dead			
	↓	543		Dead			
	↓	433		Missing - dead			

H₂O depth (mm)
 175
 175
 210
 179
 110

Lisa McCauley, Jennifer Navarro, Beth Stephens, JEF

Southern
block

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Date: 28 May 2009

Block	Position on gradient	ID #	Seedling #	Height	Number of leaves	Crown width		
34	Airboat trail	415	1	71	0	0		
		↓	↓	↓	2	106	3	23
		↓	↓	↓	3	22	2	22
		↓	↓	↓	4	76	3	33
125	Airboat trail	416	1	12	7	14		
	Airboat trail	414 414	1 2	21 51	6 ³	11 23		
above water	1/3	413	1	6.6	4	7.8		
	↓	↓	↓	2	4.6	3	2.2	
	↓	↓	↓	3	3.6	2	4.0	
above water +78	1/3	202	1	31	5	20		
	1/3	417	1	42	6	59		
26	↓	↓	2	47	6	62		
	1/3	418	1	12	6	11		
	↓	1/3	↓	2	28	5	18	
	↓	↓	↓	3	8	3	8	
	2	2/3	420	1	15	8	19	
	↓	↓	↓	2	18	5	19	
20 above water	↓	↓	↓	3	8	5	7	
	↓	↓	↓	4	4	3	8	

Water depth

Slightly above waterline

Came loose - replanted

Probably a dead cutting

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Date: 28 May 2009

Block	Position on gradient	ID #	Seedling #	Height	Number of leaves	Crown width
2	2/3	421	1	11	8	18
↓	↓	↓	2	26	3	28
↓	↓	↓	3	21	7	18
↓	↓	↓	4	18	7	19
↓	↓	↓	5	11	9	15
2	2/3	422	No plants			
2	ecotone	425	1	21	6	13
↓	↓	↓	2	9	3	7
2	ecotone	424	1	9	7	11
			2	48	8	51
			3	28	7	26
			4	35	9	33
			5	44	14	47
			6	25	10	32
			7	36	11	34
			8	24	9	26
			9	41	9	34
			10	35	5	18
			11	18	6	17

above water

above water
above water

} fine ant nest near tag

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water
depth

Date:

82

71

above
water

Block	Position on gradient	ID #	Stick diameter	Number of leaves	Number of stems	Dia. of largest stem	Length/stem
2	airboat trail	282	9.5	84	9	2.7	9.5, 9.2, 13.5, 89, 124, 153, 158, 149, 186
2	airboat trail	246	8.2	22	2	1.65	39, 146
2	airboat trail	311	5.55	21	3	1.1	2.8, 11, 156
2	1/3	213	5.4	19	5	1.9	9.03, 134, 102, 21, 1.8
2	1/3	431	3.2	3	1	1.4	41
2	2/3	305	DEAD				
2	2/3	125	9.6	30	3	8.1	8.5, 107, 228
2	2/3	204	4.05	43	5	1.6	39, 78, 22, 38, 21
2	ecotone	509	DEAD				
2	ecotone	368	6.5	46	5	4.3	22, 24, 65, 151, 34
2		220	9.76	17	2	3.6	12, 362

above
water