

APPENDIX M
ROOT ZONE STUDY DOCUMENTATION

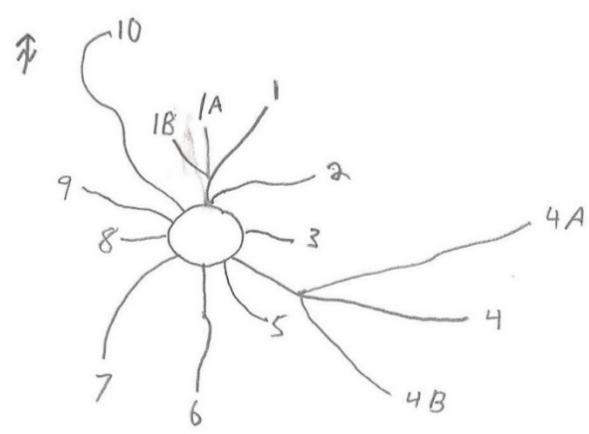


State: LA	Parish: Iberville	Section: 15	Township: 10S	Range: 11E	Date: 8/16/22	Location: T-01
Project/Site: August Levert (1009.A62)			Investigator(s): Matthew Greene			
Latitude: 30.19658		Longitude: -91.34175		Datum: NAD83		Other Info:

TREE SPECIES: Fraxinus pennsylvanica - Green Ash					Circumference: 38.5"			DBH: 12.25"			
Root Number	Total Length (Inches)	Distance to deepest point (Inches)	Depth BLS (Inches)	Random Distance (RD) (Inches)	Depth BLS (Inches)	Root Number	Total Length (Inches)	DDP (Inches)	Depth BLS (Inches)	RD (Inches)	Depth BLS (Inches)
1	71	50	3.5	40	1.5	9	52	32	8		
1A	48	48	4			10	137	105	3		
1B	48	48	3								
2	58	30	9	46	4						
3	31	25	4								
4	125	68	3.5	118	1.5						
4A	137	112	3.5	68	0.5						
4B	111	100	5	60	4.5						
5	39	32	1.5								
6	80	32	3	64	1.5						
7	74	39	9	62	2.5						
8	25	21	3.5								

Illustration/Remarks:

1. 0.5" Surface Water



SOIL PROFILE PROPERTIES

Soil Type: Fausse clay										
Depth BLS (inches)	Matrix		Redox Features				Texture	Horizon	Remarks	N-Value
	Color (moist)	%	Color (moist)	%	Type	Loc				
0-2	10YR 3/2	100					Muck	Oa		0.8
2-8	10YR 5/2	60	7.5YR 4/6	40	C	M	Clay	A		0.77
8-13	5Y 5/1	80	7.5YR 4/6	20	C	M	Clay	Bg		0.77

Additional Colors:

Restrictive Layer(if observed):	Type:	Depth (inches):
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**AUGUST LEVERT, JR. ET AL. PROPERTY
SECTION 15, TOWNSHIP 10 SOUTH, RANGE 11 EAST
IBERVILLE PARISH, LOUISIANA**



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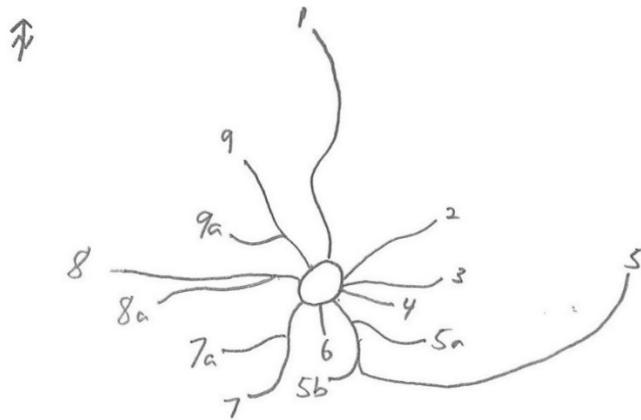


State: LA	Parish: Iberville	Section: 15	Township: 10S	Range: 11E	Date: 8/16/22	Location: T-02
Project/Site: August Levert (1009.A62)			Investigator(s): Matthew Greene			
Latitude: 30.19716		Longitude: -91.34159		Datum: NAD83		Other Info:

TREE SPECIES:		Quercus texana - Texas Red Oak (Nuttall Oak)				Circumference: 26.0"			DBH: 8.28"		
Root Number	Total Length (Inches)	Distance to deepest point (Inches)	Depth BLS (Inches)	Random Distance (RD) (Inches)	Depth BLS (Inches)	Root Number	Total Length (Inches)	DDP (Inches)	Depth BLS (Inches)	RD (Inches)	Depth BLS (Inches)
1	154	130	3	75	2.5	9	68	62	2		
2	60	54	1	32	1	9A	40	36	3		
3	58	44	4								
4	36	28	2								
5	160	134	3.5	92	Surface						
5A	58	55	2								
5B	64	62	3.5								
6	32	29	4								
7	70	57	1								
7A	47	39	4.5								
8	110	98	3	58	2.5						
8A	83	77	6.25	39	2						

Illustration/Remarks:

- 0.0" Surface Water
- Bottom of root 8A at deepest point is approximately 6.75 inches below land surface



SOIL PROFILE PROPERTIES

Soil Type: Fausse clay										
Depth BLS (inches)	Matrix		Redox Features				Texture	Horizon	Remarks	N-Value
	Color (moist)	%	Color (moist)	%	Type	Loc				
0-1.5	10YR 3/2	100					Mucky Clay	Oa		0.8
1.5-8.5	10YR 4/1	60	7.5YR 4/6	40	C	M	Clay	A		0.77
8.5-15	5Y 4/1	80	7.5YR 4/6	20	C	M	Clay	Bg		0.77
Additional Colors:										
Restrictive Layer(if observed):		Type:		Depth (inches):						

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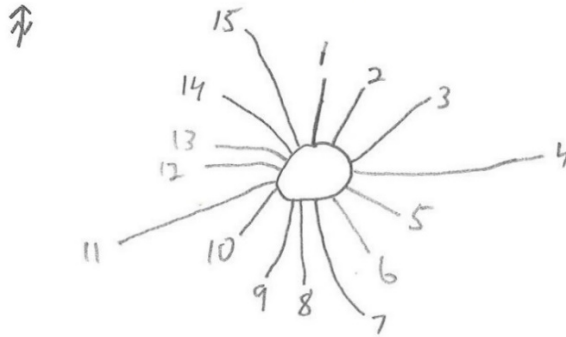


State: LA	Parish: Iberville	Section: 15	Township: 10S	Range: 11E	Date: 8/16/22	Location: T-03
Project/Site: August Levert (1009.A62)			Investigator(s): Matthew Greene			
Latitude: 30.19578		Longitude: -91.33769		Datum: NAD83		Other Info:

TREE SPECIES: Nyssa aquatica - Water Tupelo				Circumference: 44.0"			DBH: 14.0"				
Root Number	Total Length	Distance to deepest point	Depth BLS	Random Distance (RD)	Depth BLS	Root Number	Total Length	DDP	Depth BLS	RD	Depth BLS
	(Inches)	(Inches)	(Inches)	(Inches)	(Inches)		(Inches)	(Inches)	(Inches)	(Inches)	(Inches)
1	31	21	5			13	26	21	18		
2	33	27	9.5			14	37	32	19		
3	42	22	12			15	47	20	10		
4	62	54	9								
5	25	22	15								
6	32	25	17								
7	33	27	8								
8	27	20	15								
9	34	29	16								
10	36	33	8								
11	49	33	10.5								
12	28	12	7								

Illustration/Remarks:

- 1. 3.0" Surface Water
- 2. Slough Grass



SOIL PROFILE PROPERTIES

Soil Type: Barbary muck										
Depth BLS (inches)	Matrix		Redox Features				Texture	Horizon	Remarks	N-Value
	Color (moist)	%	Color (moist)	%	Type	Loc				
0-2	10YR 3/2	100					Muck	Oa		0.85
2-5	10YR 4/2	100					Mucky Clay	A		0.8
5-24	5Y 5/1	60	7.5YR 4/6	40	C	M	Clay	Cg		0.77

Additional Colors:

Restrictive Layer(if observed):	Type:	Depth (inches):	
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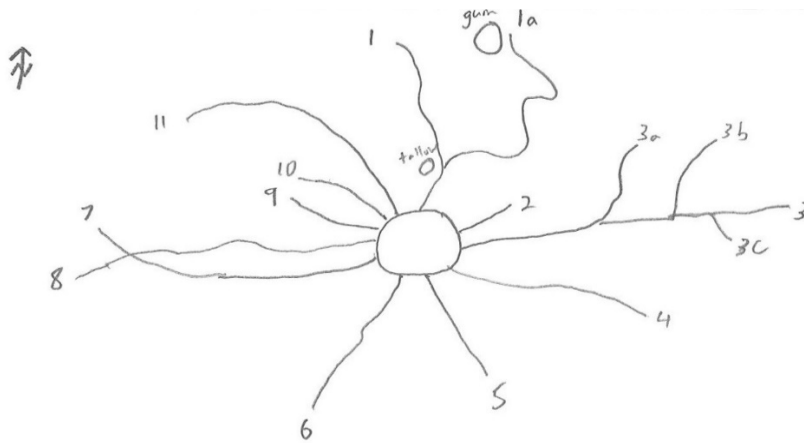


State: LA	Parish: Iberville	Section: 15	Township: 10S	Range: 11E	Date: 8/17/22	Location: T-04
Project/Site: August Levert (1009.A62)			Investigator(s): Matthew Greene			
Latitude: 30.19559		Longitude: -91.33808		Datum: NAD83		Other Info:

TREE SPECIES: Taxodium distichum - Southern Bald-Cypress				Circumference: 66.0"			DBH: 21.0"				
Root Number	Total Length (Inches)	Distance to deepest point (Inches)	Depth BLS (Inches)	Random Distance (RD) (Inches)	Depth BLS (Inches)	Root Number	Total Length (Inches)	DDP (Inches)	Depth BLS (Inches)	RD (Inches)	Depth BLS (Inches)
1	189	64	7	156	4	9	35	27	13		
1A	219	54	26	100	6	10	52	22	26		
2	28	23	22			11	151	105	17	44	12
3	215	51	17	178	16						
3A	129	98	7								
3B	162	136	12								
3C	170	159	4								
4	105	84	14	47	9						
5	87	35	22	60	14						
6	150	54	22	109	8						
7	182	33	9	106	8						
8	190	57	14	116	6						

Illustration/Remarks:

- 2.0 - 3.0" Surface Water
- Slough Grass



SOIL PROFILE PROPERTIES

Soil Type: Barbary muck										
Depth BLS (inches)	Matrix		Redox Features				Texture	Horizon	Remarks	N-Value
	Color (moist)	%	Color (moist)	%	Type	Loc				
0-2	10YR 3/2	100					Muck	Oa		0.85
2-8	10YR 4/2	80	7.5YR 4/6	20	C	M	Mucky Clay	A		0.8
8-18	5Y 5/1	70	7.5YR 4/6	30	C	M	Clay	Cg		0.77

Additional Colors:

Restrictive Layer(if observed):	Type:	Depth (inches):	
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State: LA	Parish: Iberville	Section: 15	Township: 10S	Range: 11E	Date: 8/17/22	Location: T-05
Project/Site: August Levert (1009.A62)			Investigator(s): Matthew Greene			
Latitude: 30.19493		Longitude: -91.33829		Datum: NAD83		Other Info:

TREE SPECIES: Nyssa aquatica - Water Tupelo				Circumference: 51.0"			DBH: 16.23"				
Root Number	Total Length (Inches)	Distance to deepest point (Inches)	Depth BLS (Inches)	Random Distance (RD) (Inches)	Depth BLS (Inches)	Root Number	Total Length (Inches)	DDP (Inches)	Depth BLS (Inches)	RD (Inches)	Depth BLS (Inches)
1	35	28	17			13	22	13	17		
2	42	29	10			14	44	29	5		
3	46	29	13			15	35	25	24		
4	55	42	19								
5	35	29	10								
6	34	29	11								
7	37	17	12								
8	26	19	28								
9	33	29	22								
10	36	25	12								
11	45	28	23								
12	59	50	15								

Illustration/Remarks:

1. 3.0" Surface Water
2. Slough Grass and Trumpet Creeper

SOIL PROFILE PROPERTIES

Soil Type: Barbary muck										
Depth BLS (inches)	Matrix		Redox Features				Texture	Horizon	Remarks	N-Value
	Color (moist)	%	Color (moist)	%	Type	Loc				
0-2	10YR 3/2	100					Muck	Oa		0.85
2-5	10YR 4/2	70	7.5YR 4/6	30	C	M	Mucky Clay	A		0.8
5-24	5Y 5/1	70	7.5YR 4/6	40	C	M	Clay	Cg		0.77

Additional Colors: _____
Restrictive Layer(if observed): _____ Type: _____ Depth (inches): _____

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