



Florida Department of Environmental Protection

Pre-Field Prep: PLANTS

Camille Beasley
Botanist
Environmental Specialist III FDEP



Chapter 62-340, F.A.C. Data Form

1. Site Name/PA Number/GPS location: _____ 2. County: _____ 3. Date: _____
 4. Point ID/Line Segment/Location: _____ 5. Point Condition: ☐ Normal ☐ Authorized or legal altered ☐ Unauthorized or illegal altered
 6. ☐ Wetland Identification ☐ Non-Wetland Surface Water Identification ☐ Upland Identification ☐ Delineation Waterward ☐ Delineation Landward
 7. Staff Present: _____ 8. Data recorder(s): _____

9. Photographs

#	Photo ID	Description, compass direction (if applicable)	Taken By	#	Photo ID	Description, compass direction (if applicable)	Taken By
1.				3.			
2.				4.			

10. **Vegetative Stratum §62-340.400:** Using §62-340.400, F.A.C. with reasonable scientific judgment, select the appropriate vegetative stratum.
☐ Canopy (Min. 10% coverage) ☐ Subcanopy (Min. 10% coverage) ☐ Groundcover (No min. coverage) ☐ No Vegetation at Point (Skip to number 14)
 Why? _____

11. **Plant List §62-340.200(2),(6),(16), §62-340.400, §62-340.450:** *Under current conditions, without considering whether or not any alterations are illegal*
 Record the scientific name of each plant species in an area representing the community at the described point or line segment. Record the percent areal extent in the canopy, subcanopy, and groundcover columns for each plant species. For each species in the stratum selected in question 10 record the percent areal extent for that stratum in the appropriate Upland, Facultative, Facultative Wet, and Obligate columns.

#	Binomial of Observed Species	%C	%S	%G	U	F	FW	O	#	Binomial of Observed Species	%C	%S	%G	U	F	FW	O
1.									16.								
2.									17.								
3.									18.								
4.									19.								
5.									20.								
6.									21.								
7.									22.								
8.									23.								
9.									24.								
10.									25.								
11.									26.								
12.									27.								
13.									28.								
14.									29.								
15.									30.								

% areal extent subtotals for the stratum selected in question 10 _____ % areal extent subtotals for the stratum selected in question 10 _____

12. In the stratum selected in #10: What is the % areal extent of Obligate plants? _____ What is the % areal extent of Upland plants? _____
 Is the areal extent of Obligate plants greater than that of Upland plants? ☐ Yes ☐ No
 13. In the stratum selected in #10: What is the % areal extent of Facultative Wet plants? _____ What is the total % areal extent of Obligate and Facultative Wet plants combined? _____
 What is the total % areal extent of Obligate, Facultative Wet, and Upland plants combined? _____
 What is the percentage of OBL + FACW in relation to all plants, excluding FAC? _____ $\left(\frac{\text{OBL} + \text{FACW}}{\text{OBL} + \text{FACW} + \text{UPL}} \right)$

Chapter 62-340, F.A.C. Data Form

1. Site Name/PA Number/GPS location: Test Site 2. County: Clay (10) 3. Date: Mar 31, 2016
 4. Point ID/Line Segment/Location: Test Point 1 5. Point Condition: ☒ Normal ☐ Authorized or legal altered ☐ Unauthorized or illegal altered
 6. ☐ Wetland Identification ☐ Non-Wetland Surface Water Identification ☐ Upland Identification ☒ Delineation Waterward ☐ Delineation Landward
 7. Staff Present: John Smith and Jane Doe 8. Data recorder(s): JD

9. Photographs

#	Photo ID	Description, compass direction (if applicable)	Taken By	#	Photo ID	Description, compass direction (if applicable)	Taken By
1.	013	Soil profile	JS	3.			
2.	014	Wetland community south	JS	4.			

10. **Vegetative Stratum §62-340.400:** Using §62-340.400, F.A.C. with reasonable scientific judgment, select the appropriate vegetative stratum.
☐ Canopy (Min. 10% coverage) ☐ Subcanopy (Min. 10% coverage) ☐ Groundcover (No min. coverage) ☐ No Vegetation at Point (Skip to number 14)
 Why?

11. **Plant List §62-340.200(2), (6), (16), §62-340.400, §62-340.450:** *Under current conditions, without considering whether or not any alterations are illegal*
 Record the scientific name of each plant species in an area representing the community at the described point or line segment. Record the percent areal extent in the canopy, subcanopy, and groundcover columns for each plant species. For each species in the stratum selected in question 10 record the percent areal extent for that stratum in the appropriate Upland, Facultative, Facultative Wet, and Obligate columns.

#	Binomial of Observed Species	%C	%S	%G	U	F	FW	O	#	Binomial of Observed Species	%C	%S	%G	U	F	FW	O
1.									16.								
2.									17.								
3.									18.								
4.									19.								
5.									20.								
6.									21.								
7.									22.								
8.									23.								
9.									24.								
10.									25.								
11.									26.								
12.									27.								
13.									28.								
14.									29.								
15.									30.								
% areal extent subtotals for the stratum selected in question 10									% areal extent subtotals for the stratum selected in question 10								

12. In the stratum selected in #10: What is the % areal extent of Obligate plants? _____ What is the % areal extent of Upland plants? _____
 Is the areal extent of Obligate plants greater than that of Upland plants? ☐ Yes ☐ No
 13. In the stratum selected in #10: What is the % areal extent of Facultative Wet plants? _____ What is the total % areal extent of Obligate and Facultative Wet plants combined? _____ What is the total % areal extent of Obligate, Facultative Wet, and Upland plants combined? _____
 What is the percentage of OBL + FACW in relation to all plants, excluding FAC? $\frac{OBL+FACW}{OBL+FACW+UPL}$

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 6. ☐ Wetland Identification ☐ Non-Wetland Surface Water Identification ☐ Upland Identification ☒ Delineation Waterward ☐ Delineation Landward
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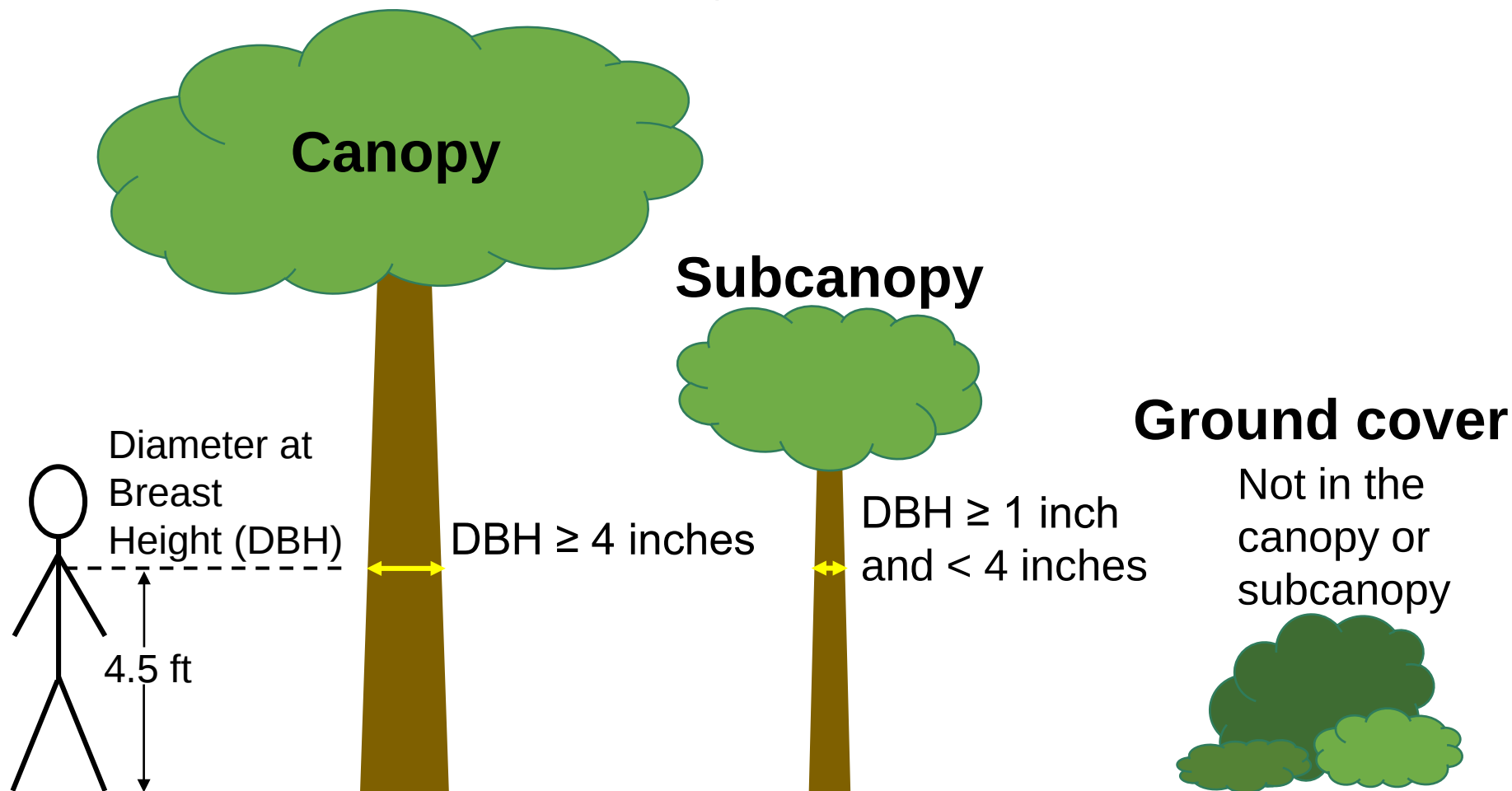
#	Binomial of Observed Species	%C	%S	%G	U	F	FW	O	#	Binomial of Observed Species	%C	%S	%G	U	F	FW	O
1.	Pinus elliotii								16.								
2.	Myrica cerifera								17.								
3.	Baccharis halimifolia								18.								
4.	Ilex glabra								19.								
5.	Andropogon glomeratus								20.								
6.	Hypericum brachyphyllum								21.								
7.	Rhynchospora fascicularis								22.								
8.	Xyris elliotii								23.								
9.	Lachnanthes caroliana								24.								
10.	Eupatorium serotinum								25.								
11.	Lachnocaulon anceps								26.								
12.	Aristida spiciformis								27.								
13.	Pityopsis graminifolia								28.								
14.									29.								
15.									30.								
% areal extent subtotals for the stratum selected in question 10					0	0	0	0	% areal extent subtotals for the stratum selected in question 10								

12. In the stratum selected in #10: What is the % areal extent of Obligate plants? 0 What is the % areal extent of Upland plants? 0
 Is the areal extent of Obligate plants greater than that of Upland plants? ☐ Yes ☐ No
 13. In the stratum selected in #10: What is the % areal extent of Facultative Wet plants? 0 What is the total % areal extent of Obligate and Facultative Wet plants combined? 0 What is the total % areal extent of Obligate, Facultative Wet, and Upland plants combined? 0
 What is the percentage of OBL + FACW in relation to all plants, excluding FAC? $\frac{OBL+FACW}{OBL+FACW+UPL}$



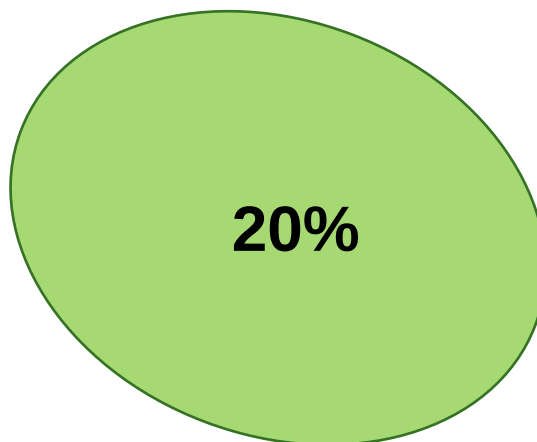
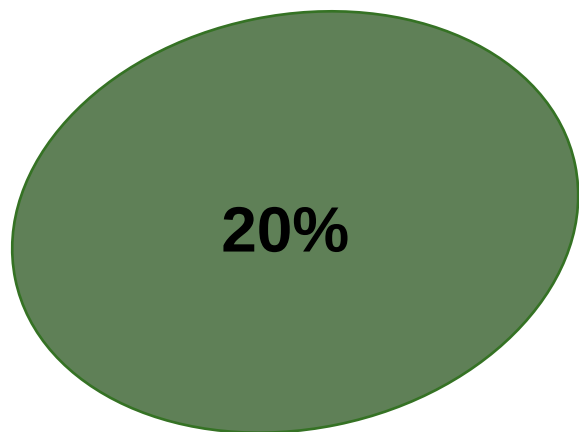
Vegetative Strata

Vegetation on site is divided into three strata, which are defined in Rule 62-340.200, F.A.C.





Areal Extent



Areal Extent

 =20%

 =20%

=40%

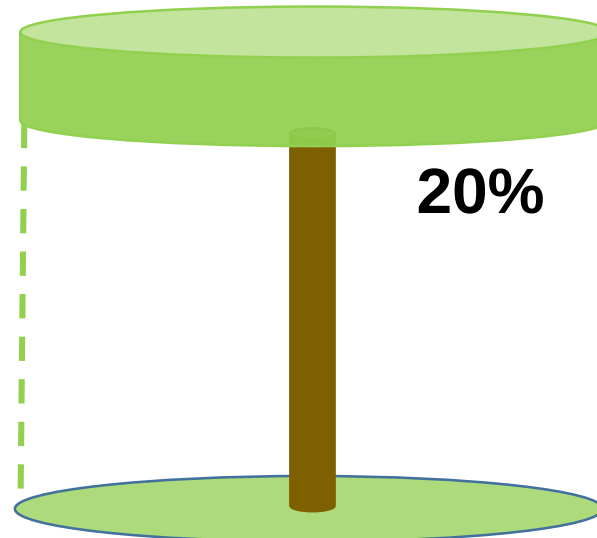
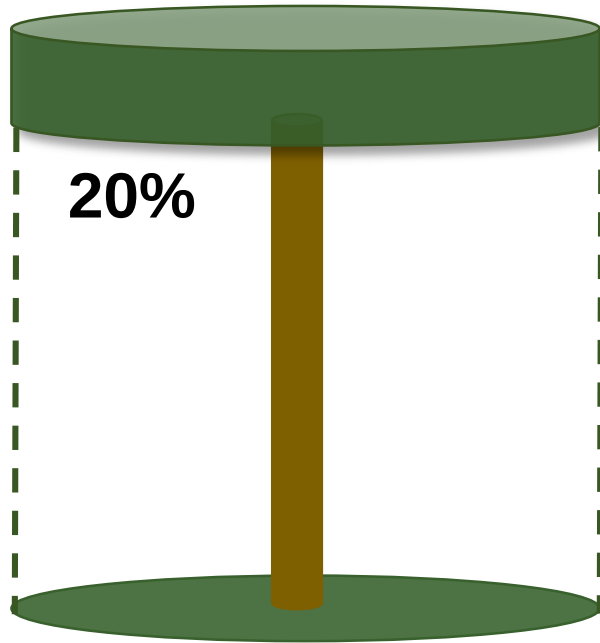
*Visualize
noonday
shadow
of canopy

Estimate within an area that represents the community you are evaluating

When canopies overlap, count the whole area of both canopies (*i.e.* double-count overlapping areas)



Areal Extent



Areal Extent

● =20%

● =20%

=40%

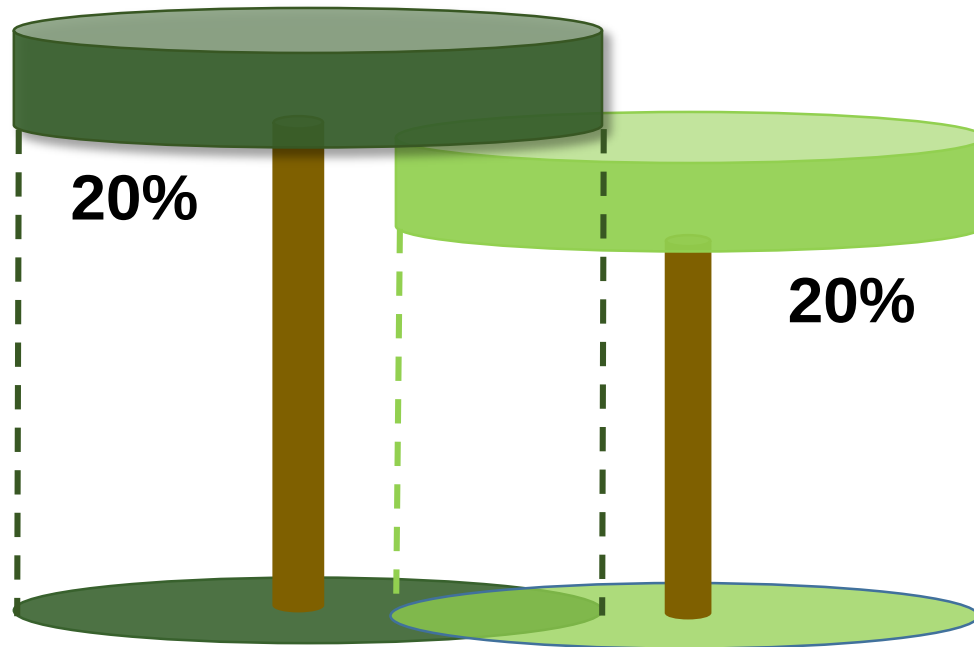
*Visualize
noonday
shadow
of canopy

Estimate within an area that represents the community you are evaluating

When canopies overlap, count the whole area of both canopies (*i.e.* double-count overlapping areas)



Areal Extent



Areal Extent

● =20%

● =20%

=40%

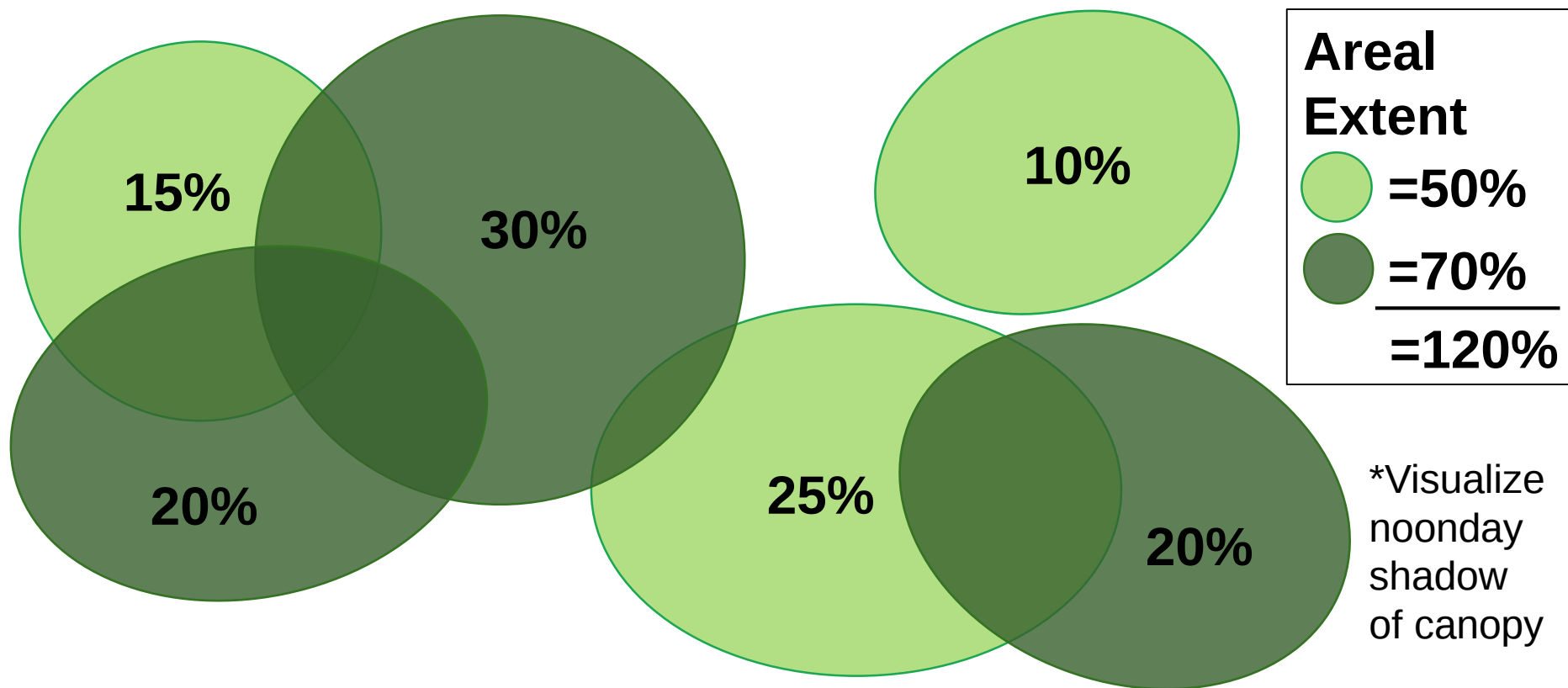
*Visualize
noonday
shadow
of canopy

Estimate within an area that represents the community you are evaluating

When canopies overlap, count the whole area of both canopies (*i.e.* double-count overlapping areas)



Areal Extent



Estimate within an area that represents the community you are evaluating

When canopies overlap, count the whole area of both canopies (*i.e.* double-count overlapping areas)

Chapter 62-340, F.A.C. Data Form

1. Site Name/PA Number/GPS location: Test Site		2. County: Clay (10) ☒		3. Date: Mar 31, 2016	
4. Point ID/Line Segment/Location: Test Point 1		5. Point Condition: ☒ Normal ☐ Authorized or legal altered ☐ Unauthorized or illegal altered			
6. ☐ Wetland Identification ☐ Non-Wetland Surface Water Identification ☐ Upland Identification ☒ Delineation Waterward ☐ Delineation Landward					
7. Staff Present: John Smith and Jane Doe				8. Data recorder(s): JD	

9. Photographs

#	Photo ID	Description, compass direction (if applicable)	Taken By	#	Photo ID	Description, compass direction (if applicable)	Taken By
1.	013	Soil profile		3.			
2.	014	Wetland community south		4.			

10. Vegetative Stratum §62-340.400: Using §62-340.400, F.A.C. with reasonable scientific judgment, select the appropriate vegetative stratum.
☐ Canopy (Min. 10% coverage) ☐ Subcanopy (Min. 10% coverage) ☐ Groundcover (No min. coverage) ☐ No Vegetation at Point (Skip to number 14)
 Why?

11. Plant List §62-340.200(2),(6),(16), §62-340.400, §62-340.450: *Under current conditions, without considering whether or not any alterations are illegal*
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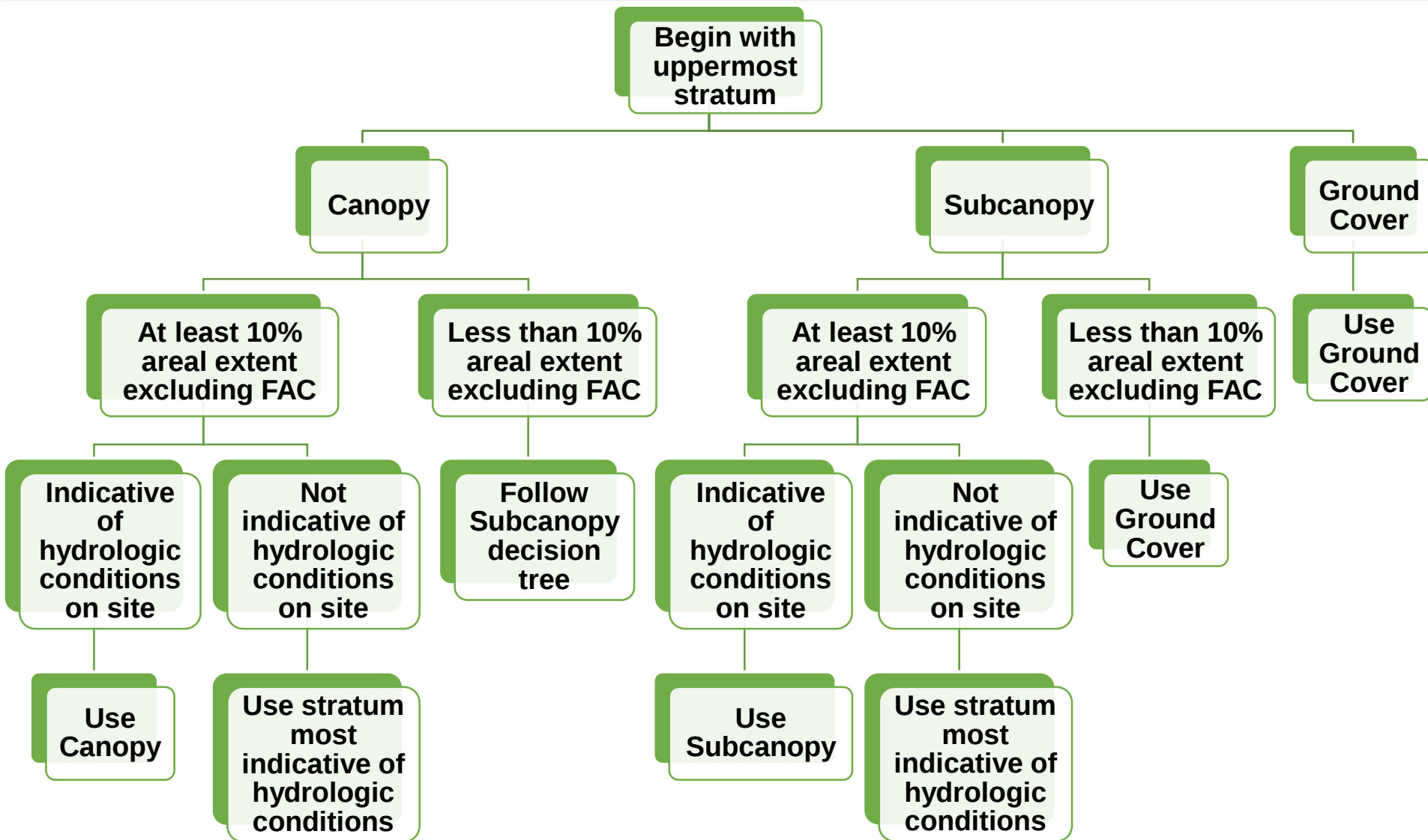
#	Binomial of Observed Species	%C	%S	%G	U	F	FW	O	#	Binomial of Observed Species	%C	%S	%G	U	F	FW	O
1.	Pinus elliotii	8	3						16.								
2.	Myrica cerifera		5	10					17.								
3.	Baccharis halimifolia		3	5					18.								
4.	Ilex glabra			8					19.								
5.	Andropogon glomeratus			13					20.								
6.	Hypericum brachyphyllum			10					21.								
7.	Rhynchospora fascicularis			20					22.								
8.	Xyris elliotii			5					23.								
9.	Lachnanthes caroliana			8					24.								
10.	Eupatorium serotinum			5					25.								
11.	Lachnocaulon anceps			5					26.								
12.	Aristida spiciformis			15					27.								
13.	Pityopsis graminifolia			3					28.								
14.									29.								
15.									30.								
% areal extent subtotals for the stratum selected in question 10					0	0	0	0	% areal extent subtotals for the stratum selected in question 10								

12. In the stratum selected in #10: What is the % areal extent of Obligate plants? 0 What is the % areal extent of Upland plants? 0
 Is the areal extent of Obligate plants greater than that of Upland plants? ☐ Yes ☒ No

13. In the stratum selected in #10: What is the % areal extent of Facultative Wet plants? 0 What is the total % areal extent of Obligate and Facultative Wet plants combined? 0 What is the total % areal extent of Obligate, Facultative Wet, and Upland plants combined? 0
 What is the percentage of OBL + FACW in relation to all plants, excluding FAC? $\frac{OBL+FACW}{OBL+FACW+UPL}$



Selection of Appropriate Vegetative Stratum



Chapter 62-340, F.A.C. Data Form

1. Site Name/PA Number/GPS location: Test Site 2. County: Clay (10) 3. Date: Mar 31, 2016
 4. Point ID/Line Segment/Location: Test Point 1 5. Point Condition: ☒ Normal ☐ Authorized or legal altered ☐ Unauthorized or illegal altered
 6. ☐ Wetland Identification ☐ Non-Wetland Surface Water Identification ☐ Upland Identification ☒ Delineation Waterward ☐ Delineation Landward
 7. Staff Present: John Smith and Jane Doe 8. Data recorder(s): JD

9. Photographs

#	Photo ID	Description, compass direction (if applicable)	Taken By	#	Photo ID	Description, compass direction (if applicable)	Taken By
1.	013	Soil profile		3.			
2.	014	Wetland community south		4.			

10. **Vegetative Stratum §62-340.400:** Using §62-340.400, F.A.C. with reasonable scientific judgment, select the appropriate vegetative stratum.
☐ Canopy (Min. 10% coverage) ☐ Subcanopy (Min. 10% coverage) ☒ Groundcover (No min. coverage) ☐ No Vegetation at Point (Skip to number 14)
 Why? Canopy and subcanopy <10%, groundcover expression normal

11. **Plant List §62-340.200(2),(6),(16), §62-340.400, §62-340.450:** *Under current conditions, without considering whether or not any alterations are illegal*
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#	Binomial of Observed Species	%C	%S	%G	U	F	FW	O	#	Binomial of Observed Species	%C	%S	%G	U	F	FW	O
1.	Pinus elliotii	<10% → 8	3						16.								
2.	Myrica cerifera		5	10					17.								
3.	Baccharis halimifolia	<10% → 3	5						18.								
4.	Ilex glabra	(because 8% is FAC)	8						19.								
5.	Andropogon glomeratus		13						20.								
6.	Hypericum brachyphyllum		10						21.								
7.	Rhynchospora fascicularis		20						22.								
8.	Xyris elliotii		5						23.								
9.	Lachnanthes caroliana		8						24.								
10.	Eupatorium serotinum		5						25.								
11.	Lachnocaulon anceps		5						26.								
12.	Aristida spiciformis		15						27.								
13.	Pityopsis graminifolia		3						28.								
14.									29.								
15.									30.								
% areal extent subtotals for the stratum selected in question 10					0	0	0	0	% areal extent subtotals for the stratum selected in question 10								

12. In the stratum selected in #10: What is the % areal extent of Obligate plants? 0 What is the % areal extent of Upland plants? 0
 Is the areal extent of Obligate plants greater than that of Upland plants? ☐ Yes ☒ No
 13. In the stratum selected in #10: What is the % areal extent of Facultative Wet plants? 0 What is the total % areal extent of Obligate and Facultative Wet plants combined? 0 What is the total % areal extent of Obligate, Facultative Wet, and Upland plants combined? 0
 What is the percentage of OBL + FACW in relation to all plants, excluding FAC? $\frac{OBL+FACW}{OBL+FACW+UPL}$

Chapter 62-340, F.A.C. Data Form

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4. Point ID/Line Segment/Location: <u>Test Point 1</u>		5. Point Condition: ☒ Normal ☐ Authorized or legal altered ☐ Unauthorized or illegal altered	
6. ☐ Wetland Identification ☐ Non-Wetland Surface Water Identification ☐ Upland Identification		7. ☒ Delineation Waterward ☐ Delineation Landward	
7. Staff Present: <u>John Smith and Jane Doe</u>		8. Data recorder(s): <u>JD</u>	

9. Photographs							
#	Photo ID	Description, compass direction (if applicable)	Taken By	#	Photo ID	Description, compass direction (if applicable)	Taken By
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☐ Canopy (Min. 10% coverage) ☐ Subcanopy (Min. 10% coverage) ☒ Groundcover (No min. coverage) ☐ No Vegetation at Point (Skip to number 14)
 Why? Canopy and subcanopy <10%, groundcover expression normal

11. **Plant List §62-340.200(2),(6),(16), §62-340.400, §62-340.450:** *Under current conditions, without considering whether or not any alterations are illegal*
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4.	Ilex glabra			8	8				19.								
5.	Andropogon glomeratus			13			13		20.								
6.	Hypericum brachyphyllum			10			10		21.								
7.	Rhynchospora fascicularis			20			20		22.								
8.	Xyris elliotii			5				5	23.								
9.	Lachnanthes carolina			8		8			24.								
10.	Eupatorium serotinum			5		5			25.								
11.	Lachnocaulon anceps			5			5		26.								
12.	Aristida spiciformis			15		15			27.								
13.	Pityopsis graminifolia			3	3				28.								
14.									29.								
15.									30.								
% areal extent subtotals for the stratum selected in question 10					11	43	48	5	% areal extent subtotals for the stratum selected in question 10								

12. In the stratum selected in #10: What is the % areal extent of Obligate plants? 5 What is the % areal extent of Upland plants? 11
 Is the areal extent of Obligate plants greater than that of Upland plants? ☐ Yes ☒ No

13. In the stratum selected in #10: What is the % areal extent of Facultative Wet plants? 48 What is the total % areal extent of Obligate and Facultative Wet plants combined? 53 What is the total % areal extent of Obligate, Facultative Wet, and Upland plants combined? 64
 What is the percentage of OBL + FACW in relation to all plants, excluding FAC? 82.8% $\left(\frac{OBL+FACW}{OBL+FACW+UPL} \right)$

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1.	Pinus elliottii	8	3						16.								
2.	Myrica cerifera		5	10		10			17.								
3.	Baccharis halimifolia		3	5		5			18.								
4.	Ilex glabra			8	8				19.								
5.	Andropogon glomeratus			13			13		20.								
6.	Hypericum brachyphyllum			10			10		21.								
7.	Rhynchospora fascicularis			20			20		22.								
8.	Xyris elliottii			5				5	23.								
9.	Lachnanthes caroliana			8		8			24.								
10.	Eupatorium serotinum			5		5			25.								
11.	Lachnocaulon anceps			5			5		26.								
12.	Aristida spiciformis			15		15			27.								
13.	Pityopsis graminifolia			3	3				28.								
14.									29.								
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% areal extent subtotals for the stratum selected in question 10					11	43	48	5	% areal extent subtotals for the stratum selected in question 10								

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 Is the areal extent of Obligate plants greater than that of Upland plants? ☐ Yes ☒ No

13. In the stratum selected in #10: What is the % areal extent of Facultative Wet plants? 48 What is the total % areal extent of Obligate and Facultative Wet plants combined? 53 What is the total % areal extent of Obligate, Facultative Wet, and Upland plants combined? 64
 What is the percentage of OBL + FACW in relation to all plants, excluding FAC? 82.8% $\left(\frac{OBL+FACW}{OBL+FACW+UPL} \right)$

Chapter 62-340, F.A.C. Data Form

1. Site Name/PA Number/GPS location: Test Site		2. County: Clay (10)		3. Date: Mar 31, 2016	
4. Point ID/Line Segment/Location: Test Point 1		5. Point Condition: ☒ Normal ☐ Authorized or legal altered ☐ Unauthorized or illegal altered			
6. ☐ Wetland Identification ☐ Non-Wetland Surface Water Identification ☐ Upland Identification ☒ Delineation Waterward ☐ Delineation Landward					
7. Staff Present: John Smith and Jane Doe				8. Data recorder(s): JD	

9. Photographs

#	Photo ID	Description, compass direction (if applicable)	Taken By	#	Photo ID	Description, compass direction (if applicable)	Taken By
1.	013	Soil profile		3.			
2.	014	Wetland community south		4.			

10. Vegetative Stratum §62-340.400: Using §62-340.400, F.A.C. with reasonable scientific judgment, select the appropriate vegetative stratum.
☐ Canopy (Min. 10% coverage) ☐ Subcanopy (Min. 10% coverage) ☒ Groundcover (No min. coverage) ☐ No Vegetation at Point (Skip to number 14)
 Why? Canopy and subcanopy <10%, groundcover expression normal

11. Plant List §62-340.200(2),(6),(16), §62-340.400, §62-340.450: *Under current conditions, without considering whether or not any alterations are illegal*
 Record the scientific name of each plant species in an area representing the community at the described point or line segment. Record the percent areal extent in the canopy, subcanopy, and groundcover columns for each plant species. For each species in the stratum selected in question 10 record the percent areal extent for that stratum in the appropriate Upland, Facultative, Facultative Wet, and Obligate columns.

#	Binomial of Observed Species	%C	%S	%G	U	F	FW	O	#	Binomial of Observed Species	%C	%S	%G	U	F	FW	O
1.	Pinus elliottii	8	3						16.								
2.	Myrica cerifera		5	10		10			17.								
3.	Baccharis halimifolia		3	5		5			18.								
4.	Ilex glabra			8	8				19.								
5.	Andropogon glomeratus			13			13		20.								
6.	Hypericum brachyphyllum			10			10		21.								
7.	Rhynchospora fascicularis			20			20		22.								
8.	Xyris elliottii			5				5	23.								
9.	Lachnanthes caroliana			8		8			24.								
10.	Eupatorium serotinum			5		5			25.								
11.	Lachnocaulon anceps			5			5		26.								
12.	Aristida spiciformis			15		15			27.								
13.	Pityopsis graminifolia			3	3				28.								
14.									29.								
15.									30.								
% areal extent subtotals for the stratum selected in question 10					11	43	48	5	% areal extent subtotals for the stratum selected in question 10								

12. In the stratum selected in #10: What is the % areal extent of Obligate plants? 5 What is the % areal extent of Upland plants? 11
 Is the areal extent of Obligate plants greater than that of Upland plants? ☐ Yes ☒ No

13. In the stratum selected in #10: What is the % areal extent of Facultative Wet plants? 48 What is the total % areal extent of Obligate and Facultative Wet plants combined? 53 What is the total % areal extent of Obligate, Facultative Wet, and Upland plants combined? 64
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Chapter 62-340, F.A.C. Data Form

1. Site Name/PA Number/GPS location: Test Site				2. County: Clay (10) ☐ 3. Date: Mar 31, 2016	
4. Point ID/Line Segment/Location: Test Point 1		5. Point Condition: ☒ Normal ☐ Authorized or legal altered ☐ Unauthorized or illegal altered			
6. ☐ Wetland Identification ☐ Non-Wetland Surface Water Identification ☐ Upland Identification		7. Delineation Waterward ☒ Delineation Landward ☐			
7. Staff Present: John Smith and Jane Doe				8. Data recorder(s): JD	

9. Photographs							
#	Photo ID	Description, compass direction (if applicable)	Taken By	#	Photo ID	Description, compass direction (if applicable)	Taken By
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10. Vegetative Stratum §62-340.400: Using §62-340.400, F.A.C. with reasonable scientific judgment, select the appropriate vegetative stratum.
☐ Canopy (Min. 10% coverage) ☐ Subcanopy (Min. 10% coverage) ☒ Groundcover (No min. coverage) ☐ No Vegetation at Point (Skip to number 14)
 Why? Canopy and subcanopy <10%, groundcover expression normal

11. Plant List §62-340.200(2),(6),(16), §62-340.400, §62-340.450: *Under current conditions, without considering whether or not any alterations are illegal*
 Record the scientific name of each plant species in an area representing the community at the described point or line segment. Record the percent areal extent in the canopy, subcanopy, and groundcover columns for each plant species. For each species in the stratum selected in question 10 record the percent areal extent for that stratum in the appropriate Upland, Facultative, Facultative Wet, and Obligate columns.

#	Binomial of Observed Species	%C	%S	%G	U	F	FW	O	#	Binomial of Observed Species	%C	%S	%G	U	F	FW	O
1.	Pinus elliottii	8	3						16.								
2.	Myrica cerifera		5	10		10			17.								
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4.	Ilex glabra			8	8				19.								
5.	Andropogon glomeratus			13			13		20.								
6.	Hypericum brachyphyllum			10			10		21.								
7.	Rhynchospora fascicularis			20			20		22.								
8.	Xyris elliottii			5				5	23.								
9.	Lachnanthes caroliana			8		8			24.								
10.	Eupatorium serotinum			5		5			25.								
11.	Lachnocaulon anceps			5			5		26.								
12.	Aristida spiciformis			15		15			27.								
13.	Pityopsis graminifolia			3	3				28.								
14.									29.								
15.									30.								
% areal extent subtotals for the stratum selected in question 10					11	43	48	5	% areal extent subtotals for the stratum selected in question 10								

12. In the stratum selected in #10: What is the % areal extent of Obligate plants? 5 What is the % areal extent of Upland plants? 11
 Is the areal extent of Obligate plants greater than that of Upland plants? ☐ Yes ☒ No

13. In the stratum selected in #10: What is the % areal extent of Facultative Wet plants? 48 What is the total % areal extent of Obligate and Facultative Wet plants combined? 53 = 48+5 What is the total % areal extent of Obligate, Facultative Wet, and Upland plants combined? 64
 What is the percentage of OBL + FACW in relation to all plants, excluding FAC? 82.8% $\left(\frac{OBL+FACW}{OBL+FACW+UPL} \right) = \frac{48+5}{48+5+11} = \frac{53}{64} = 0.828 = 53+11$



**And now you've documented
the vegetative portions of the
A and B Tests!**