

APPENDIX B1

Second Annual Monitoring Vegetation Data
Restored/Created Hydric Pine Flatwoods
2006

Condition Codes for Tree Plots

Condition Code	Description
Category 1	Live. Tree appears in a good condition, leaves green, no symptoms of wilting, die back or chlorotic appearance of leaves.
Category 2	Stressed. Tree appears to be in generally poor condition characterized by chlorotic leaves, wilting, and leaf drop.
Category 3	Basal sprouts. The main stem is dead, but new growth is initiated from the stem base or the rootstock.
Category 4	Tip die-back. The main stem is in good condition, but the most apical portions are in poor condition exhibiting wilting and die back symptoms.
Category 5	Apparently dead. The general appearance of the stem is dry and brittle with no live wood observed and there is no observable foliage growth.
Category 6	Dead. A decision as to whether a tree was dead was generally made only following a sampling period in which the tree was classified as "apparently dead". Only if initial observation indicated that the stem was in such poor condition that survival was unlikely was a tree listed as dead.
Category 7	Not found. In some cases seedlings are not found during a particular sampling period. If a seedling is not found on two successive sampling periods, the seedling is counted as dead.
Category 8	Recruitment by seed. New seedling in plot, which is apparently growing from seed (no clear signs of root sprout, etc.).
Category 9	Recruitment by roots. New seedling in plot, which is apparently growing from root sprout.
Category 10	Seeding. Live tree, which is producing seeds.
Category 11	New. Live tree not previously recorded in data set, but does not appear to be recruitment by seed or root.

Manatee 1 Site: Hydric Pine 1 Transect 1 Ground Cover 300' Point Intercept				
Transect: 1		Date: 11/9/2006		
Orientation:		Personnel: LS		
Species	Common Name	% Ground	% Midstory	% Canopy
Water Depth		saturated		
Bare Ground		11		
<i>Amphicarpum muhlenbergianum</i>	Blue maidencane	1		
<i>Andropogon glomeratus</i>	Bushy bluestem	2		
<i>Andropogon virginicus</i>	Broomsedge	2		
<i>Bacopa sp.</i>	Waterhyssop	1		
<i>Centella asiatica</i>	Asiatic pennywort	4		
<i>Ceratopteris pteridoides</i>	Water horn fern	6		
<i>Commelina diffusa</i>	Common dayflower	1		
<i>Cynodon dactylon</i>	Bermuda grass	9		
<i>Cyperus haspan</i>	Haspan flatsedge	1		
<i>Cyperus polystachyos</i>	Manyspike flatssedge	5		
<i>Cyperus surinamensis</i>	Tropical flatsedge	6		
<i>Eleocharis baldwinii</i>	Roadgrass	7		
<i>Eupatorium capillifolium</i>	Dog fennel	1		
<i>Hydrocotyle umbellata</i>	Marshpennywort	9		
<i>Juncus effusus</i>	Soft rush	4		
<i>Juncus repens</i>	Lesser creeping rush	1		
<i>Ludwigia virgata</i>	Savannah primrosewillow	3		
<i>Phyla nodiflora</i>	Frogfruit	7		
<i>Pluchea sp.</i>	Stinkweed	1		
<i>Polygonum sp.</i>	Smartweed	4		
<i>Rhynchospora sp.</i>	Beakrush	2		
<i>Sacciolepis striata</i>	American cupscale	1		
<i>Salix caroliniana</i>	Carolina willow	1		
<i>Spartina bakeri</i>	Sand cordgrass	1		
<i>Symphyotrichum subulatum</i>	Annual saltmarsh aster	3		
<i>Typha sp.</i>	Cattail	5		
unknown grass		1		
Total Vegetation		89		

Manatee 1 Site: Hydric Pine 1 Transect 2 Ground Cover 300' Point Intercept				
Transect: 2		Date: 11/9/2006		
Orientation:		Personnel: LS		
Species	Common Name	% Ground	% Midstory	% Canopy
Water Depth		saturated		
Bare Ground		20		
<i>Amphicarpum muhlenbergianum</i>	Blue maidencane	1		
<i>Andropogon glomeratus</i>	Bushy bluestem	2		
<i>Andropogon virginicus</i>	Broomsedge	3		
<i>Bacopa monnieri</i>	Smooth hyssop	2		
<i>Ceratopteris pteridoides</i>	Water horn fern	3		
<i>Cynodon dactylon</i>	Bermuda grass	11		
<i>Cyperus haspan</i>	Haspan flatsedge	1		
<i>Cyperus polystachyos</i>	Manyspike flatssedge	6		
<i>Cyperus sp.</i>	Flat sedge	4		
<i>Cyperus surinamensis</i>	Tropical flatsedge	2		
<i>Echinochloa crusgalli</i>	Barnyard grass	1		
<i>Eleocharis baldwinii</i>	Roadgrass	12		
<i>Hydrocotyle umbellata</i>	Marshpennywort	12		
<i>Juncus effusus</i>	Soft rush	2		
<i>Juncus repens</i>	Lesser creeping rush	1		
<i>Ludwigia virgata</i>	Savannah primrosewillow	6		
<i>Mikania scandens</i>	Climbing hempweed	1		
<i>Pluchea sp.</i>	Stinkweed	1		
<i>Rhynchospora sp.</i>	Beakrush	1		
<i>Setaria geniculata</i>	Knotroot foxtail	4		
<i>Spartina bakeri</i>	Sand cordgrass	1		
<i>Symphyotrichum subulatum</i>	Annual saltmarsh aster	2		
<i>Tripsacum dactyloides</i>	Eastern gamagrass	1		
Total Vegetation		80		

Manatee 1 Site: Hydric Pine 1 Transect 1 1/20 acre (26.3' radius) Tree Plot (0')				
Species	Common Name	Height	Crown	Condition
<i>Pinus elliottii</i>	Slash pine	1.4	0.6	1
<i>Pinus elliottii</i>	Slash pine	1.1	0.7	1
<i>Pinus elliottii</i>	Slash pine	1.6	0.6	2
<i>Pinus elliottii</i>	Slash pine	2.8	1	1
<i>Pinus elliottii</i>	Slash pine	1.6	0.5	1
<i>Pinus elliottii</i>	Slash pine	3.2	0.8	1
<i>Pinus elliottii</i>	Slash pine	3.8	1.1	2
Average		2.21	0.76	

Manatee 1 Site: Hydric Pine 1 Transect 2 1/20 acre (26.3' radius) Tree Plot (0')				
Species	Common Name	Height	Crown	Condition
<i>Liquidambar styraciflua</i>	Sweetgum	3.4	1	1
<i>Persea palustris</i>	Swamp bay	2.7	1.5	1
<i>Persea palustris</i>	Swamp bay	3.1	1.3	1
<i>Pinus elliottii</i>	Slash pine	2.8	1.1	2
<i>Pinus elliottii</i>	Slash pine	1.8	0.9	1
<i>Pinus elliottii</i>	Slash pine	1.4	0.8	1
<i>Pinus elliottii</i>	Slash pine	1.6	1	1
<i>Pinus elliottii</i>	Slash pine	2	1.2	1
<i>Pinus elliottii</i>	Slash pine	1.6	0.5	2
<i>Pinus elliottii</i>	Slash pine	1.7	0.9	1
<i>Ulmus alata</i>	Winged elm	7.8	2.4	1
DEAD PINES 4				
Average		2.72	1.15	

Manatee 1 Site: Hydric Pine 1 Transect 1 1/20 acre (26.3' radius) Tree Plot (100')				
Species	Common Name	Height	Crown	Condition
<i>Pinus elliottii</i>	Slash pine	1.7	0.7	1
<i>Pinus elliottii</i>	Slash pine	1.5	0.8	1
<i>Pinus elliottii</i>	Slash pine	1.6	0.8	2
<i>Pinus elliottii</i>	Slash pine	1.2	0.7	1
<i>Pinus elliottii</i>	Slash pine	1.6	0.7	1
<i>Pinus elliottii</i>	Slash pine	1	0.8	2
<i>Pinus elliottii</i>	Slash pine	1.6	0.8	1
<i>Pinus elliottii</i>	Slash pine	2.2	1.2	1
<i>Pinus elliottii</i>	Slash pine	1.6	0.6	1
<i>Taxodium distichum</i>	Bald-cypress	1.9	0.5	1
Average		1.59	0.76	

Manatee 1 Site: Hydric Pine 1 Transect 2 1/20 acre (26.3' radius) Tree Plot (100')				
Species	Common Name	Height	Crown	Condition
<i>Taxodium distichum</i>	Bald-cypress	4.7	1.1	1
<i>Taxodium distichum</i>	Bald-cypress	2.4	0.7	4
Average		3.55	0.90	

Manatee 1 Site: Hydric Pine 1 Transect 1 1/20 acre (26.3' radius) Tree Plot (200')				
Species	Common Name	Height	Crown	Condition
<i>Nyssa sylvatica</i>	Blackgum	6.7	2.8	1
<i>Pinus elliottii</i>	Slash pine	1.5	0.8	1
<i>Pinus elliottii</i>	Slash pine	1.3	0.7	2
<i>Pinus elliottii</i>	Slash pine	2	0.8	1
<i>Pinus elliottii</i>	Slash pine	1.8	0.8	1
<i>Pinus elliottii</i>	Slash pine	1.8	0.7	1
<i>Pinus elliottii</i>	Slash pine	1.5	0.5	1
<i>Pinus elliottii</i>	Slash pine	1.8	0.8	1
<i>Pinus elliottii</i>	Slash pine	2.1	0.8	1
<i>Pinus elliottii</i>	Slash pine	2.1	0.8	1
<i>Pinus elliottii</i>	Slash pine	1.5	0.7	1
<i>Taxodium distichum</i>	Bald-cypress	3.7	1.4	1
<i>Taxodium distichum</i>	Bald-cypress	3.7	1.5	1

Manatee 1 Site: Hydric Pine 1 Transect 1, Continued 1/20 acre (26.3' radius) Tree Plot (200')				
Species	Common Name	Height	Crown	Condition
<i>Taxodium distichum</i>	Bald-cypress	1.4	0.4	2
<i>Taxodium distichum</i>	Bald-cypress	3.8	1	1
DEAD PINES 1				
Average		2.45	0.97	

Manatee 1 Site: Hydric Pine 1 Transect 2 1/20 acre (26.3' radius) Tree Plot (200')				
Species	Common Name	Height	Crown	Condition
<i>Cornus florida</i>	Flowering dogwood	3.5	0.6	1
<i>Pinus elliottii</i>	Slash pine	2.2	0.9	1
<i>Pinus elliottii</i>	Slash pine	1.4	0.6	1
<i>Pinus elliottii</i>	Slash pine	2.3	1	1
<i>Pinus elliottii</i>	Slash pine	2	0.9	1
<i>Pinus elliottii</i>	Slash pine	1.5	0.7	1
<i>Pinus elliottii</i>	Slash pine	1.7	0.8	1
<i>Pinus elliottii</i>	Slash pine	1.1	0.6	1
DEAD PINES 2				
Average		1.96	0.76	

Manatee 1 Site: Hydric Pine 1 Transect 1 1/20 acre (26.3' radius) Tree Plot (300')				
Species	Common Name	Height	Crown	Condition
<i>Pinus elliottii</i>	Slash pine	1.5	0.7	2
<i>Pinus elliottii</i>	Slash pine	1.6	0.9	1
<i>Pinus elliottii</i>	Slash pine	1.5	0.8	1
<i>Pinus elliottii</i>	Slash pine	1.6	0.8	1
<i>Pinus elliottii</i>	Slash pine	1.9	0.9	1
<i>Pinus elliottii</i>	Slash pine	2.1	1.6	1
<i>Pinus elliottii</i>	Slash pine	2.2	1.6	1
<i>Pinus elliottii</i>	Slash pine	2	1.2	1
<i>Pinus elliottii</i>	Slash pine	1.6	0.7	1
<i>Pinus elliottii</i>	Slash pine	1.6	0.6	1
<i>Pinus elliottii</i>	Slash pine	1.5	0.8	2
<i>Pinus elliottii</i>	Slash pine	1.4	0.6	1
<i>Pinus elliottii</i>	Slash pine	1.4	0.6	2
<i>Pinus elliottii</i>	Slash pine	1.9	0.9	1
<i>Pinus elliottii</i>	Slash pine	2	1.4	1
<i>Pinus elliottii</i>	Slash pine	2	0.9	1
<i>Pinus elliottii</i>	Slash pine	1.5	1	1
<i>Pinus elliottii</i>	Slash pine	2.2	1.5	1
<i>Pinus elliottii</i>	Slash pine	1.7	0.8	1
<i>Quercus laurifolia</i>	Laurel oak	2.5	1.3	1
<i>Vaccinium arboreum</i>	Sparkleberry	3.2	1.8	1
DEAD PINES 2				
Average		1.85	1.02	

Manatee 1 Site: Hydric Pine 1 Transect 2 1/20 acre (26.3' radius) Tree Plot (300')				
Species	Common Name	Height	Crown	Condition
<i>Ilex cassine</i>	Dahoon holly	1.6	1.1	1
<i>Pinus elliottii</i>	Slash pine	0.9	0.6	2
<i>Pinus elliottii</i>	Slash pine	1.8	0.7	1
<i>Quercus laurifolia</i>	Laurel oak	2.4	0.9	1
<i>Quercus laurifolia</i>	Laurel oak	2.4	0.9	1
<i>Taxodium distichum</i>	Bald-cypress	3.5	1	1
<i>Taxodium distichum</i>	Bald-cypress	3.6	0.6	1
<i>Taxodium distichum</i>	Bald-cypress	4.2	1.6	1
DEAD PINES 2				
Average		2.55	0.93	

Manatee 1 Site: Hydric Pine 2 Transect 1 Ground Cover 300' Point Intercept				
Transect: 1		Date: 11/9/2006		
Orientation:		Personnel: LS		
Species	Common Name	% Ground	% Midstory	% Canopy
Water Depth				
Bare Ground		20		
<i>Andropogon virginicus</i>	Broomsedge	5		
<i>Centella asiatica</i>	Asiatic pennywort	7		
<i>Commelina diffusa</i>	Common dayflower	12		
<i>Cynodon dactylon</i>	Bermuda grass	11		
<i>Cyperus haspan</i>	Haspan flatsedge	1		
<i>Cyperus sp.</i>	Flat sedge	1		
<i>Cyperus surinamensis</i>	Tropical flatsedge	5		
<i>Dichanthelium strigosum</i>	Roughhair witchgrass	1		
<i>Eleocharis baldwinii</i>	Roadgrass	7		
<i>Eupatorium capillifolium</i>	Dog fennel	1		
<i>Indigofera hirsuta</i>	Hairy indigo	1		
<i>Iris hexagona</i>	Prairie iris	1		
<i>Juncus effusus</i>	Soft rush	3		
<i>Ludwigia peruviana</i>	Primrosewillow	2		
<i>Ludwigia repens</i>	Creeping primrosewillow	2		
<i>Rhynchospora sp.</i>	Beakrush	3		
<i>Sacciolepis striata</i>	American cupscale	5		
<i>Setaria geniculata</i>	Knotroot foxtail	3		
<i>Tripsacum dactyloides</i>	Eastern gamagrass	2		
<i>Woodwardia virginica</i>	Virginia chain fern	1		
Unknown grass		5		
Unknown herb		1		
Total Vegetation		80		

Manatee 1 Site: Hydric Pine 2 Transect 1 1/20 acre (26.3' radius) Tree Plot (50')				
Species	Common Name	Height	Crown	Condition
<i>Ilex cassine</i>	Dahoon holly	1.1	0.7	10
<i>Liquidambar styraciflua</i>	Sweetgum	3.4	0.6	1
<i>Nyssa aquatica</i>	Water tupelo	6	2.5	1
<i>Persea palustris</i>	Swamp bay	8	4.1	1
<i>Persea palustris</i>	Swamp bay	21	13.5	1
<i>Pinus elliotii</i>	Bald-cypress	3.4	1.7	1
<i>Pinus elliotii</i>	Bald-cypress	3.6	1.6	1
<i>Pinus elliotii</i>	Bald-cypress	2.6	1.5	1
<i>Quercus laurifolia</i>	Slash pine	9.5	3	1
<i>Quercus laurifolia</i>	Slash pine	4	1.1	1
<i>Sabal palmetto</i>	Cabbage palm	0.7	0.2	8
<i>Sabal palmetto</i>	Cabbage palm	0.6	0.2	8
<i>Sabal palmetto</i>	Cabbage palm	0.3	0.1	8
<i>Sabal palmetto</i>	Cabbage palm	1.5	0.8	8
<i>Sabal palmetto</i>	Cabbage palm	1.4	0.8	8
<i>Sabal palmetto</i>	Cabbage palm	1.6	0.9	8
<i>Taxodium distichum</i>	Laurel oak	3.8	1.5	10
<i>Taxodium distichum</i>	Laurel oak	3	1.2	5
DEAD PINES 12				
Average		4.26	2.05	

Manatee 1 Site: Hydric Pine 2 Transect 1 1/20 acre (26.3' radius) Tree Plot (150')				
Species	Common Name	Height	Crown	Condition
<i>Ilex cassine</i>	Dahoon holly	1.2	0.4	5
<i>Liquidambar styraciflua</i>	Sweetgum	3.2	0.9	1
<i>Nyssa aquatica</i>	Water tupelo	5.2	1.6	1
<i>Pinus elliotii</i>	Bald-cypress	5.9	3.1	1
<i>Pinus elliotii</i>	Bald-cypress	4.7	1.7	1
<i>Pinus elliotii</i>	Bald-cypress	1.5	0.8	1
<i>Pinus elliotii</i>	Bald-cypress	1.5	0.6	1
<i>Pinus elliotii</i>	Bald-cypress	5.4	2.1	1
<i>Pinus elliotii</i>	Bald-cypress	4.5	1.8	1
<i>Pinus elliotii</i>	Bald-cypress	4.2	2	1
<i>Pinus elliotii</i>	Bald-cypress	3	1.5	1

Manatee 1 Site: Hydric Pine 2 Transect 1, Continued 1/20 acre (26.3' radius) Tree Plot (150')				
Species	Common Name	Height	Crown	Condition
<i>Pinus elliotii</i>	Bald-cypress	2.2	0.7	1
<i>Pinus elliotii</i>	Bald-cypress	6	2.3	1
<i>Pinus elliotii</i>	Bald-cypress	3.8	1.7	1
<i>Pinus elliotii</i>	Bald-cypress	1.7	1.1	1
<i>Pinus elliotii</i>	Bald-cypress	5.9	3	1
<i>Pinus elliotii</i>	Bald-cypress	3.7	1.7	1
<i>Taxodium distichum</i>	Laurel oak	4.2	1.6	1
<i>Taxodium distichum</i>	Laurel oak	2.5	0.7	2
<i>Taxodium distichum</i>	Laurel oak	3.7	1.4	1
DEAD PINES 3				
Average		3.70	1.54	

Manatee 1 Site: Hydric Pine 2 Transect 1 1/20 acre (26.3' radius) Tree Plot (250')				
Species	Common Name	Height	Crown	Condition
<i>Ilex cassine</i>	Dahoon holly	1	0.7	1
<i>Ilex cassine</i>	Dahoon holly	8.3	3.1	1
<i>Liquidambar styraciflua</i>	Sweetgum	3.5	0.8	1
<i>Pinus elliotii</i>	Bald-cypress	3.0	1.1	1
<i>Pinus elliotii</i>	Bald-cypress	5.4	2.5	1
<i>Pinus elliotii</i>	Bald-cypress	6.4	3.5	1
<i>Pinus elliotii</i>	Bald-cypress	4.3	1.6	1
<i>Pinus elliotii</i>	Bald-cypress	3.1	1.3	1
<i>Pinus elliotii</i>	Bald-cypress	5.0	1.5	1
<i>Pinus elliotii</i>	Bald-cypress	6.1	2.4	1
<i>Pinus elliotii</i>	Bald-cypress	1.7	0.4	1
<i>Pinus elliotii</i>	Bald-cypress	3.3	1.3	1
<i>Quercus laurifolia</i>	Slash pine	24.8	13.5	1
<i>Quercus laurifolia</i>	Slash pine	20.1	13.5	1
<i>Quercus laurifolia</i>	Slash pine	8.5	3.7	1
<i>Sabal palmetto</i>	Cabbage palm	8.1	9.9	1
<i>Sabal palmetto</i>	Cabbage palm	9.5	9.8	1
<i>Sabal palmetto</i>	Cabbage palm	8.5	6.8	1
<i>Sabal palmetto</i>	Cabbage palm	3.8	3	8
<i>Sabal palmetto</i>	Cabbage palm	2.4	2.2	8
<i>Sabal palmetto</i>	Cabbage palm	2.1	1.8	8
<i>Sabal palmetto</i>	Cabbage palm	5.3	4	1
<i>Sabal palmetto</i>	Cabbage palm	5.1	4	1
<i>Sabal palmetto</i>	Cabbage palm	2.6	1.4	8
<i>Sabal palmetto</i>	Cabbage palm	3.4	2.5	8
<i>Sabal palmetto</i>	Cabbage palm	2	1.4	8
<i>Sabal palmetto</i>	Cabbage palm	2	1.4	8
<i>Sabal palmetto</i>	Cabbage palm	2.5	1.4	8
<i>Sabal palmetto</i>	Cabbage palm	8.6	5	1
<i>Sabal palmetto</i>	Cabbage palm	5.8	3.4	1
<i>Sabal palmetto</i>	Cabbage palm	14.7	8.7	1
DEAD PINES 4				
Average		6.16	3.79	

Manatee 1 Site: Hydric Pine 2 Transect 1 Ground Cover 300' Point Intercept				
Transect: 1		Date: 11/9/2006		
Orientation:		Personnel: MJF/LS		
Species	Common Name	% Ground	% Midstory	% Canopy
Water Depth				
Bare Ground		6		
<i>Andropogon virginicus</i> *	Broomsedge	6		
<i>Aster spp.</i>	Aster	4		
<i>Ceratopteris pteridoides</i>	Water horn fern	1		
<i>Commelina diffusa</i>	Common dayflower	18		
<i>Cynodon dactylon</i> *	Bermuda grass	19		
<i>Cyperus polystachyos</i>	Manyspike flatsedge	2		
<i>Cyperus sp.</i>	Flat sedge	3		
<i>Cyperus surinamensis</i>	Tropical flatsedge	1		
<i>Desmodium sp.</i>	Ticktrefoil	6		
<i>Dichromena colorata</i>	White-top sedge	2		

Manatee 1 Site: Hydric Pine 2 Transect 1, Continued Ground Cover 300' Point Intercept				
Transect: 1		Date: 11/9/2006		
Orientation:		Personnel: MJF/LS		
Species	Common Name	% Ground	% Midstory	% Canopy
Water Depth				
<i>Echinochloa crusgalli</i>	Barnyard grass	2		
<i>Eupatorium capillifolium</i>	Dog fennel	2		
<i>Hydrocotyle umbellata</i>	Marshpennywort	1		
<i>Ludwigia repens</i>	Creeping primrosewillow	4		
<i>Phyla nodiflora</i>	Frogfruit	10		
<i>Setaria geniculata</i>	Knotroot foxtail	7		
<i>Spartina bakeri</i>	Sand cordgrass	3		
<i>Symphotrichum subulatum</i>	Annual saltmarsh aster	6		
<i>Tripsacum dactyloides</i>	Eastern gamagrass	1		
unknown herb		2		
Total Vegetation		100		

*planted species

Manatee 1 Site: Hydric Pine 3 Transect 1 1/20 acre (26.3' radius) Tree Plot (0')				
Species	Common Name	Height	Crown	Condition
<i>Nyssa aquatica</i>	Water tupelo	5.8	1.4	1
<i>Persea palustris</i>	Swamp bay	2.7	0.8	1
<i>Pinus elliotii</i>	Bald-cypress	1.3	0.8	1
<i>Pinus elliotii</i>	Bald-cypress	2.8	1.1	1
<i>Pinus elliotii</i>	Bald-cypress	1.1	0.8	1
<i>Pinus elliotii</i>	Bald-cypress	2.9	0.9	1
<i>Pinus elliotii</i>	Bald-cypress	2.8	0.7	2
<i>Pinus elliotii</i>	Bald-cypress	1	0.2	2
<i>Pinus elliotii</i>	Bald-cypress	4.2	1.5	1
<i>Pinus elliotii</i>	Bald-cypress	1.2	0.4	1
<i>Pinus elliotii</i>	Bald-cypress	1.4	0.5	2
<i>Pinus elliotii</i>	Bald-cypress	3.3	1.2	1
<i>Pinus elliotii</i>	Bald-cypress	2.1	1.1	1
<i>Pinus elliotii</i>	Bald-cypress	2.2	0.8	1
<i>Pinus elliotii</i>	Bald-cypress	2.7	1.4	2
<i>Pinus elliotii</i>	Bald-cypress	2.3	0.9	1
<i>Pinus elliotii</i>	Bald-cypress	1.8	0.6	1
<i>Pinus elliotii</i>	Bald-cypress	2	0.9	1
<i>Pinus elliotii</i>	Bald-cypress	0.8	0.7	1
<i>Pinus elliotii</i>	Bald-cypress	1.8	0.6	1
<i>Pinus elliotii</i>	Bald-cypress	1.5	0.8	1
<i>Pinus elliotii</i>	Bald-cypress	1.8	0.7	1
<i>Pinus elliotii</i>	Bald-cypress	2.1	0.9	1
<i>Quercus laurifolia</i>	Slash pine	1.9	0.9	1
<i>Quercus laurifolia</i>	Slash pine	2	0.9	1
<i>Sabal palmetto</i>	Cabbage palm	1	0.1	8
DEAD PINES 1				
Average		2.17	0.83	

Manatee 1 Site: Hydric Pine 3 Transect 1 1/20 acre (26.3' radius) Tree Plot (100')				
Species	Common Name	Height	Crown	Condition
<i>Cornus florida</i>	Flowering dogwood	3.6	0.9	1
<i>Liquidambar styraciflua</i>	Sweetgum	3.6	0.5	1
<i>Liquidambar styraciflua</i>	Sweetgum	2.8	0.7	1
<i>Persea palustris</i>	Swamp bay	2.7	1.3	
<i>Pinus elliotii</i>	Bald-cypress	4.3	1.5	1
<i>Pinus elliotii</i>	Bald-cypress	3.9	1.1	1
<i>Pinus elliotii</i>	Bald-cypress	5.1	1.7	1
<i>Pinus elliotii</i>	Bald-cypress	2.1	0.8	1
<i>Pinus elliotii</i>	Bald-cypress	1.8	0.5	1
<i>Pinus elliotii</i>	Bald-cypress	1.7	0.3	2
<i>Quercus laurifolia</i>	Slash pine	2.3	0.9	1
<i>Quercus laurifolia</i>	Slash pine	1.5	0.8	1
<i>Quercus laurifolia</i>	Slash pine	1.8	1.1	1
DEAD PINES 1				
Average		3.03	1.04	

Manatee 1 Site: Hydric Pine 3 Transect 1 1/20 acre (26.3' radius) Tree Plot (200')				
Species	Common Name	Height	Crown	Condition
<i>Acer rubrum</i>	Red maple	~25	13.6	1
<i>Ilex cassine</i>	Dahoon holly	1.2	0.8	1
<i>Ilex cassine</i>	Dahoon holly	1.4	0.9	1
<i>Liquidambar styraciflua</i>	Sweetgum	3.1	0.6	1
<i>Pinus elliotii</i>	Bald-cypress	4.7	2.2	1
<i>Pinus elliotii</i>	Bald-cypress	4.6	2.1	1
<i>Pinus elliotii</i>	Bald-cypress	5.2	2.1	1
<i>Pinus elliotii</i>	Bald-cypress	3.8	1.7	1
<i>Sabal palmetto</i>	Cabbage palm	3.3	2.6	1
<i>Sabal palmetto</i>	Cabbage palm	4.6	3.1	1
<i>Sabal palmetto</i>	Cabbage palm	11.1	9.4	1
<i>Sabal palmetto</i>	Cabbage palm	20.0	10.0	1
<i>Sabal palmetto</i>	Cabbage palm	7.8	5.7	1
<i>Sabal palmetto</i>	Cabbage palm	9.8	8.1	1
<i>Sabal palmetto</i>	Cabbage palm	4.7	2.9	1
<i>Sabal palmetto</i>	Cabbage palm	2.2	1.3	1
<i>Sabal palmetto</i>	Cabbage palm	2.7	1.9	1
<i>Sabal palmetto</i>	Cabbage palm	0.7	0.1	8
Average		5.35	3.84	

Manatee 1 Site: Hydric Pine 3 Transect 1 1/20 acre (26.3' radius) Tree Plot (300')				
Species	Common Name	Height	Crown	Condition
<i>Pinus elliotii</i>	Bald-cypress	1.6	0.8	1
<i>Pinus elliotii</i>	Bald-cypress	3.8	1.1	2
<i>Pinus elliotii</i>	Bald-cypress	4.6	2.1	1
<i>Pinus elliotii</i>	Bald-cypress	5.8	2.4	1
<i>Pinus elliotii</i>	Bald-cypress	1.8	0.7	1
<i>Pinus elliotii</i>	Bald-cypress	2.4	0.7	1
<i>Pinus elliotii</i>	Bald-cypress	1.9	0.6	1
<i>Pinus elliotii</i>	Bald-cypress	4.2	1.8	1
<i>Sabal palmetto</i>	Cabbage palm	0.5	0.3	1
<i>Sabal palmetto</i>	Cabbage palm	0.8	0.1	1
<i>Sabal palmetto</i>	Cabbage palm	0.8	0.1	1
<i>Sabal palmetto</i>	Cabbage palm	0.8	0.1	1
<i>Sabal palmetto</i>	Cabbage palm	1	0.2	1
<i>Sabal palmetto</i>	Cabbage palm	1.3	0.2	1
<i>Sabal palmetto</i>	Cabbage palm	1.2	0.1	1
<i>Sabal palmetto</i>	Cabbage palm	0.6	0.1	1
<i>Sabal palmetto</i>	Cabbage palm	9.6	10	1
<i>Sabal palmetto</i>	Cabbage palm	0.6	0.1	1
DEAD PINES 6				
Average		2.41	1.19	

Manatee 1 Site: Hydric Pine 4 Transect 1 1/20 acre (26.3' radius) Tree Plot (50')				
Species	Common Name	Height	Crown	Condition
<i>Persea palustris</i>	Swamp bay	2.8	1.3	1
<i>Persea palustris</i>	Swamp bay	2.6	1.1	1
<i>Persea palustris</i>	Swamp bay	2.6	1.2	1
<i>Pinus elliotii</i>	Bald-cypress	2.2	1.2	1
<i>Pinus elliotii</i>	Bald-cypress	1	0.3	2
<i>Pinus elliotii</i>	Bald-cypress	1.7	0.9	1
<i>Quercus laurifolia</i>	Slash pine	1.8	0.9	1
<i>Sabal palmetto</i>	Cabbage palm	10.1	8.6	1
<i>Sabal palmetto</i>	Cabbage palm	12.9	10.8	1
<i>Sabal palmetto</i>	Cabbage palm	12	9.5	1
DEAD PINES 2				
Average		4.97	3.58	

Manatee 1 Site: Hydric Pine 4 Transect 1 Ground Cover 300' Point Intercept				
Transect: 1		Date: 11/10/2006		
Orientation:		Personnel: LS		
Species	Common Name	% Ground	% Midstory	% Canopy
Bare ground		26		
<i>Ammannia</i> sp.	Ammania	1		
<i>Centella asiatica</i>	Asiatic pennywort	4		
<i>Commelina diffusa</i>	Common dayflower	5		
<i>Cynodon dactylon</i>	Bermuda grass	26		
<i>Cyperus haspan</i>	Haspan flatsedge	4		
<i>Cyperus</i> sp.	Flat sedge	2		
<i>Ipomoea</i> sp.	Morning glory	1		
<i>Juncus effusus</i>	Soft rush	1		
<i>Ludwigia repens</i>	Creeping primrosewillow	5		
<i>Phyla nodiflora</i>	Frogfruit	12		
<i>Sacciolepis striata</i>	American cupscale	7		
<i>Scoparia dulcis</i>	Sweet-broom	2		
<i>Setaria geniculata</i>	Knotroot foxtail	3		
unknown herb		1		
Total Vegetation		74		

Manatee 1 Site: Hydric Pine 4 Transect 1 1/20 acre (26.3' radius) Tree Plot (150')				
Species	Common Name	Height	Crown	Condition
<i>Pinus elliotii</i>	Bald-cypress	0.9	0.3	2
<i>Pinus elliotii</i>	Bald-cypress	1.6	1.4	1
<i>Pinus elliotii</i>	Bald-cypress	2	0.4	1
<i>Pinus elliotii</i>	Bald-cypress	1.2	0.9	2
<i>Pinus elliotii</i>	Bald-cypress	3.2	1	1
<i>Pinus elliotii</i>	Bald-cypress	1.8	0.9	1
<i>Pinus elliotii</i>	Bald-cypress	1.2	0.5	2
<i>Pinus elliotii</i>	Bald-cypress	1.4	0.7	1
<i>Quercus laurifolia</i>	Slash pine	2	0.9	1
<i>Quercus laurifolia</i>	Slash pine	1.8	0.8	1
<i>Sabal palmetto</i>	Cabbage palm	15.6	10.5	1
<i>Sabal palmetto</i>	Cabbage palm	12.3	8.9	1
<i>Sabal palmetto</i>	Cabbage palm	12.3	8.4	1
<i>Sabal palmetto</i>	Cabbage palm	10.8	6.3	1
<i>Sabal palmetto</i>	Cabbage palm	2.4	1.8	1
<i>Sabal palmetto</i>	Cabbage palm	11.2	1.2	1
<i>Sabal palmetto</i>	Cabbage palm	1.6	1.1	1
<i>Sabal palmetto</i>	Cabbage palm	4.2	2.4	1
Average		4.86	2.69	

Manatee 1 Site: Hydric Pine 4 Transect 1 1/20 acre (26.3' radius) Tree Plot (250')				
Species	Common Name	Height	Crown	Condition
<i>Pinus elliotii</i>	Bald-cypress	2	0.8	1
<i>Pinus elliotii</i>	Bald-cypress	1	1.1	1
<i>Pinus elliotii</i>	Bald-cypress	3.4	1.7	1
<i>Pinus elliotii</i>	Bald-cypress	1.8	0.7	1
<i>Pinus elliotii</i>	Bald-cypress	1.3	0.9	1
<i>Pinus elliotii</i>	Bald-cypress	2.2	1	1
<i>Pinus elliotii</i>	Bald-cypress	1.3	0.8	1
<i>Quercus laurifolia</i>	Slash pine	1.8	0.8	1
<i>Quercus laurifolia</i>	Slash pine	2.1	0.9	1
<i>Sabal palmetto</i>	Cabbage palm	11.4	9.7	1
<i>Sabal palmetto</i>	Cabbage palm	9.5	8.7	1
<i>Taxodium distichum</i>	Laurel oak	3.8	1.2	1
<i>Ulmus americana</i>	American elm	5.4	1.9	1
DEAD PINES 6				
Average		3.62	2.32	