



**Table 1: Suggested Plants for Littoral Shelf Planting Area (LSPA)  
and Stormwater Ponds in Collier County**



Proposed Elevation Below C.E. (feet)	Planting Zone	Plant type	Common Name	Scientific Name <i>spp. = multiple species within that genus</i>	Comments	Flooding Duration at Proposed Elevation (months)	Size/height requirement	Plant Spacing maximum
0-1'	Transition (D)	Woody-tree	Paurotis Palm	<a href="#">Acoelorrhaphe wrightii</a>	multi-stemmed small palm, prone to Manganese deficiency	0-2	3gallon/ 4' min	20'
0-1'	Transition (D)	Woody-tree	Sugar hackberry or sugarberry	<a href="#">Celtis laevigata</a>	large deciduous tree	0-2	3gallon/ 4' min	20'
0 - 1'	Transition (D)	Herbaceous	Salt grass / spike grass	<a href="#">Distichlis spicata</a>	brackish water only	0 - 2	12" min	on center 36"
0-1'	Transition (D)	Woody-tree	Dahoon holly	<a href="#">Ilex cassine</a>	evergreen	0-2	3gallon/ 4' min	20'
0 - 1'	Transition (D)	Herbaceous	Muhly grass	<a href="#">Muhlenbergia capillaris</a>	fresh or brackish water	0 - 2	12" min	on center 36"
0 - 1'	Transition (D)	Herbaceous	Seashore paspalum	<a href="#">Paspalum vaginatum</a>	fresh or brackish water	0 - 2	12" min	on center 36"
0 - 1'	Transition (D)	Herbaceous	Sand Cord grass	<a href="#">Spartina bakeri</a>	other species available for brackish water	0 - 2	12" min	on center 36"
0 - 1'	Transition (D)	Herbaceous	Fakahatchee grass	<a href="#">Tripsacum dactyloides</a>	grass can grow very tall, larval host	0 - 2	12" min	on center 36"
0-1'	Transition (D)	Herbaceous	Florida Gamagrass	<a href="#">Tripsacum floridanum</a>	doesn't grow as tall as <i>dactyloides</i>	0 - 2	12" min	on center 36"
1-2'	Shallow (C)	Woody-tree	Paurotis Palm	<a href="#">Acoelorrhaphe wrightii</a>	multi-stemmed small palm, prone to Manganese deficiency	1 - 3	3gallon/ 4' min	20'
1 - 2'	Shallow (C)	Herbaceous	Blue maidencane	<a href="#">Amphicarpum muhlenbergianum</a>		1 - 3	12" min	on center 36"
1 - 2'	Shallow (C)	Herbaceous	Canna lily	<a href="#">Canna flaccida</a>	<b>perennial accent plant</b>	1 - 3	12" min	on center 36"
1 - 2'	Shallow (C)	Woody-shrub	Buttonbush	<a href="#">Cephalanthus occidentalis</a>		1 - 3	1gallon	5'
1 - 2'	Shallow (C)	Woody-tree	Buttonwood	<a href="#">Conocarpus erectus</a>	evergreen	1 - 3	3gallon/ 4' min	20'
1 - 2'	Shallow (C)	Herbaceous	Swamp lily	<a href="#">Criminum americanum</a>	<b>accent plant blooming in summer;</b> mix in with other herbaceous vegetation due to it spreading slowly	1 - 3	12" min	on center 36"
1 - 2'	Shallow (C)	Herbaceous	Spikerush	<a href="#">Eleocharis spp.</a>	Species: <i>interstincta, cellulosa, flavescens, atropurpurea, baldwinii, or vivipara</i>	1 - 3	12" min	on center 36"

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1 - 2'	Shallow ( C )	Herbaceous	Horsetail	<a href="#">Equisetum hyemale</a>	naturalizes; food for waterfowl	1 - 3	12" min	36" on center
1 - 2'	Shallow ( C )	Herbaceous	Yellowtop	<a href="#">Flaveria linearis</a>	<b>perennial accent plant</b> , easily grown from seed	1 - 3	12" min	36" on center
1 - 2'	Shallow ( C )	Woody-shrub	St. John's-wort	<a href="#">Hypericum fasciculatum</a>	max growth 5'	1 - 3	1gallon/ 12" min	36" on center
1 - 2'	Shallow ( C )	Woody-tree	Dahoon holly	<a href="#">Ilex cassine</a>	evergreen	1 - 3	3gallon/ 4' min	20'
1-2'	Shallow ( C )	Herbaceous	Prairie Iris	<a href="#">Iris hexaqua</a>	<b>accent plant blooming in spring</b>	1 - 3	12" min	36" on center
1 - 2'	Shallow ( C )	Woody-shrub	Christmas Berry	<a href="#">Lycium carolinianum</a>	brackish water only	1 - 3	1gallon/ 12" min	36" on center
1 - 2'	Shallow ( C )	Herbaceous	Muhly grass	<a href="#">Muhlenbergia capillaris</a>	colorful pink inflorescence, white variety too	1 - 3	12" min	36" on center
1 - 2'	Shallow ( C )	Herbaceous	Maidencane	<a href="#">Panicum hemitomon</a>	looks similar to torpedo grass	1 - 3	12" min	36" on center
1 - 2'	Shallow ( C )	Woody-tree	Swamp bay	<a href="#">Persea palustris</a>		1 - 3	3gallon/ 4' min	20'
1 - 2'	Shallow ( C )	Herbaceous	Pickerelweed	<a href="#">Pontedaria cordata</a>	<b>accent plant blooming late summer</b>	1 - 3	12" min	36" on center
1 - 2'	Shallow ( C )	Woody-tree	Royal palm	<a href="#">Roystonea regia</a>		1 - 3	3gallon/ 4' min	20'
1 - 2'	Shallow ( C )	Herbaceous	Arrowhead	<a href="#">Sagittaria spp</a>	species: <i>latifolia</i> and <i>lancifolia</i>	1 - 3	12" min	36" on center
1 - 2'	Shallow ( C )	Herbaceous	Lizard's tail	<a href="#">Saururus cernuus</a>		1 - 3	12" min	36" on center
1-2'	Shallow ( c )	Herbaceous	Sand Cord grass	<a href="#">Spartina bakeri</a>		1 - 3	12" min	1-2' 36"
1-2'	Shallow ( C )	Herbaceous	Fakahatchee grass	<a href="#">Tripsacum dactyloides</a>	grass can grow very tall, larval host	1 - 3	12" min	36" on center
1-2'	Shallow ( C )	Herbaceous	Florida Gamagrass	<a href="#">Tripsacum floridanum</a>	doesn't grow as tall as <i>dactyloides</i>	1 - 3	12" min	36" on center
2 - 3'	Mid (B)	Woody-tree	Red (Swamp) maple	<a href="#">Acer rubrum</a>		3 - 6	3gallon/ 4' min	20'
2 - 3'	Mid (B)	Herbaceous	Canna lily	<a href="#">Canna flaccida</a>	<b>perennial accent plant</b>	3 - 6	12" min	36" on center
2 - 3'	Mid (B)	Woody-tree	Buttonwood	<a href="#">Conocarpus erectus</a>		3 - 6	3gallon/ 4' min	20'

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2 - 3'	Mid (B)	Herbaceous	Sawgrass	<a href="#">Cladium jamaicense</a>	serrated leaves install in areas with minimal maintenance needed. fresh and brackish	3 - 6	12" min	36" on center
2 - 3'	Mid (B)	Herbaceous	Hibiscus	<a href="#">Hibiscus spp</a>	freshwater and brackish. can be sensitive to pests. hummingbird plant. (Species: <i>coccineus</i> and <i>grandifloras</i> )	3 - 6	12" min	36" on center
2 - 3'	Mid (B)	Herbaceous	Spikerush	<a href="#">Eleocharis spp</a>	Species: <i>interstincta</i> , <i>cellulosa</i> , <i>flavescens</i> , <i>atropurpurea</i> , <i>baldwinii</i> , or <i>vivipara</i>	3 - 6	12" min	36" on center
2 - 3'	Mid (B)	Herbaceous	Soft rush or Needle rush	<a href="#">Juncus spp.</a>		3 - 6	12" min	36" on center
2 - 3'	Mid (B)	Woody- shrub	Fern (Royal or Cinnamon)	<a href="#">Osmunda spp</a>	<b>partial to full shade only</b>	3 - 6	12" min	36" on center
2 - 3'	Mid (B)	Herbaceous	Lizard's tail	<a href="#">Saururus cernuus</a>		3 - 6	12" min	36" on center
2 - 3'	Mid (B)	Herbaceous	Bulrush	<a href="#">Schoenoplectus pungens</a>		3 - 6	12" min	36" on center
2 - 3'	Mid (B)	Woody-tree	Pond Cypress or Bald Cypress	<a href="#">Taxodium spp</a>	species: <i>ascendens</i> and <i>distichum</i>	3 - 6	3gallon/ 4' min	20'
3' - deeper	Deep (A)	Woody- shrub	Giant Leather fern	<a href="#">Acrostichum danaeifolium</a>		6 - 9	1gallon	5'
3' - deeper	Deep (A)	Woody-tree	Pond apple	<a href="#">Annona glabra</a>	evergreen	6 - 9	3gallon/ 4' min	20'
3' - deeper	Deep (A)	Herbaceous	Sawgrass	<a href="#">Cladium jamaicense</a>	serrated leaves install in areas with minimal maintenance needed. fresh and brackish	6 - 9	12" min	36" on center
3' - deeper	Deep (A)	Woody-tree	Pop ash	<a href="#">Fraxinus caroliniana</a>		6 - 9	3gallon/ 4' min	20'
3' - deeper	Deep (A)	Herbaceous	Spatterdock	<a href="#">Nuphar advena</a>	small yellow flower	6 - 9	12"	N/A
3' - deeper	Deep (A)	Herbaceous	Water lily	<a href="#">Nymphaea spp.</a>	species: <i>odorata</i> , <i>elegans</i> , <i>lotus</i> , <i>mexicana</i> . showy aquatic flower.	6 - 9	N/A	N/A
3' - deeper	Deep (A)	Herbaceous	Bulrush	<a href="#">Schoenoplectus spp.</a>	Species: <i>pungens</i> , <i>californicus</i> and <i>tabernaemontani</i> . can grow tall and block view	6 - 9	12" min	36" on center
3' - deeper	Deep (A)	Herbaceous	Alligator flag	<a href="#">Thalia geniculata</a>		6 - 9	12" min	36" on center

<b>Valuable species that do not meet LSPA requirements</b>								
Proposed Elevation Below C.E. (feet)	Planting Zone	Plant type	Common Name	Scientific Name	comments	Flooding Duration at Proposed Elevation (months)	Size/height requirement	Plant Spacing maximum
0 - 1'	Transition (D)	Herbaceous	Coreopsis	<a href="#">Coreopsis leavenworthii</a>	Self seeds	0 - 2	n/a	36" on center
0 - 1'	Transition (D)	Herbaceous	Goldenrod	<a href="#">Solidago fistulosa</a>	Showy yellow flower	0 - 2	n/a	36" on center
1 - 2'	Shallow ( C)	Herbaceous	Water hyssop	<a href="#">Bacopa monnieri</a>	Excellent sprawling groundcover could be an alternative to sod	1 - 3	n/a	36" on center
1-2'	Shallow ( C)	Herbaceous	Lemon bacopa	<a href="#">Bacopa caroliniana</a>	Excellent sprawling groundcover could be an alternative to sod	1 - 3	n/a	36" on center
3ft - deeper	Mid (B) or Deep (A)	Herbaceous	Tape-grass or eelgrass	<a href="#">Vallisneria americana</a>	Growth rate dependant on water clarity; growth can become prolific	6 - 9	n/a	36" on center