	Α	В	С	D	Е	F	G	Н	I	J
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production
1	ZONE									
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,	
	BUFFER	considered small trees								
2										
	B - UPPER				Coastal	Min.	Shade		Width	
3	SLOPE									
	C - LOWER									
4	SLOPE									
	D - WATER'S									
	EDGE									
6	<u> </u>	*O	Alexa comulata	Dagidor	MDC		 	\\/_+ \\/_:-+	001 4"	Coods so selline
	D	,	Alnus serrulata	Deciduous	M,P,C	5'	FS	Wet, Moist	20' -4"	Seeds, seedlings,
		or Tag Alder								containers 3 to 15
_										gal. (Cuttings are
7	^		A 1 1:	5	1450	4.01	E0 D	14 :	051 011	successful).
		Downy Serviceberry,		Deciduous	M,P,C	10'	FS,P	Moist, Dry	25' x 6"	Seeds, seedlings,
		June Berry	arborea							container 1 gal.
_										
8	Δ	Harrier Old Barrier	A 1' '	D	14.5.0	F1	D OL - L	NA . ' . (NA/ .)	451 401	0
		Hercules Club, Devil's	Aralia spinosa	Deciduous	M,P,C	5'	P,Shade	Moist, Wet	15'x10'	Seeds, seedlings,
		Walking Stick, angelica								container 1 gal.
		Tree, Prickly Ash,								
		Toothache Tree								
•										
9	D	Ded Obeleskame	A no min a min at if all a	Danielos	MDO	01	EC D	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	[Fl. 4]	On a day on a dilim as
	В	Red Chokeberry	Aronia arbutifolia	Deciauous	M,P,C	3'	FS,P	Wet, Moist	5'x4'	Seeds, seedlings,
										container 1 gal.
										(Cuttings are
										successful) D.
10										700 N. T r
						_				Charlotte, NC
11 10	2013				Mecklenburg	•				704-33
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	А	В	С	D	Е	F	G	Н	I	J
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production
	ZONE									
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,	
	BUFFER	considered small trees								
2										
	B - UPPER				Coastal	Min.	Shade		Width	
	SLOPE									
	C - LOWER									
4	SLOPE									
_ ا	D - WATER'S									
5 6	EDGE									
_	В	Black Chokeberry	Aronia	Deciduous	M,P,C	5'	FS,P	Wet, Moist	6'x6'	Seeds, seedlings,
11		Didok Griokeberry	melanocarpa	Deciduous	101,1 ,0	3	,,,	vvct, moist	0 40	container 1 gal. (Cuttings are successful)
	А	Dwarf Pawpaw	Asimina parviflora (8 species in SE)	Deciduous	P,C	5'	FS,P	Dry, Moist	6' x4'	Seeds, seedlings, container 1 gal.
12	A	*Silverling, Eastern	Baccharis	Both	P,C	6'	FS	Moist ,Dry	16'x12'	Seeds, seedlings,
13		Baccharis	halimifolia	Dotti	,0			IVIOIST, DIY	10.812	container 1 gal. (Cuttings are successful)

	А	В	С	D	Е	F	G	Н	I	J
1	RIPARIAN ZONE	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production
	A - UPLAND BUFFER	*Some shrubs can be considered small trees		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,	
	B - UPPER SLOPE				Coastal	Min.	Shade		Width	
4	C - LOWER SLOPE									
5	D - WATER'S									
0	A	American Beautyberry, French mulberry, Beautybush	Callicarpa americana	Deciduous	P,C	3'	FS, P	Moist, Dry	8'x6'	Seeds, seedlings, container 1 gal.
14										
	A	Sweet-Shrub	Calycanthus floridus	Deciduous	M,P	6'	FS,P	Dry, Moist	8'x6'	Seeds, seedlings, container 1 gal.
15										
16	А	*Allegheny Chinkapin	Castanea pumila	Deciduous	M,P,C	10'	FS,P	Moist	20'x12'	Seeds, seedlings, container 1 to 3 gal.

	А	В	С	D	Е	F	G	Н		J
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production
	ZONE									
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,	
	BUFFER	considered small trees								
2										
	B - UPPER				Coastal	Min.	Shade		Width	
	SLOPE									
	C - LOWER									
	SLOPE									
	D - WATER'S									
6	EDGE				1					
	A	New Jersey Tea	Ceanothus	Deciduous	M,P,C	5'	FS	Moist, Dry	4'x3'	Seeds, seedlings,
	, ,	-	americanus 4		,. ,0				1.7.0	container 1 to 3 gal.
			species in SE							containor r to o gain
			op 00:00 ::: 02							
17										
	D	*Buttonbush	Cephalanthus	Deciduous	M,P,C	4'	FS,P	Wet, Moist	20'x12'	Seeds, seedlings,
			occidentalis		' '		,			container 1 gal.
18										
	В	*Sweet Pepperbush,	Clethra	Deciduous	M,P	10'	FS	Moist	20'x12'	Seeds, seedlings,
		White Alder, Mountain	acuminata							container 1 to 3 gal.
		Pepperbush, Cinnamon								
		Clethra								
19										D. /

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	А	В	С	D	E	F	G	Н	I	J
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production
	ZONE	-						-		
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,	
	BUFFER	considered small trees								
2										
	B - UPPER				Coastal	Min.	Shade		Width	
	SLOPE									
	C - LOWER									
	SLOPE D - WATER'S									
5	EDGE EDGE									
6										
	В	*Sweet Pepperbush,	Clethra alnifolia	Deciduous	P,C	10'	FS	Moist	20'x12'	Seeds, seedlings,
		White Alder,								container 1 to 3 gal.
		Summersweet								
20		0 1 5		5 4		1.01		14 1 4 15		
	Α	Sweet Fern	'	Both	M,P	10'	FS	Moist, Dry	6'x6'	Seeds, seedlings,
			peregrina							container 1 to 3 gal.
21										
	A	Wax Myrtle		Evergreen	P,C	10'	FS	Moist, Dry	20'x15'	Seeds, seedlings,
			cerifera							container 1 to 3 gal.
22										
	В	Silky Dogwood, Bush	Cornus amomum	Deciduous	M,P,C	10'	FS,P	Wet, Moist	10'x 8'	Seeds, seedlings,
		Dogwood								container 1 to 3 gal.
23										

	Α	В	С	D	Е	F	G	Н	I	J
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production
1	ZONE									
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,	
	BUFFER	considered small trees								
2										
	B - UPPER				Coastal	Min.	Shade		Width	
3	SLOPE									
	C - LOWER									
4	SLOPE									
5	D - WATER'S									
6	EDGE									
Ť	С	Swamp Dogwood	Cornus stricta	Deciduous	P,C	10'	FS, P	Wet, Moist	10'x8'	Seeds, seedlings,
				2 0 0 0 0 0 0 0	, , ,		, , ,		1.0%	container 1 to 3 gal.
24										
- -	А	*American Hazel,	Corylus	Deciduous	M,P,C	10'	FS	Moist	15' x10'	Seeds, seedlings,
		Hazelnut	americana		,,,,,,					container 1 to 3 gal.
25										
	Α	*Beaked Hazelnut	Corylus cornuta	Deciduous	M,P	10'	FS	Dry, Moist	15' x10'	Seeds, seedlings,
										container 1 to 3 gal.
26				ļ						

	А	В	С	D	Е	F	G	Н	1	J
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production
	ZONE									
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,	
	BUFFER	considered small trees								
2										
	B - UPPER				Coastal	Min.	Shade		Width	
	SLOPE									
	C - LOWER									
4	SLOPE									
5	D - WATER'S									
6	<u> </u>									
	А	*Summer Haw, Yellow	Crateagus flava	Deciduous	P,C	20'	FS	Dry, Moist	T,S -1-3'	Seeds, seedlings,
		Hawthorn	(56 species in							containers 3 to 15
			SE)							gal.
27										
	Α	*Littlehip Hawthorn, red	Crateagus	Deciduous	M,P,C	20'	FS	Moist	T,S -1-3'	Seeds, seedlings,
		Haw, Sugar Haw	spathulata (56							containers 3 to 15
			species in SE)							gal.
28										
	Α	*Dwarf Hawthorn, One	Crateagus	Deciduous	P,C	20'	FS	Dry	T,S -1-3'	Seeds, seedlings,
		Flowered Hawthorn	uniflora (56							containers 3 to 15
			species in SE)							gal.
29							<u> </u>			<u> </u>

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	Α	В	С	D	Е	F	G	Н	I	J
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production
1	ZONE									
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,	
	BUFFER	considered small trees								
2										
	B - UPPER				Coastal	Min.	Shade		Width	
	SLOPE									
	C - LOWER									
	SLOPE									
5	D - WATER'S									
6	ED)(SE					1				
	А	*Parsley Hawthorn	Crateagus marshallii (56 species in SE)	Deciduous	M,P,C	20'	FS	Wet, Moist	T,S -1-3'	Seeds, seedlings, containers 3 to 15 gal.
30										
	С	*White Titi, Black titi, Leatherwood, Swamp Cyrilla, He-huckberry	Cyrilla racemiflora	Both	С	20'	FS	Wet, Moist	T, S-1-3	Seeds, seedlings, containers 3 to 15 gal.
31		D 1 11	D: "	<u> </u>	10.4			<u> </u>		
32	А	Bush Honeysuckle	Diervilla sessilifolia	Deciduous	M	5'	FS	Dry	5'x5'	Seeds, seedlings, container 1 to 3 gal.

	Α	В	С	D	Е	F	G	Н	I	J
	RIPARIAN ZONE	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production
	A - UPLAND BUFFER	*Some shrubs can be considered small trees		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,	
	B - UPPER SLOPE				Coastal	Min.	Shade		Width	
4	C - LOWER SLOPE									
5	D - WATER'S									
6										
	В		Euonymus americanus	Both	M,P,C	5'	FS,P	Wet, Moist	6'x4'	Seeds, seedlings, container 1 to 3 gal.
33										
_	A	*Carolina Buckthorn, Indian Cherry, Pole-Cat- Tree	Frangula caroliniana	Deciduous	P,C	5'	FS,P	Dry, Moist	8'x4'	Seeds, seedlings, container 1 to 3 gal.
34										
35	A	*Wintergreen	Gaultheria procumbens	Evergreen	M,P,C	5'	P,Shade	Dry, Moist	5x5	Seeds, seedlings, container 1 to 3 gal.

	А	В	С	D	Е	F	G	Н	I	J
1	RIPARIAN ZONE	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production
	A - UPLAND BUFFER	*Some shrubs can be considered small trees		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,	
	B - UPPER SLOPE				Coastal	Min.	Shade		Width	
4	C - LOWER SLOPE									
5	D - WATER'S									
	А	Black Huckleberry	Gaylussacia baccata (6 species in SE)	Deciduous	M,P,C	5'	FS	Moist, Dry	5'x5'	Seeds, seedlings, container 1 to 3 gal.
36	A	Dwarf Huckleberry, Gopherberry	Gaylussacia dumosa(6 species in SE)	Both	M,P,C	2'	FS	Moist, Dry	2'x2'	Seeds, seedlings, container 1 to 3 gal.
37	A	Blue Huckleberry, Dandleberry	Gaylussacia frondosa (6 species in SE)	Deciduous	P,C	5'	FS	Moist, Dry	5'x5'	Seeds, seedlings, container 1 to 3 gal.
38										

	А	В	С	D	Е	F	G	Н	I	J
1	RIPARIAN ZONE	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production
	A - UPLAND BUFFER	*Some shrubs can be considered small trees		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,	
3	B - UPPER SLOPE				Coastal	Min.	Shade		Width	
4	C - LOWER SLOPE									
5	D - WATER'S									
	А	Huckleberry, Buckberry	Gaylussacia ursina (6 species in SE)	Deciduous	M,P,C	5'	FS	Moist, Dry	5'x5'	Seeds, seedlings, container 1 to 3 gal.
39										
	A	*Witch Hazel	Hamamelis virginiana	Deciduous	M,P,C	10'	FS,P	Moist	20'x15'	Seeds, seedlings, container 1 to 3 gal.
40										
	D	Swamp Mallow, Wild Cotton	Hibiscus moscheutos	Deciduous	P,C	8'	FS	Wet, Moist	6'x4'	Seeds, seedlings, container 1 to 5 gal.
41										

	А	В	С	D	Е	F	G	Н	I	J
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production
1	ZONE									
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,	
	BUFFER	considered small trees								
2										
	B - UPPER				Coastal	Min.	Shade		Width	
3	SLOPE									
١.	C - LOWER									
4	SLOPE									
5	D - WATER'S									
6	<u>-</u>									
	В	Wild Hydrangea,	Hydrangea	Deciduous	M,P	5'	FS,P,Shade	Moist	6'x5'	Seeds, seedlings,
		Climbing Hydrangea,	arborescens							container 1 to 3 gal.
		Sevenbark, Mountain								_
		Hydrangea								
42										
	В	Oak-leaf Hydrangea	Hydrangea	Deciduous	M,P	5'	FS,P,Shade	Moist	6'x5'	Seeds, seedlings,
			quercifolia							container 1 to 3 gal.
1,,										
43	^	Sweet Callborn, Car	llov poriogog (42	Evergroop	D.C.	5'	I C D	Wet Maiet Dri	10'v1E'	Coode coodlings
	Α	Sweet Gallberry, Gay-	llex coriacea (13	r⊏vergreen	P,C	၁	FS,P	Wet, Moist, Dry	18'x15'	Seeds, seedlings,
		ball Bush, Shining	species in SE)							container 1 to 3 gal.
		Inkberry								
44										
_++				L			L		<u> </u>	D.]/

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	А	В	С	D	Е	F	G	Н	I	J
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production
	ZONE									
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,	
	BUFFER	considered small trees								
2										
	B - UPPER				Coastal	Min.	Shade		Width	
	SLOPE									
	C - LOWER									
	SLOPE									
5	D - WATER'S									
6	ED)(SE									
	A	*Possumhaw	llex decidua (13	Deciduous	P,C	8'	FS,P,Shade	Dry	25'x15'	Seeds, seedlings,
			species in SE)		'-		-, ,	1		container 1 to 5 gal.
45										
	Α	Inkberry, Bitter	llex glabra (13	Evergreen	С	10'	P, Shade	Dry, Moist, Wet	10'x8'	Seeds, seedlings,
		Gallberry, Evergreen	species in SE)							container 1 to 5 gal.
		Winterberry	,							
		-								
46										
	Α	*American Holly	llex opaca (13	Evergreen	P,C	20'	FS,P,Shade	Dry	25'x15'	Seeds, seedlings,
			species in SE)							container 1 to 5 gal.
47										D./

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	А	В	С	D	Е	F	G	Н	I	J
1	RIPARIAN ZONE	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production
	A - UPLAND BUFFER	*Some shrubs can be considered small trees		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,	
	B - UPPER SLOPE				Coastal	Min.	Shade		Width	
	C - LOWER SLOPE									
5	D - WATER'S									
	A	Winterberry	llex verticillata (13 species in SE)	Deciduous	M,P,C	8'	FS,P	Wet, Moist	10'x6'	Seeds, seedlings, container 1 to 5 gal.
48	A	Yaupon Holly	llex vomitoria (13 species in SE)	Evergreen	P,C	8'	FS	Moist, Dry	15'x10'	Seedlings, container 3 to 15 gal.
_		Virginia Willow, Sweetspire, Tassel- white, Washington Plume	Itea virginica	Deciduous	P,C	8'	FS,P, Shade	Wet, Moist	8'x6'	Seeds, seedlings, container 1 to 5 gal.

	A	В	С	D	Е	F	G	Н	I	J
		Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production
	ZONE	***		_				0 ""		
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,	
	BUFFER	considered small trees								
2	D. LIDDED				0	D.A.	01 - 1-		VA (* 141	
	B - UPPER				Coastal	Min.	Shade		Width	
	SLOPE C - LOWER									
	SLOPE									
┝	D - WATER'S									
5	EDGE									
6										
		Mountain Laurel, Mountain Ivy, Calico Bush, Spoonwort	Kalmia latifolia	Evergreen	M,P	5'	FS,P, Shade	Wet, Moist	6'x5'	Seeds, seedlings, container 1 to 5 gal.
51										
		Sheep Laurel, Lamb Kill, Wicky	Kalmia augustifolia var. caroliniana	Evergreen	P,C	5'	P,Shade	Wet, Moist	6'x5'	Seeds, seedlings, container 1 to 5 gal.
52										
50	С	Coastal Dog-Hobble	Leucothoe axillaris	Evergreen	С	6'	P,Shade	Wet, Moist	6'x4'	Seedlings, container 3 to 15
53	0	Dog Habble	l acceptions		MD	CI	D Chada	Mat Maint	Chr.41	gal.
54	С	Dog-Hobble	Leucothoe editorum	Evergreen	M,P	6'	P,Shade	Wet, Moist	6'x4'	Seedlings, container 3 to 15 gal.

	А	В	С	D	Е	F	G	Н	I	J
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production
1	ZONE									
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,	
	BUFFER	considered small trees								
2										
	B - UPPER				Coastal	Min.	Shade		Width	
3	SLOPE									
١.	C - LOWER									
4	SLOPE									
5	D - WATER'S									
6	F1113F									
	С	Fetterbush, Sweetbells	Leucothoe	Evergreen	P,C	6'	P,Shade	Wet, Moist	6'x4'	Seedlings,
			racemosa	_						container 3 to 15
55										gal.
	В	Spicebush	Lindera benzoin	Deciduous	M,P,C	5'	P,Shade	Wet, Moist	6'x5'	Seeds, seedlings,
										container 1 to 5 gal.
56										
		Male-Berry, Male-	, ,	Deciduous	P,C	10'	FS, P	Wet, Moist	10'x8'	Seeds, seedlings,
		Blueberry	(5 species in SE)							container 1 to 5 gal.
57				<u> </u>	D 0			104 4 54 4		
	С	Fetterbush	Lyonia lucida (5	Deciduous	P,C	5'	FS,P	Wet, Moist	6'x5'	Seeds, seedlings,
			species in SE)							container 1 to 5 gal.
58		*O = th= = \\\ / = \\\ A = -th	Marria and the same	-	D 0	4.01	EC D	D. M. M. L.	051-001	Operation and A to O
	Α	*Southern Wax Myrtle,		Evergreen	P,C	10'	FS,P	Dry, Moist	25'x20'	Container, 1 to 3
		Bayberry, Candleberry	species in SE							gal.
59										D. A
29										700 N

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	А	В	С	D	Е	F	G	Н	I	J
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production
	ZONE									
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,	
	BUFFER	considered small trees								
2										
	B - UPPER				Coastal	Min.	Shade		Width	
	SLOPE									
	C - LOWER									
4	SLOPE									
5	D - WATER'S									
6	EDGE									
	A	Ninebark	Physocarpus	Deciduous	M,P,C	10'	FS,P	Moist, Wet	10'x8'	Seeds, seedlings,
			opulifolius		, , -		-,			container 1 to 5 gal.
60										
	A	Pasture Rose, Carolina	Rosa carolina	Deciduous	M,P,C	5'	FS	Moist, Dry	3'x3'	Seeds, seedlings,
		Rose								container 1 to 5 gal.
61										
	Α	Dwarf Azalea	Rhododendron	Deciduous	P,C	6'	FS	Moist, Dry	6'x3'	Seeds, seedlings,
			atlanticum							container 1 to 5 gal.
62										
	В	Flame Azalea	Rhododendron	Deciduous	M,P	8'	FS,P	Moist, Dry	12'x8'	Seeds, seedlings,
			calendulaceum							container 1 to 5 gal.
63										
	Α	Catawba Rhododendron	Rhododendron	Deciduous	M,P	10'	FS	Moist, Dry	15'x10'	Seeds, seedlings,
			catawbiense							container 1 to 5 gal.
64										
	В	*Rosebay	Rhododendron	Deciduous	M,P	10'	FS	Moist	15'x10'	Seeds, seedlings,
		Rhododendron, Great	maximum							container 1 to 5 gal.
65		Laurel								700 N. T

. Ann Gill

	A	В	С	D	Е	F	G	Н		J
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production
	ZONE	*0		E	Disabasant	0	Dantial	O a sa aliti a sa a	I I a l'ada t	
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,	
	BUFFER	considered small trees								
2	B - UPPER				Coastal	Min.	Shade		Width	
	SLOPE				Coastai	IVIII I.	Orlade		VVIGUI	
	C - LOWER									
4	SLOPE									
_	D - WATER'S									
5 6	FDGE									
۳	A	Pinxterbloom Azalea	Rhododendron	Deciduous	M,P	6'	P, Shade	Moist, Dry	6'x3'	Seeds, seedlings,
		i iiiiii ii	nudiflorum var.				, 5.1.445			container 1 to 5 gal.
			canescens							J
66										
	С	Swamp Azalea	Rhododendron	Deciduous	M,P,C	6'	P, Shade	Wet, Moist	6'x3'	Seeds, seedlings,
			viscosum (R.							container 1 to 5 gal.
67			serrulata)							
	Α	Fragrant Sumac	Rhus aromatica	Deciduous	P,C	5'	FS	Dry	1' -	Seeds, seedlings,
										containers
68										
00	A	*Shining Sumac,	Rhus copallina	Deciduous	M,P,C	5'	FS	Moist, Dry	25' -6"	Seeds, seedlings,
	,	Winged Sumac, Dwarf	Tarao oopamia		''', ''					containers
		Sumac								
69										

	А	В	С	D	Е	F	G	Н	I	J
1	RIPARIAN ZONE	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production
	A - UPLAND BUFFER	*Some shrubs can be considered small trees		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,	
	B - UPPER				Coastal	Min.	Shade		Width	
	SLOPE C - LOWER SLOPE									
5	D - WATER'S									
6	<u>-</u> .									
	A	*Smooth Sumac, Scarlet Sumac, Common Sumac	Rhus glabra	Deciduous	M,P,C	5'	FS	Moist, Dry	20' -4"	Seeds, seedlings, containers
70										
	A	*Staghorn Sumac, Velvet Sumac	Rhus hirta (Rhus typhina)	Deciduous	M,P	5'	FS	Moist, Dry	30' -8"	Seeds, seedlings, containers
71										
	А	Pasture Rose, Wild Rose	Rosa carolina	Deciduous	M,P,C	5'	FS,P	Dry, Moist	5'x5'	Seeds, seedlings, container 1 to 5 gal.
72										
	С	Swamp Rose	Rosa palustris	Deciduous	M,P,C	10'	FS,P, Shade	Wet, Moist	8'x6'	Seeds, seedlings, container 1 to 5 gal.
73	A	Alleghany Blackberry	Eubatus	Deciduous	M,P	5'	FS	Moist, Dry	10'x10'	Seeds, seedlings, container 1 to 5 gal.
74			allegheniensis							D.

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	А	В	С	D	Е	F	G	Н	I	J
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production
	ZONE			_						
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,	
	BUFFER	considered small trees								
2	D. 110050								100	
	B - UPPER				Coastal	Min.	Shade		Width	
	SLOPE C - LOWER									
	SLOPE									
-	D - WATER'S									
5	EDGE									
6										
	Α	Purple Flowering	Rubus odoratus	Deciduous	М	5'	FS	Moist, Dry	5'x5'	Seeds, seedlings,
		Raspberry								container 1 to 5 gal.
75		D :: W/!!	0 1: 1 1:	D	14.5	01		B 4	01.51	0 1 11
	В	Prairie Willow	Salix humilis	Deciduous	M,P	6'	FS	Moist	6'x5'	Seeds, seedlings,
										container 1 to 5 gal.
76	В	Silky Willow	Salix sericea	Deciduous	M,P	15'	FS	Moist	15'x10'	Soods soodlings
	Ь	Sliky Willow	Salix Sericea	Deciduous	IVI,F	15	F3	IVIOISI	15 X 10	Seeds, seedlings,
77										container 1 to 5 gal.
	D	Common Elderberry,	Sambucus	Deciduous	M,P,C	10'	FS	Wet, Moist	12'x10' -6"	Seeds, seedlings,
	Б	American Elder,	canadensis	Deciduous	101,1 ,0			Wet, Moist	12 × 10 -0	container 1 gal.
		Elderberry, Common	Cariadoriolo							(Cuttings are
		Elder								successful)
78										
	D	Meadowsweet & Narrow	Spiraea	Deciduous	M,P,C	10'	FS,P	Wet, Moist	8'x6'	Seeds, seedlings,
			tomentosa &		, , -		'	,		container 1 to 5 gal.
79			Spiraea alba							

	А	В	С	D	Е	F	G	Н	I	J
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production
1	ZONE			_						
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,	
	BUFFER	considered small trees								
2	D. 110050								10 C 10	
	B - UPPER				Coastal	Min.	Shade		Width	
3	SLOPE									
,	C - LOWER									
4	SLOPE D - WATER'S									
5	EDGE									
6										
	С	Virginia Stewartia, Silky	Stewartia	Deciduous	P,C	10'	FS,P,Shade	Moist	8'x6'	Seeds, seedlings,
		Camelia	malacodendron							container 1 to 5 gal.
80										
	С	Mountain Stewartia	Stewartia ovata	Deciduous	M,P	10'	FS,P,Shade	Moist	8'x6'	Seeds, seedlings,
										container 1 to 5 gal.
81										
	Α	American Snowbell	Styrax	Deciduous	P,C	8'	FS,P	Moist, Dry	6'x5'	Seeds, seedlings,
			americana							container 1 to 5 gal.
82										
	A	Bigleaf Snowbell	Styrax grandifolia	Deciduous	P,C	8'	FS,P	Moist, Dry	6'x5'	Seeds, seedlings,
										container 1 to 5 gal.
83	_									<u> </u>
	A	Sparkleberry		Evergreen	P,C	8'	FS,P	Moist, Dry	25'x15'	Seeds, seedlings,
			arboreum							container 1 to 5 gal.
84	A	Black Highbush	Vaccinium	Evergreen	P,C	8'	FS,P	Moist, Dry	8'x6'	Seeds, seedlings,
		Blueberry	atrococcum	Lvergreen	,0		J. 3,F	INIOISI, DIY	0 10	container 1 to 5 gal.
0.5		Diagnetily	auococum							D.
85										

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	А	В	С	D	Е	F	G	Н	I	J
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production
1	ZONE									
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,	
	BUFFER	considered small trees								
2										
	B - UPPER				Coastal	Min.	Shade		Width	
3	SLOPE									
	C - LOWER									
4	SLOPE									
5	D - WATER'S									
6										
86	В	Highbush Blueberry	Vaccinium corymbosum (V.virgata, formosa)	Evergreen	M,P,C	8'	FS	Moist, Dry	10'x6'	Seeds, seedlings, container 1 to 5 gal.
87	A	Creeping Blueberry	Vaccinium crassifolium	Evergreen	P,C	5'	FS	Moist, Dry	2'x1'	Seeds, seedlings, container 1 to 5 gal.
	С	Elliott Blueberry, Mayberry	Vaccinium elliottii	Evergreen	M,P,C	8'	P,Shady	Wet, Moist	10'x8'	Seeds, seedlings, container 1 to 5 gal.
88	Δ	Llualdahanna Caudha	\/o o o in it tree	Г. /o.им:::-	MDC	8'	FC	Majot Dir.	20174.51	Coodo ocadinara
	A	Huckleberry, Southern Gooseberry	Vaccinium stamineum	Evergreen	M,P,C	٥	FS	Moist, Dry	20'x15'	Seeds, seedlings, container 1 to 5 gal.
89										

	А	В	С	D	Е	F	G	Н	I	J
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production
	ZONE									
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,	
	BUFFER	considered small trees								
2										
	B - UPPER				Coastal	Min.	Shade		Width	
	SLOPE									
	C - LOWER									
	SLOPE									
_	D - WATER'S									
6	<u> </u>			<u> </u>						
	A	Lowbush Blueberry	Vaccinium	Evergreen	P,C	3'	FS	Dry	1'x1'	Seeds, seedlings,
			tenellum							container 1 to 5 gal.
90										
	Α	Lowbush Blueberry		Evergreen	P,C	3'	FS	Dry	1'x1'	Seeds, seedlings,
			vacillans							container 1 to 5 gal.
91) <i>(</i> ()							
	В	Maple Leaf Viburnum		Deciduous	M,P	6'	FS	Moist	8'x6'	Seeds, seedlings,
			acerifolium							container 1 gal.
92										(Cuttings are
	В	Southern Arrowwood	Viburnum	Deciduous	M,P,C	6'	FS	Moist, Dry	10'x6'	successful) Seeds, seedlings,
		Viburnum	dentatum	Deciduous	101,1 ,0		3	INIOISI, DI y	10 10	container 1 gal.
		Viballialli	dontatum							(Cuttings are
93										successful)
	В	Possumhaw Viburnum	Viburnum nudum	Deciduous	M,P,C	6'	FS	Wet, Moist	16x10'	Seeds, seedlings,
										container 1 gal.
										(Cuttings are D.
94										successful) 700 N. T

uttings are D. Ann Gill ccessful) 700 N. Tryon St. Charlotte, NC 28202 704-336-5359 gillda@co.mecklenburg.nc.us

	А	В	С	D	Е	F	G	Н	I	J
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production
	ZONE									
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,	
	BUFFER	considered small trees								
2										
	B - UPPER				Coastal	Min.	Shade		Width	
3	SLOPE									
١.	C - LOWER									
4	SLOPE NATERIC									
5	D - WATER'S									
6										
	В	Nannyberry	Viburnum	Deciduous	M,P,C	6'	FS	Wet, Moist	20'x10'	Seeds, seedlings,
			lentago							container 1 gal.
										(Cuttings are
95										successful)
	В	Blackhaw Viburnum	Viburnum	Deciduous	M,P,C	6'	FS	Moist	25'x16'	Seeds, seedlings,
			prunifolium							container 1 gal.
										(Cuttings are
96	D	Down Arrows and	Viburnum	Deciduous	P	6'	FS	Moist	20'x16'	successful)
	В	Downy Arrowwood		Deciduous		O	_[5]	IVIOISI	20 X 16	Seeds, seedlings, container 1 gal.
			rafinesquianum							(Cuttings are
97										successful)
	В	Rusty Blackhaw	Viburnum	Deciduous	P,C	6'	FS	Moist	20'x16'	Seeds, seedlings,
			rufidulum		'-					container 1 gal.
										(Cuttings are
98										successful)
	D	Yellowroot	Xanthorhiza	Deciduous	M,P,C	4'	P,Shade	Wet, Moist	3'x3'	Seeds, seedlings,
			simplicissima							container 1 gal.
										(Cuttings are D.
99										Isuccessful) 700 N.

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	Α	В	С	D	Е	F	G	Н	I	J		
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production		
1	ZONE											
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,			
	BUFFER	considered small trees										
2												
	B - UPPER				Coastal	Min.	Shade		Width			
	SLOPE											
	C - LOWER											
	SLOPE											
5	D - WATER'S											
6	EDGE											
	References:				<u> </u>							
		M., and Barbara H. Honk	ala, tech, coords.	1990, Silvics	of North An	nerica: 1. (Conifers: 2. Ha	ardwoods, Agricul	lture Handbo	ok 654. B.S. Departn		
	· ·	griculture Handbook 271								он оо н		
_	•	Resource Management S				•	ropriate Trees	s Shrubs Herbs	and Seeds t	o Plant in our Parks I		
		ks and Recreation, P.O. I		_			rophato 1100	o, o doo,o.o,		io i iant in our ramor.		
	Radford, Albert E., Ahles, Harry E. and C. Richie Bell. 1968. Manual of the Vascular Flora of the Carolinas. The University of North Carolina Press, Chapel Hill											
104												
105	105 Chris Moreman, NC State University. Barnes, Thomas. 1999. Gardening for the birds. The University Press of Kentucky. Lexington,											
106												

	А	В	С	D	E	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
	C - LOWER										
4	SLOPE										
5	D - WATER'S										
6											
	D	*Common Alder, Hazel	Alnus serrulata	Deciduous	M,P,C	5'	FS	Wet, Moist	20' -4"	Seeds, seedlings,	Forms thickets,
		or Tag Alder								containers 3 to 15	bottomlands, flo
										gal. (Cuttings are	
7										successful).	
		,		Deciduous	M,P,C	10'	FS,P	Moist, Dry	25' x 6"	Seeds, seedlings,	Ornamental, fa
		June Berry	arborea							container 1 gal.	bordering strea
											Can be found in
8											flowers, fruit in birds alike.
٣	Α	Hercules Club, Devil's	Aralia spinosa	Deciduous	M,P,C	5'	P,Shade	Moist, Wet	15'x10'	Seeds, seedlings,	Perennial; Orna
		Walking Stick, angelica			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		, 5116.65			1	burgendy, prefe
		Tree, Prickly Ash,								January 1 gant	thickets, strean
		Toothache Tree									Flowers-cream
											black. Bird, ma
9											·
	В	Red Chokeberry	Aronia arbutifolia	Deciduous	M,P,C	3'	FS,P	Wet, Moist	5'x4'	Seeds, seedlings,	Ornamental, fa
										container 1 gal.	bordering strea
										(Cuttings are	Tolerant of mai
										I .	. ฟิลพ ะ สุธ, Sept-F
10											pometeaten by
										Charlotte, N	'C 28202

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	А	В	С	D	Е	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
١,	C - LOWER										
4	SLOPE D - WATER'S										
5	EDGE										
6											
11	В	Black Chokeberry	Aronia melanocarpa	Deciduous	M,P,C	5'	FS,P	Wet, Moist	6'x6'	Seeds, seedlings, container 1 gal. (Cuttings are successful)	Ornamental, fa bordering strea Tolerant of mai flowers, Sept-F pome eaten by
12	А	Dwarf Pawpaw	Asimina parviflora (8 species in SE)	Deciduous	P,C	5'	FS,P	Dry, Moist	6' x4'	Seeds, seedlings, container 1 gal.	Occures on mc habitat, from cc AprMay-Flowe SeptFruits/see butterflys.
13	A	*Silverling, Eastern Baccharis	Baccharis halimifolia	Both	P,C	6'	FS	Moist ,Dry	16'x12'	Seeds, seedlings, container 1 gal. (Cuttings are successful)	Fast growing, s and female pla bordering strea shore hammoc white/silvery. O

	Α	В	С	D	Е	F	G	Н	I _	J	
		Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2	D. 110055				0 11	2.4			100		
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
١,	C - LOWER										
4	SLOPE D - WATER'S										
5	EDGE										
6											
	Α	American Beautyberry,	Callicarpa	Deciduous	P,C	3'	FS, P	Moist, Dry	8'x6'	Seeds, seedlings,	Ornamental, fa
		French mulberry,	americana							container 1 gal.	bordering strea
		Beautybush									margins, right-c
											Flowers-pinkish
											purple or white
14											mammals.
	А			Deciduous	M,P	6'	FS,P	Dry, Moist	8'x6'	Seeds, seedlings,	Ornamental ard
			floridus							container 1 gal.	forms colonies,
											sites, bottomlar
											bordering strea
											June-Flowers-r
15											Apr.Seeds. Eat
Ť	Α	*Allegheny Chinkapin	Castanea pumila	Deciduous	M,P,C	10'	FS,P	Moist	20'x12'	Seeds, seedlings,	Ornamental, fa
										container 1 to 3 gal.	sitees bordering
16											

	Α	В	С	D	Е	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
	C - LOWER										
4	SLOPE										
5	D - WATER'S										
6	HI)(sh										
	Α	New Jersey Tea	Ceanothus	Deciduous	M,P,C	5'	FS	Moist, Dry	4'x3'	Seeds, seedlings,	Ornamental, no
		·	americanus 4							container 1 to 3 gal.	growing, prefer
			species in SE								margins, well d
											roadsides & sle
											white. June-Se
17											mammals, & bu
	D		Cephalanthus	Deciduous	M,P,C	4'	FS,P	Wet, Moist	20'x12'	Seeds, seedlings,	Ornamental, fa
			occidentalis							container 1 gal.	bordering strea
											of white flowers
											fruit/seeds-butt
											ducks, songbire
18		*O ! D	Olada .	D	NA D	4.01	 	NA . ' . 4	001.401	0	Leaves poisono
	В		Clethra	Deciduous	M,P	10'	FS	Moist	20'x12'	Seeds, seedlings,	Ornamental, fo
		·	acuminata							container 1 to 3 gal.	moist soils bord
		Pepperbush, Cinnamon									hardwood fores
		Clethra									Increased by d
											white/fragrant.
10											spring. Eaten b
19]					<u> </u>	<u> </u>	1	1		Ansecits. Tryon St.

	A	В	С	D	Е	F	G	Н	I	J	
1	RIPARIAN ZONE	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
2	A - UPLAND BUFFER	*Some shrubs can be considered small trees		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have berries
3	B - UPPER SLOPE				Coastal	Min.	Shade		Width		All shrubs prov wildlife.
4	C - LOWER SLOPE										
5	D - WATER'S										
20	В	*Sweet Pepperbush, White Alder, Summersweet	Clethra alnifolia	Deciduous	P,C	10'	FS	Moist	20'x12'	Seeds, seedlings, container 1 to 3 gal.	Ornamental, fo moist soils bord savannahs, flat bogs. Intoleran drainage and fi SeptFebFrui mammals, bee
21	А		Comptonia peregrina	Both	M,P	10'	FS	Moist, Dry	6'x6'	Seeds, seedlings, container 1 to 3 gal.	Fast growing, p woods, abandc
22	А		Comptonia cerifera	Evergreen	P,C	10'	FS	Moist, Dry	20'x15'	Seeds, seedlings, container 1 to 3 gal.	Fast growing, p woods, abandc High value wint
	В	Silky Dogwood, Bush Dogwood	Cornus amomum	Deciduous	M,P,C	10'	FS,P	Wet, Moist	10'x 8'	Seeds, seedlings, container 1 to 3 gal.	Fast growing, p streams, swam

	А	В	С	D	E	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE	***************************************			D'a la cat	0	Destin	O Pri	L La Callada		Allerter
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE				Coastai	IVIII I.	Orlade		VVIGUI		wildlife.
	C - LOWER										wiidiiioi
4	SLOPE										
5	D - WATER'S										
6	ED)(SE										
	С	Swamp Dogwood	Cornus stricta	Deciduous	P,C	10'	FS, P	Wet, Moist	10'x8'	Seeds, seedlings,	Fast growing, p
										container 1 to 3 gal.	streams, swam
24											
	Α		Corylus	Deciduous	M,P,C	10'	FS	Moist	15' x10'		Ornamental, fo
		Hazelnut	americana							_	slightly acidic s dry sites borde
											forests, pasture
											male catkins- y
											Eaten by huma
25											•
	Α	*Beaked Hazelnut	Corylus cornuta	Deciduous	M,P	10'	FS	Dry, Moist	15' x10'	_	Ornamental, fo
											slightly acidic s
											dry sites borde
											forests, pasture
											male catkins- y
26											Eaten by huma
	ļ		ļ.			ļ.	!	ļ	ļ.	ļ	

	Α	В	С	D	E	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE			_							
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2	B - UPPER				Coastal	Min.	Shade		Width		All obruba prov
3	SLOPE				Coasiai	IVIII I.	Shaue		vvidtri		All shrubs prov wildlife.
٣	C - LOWER										wildlife.
4	SLOPE										
	D - WATER'S										
5 6	EDGE										
٣	Α	*Summer Haw, Yellow	Crateagus flava	Deciduous	P,C	20'	FS	Dry, Moist	T,S -1-3'	Seeds, seedlings,	Ornamental, fo
			(56 species in	200.0000	. , •			2.,,	1,,0	containers 3 to 15	thorns, strong r
			SE)							gal.	sites, streamba
			,								right-of-ways, ε
											OctRed Pom€
27			_								songbirds.
	Α		_	Deciduous	M,P,C	20'	FS	Moist	T,S -1-3'	Seeds, seedlings,	Ornamental-crc
			spathulata (56							containers 3 to 15	colonies/thicke
			species in SE)							gal.	system, prefers bottonlands, m
											OctDecRed
28											birds, & songbi
<u> </u>	Α	*Dwarf Hawthorn, One	Crateagus	Deciduous	P,C	20'	FS	Dry	T,S -1-3'	Seeds, seedlings,	Ornamental, fo
		′	uniflora (56						,	containers 3 to 15	thorns, strong r
			species in SE)							gal.	forests & margi
											May-Flowers-w
											mammals, garr
29											Ann Gill

	А	В	С	D	Е	F	G	Н	I	J	
1	RIPARIAN ZONE	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
2	A - UPLAND BUFFER	*Some shrubs can be considered small trees		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have berries
3	B - UPPER SLOPE				Coastal	Min.	Shade		Width		All shrubs prov wildlife.
4	C - LOWER SLOPE										
5	D - WATER'S										
6											
30	A	-	marshallii (56 species in SE)		M,P,C	20'	FS	Wet, Moist	T,S -1-3'	Seeds, seedlings, containers 3 to 15 gal.	Ornamental, fo thorns, strong r sites, streamba AprMay-Flow Eaten by mamı
31			Cyrilla racemiflora	Both	С	20'	FS	Wet, Moist	T, S-1-3	Seeds, seedlings, containers 3 to 15 gal.	Fast growing, for sites, stream multiple flatwoods deprostands. Deep rought fragrant, Septbutterfly nectar
32		•	Diervilla sessilifolia	Deciduous	М	5'	FS	Dry	5'x5'	Seeds, seedlings, container 1 to 3 gal.	Fast growing, p

	A	В	С	D	Е	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
	C - LOWER										
4	SLOPE										
5	D - WATER'S										
6	ED (SE										
	В	Hearts A'Bustin,	Euonymus	Both	M,P,C	5'	FS,P	Wet, Moist	6'x4'	Seeds, seedlings,	Ornamental, fa
		Strawberry Bush,	americanus							container 1 to 3 gal.	including bottor
		Burning Bush, Bursting-									& mixed forests
		heart									green. SeptDo
											deer, mammals
											shade but mos
33					_		_			_	_
	A		_	Deciduous	P,C	5'	FS,P	Dry, Moist	8'x4'	Seeds, seedlings,	Occures on mc
		Indian Cherry, Pole-Cat-	caroliniana							container 1 to 3 gal.	habitat, new fo
		Tree									open hardwood
											Flowers-greeni
											Berry/seeds. E
34	Λ	*\//intorgroop	Coulthoria	Evergreen	MDC	5'	D Shada	Dry Moiet	EVE	Soods coodlings	Foot growing n
	Α	0		Evergreen	M,P,C	၂၁	P,Shade	Dry, Moist	5x5	Seeds, seedlings,	Fast growing, p
35			procumbens							container 1 to 3 gal.	

	Α	В	С	D	Е	F	G	Н	I	J	
1	RIPARIAN ZONE	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
2	A - UPLAND	*Some shrubs can be considered small trees		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have berries
	B - UPPER SLOPE				Coastal	Min.	Shade		Width		All shrubs prov wildlife.
4	C - LOWER SLOPE										
5	D - WATER'S										
36	A	·	Gaylussacia baccata (6 species in SE)	Deciduous	M,P,C	5'	FS	Moist, Dry	5'x5'	Seeds, seedlings, container 1 to 3 gal.	Excellent Grouto moist soils in woodlands. Ma Berry eaten by butterflys.
37		Gopherberry	Gaylussacia dumosa(6 species in SE)	Both	M,P,C	2'	FS	Moist, Dry	2'x2'	Seeds, seedlings, container 1 to 3 gal.	Excellent Grousandy soils of pelevation pine for Flowers-white.
38		Dandleberry	Gaylussacia frondosa (6 species in SE)	Deciduous	P,C	5'	FS	Moist, Dry	5'x5'	Seeds, seedlings, container 1 to 3 gal.	Excellent Grouland well-draine bays, shrub bollent Flowers-white. mammals, rept

	A	В	С	D	Е	F	G	Н	I	J	
1	RIPARIAN ZONE	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
2	A - UPLAND BUFFER	*Some shrubs can be considered small trees		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have berries
3	B - UPPER SLOPE				Coastal	Min.	Shade		Width		All shrubs prov wildlife.
4	C - LOWER SLOPE										
5	D - WATER'S										
39	A		Gaylussacia ursina (6 species in SE)	Deciduous	M,P,C	5'	FS	Moist, Dry	5'x5'	Seeds, seedlings, container 1 to 3 gal.	Excellent Grouto moist soils in woodlands. Ma Berry eaten by butterflys.
40	A		virginiana		M,P,C		FS,P	Moist	20'x15'	Seeds, seedlings, container 1 to 3 gal.	Ornamental, ca sites, open to s plant in mixed f margins & bord yellow. OctNo & pollinated by
41		. ,	Hibiscus moscheutos	Deciduous	P,C	8'	FS	Wet, Moist	6'x4'	Seeds, seedlings, container 1 to 5 gal.	Fast growing, p streams, marsh June-OctFlow Aug-Nov. Bird

	Α	В	С	D	E	F	G	Н	1	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
,	C - LOWER SLOPE										
4	D - WATER'S										
5	EDGE										
6											
	В		Hydrangea	Deciduous	M,P	5'	FS,P,Shade	Moist	6'x5'	Seeds, seedlings,	Ornamental, fa
		Climbing Hydrangea,	arborescens							container 1 to 3 gal.	mostly in rocky
		Sevenbark, Mountain									streams or mix
		Hydrangea									a vine. May-Jul
1,,											Eaten by mamı
42		Ook loof Lludronges	l lydron goo	Desidueus	MD	E!	EC D Chada	Maiat	ClyEl		& butterflys.
	В		Hydrangea	Deciduous	M,P	5'	FS,P,Shade	Moist	6'x5'		Ornamental, fa
			quercifolia								shady habitats, forests, borderi
											July-Flowers-w
											mammals, gar
43											butterflys.
	Α	Sweet Gallberry, Gay-	Ilex coriacea (13	Evergreen	P,C	5'	FS,P	Wet, Moist, Dry	18'x15'	Seeds, seedlings,	Ornamental, fo
			species in SE)							_	understory shru
		Inkberry									soils bordering
											woods, & swan
											FebFruit-blacl
											mammals & ins
44										D. 700 N 3	Ann Gill

	А	В	С	D	Е	F	G	Н	Į	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE			_							
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2	D 110050				0	2.41			100		A.II
3	B - UPPER SLOPE				Coastal	Min.	Shade		Width		All shrubs prov wildlife.
4	C - LOWER SLOPE										
	D - WATER'S										
5	EDGE										
6	A	*Possumhaw	llex decidua (13	Deciduous	P,C	8'	FS,P,Shade	Dry	25'x15'	Seeds, seedlings,	Ornamental, fo
			species in SE)	Deciduous	F,C	0	FS,F,SHaue	DI У	25 8 15	_	understory shru
			species iii oc)							Container 1 to 5 gai.	soils bordering
											forests, low wo
											Flowers-white.
											songbirds, gar
45											Jerrigen are, gene
	А	Inkberry, Bitter	llex glabra (13	Evergreen	С	10'	P, Shade	Dry, Moist, Wet	10'x8'	Seeds, seedlings,	Ornamental, fo
		Gallberry, Evergreen	species in SE)							container 1 to 5 gal.	understory shru
		Winterberry									prefers acidic s
											woodlands, pod
											June-Flowers-v
											by songbirds, g
46	Δ	*American Helly	lloy on occ (40	Evergrass	D C	20'	EC D Chada	Dn	0Elv4El	Coodo ocadinas	Ornamantal fa
	Α	_		Evergreen	P,C	20	FS,P,Shade	Dry	25'x15'	Seeds, seedlings,	Ornamental, fa
			species in SE)							container 1 to 5 gal.	mixed upland 8
											soils. May-June
1,7											Fruit. Eaten by insects/bees.
47]				<u> </u>]	700 N. ⁻	

	А	В	С	D	Е	F	G	Н	Į.	J	
		Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
1 1	BUFFER	considered small trees									berries
2	D. LIDDED				0	N 41 .	OL - L		\A/: I/I		All al al a la access
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE C - LOWER										wildlife.
4	SLOPE										
Ė	D - WATER'S										
5	EDGE										
6	· -										
48	Α	•	Ilex verticillata (13 species in SE)	Deciduous	M,P,C	8'	FS,P	Wet, Moist	10'x6'	Seeds, seedlings, container 1 to 5 gal.	Ornamental, fo understory shru soils bordering June-Flowers-v songbirds, gam
49	A		Ilex vomitoria (13 species in SE)	Evergreen	P,C	8'	FS	Moist, Dry	15'x10'	Seedlings, container 3 to 15 gal.	Ornamental, fo understory shruprefers acidic s fields, open for May-June-Flow Eaten by songk insects/bees.
		Virginia Willow, Sweetspire, Tassel- white, Washington Plume	Itea virginica	Deciduous	P,C	8'	FS,P, Shade	Wet, Moist	8'x6'	container 1 to 5 gal.	Ornamental, fa edge of stream low woodlands white. July-Feb butterflys & ins

	А	В	С	D	Е	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
	C - LOWER										
4	SLOPE										
5	D - WATER'S										
6											
51		Mountain Laurel, Mountain Ivy, Calico Bush, Spoonwort	Kalmia latifolia	Evergreen	M,P	5'	FS,P, Shade	Wet, Moist	6'x5'		Ornamental, fo in dense thicke Infrequent alon Lower Pd & Cp white/pink. Sep & birds
52		Kill, Wicky	Kalmia augustifolia var. caroliniana	Evergreen	P,C	5'	P,Shade	Wet, Moist	6'x5'	Seeds, seedlings,	Ornamental, fo in dense thicke Infrequent alon Lower Pd & Cp white/pink. Sep & birds.
53	С	9	Leucothoe axillaris	Evergreen	С	6'	P,Shade	Wet, Moist	6'x4'	Seedlings, container 3 to 15 gal.	Ornamental, fo prefers wet to r woodlands, mix
54	С	3	Leucothoe editorum	Evergreen	M,P	6'	P,Shade	Wet, Moist	6'x4'	Seedlings, container 3 to 15 gal.	Ornamental, fo wet to moist so woodlands, mix

F					E		G	Н	•	1	
1 7	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
	ZONE										
F	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
<mark>E</mark>	BUFFER	considered small trees									berries
2											
	B - UPPER SLOPE				Coastal	Min.	Shade		Width		All shrubs prov wildlife.
	C - LOWER										Wilding:
4 5	SLOPE										
	D - WATER'S										
	EDGE										
6	C	Fetterbush, Sweetbells	Leucothoe	Evergreen	P,C	6'	P,Shade	Wet, Moist	6'x4'	Seedlings,	Ornamental, fo
	-	retterbush, Sweetbells	racemosa	Evergreen	F,C	l ^o	r,Shaue	Wet, Moist	0 14	container 3 to 15	wet to moist so
			Tacemosa								wer to moist so woodlands, bog
55 E	Ω	Spicebush	Lindera benzoin	Deciduous	M,P,C	5'	P,Shade	Wet, Moist	6'x5'	Seeds, seedlings,	Ornamental, fa
'	D .	Spicebusii	Lindera benzoin	Deciduous	IVI,F,C]3	r,Shaue	TVVEL, IVIOISE	0 23		bordering strea
										Container 1 to 5 gai.	aromatic. Eater
56											insects.
E	В	Male-Berry, Male-	Lyonia ligustrina	Deciduous	P,C	10'	FS, P	Wet, Moist	10'x8'	Seeds, seedlings,	Ornamental, fa
		•	(5 species in SE)		, ,					_	bordering strea
57		,	(mammals, bird
	С	Fetterbush	Lyonia lucida (5	Deciduous	P,C	5'	FS,P	Wet, Moist	6'x5'	Seeds, seedlings,	Ornamental, fa
			species in SE)							container 1 to 5 gal.	bordering strea
58			·								mammals, bird
P	Ą	*Southern Wax Myrtle,	Myrica cerifera 5	Evergreen	P,C	10'	FS,P	Dry, Moist	25'x20'	Container, 1 to 3	Non-legume nit
		Bayberry, Candleberry	species in SE							gal.	hedge, spreads
											roadsides, ditcl
											used to repell i
										_	gamebirds, sor
59											Ann Gill Tryon St.

	А	В	С	D	E	F	G	Н	T i	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE						J. J		11101111	production of the second of th	
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees		-							berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
	C - LOWER										
4	SLOPE										
5	D - WATER'S										
6	HI)(sh										
	A	Ninebark	Physocarpus	Deciduous	M,P,C	10'	FS,P	Moist, Wet	10'x8'	Seeds, seedlings,	Occures along
			opulifolius							container 1 to 5 gal.	& moist cliffs. A
											Seeds. Eaten t
60											
	A	Pasture Rose, Carolina	Rosa carolina	Deciduous	M,P,C	5'	FS	Moist, Dry	3'x3'	Seeds, seedlings,	Fast growing, p
		Rose								container 1 to 5 gal.	open woodland
61					_		_				
	A		Rhododendron	Deciduous	P,C	6'	FS	Moist, Dry	6'x3'	Seeds, seedlings,	Fast growing, p
			atlanticum							container 1 to 5 gal.	woods and sav
62	_		<u> </u>						1.01.01		Bird and butter
	В		Rhododendron	Deciduous	M,P	8'	FS,P	Moist, Dry	12'x8'	Seeds, seedlings,	Fast growing, p
			calendulaceum							container 1 to 5 gal.	streams, low w
63	^	0.4. 1. 0. 1. 1.	DI. I. I. I	D	NA D	4.01	F0	NACCE D	451.401	0 1	and butterfly fo
	A	Catawba Rhododendron		Deciduous	M,P	10'	FS	Moist, Dry	15'x10'	Seeds, seedlings,	Fast growing, p
			catawbiense							container 1 to 5 gal.	slopes, ridges {
64	<u> </u>	*D	Di a la la cia	D	I I	4.01	F0	NA . ' . t	451.401	0	Hummingbird a
	В	•	Rhododendron	Deciduous	M,P	10'	FS	Moist	15'x10'	Seeds, seedlings,	Fast growing, p
		·	maximum							container 1 to 5 gal.	land nardwoods Ann Gill
65		Laurel									Tryon St.

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	A	В	С	D	E	F	G	Н	l l	J	
		Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2	D. 110050				0 11	2.41) A (1 1 1 1		A !! . ! . !
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE C - LOWER										wildlife.
4	SLOPE										
一	D - WATER'S										
5	FDGE										
6	(-										
	А		Rhododendron	Deciduous	M,P	6'	P, Shade	Moist, Dry	6'x3'	Seeds, seedlings,	Fast growing, p
			nudiflorum var.							container 1 to 5 gal.	woods and thic
			canescens								Bird and butter
66	С	Swamp Azalea	Rhododendron	Deciduous	M,P,C	6'	P, Shade	Wet, Moist	6'x3'	Seeds, seedlings,	Fast growing, p
		•	viscosum (R.		,,,,,,	Ĭ	, oriado	TVVOL, IVIOISE		_	swamps. Bird a
67			serrulata)							Jestitalijoi i to o gali.	S. ampo. Bild c
67	A		· · · · · · · · · · · · · · · · · · ·	Deciduous	P,C	5'	FS	Dry	1' -	Seeds, seedlings,	Groundcover, f
	, ,	i ragiant Camao	Titlas aromanoa	2000000	, , ,		l [.]		['	containers	right of ways &
											FebMay-flow€
											seeds. Seeds €
68											birds.
	Α	<u> </u>	Rhus copallina	Deciduous	M,P,C	5'	FS	Moist, Dry	25' -6"	Seeds, seedlings,	Fast growing, ε
		Winged Sumac, Dwarf								containers	ways & forest r
		Sumac									flowers-greenis
											eaten by mamr
69											

	A	В	С	D	Е	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
	C - LOWER										
4	SLOPE										
_	D - WATER'S										
5 6	EDGE										
۳	A	*Smooth Sumac,	Rhus glabra	Deciduous	M,P,C	5'	FS	Moist, Dry	20' -4"	Seeds, seedlings,	Fast growing, ε
		Scarlet Sumac,	Titlus glabia	Doddada	''','' ,	Ĭ		liviolot, Diy		containers	ways & forest r
		Common Sumac									flowers-greenis
		Common Camao									eaten by mamr
70											Todion by main
	А	*Staghorn Sumac,	Rhus hirta (Rhus	Deciduous	M,P	5'	FS	Moist, Dry	30' -8"	Seeds, seedlings,	Fast growing, ε
		Velvet Sumac	typhina)							containers	ways & forest r
											flowers-greenis
											eaten by mamr
71											
		,	Rosa carolina	Deciduous	M,P,C	5'	FS,P	Dry, Moist	5'x5'	Seeds, seedlings,	Fast growing, ε
		Rose								container 1 to 5 gal.	woodland bord
72		0 0	D	<u> </u>	14.5.6	4.01	F0 D 0: :	NA	01.01	0 1 "	mammals & ma
	С	Swamp Rose	Rosa palustris	Deciduous	M,P,C	10'	FS,P, Shade	Wet, Moist	8'x6'	Seeds, seedlings,	Fast Growing, I
										container 1 to 5 gal.	ponds & swam
73						<u> </u>			1.01 1.01		birds
	А			Deciduous	M,P	5'	FS	Moist, Dry	10'x10'	Seeds, seedlings,	Fast growing, p
 			Eubatus								woodlands bore
74			allegheniensis								Deirdigod.

	A	В	С	D	Е	F	G	Н	I	J	
1	RIPARIAN ZONE	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
2	A - UPLAND BUFFER	*Some shrubs can be considered small trees		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have berries
	B - UPPER SLOPE				Coastal	Min.	Shade		Width		All shrubs prov wildlife.
4	C - LOWER SLOPE										
5	D - WATER'S										
75	А	Purple Flowering Raspberry	Rubus odoratus	Deciduous	M	5'	FS	Moist, Dry	5'x5'	_	Fast growing, p slopes, streaml thorns. Butterf
76	В	Prairie Willow	Salix humilis	Deciduous	M,P	6'	FS	Moist	6'x5'	Seeds, seedlings,	Fast Growing, patreams, marsh
77	В	Silky Willow	Salix sericea	Deciduous	M,P	15'	FS	Moist	15'x10'	1	Fast Growing, patreams, woodl
	D	, ,	Sambucus canadensis	Deciduous	M,P,C	10'	FS	Wet, Moist	12'x10' -6"	(Cuttings are successful)	Fast growing, for sites, in open he flowers, Aug-O edible to huma species birds.
	D		Spiraea tomentosa & Spiraea alba	Deciduous	M,P,C	10'	FS,P	Wet, Moist	8'x6'	Seeds, seedlings,	Fast growing, p

	A	В	С	D	Е	F	G	Н	l l	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
	C - LOWER										
4											
5	D - WATER'S										
6											
	С	Virginia Stewartia, Silky	Stewartia	Deciduous	P,C	10'	FS,P,Shade	Moist	8'x6'	Seeds, seedlings,	Fast growing, p
			malacodendron							1	streambanks, l
80											·
	С	Mountain Stewartia	Stewartia ovata	Deciduous	M,P	10'	FS,P,Shade	Moist	8'x6'	Seeds, seedlings,	Fast growing, p
											streambanks, l
81										Ĭ	,
	Α	American Snowbell	Styrax	Deciduous	P,C	8'	FS,P	Moist, Dry	6'x5'	_	Fast growing, p
			americana							container 1 to 5 gal.	woods, mixed f
82											
	А	Bigleaf Snowbell	Styrax grandifolia	Deciduous	P,C	8'	FS,P	Moist, Dry	6'x5'	_	Fast growing, p
										container 1 to 5 gal.	woods, mixed f
83											
	А	Sparkleberry		Evergreen	P,C	8'	FS,P	Moist, Dry	25'x15'	_	Fast growing, p
			arboreum								upland, forest ι
											eaten by mamr
84			Manadalan	F	D 0	01	F0 D	Maria D	01.01	1	many birds.
	Α	Black Highbush		Evergreen	P,C	8'	FS,P	Moist, Dry	8'x6'	_	Fast growing, p
		Blueberry	atrococcum							container 1 to 5 gal.	Torest understo
85										700 N. 7	กินิทาลีhs. Fruit €
										700 IN.	rryon St.

	Α	В	С	D	Е	F	G	Н	I	J	
		Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2	D. LIDDED				0	D 4:	01 1) A (* 141		A II . I
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE C - LOWER										wildlife.
4	SLOPE										
\vdash	D - WATER'S										
5	EDGE										
6											
	В	,		Evergreen	M,P,C	8'	FS	Moist, Dry	10'x6'	Seeds, seedlings,	Fast growing, p
			corymbosum								pocosins, pine
			(V.virgata,								and clearings.
86			formosa)								by mammals, r
80		Creeping Blueberry	Vaccinium	Evergreen	P,C	5'	FS	Moist, Dry	2'x1'		hirds Groundcover; f
			crassifolium	Lvorgroom	,,,			Wiolot, Bry			soils, poccosins
			oracononarri							Toomanion i to o gain	understory, and
											reptiles, insects
87											edible to huma
	С	Elliott Blueberry,	Vaccinium elliottii	Evergreen	M,P,C	8'	P,Shady	Wet, Moist	10'x8'	Seeds, seedlings,	Fast growing, p
		Mayberry		_						container 1 to 5 gal.	streams and sv
											mammals, rept
88											
				Evergreen	M,P,C	8'	FS	Moist, Dry	20'x15'	Seeds, seedlings,	Fast growing, p
		Gooseberry	stamineum							1	forest understo
											mammals, rept
89											Ann Cill

	А	В	С	D	E	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE						ŕ			· ·	·
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
	C - LOWER										
4	SLOPE										
5	D - WATER'S										
6											
	Α	Lowbush Blueberry	Vaccinium	Evergreen	P,C	3'	FS	Dry	1'x1'	Seeds, seedlings,	Fast growing, p
		•	tenellum							container 1 to 5 gal.	understory, and
											reptiles, insects
90											
	A	Lowbush Blueberry		Evergreen	P,C	3'	FS	Dry	1'x1'	Seeds, seedlings,	Fast growing, p
			vacillans							container 1 to 5 gal.	understory, and
											reptiles, insects
91	_	Manla Laaf Vilaumauma	Viburnum	Dasiduaus	M,P	6'	FS	Majot	8'x6'	Coodo coodlingo	Doon rooted to
	В	Maple Leaf Viburnum	acerifolium	Deciduous	IIVI,P	6	FS	Moist	8 X6	Seeds, seedlings,	Deep rooted, fo
			acemonum							container 1 gal. (Cuttings are	in valleys, slope Prolific berries
92										successful)	Profific berries
	В	Southern Arrowwood	Viburnum	Deciduous	M,P,C	6'	FS	Moist, Dry	10'x6'	Seeds, seedlings,	Deep rooted, w
		Viburnum	dentatum		, , -					container 1 gal.	swamps, formii
										(Cuttings are	many species (
93										successful)	
	В	Possumhaw Viburnum	Viburnum nudum	Deciduous	M,P,C	6'	FS	Wet, Moist	16x10'	Seeds, seedlings,	Deep rooted, n
										container 1 gal.	forming thicket:
										(Cuttings are D.	spegies of birds
94										successful) 700 N	ryon St.

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	Α	В	С	D	Е	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
	C - LOWER										
4											
5	D - WATER'S										
6	EDGE										
Ť	В	Nannyberry	Viburnum	Deciduous	M,P,C	6'	FS	Wet, Moist	20'x10'	Seeds, seedlings,	Deep rooted, m
			lentago		-,- ,-					container 1 gal.	flowers, Late su
			3							(Cuttings are	edible to huma
95										successful)	species of birds
	В		Viburnum	Deciduous	M,P,C	6'	FS	Moist	25'x16'	Seeds, seedlings,	Deep rooted, n
			prunifolium							container 1 gal.	slopes, in thick
										(Cuttings are	white flowers, f
96			\ <i>m</i>							successful)	to humans.
	В	Downy Arrowwood	Viburnum	Deciduous	Р	6'	FS	Moist	20'x16'	Seeds, seedlings,	Deep rooted, n
			rafinesquianum							container 1 gal.	and edges of fo
07										(Cuttings are	species of birds
97	В	Rusty Blackhaw	Viburnum	Deciduous	P,C	6'	FS	Moist	20'x16'	successful) Seeds, seedlings,	Deep rooted, rr
	ا	IINUOLY DIAUNIIAW	rufidulum	Deciduous	F,C	ال	ارا	INIOISE	20 8 10	container 1 gal.	of forest, formir
			Tundulum							(Cuttings are	many species (
98										successful)	Iniany species (
	D	Yellowroot	Xanthorhiza	Deciduous	M,P,C	4'	P,Shade	Wet, Moist	3'x3'	Seeds, seedlings,	Deep rooted, w
			simplicissima		', '-			,		container 1 gal.	streambanks.
										(Cuttings are	
99										Ι΄ ΄, '' ''	Ann Gill Tryon St.
										Charlette N	•

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	А	В	С	D	Е	F	G	Н	I	J		
		Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita	
1	ZONE											
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have	
	BUFFER	considered small trees									berries	
2												
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov	
3	SLOPE										wildlife.	
	C - LOWER											
4	SLOPE											
	D - WATER'S											
5	EDGE											
6						<u> </u>						
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		ks and Recreation, P.O. I		•				, , , , , , , , , , , , , , , , , , , ,				
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106												

	Ι Λ Ι	В	С	D	ΙE		G	Н	1 1	1 1	1
\vdash	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or			Max.	Cood production	Benefits, Habita
1	ZONE	Common Name	botanical Name	Deciduous	wountain	Rate of	Full Sun,	Soil Moisture	wax.	Seed production	benefits, Habita
\vdash	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Chaoina	Partial,	Condition:	Hoight		All shrubs have
				Evergreen	Fledifiont	Spacing	railiai,	Condition.	Height,		
	BUFFER	considered small trees									berries
2	B - UPPER				Coastal	Min.	Shade		Width		All obruba area
					Coasiai	IVIII).	Shade		vvidin		All shrubs prov
3	SLOPE C - LOWER										wildlife.
1	SLOPE										
+	D - WATER'S										
5	EDGE										
6											
	D	*Common Alder, Hazel	Alnus serrulata	Deciduous	M,P,C	5'	FS	Wet, Moist	20' -4"	Seeds, seedlings,	Forms thickets,
		or Tag Alder								containers 3 to 15	bottomlands, flo
										gal. (Cuttings are	
7										successful).	
	Α	, , , , , , , , , , , , , , , , , , ,		Deciduous	M,P,C	10'	FS,P	Moist, Dry	25' x 6"	Seeds, seedlings,	Ornamental, fa
		June Berry	arborea							container 1 gal.	bordering strea
											Can be found i
											flowers, fruit in
8		Hamarilaa Olish Daridh	A malia amina a a	Daaidoo	MDC	[D Charle	Maint Mat	4.51,4.01	Coods of alliant	birds alike.
	Α	,	Aralia spinosa	Deciduous	M,P,C	5'	P,Shade	Moist, Wet	15'x10'	Seeds, seedlings,	Perennial; Orna
		Walking Stick, angelica								container 1 gal.	burgendy, prefe
		Tree, Prickly Ash,									thickets, strean
		Toothache Tree									Flowers-cream
9											black. Bird, ma
 	В	Red Chokeberry	Aronia arbutifolia	Deciduous	M,P,C	3'	FS,P	Wet, Moist	5'x4'	Seeds, seedlings,	Ornamental, fa
		Trea Chorenens		Peciagons	101,1 ,0] 3,1	VVGI, IVIUISI	J ^4	container 1 gal.	bordering strea
										(Cuttings are	Tolerant of mai
											มีดูพ e ris, Sept-F
10											ротеленты Протеленты
10					<u> </u>		1			Charlotte, N	

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	А	В	С	D	Е	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
	C - LOWER										
4	SLOPE										
5	D - WATER'S										
6	EDGE										
	В	Black Chokeberry	Aronia	Deciduous	M,P,C	5'	FS,P	Wet, Moist	6'x6'	Seeds, seedlings,	Ornamental, fa
		,	melanocarpa		, , -		,			container 1 gal.	bordering strea
										(Cuttings are	Tolerant of mai
										successful)	flowers, Sept-F
11										,	pome eaten by
	А	Dwarf Pawpaw	Asimina	Deciduous	P,C	5'	FS,P	Dry, Moist	6' x4'	Seeds, seedlings,	Occures on mc
			parviflora (8							container 1 gal.	habitat, from co
			species in SE)								AprMay-Flowe
											SeptFruits/sec
12	+										butterflys.
	Α	*Silverling, Eastern	Baccharis	Both	P,C	6'	FS	Moist ,Dry	16'x12'	Seeds, seedlings,	Fast growing, s
		Baccharis	halimifolia							container 1 gal.	and female pla
										(Cuttings are	bordering strea
										successful)	shore hammoc
											white/silvery. O
13											

	Α	В	С	D	Е	F	G	Н	I _	J	
		Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2	D. 110055				0 11	2.4			100		
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
١,	C - LOWER										
4	SLOPE D - WATER'S										
5	EDGE										
6											
	Α	American Beautyberry,	Callicarpa	Deciduous	P,C	3'	FS, P	Moist, Dry	8'x6'	Seeds, seedlings,	Ornamental, fa
		French mulberry,	americana							container 1 gal.	bordering strea
		Beautybush									margins, right-c
											Flowers-pinkish
											purple or white
14											mammals.
	А			Deciduous	M,P	6'	FS,P	Dry, Moist	8'x6'	Seeds, seedlings,	Ornamental ard
			floridus							container 1 gal.	forms colonies,
											sites, bottomlar
											bordering strea
											June-Flowers-r
15											Apr.Seeds. Eat
Ť	Α	*Allegheny Chinkapin	Castanea pumila	Deciduous	M,P,C	10'	FS,P	Moist	20'x12'	Seeds, seedlings,	Ornamental, fa
										container 1 to 3 gal.	sitees bordering
16											

	А	В	С	D	E	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
	C - LOWER										
4	SLOPE										
5	D - WATER'S										
6											
٣		New Jersey Tea	Ceanothus	Deciduous	M,P,C	5'	FS	Moist, Dry	4'x3'	Seeds, seedlings,	Ornamental, no
		•	americanus 4		,. , -					_	growing, prefer
			species in SE								margins, well d
											roadsides & sle
											white. June-Se
17											mammals, & bı
	D	*Buttonbush	Cephalanthus	Deciduous	M,P,C	4'	FS,P	Wet, Moist	20'x12'		Ornamental, fa
			occidentalis							container 1 gal.	bordering strea
											of white flowers
											fruit/seeds-butt
											ducks, songbire
18											Leaves poisona
	В	'' '	Clethra	Deciduous	M,P	10'	FS	Moist	20'x12'	Seeds, seedlings,	Ornamental, fo
		· '	acuminata								moist soils bord
		Pepperbush, Cinnamon									hardwood fores
		Clethra									Increased by d
											white/fragrant.
											spring. Eaten b
19											Amseedils. Tryon St.

	А	В	С	D	E	F	G	Н	Ī	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2					0 ()	2.4:	01 1		107: 141		0.11
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE C - LOWER										wildlife.
⊿	SLOPE										
H	D - WATER'S										
	EDGE										
6											
	В	*Sweet Pepperbush, White Alder, Summersweet	Clethra alnifolia	Deciduous	P,C	10'	FS	Moist	20'x12'	container 1 to 3 gal.	Ornamental, fo moist soils bord savannahs, flat bogs. Intoleran
20											drainage and fi SeptFebFrui mammals, bee
21			Comptonia peregrina	Both	M,P	10'	FS	Moist, Dry	6'x6'	Seeds, seedlings, container 1 to 3 gal.	Fast growing, p woods, abandc
22			Comptonia cerifera	Evergreen	P,C	10'	FS	Moist, Dry	20'x15'	_	Fast growing, p woods, abandc High value wint
23		Silky Dogwood, Bush Dogwood	Cornus amomum	Deciduous	M,P,C	10'	FS,P	Wet, Moist	10'x 8'	Seeds, seedlings,	Fast growing, p streams, swam

	А	В	С	D	E	F	G	Н	Į.	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
1,	C - LOWER										
4	SLOPE D - WATER'S										
5	EDGE										
6											
	С	Swamp Dogwood	Cornus stricta	Deciduous	P,C	10'	FS, P	Wet, Moist	10'x8'	Seeds, seedlings,	Fast growing, p
										container 1 to 3 gal.	streams, swam
24											
	A		-	Deciduous	M,P,C	10'	FS	Moist	15' x10'		Ornamental, fc
		Hazelnut	americana							_	slightly acidic s
											dry sites borde
											forests, pasture
											male catkins- y
25											Eaten by huma
23	Α	*Beaked Hazelnut	Corylus cornuta	Deciduous	M,P	10'	FS	Dry, Moist	15' x10'	Seeds, seedlings,	Ornamental, fc
	[]	Doanou Flazoniat	201 yido comidia	2000000	,1			2.3, 1410100	0 710		slightly acidic s
											dry sites borde
											forests, pasture
											male catkins- y
											Eaten by huma
26											Laton by nama

	Α	В	С	D	E	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE			_							
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2	B - UPPER				Coastal	Min.	Shade		Width		All obruba prov
3	SLOPE				Coasiai	IVIII I.	Shaue		vvidtri		All shrubs prov wildlife.
٣	C - LOWER										wildlife.
4	SLOPE										
	D - WATER'S										
5 6	EDGE										
٣	Α	*Summer Haw, Yellow	Crateagus flava	Deciduous	P,C	20'	FS	Dry, Moist	T,S -1-3'	Seeds, seedlings,	Ornamental, fo
			(56 species in	200.0000	. , •			2.,,	1,,0	containers 3 to 15	thorns, strong r
			SE)							gal.	sites, streamba
			,								right-of-ways, ε
											OctRed Pom€
27			_								songbirds.
	Α		_	Deciduous	M,P,C	20'	FS	Moist	T,S -1-3'	Seeds, seedlings,	Ornamental-crc
			spathulata (56							containers 3 to 15	colonies/thicke
			species in SE)							gal.	system, prefers bottonlands, m
											OctDecRed
28											birds, & songbi
<u> </u>	Α	*Dwarf Hawthorn, One	Crateagus	Deciduous	P,C	20'	FS	Dry	T,S -1-3'	Seeds, seedlings,	Ornamental, fo
		′	uniflora (56						,	containers 3 to 15	thorns, strong r
			species in SE)							gal.	forests & margi
											May-Flowers-w
											mammals, garr
29											Ann Gill

	A	В	С	D	Е	F	G	Н	1	J	
		Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
	C - LOWER										
4	SLOPE										
5	D - WATER'S										
6											
	A		Crateagus marshallii (56 species in SE)	Deciduous	M,P,C	20'	FS	Wet, Moist	T,S -1-3'	Seeds, seedlings, containers 3 to 15 gal.	Ornamental, fo thorns, strong r sites, streamba AprMay-Flow Eaten by mamı
30		*\A/L'(. T'C D) (C'C	0 311	D. (I		001		NA/ . (NA	T 0 1 0	0	East and the
31	С		Cyrilla racemiflora	Both	С	20'	FS	Wet, Moist	T, S-1-3	Seeds, seedlings, containers 3 to 15 gal.	Fast growing, for sites, stream multiple flatwoods depropriate stands. Deep refragrant, Septbutterfly nectar
32	А	,	Diervilla sessilifolia	Deciduous	М	5'	FS	Dry	5'x5'	Seeds, seedlings, container 1 to 3 gal.	Fast growing, p

	A	В	С	D	Е	F	G	Н	l	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
	C - LOWER										
4	SLOPE										
5	D - WATER'S										
6	ED (SE										
	В	Hearts A'Bustin,	Euonymus	Both	M,P,C	5'	FS,P	Wet, Moist	6'x4'	Seeds, seedlings,	Ornamental, fa
		Strawberry Bush,	americanus							container 1 to 3 gal.	including bottor
		Burning Bush, Bursting-									& mixed forests
		heart									green. SeptDo
											deer, mammals
											shade but mos
33					_		_			_	_
	A		_	Deciduous	P,C	5'	FS,P	Dry, Moist	8'x4'	Seeds, seedlings,	Occures on mc
		Indian Cherry, Pole-Cat-	caroliniana							container 1 to 3 gal.	habitat, new fo
		Tree									open hardwood
											Flowers-greeni
											Berry/seeds. E
34	Λ	*\//intorgroop	Coulthoria	Evergreen	MDC	5'	D Shada	Dry Moiet	EVE	Soods coodlings	Foot growing n
	Α	0		Evergreen	M,P,C	၂၁	P,Shade	Dry, Moist	5x5	Seeds, seedlings,	Fast growing, p
35			procumbens							container 1 to 3 gal.	

	А	В	С	D	E	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
	C - LOWER										
4	SLOPE										
5	D - WATER'S										
6	EDGE										
Ť	А	1		Deciduous	M,P,C	5'	FS	Moist, Dry	5'x5'	Seeds, seedlings,	Excellent Grou
			baccata (6							container 1 to 3 gal.	to moist soils ir
			species in SE)								woodlands. Ma
											Berry eaten by
36	^	D (11 11 1		D (1	1450	01	F0	N4 : 4 D			butterflys.
	Α		,	Both	M,P,C	2'	FS	Moist, Dry	2'x2'	Seeds, seedlings,	Excellent Grou
			dumosa(6							container 1 to 3 gal.	sandy soils of p
			species in SE)								elevation pine f
37											Flowers-white.
31	A	Blue Huckleberry,	Gaylussacia	Deciduous	P,C	5'	FS	Moist, Dry	5'x5'	Seeds, seedlings,	mammals, rept Excellent Grou
		_	frondosa (6		,,,		l'	livioist, Dry			and well-draine
		· · · · · · · · · · · · · · · · · · ·	species in SE)							Joshianion i to 5 gai.	bays, shrub bo
											Flowers-white.
											mammals, rept
38											Imammais, rept
						1	1			1	

	A	В	С	D	Е	F	G	Н	I	J	
1	RIPARIAN ZONE	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
2	A - UPLAND BUFFER	*Some shrubs can be considered small trees		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have berries
3	B - UPPER SLOPE				Coastal	Min.	Shade		Width		All shrubs prov wildlife.
4	C - LOWER SLOPE										
5	D - WATER'S										
39	A	,	Gaylussacia ursina (6 species in SE)	Deciduous	M,P,C	5'	FS	Moist, Dry	5'x5'	Seeds, seedlings, container 1 to 3 gal.	Excellent Grouto moist soils in woodlands. Ma Berry eaten by butterflys.
40	A		virginiana		M,P,C		FS,P	Moist	20'x15'	Seeds, seedlings, container 1 to 3 gal.	Ornamental, ca sites, open to s plant in mixed f margins & bord yellow. OctNo & pollinated by
41		. ,	Hibiscus moscheutos	Deciduous	P,C	8'	FS	Wet, Moist	6'x4'	Seeds, seedlings, container 1 to 5 gal.	Fast growing, p streams, marsh June-OctFlow Aug-Nov. Bird

	А	В	С	D	Е	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
	C - LOWER										
4	SLOPE										
5	D - WATER'S										
6	HI)(iH										
	В	Wild Hydrangea,	Hydrangea	Deciduous	M,P	5'	FS,P,Shade	Moist	6'x5'	Seeds, seedlings,	Ornamental, fa
		Climbing Hydrangea,	arborescens		,						mostly in rocky
		Sevenbark, Mountain									streams or mix
		Hydrangea									a vine. May-Jul
		, ,									Eaten by mamı
42											& butterflys.
	В	Oak-leaf Hydrangea	Hydrangea	Deciduous	M,P	5'	FS,P,Shade	Moist	6'x5'	Seeds, seedlings,	Ornamental, fa
			quercifolia							container 1 to 3 gal.	shady habitats,
											forests, borderi
											July-Flowers-w
											mammals, garr
43		O	Harragia /40	-	D 0		F0 D	Mat Maint D	4.014.51	0	butterflys.
	Α		llex coriacea (13	Evergreen	P,C	5'	FS,P	Wet, Moist, Dry	18'x15'	Seeds, seedlings,	Ornamental, fo
		. •	species in SE)							container 1 to 3 gal.	understory shru
		Inkberry									soils bordering
											woods, & swan
											FebFruit-black
44											mammals & ins
44					<u> </u>		l		l		Ann Gill Tryon St.

	А	В	С	D	Е	F	G	Н	Į	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE			_							
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2	D 110050				0	2.41			100		A.II
3	B - UPPER SLOPE				Coastal	Min.	Shade		Width		All shrubs prov wildlife.
4	C - LOWER SLOPE										
	D - WATER'S										
5	EDGE										
6	A	*Possumhaw	llex decidua (13	Deciduous	P,C	8'	FS,P,Shade	Dry	25'x15'	Seeds, seedlings,	Ornamental, fo
			species in SE)	Deciduous	F,C	0	FS,F,SHaue	DI У	25 8 15	_	understory shru
			species iii SL)							Container 1 to 5 gai.	soils bordering
											forests, low wo
											Flowers-white.
											songbirds, gar
45											Jerrigen are, gene
	Α	Inkberry, Bitter	llex glabra (13	Evergreen	С	10'	P, Shade	Dry, Moist, Wet	10'x8'	Seeds, seedlings,	Ornamental, fo
		Gallberry, Evergreen	species in SE)							container 1 to 5 gal.	understory shru
		Winterberry									prefers acidic s
											woodlands, pod
											June-Flowers-v
											by songbirds, g
46	Δ	*American Helly	lloy on occ (40	Evergrass	D C	20'	EC D Chada	Dn	0Elv4El	Coodo ocadinas	Ornamantal fa
	Α	_		Evergreen	P,C	20	FS,P,Shade	Dry	25'x15'	Seeds, seedlings,	Ornamental, fa
			species in SE)							container 1 to 5 gal.	mixed upland 8
											soils. May-June
1,7											Fruit. Eaten by insects/bees.
47]				<u> </u>]	700 N. ⁻	

	Α	В	С	D	Е	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
	C - LOWER										
4	SLOPE D - WATER'S										
5	EDGE										
6											
48	A	,	Ilex verticillata (13 species in SE)	Deciduous	M,P,C	8'	FS,P	Wet, Moist	10'x6'	Seeds, seedlings, container 1 to 5 gal.	Ornamental, fo understory shru soils bordering June-Flowers-v songbirds, gam
49	A		Ilex vomitoria (13 species in SE)	Evergreen	P,C	8'	FS	Moist, Dry	15'x10'	Seedlings, container 3 to 15 gal.	Ornamental, fo understory shruprefers acidic s fields, open for May-June-Flow Eaten by songk insects/bees.
50		Virginia Willow, Sweetspire, Tassel- white, Washington Plume	Itea virginica	Deciduous	P,C	8'	FS,P, Shade	Wet, Moist	8'x6'	Seeds, seedlings, container 1 to 5 gal.	Ornamental, fa edge of stream low woodlands white. July-Feb butterflys & ins

	А	В	С	D	Е	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2					-						
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
,	C - LOWER SLOPE										
4	D - WATER'S										
5	EDGE										
6											
51		Mountain Laurel, Mountain Ivy, Calico Bush, Spoonwort	Kalmia latifolia	Evergreen	M,P	5'	FS,P, Shade	Wet, Moist	6'x5'	Seeds, seedlings, container 1 to 5 gal.	Ornamental, fo in dense thicke Infrequent alon Lower Pd & Cp white/pink. Sep & birds.
52		Kill, Wicky	Kalmia augustifolia var. caroliniana	Evergreen	P,C	5'	P,Shade	Wet, Moist	6'x5'	Seeds, seedlings, container 1 to 5 gal.	Ornamental, fo in dense thicke Infrequent alon Lower Pd & Cp white/pink. Sep & birds.
53	С	Coastal Dog-Hobble	Leucothoe axillaris	Evergreen	С	6'	P,Shade	Wet, Moist	6'x4'	Seedlings, container 3 to 15 gal.	Ornamental, fo prefers wet to r woodlands, mix
54	С	Dog-Hobble	Leucothoe editorum	Evergreen	M,P	6'	P,Shade	Wet, Moist	6'x4'	Seedlings, container 3 to 15 gal.	Ornamental, fo wet to moist so woodlands, mix

	А	В	С	D	Е	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE									·	
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
	C - LOWER										
4	SLOPE										
5	D - WATER'S										
6	ED/GE										
	С	Fetterbush, Sweetbells	Leucothoe	Evergreen	P,C	6'	P,Shade	Wet, Moist	6'x4'	Seedlings,	Ornamental, fo
		,	racemosa	Ü	,		,			container 3 to 15	wet to moist so
55										gal.	woodlands, boเฺ
	В	Spicebush	Lindera benzoin	Deciduous	M,P,C	5'	P,Shade	Wet, Moist	6'x5'	Seeds, seedlings,	Ornamental, fa
		•									bordering strea
											aromatic. Eater
56											insects.
	В	Male-Berry, Male-		Deciduous	P,C	10'	FS, P	Wet, Moist	10'x8'	Seeds, seedlings,	Ornamental, fa
		Blueberry	(5 species in SE)								bordering strea
57	_				_		_				mammals, bird
	С	Fetterbush	Lyonia lucida (5	Deciduous	P,C	5'	FS,P	Wet, Moist	6'x5'	Seeds, seedlings,	Ornamental, fa
			species in SE)								bordering strea
58											mammals, bird
	Α	_	Myrica cerifera 5	Evergreen	P,C	10'	FS,P	Dry, Moist	25'x20'	Container, 1 to 3	Non-legume nit
		Bayberry, Candleberry	species in SE							gal.	hedge, spreads
											roadsides, ditcl
											used to repell ii
											gamebirds, sor ^{Ann} Gill
59											ryon St.

	A	В	С	D	Е	F	G	Н	I _	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2	D. LIDDED				0 11	D. 41) A (' 141		
3	B - UPPER SLOPE				Coastal	Min.	Shade		Width		All shrubs prov wildlife.
4	C - LOWER SLOPE										
	D - WATER'S										
5	EDGE										
6	A	Ninebark	Physocarpus	Deciduous	M,P,C	10'	FS,P	Moist, Wet	10'x8'	Seeds, seedlings,	Occures along
	^		opulifolius	Deciduous	IIVI,F,C	10		INIOISI, WEI	10 80	container 1 to 5 gal.	& moist cliffs. A
			Opulliolius							Journaline 1 to 5 gal.	Seeds. Eaten t
60											Coodo: Edion t
	А	Pasture Rose, Carolina	Rosa carolina	Deciduous	M,P,C	5'	FS	Moist, Dry	3'x3'	Seeds, seedlings,	Fast growing, p
		Rose								container 1 to 5 gal.	open woodland
61											
	А		Rhododendron	Deciduous	P,C	6'	FS	Moist, Dry	6'x3'	Seeds, seedlings,	Fast growing, p
			atlanticum							container 1 to 5 gal.	woods and sav
62	D		Dhadada: dis	Daaidoo	MD	01	EC D	Majet Des	401.01	Coods of allies	Bird and butter
	В		Rhododendron	Deciduous	M,P	8'	FS,P	Moist, Dry	12'x8'	Seeds, seedlings,	Fast growing, p
			calendulaceum							container 1 to 5 gal.	streams, low wand butterfly fo
63	A	Catawba Rhododendron	Rhododendron	Deciduous	M,P	10'	FS	Moist, Dry	15'x10'	Seeds, seedlings,	Fast growing, p
			catawbiense	Deciduous	1171,1		' \	INIOISI, DIY	13 7 10	1	slopes, ridges a
64										Joshamor 1 to 5 gai.	Hummingbird a
	В	*Rosebay	Rhododendron	Deciduous	M,P	10'	FS	Moist	15'x10'	Seeds, seedlings,	Fast growing, p
		•	maximum		,-				1.07.10	container 1 to 5 gal.	
65		Laurel									
								1		' 700 N. '	Tryon St.

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	A	В	С	D	E	F	G	Н	l l	J	
		Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2	D. 110050				0	2.41) A (1 1 1 1		A !! . ! . !
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE C - LOWER										wildlife.
4	SLOPE										
一	D - WATER'S										
5	FDGE										
6	(-										
	А		Rhododendron	Deciduous	M,P	6'	P, Shade	Moist, Dry	6'x3'	Seeds, seedlings,	Fast growing, p
			nudiflorum var.							container 1 to 5 gal.	woods and thic
			canescens								Bird and butter
66	С	Swamp Azalea	Rhododendron	Deciduous	M,P,C	6'	P, Shade	Wet, Moist	6'x3'	Seeds, seedlings,	Fast growing, p
		•	viscosum (R.		,,,,,,	ľ	, oriado	TVVOL, IVIOISE		_	swamps. Bird a
67			serrulata)							Jestitalijoi i to o gali.	S. ampo. Bild c
67	A		· · · · · · · · · · · · · · · · · · ·	Deciduous	P,C	5'	FS	Dry	1' -	Seeds, seedlings,	Groundcover, f
	, ,	i ragiant Camao	Titlas aromanoa	2000000	, , ,		l [.]		['	containers	right of ways &
											FebMay-flow€
											seeds. Seeds €
68											birds.
	Α	<u> </u>	Rhus copallina	Deciduous	M,P,C	5'	FS	Moist, Dry	25' -6"	Seeds, seedlings,	Fast growing, ε
		Winged Sumac, Dwarf								containers	ways & forest r
		Sumac									flowers-greenis
											eaten by mamr
69											

	A	В	С	D	Е	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
	C - LOWER										
4	SLOPE										
_	D - WATER'S										
5 6	EDGE										
۳	A	*Smooth Sumac,	Rhus glabra	Deciduous	M,P,C	5'	FS	Moist, Dry	20' -4"	Seeds, seedlings,	Fast growing, ε
		Scarlet Sumac,	Titlus glabia	Doddada	''','' ,	Ĭ		liviolot, Diy		containers	ways & forest r
		Common Sumac									flowers-greenis
		Common Camao									eaten by mamr
70											
	А	*Staghorn Sumac,	Rhus hirta (Rhus	Deciduous	M,P	5'	FS	Moist, Dry	30' -8"	Seeds, seedlings,	Fast growing, ε
		Velvet Sumac	typhina)							containers	ways & forest r
											flowers-greenis
											eaten by mamr
71											
		,	Rosa carolina	Deciduous	M,P,C	5'	FS,P	Dry, Moist	5'x5'	Seeds, seedlings,	Fast growing, ε
		Rose								container 1 to 5 gal.	woodland bord
72		0 0	D	<u> </u>	14.5.6	4.01	F0 D 0: :	NA	01.01	0 1 "	mammals & ma
	С	Swamp Rose	Rosa palustris	Deciduous	M,P,C	10'	FS,P, Shade	Wet, Moist	8'x6'	Seeds, seedlings,	Fast Growing, I
										container 1 to 5 gal.	ponds & swam
73						<u> </u>			1.01 1.01		birds
	А			Deciduous	M,P	5'	FS	Moist, Dry	10'x10'	Seeds, seedlings,	Fast growing, p
 			Eubatus								woodlands bore
74			allegheniensis			<u> </u>					Deirdigod.

	А	В	С	D	E	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2									1000		A.II
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE C - LOWER										wildlife.
1 4	SLOPE										
	D - WATER'S										
5	EDGE										
6					<u> </u>						
	Α	1	Rubus odoratus	Deciduous	М	5'	FS	Moist, Dry	5'x5'	Seeds, seedlings,	Fast growing, p
75		Raspberry									slopes, streaml
	В	Prairie Willow	Salix humilis	Deciduous	M,P	6'	FS	Moist	6'x5'		thorns. Butterf Fast Growing, p
		Tame willow	Canx Harring	Deciduous	1101,1		0	IVIOIST	0 70	1	streams, marsh
76										The state of the	ourourno, maror
	В	Silky Willow	Salix sericea	Deciduous	M,P	15'	FS	Moist	15'x10'	Seeds, seedlings,	Fast Growing, _I
		,								1	streams, woodl
77											·
	D	,	Sambucus	Deciduous	M,P,C	10'	FS	Wet, Moist	12'x10' -6"	Seeds, seedlings,	Fast growing, for
		•	canadensis							container 1 gal.	sites, in open h
		Elderberry, Common								1,	flowers, Aug-O
		Elder								successful)	edible to huma
78	_										species birds.
	D	Meadowsweet & Narrow	•	Deciduous	M,P,C	10'	FS,P	Wet, Moist	8'x6'	Seeds, seedlings,	Fast growing, p
			tomentosa &							container 1 to 5 gal.	streambanks, l
79			Spiraea alba								

	Α	В	С	D	E	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
	C - LOWER										
4	SLOPE										
5	D - WATER'S										
6											
	С	Virginia Stewartia, Silky	Stewartia	Deciduous	P,C	10'	FS,P,Shade	Moist	8'x6'	Seeds, seedlings,	Fast growing, p
		Camelia	malacodendron							container 1 to 5 gal.	streambanks, l
80											
	С	Mountain Stewartia	Stewartia ovata	Deciduous	M,P	10'	FS,P,Shade	Moist	8'x6'	Seeds, seedlings,	Fast growing, p
										_	streambanks, l
81											
	А		'	Deciduous	P,C	8'	FS,P	Moist, Dry	6'x5'	Seeds, seedlings,	Fast growing, p
			americana							container 1 to 5 gal.	woods, mixed f
82					_						
	Α	Bigleaf Snowbell	Styrax grandifolia	Deciduous	P,C	8'	FS,P	Moist, Dry	6'x5'	Seeds, seedlings,	Fast growing, p
										container 1 to 5 gal.	woods, mixed f
83											
	Α	'		Evergreen	P,C	8'	FS,P	Moist, Dry	25'x15'	Seeds, seedlings,	Fast growing, p
			arboreum								upland, forest ι
											eaten by mamr
84	Ι	Dlook Highbuch	Vaccinium	Everers on	D C	0,	EC D	Moiot Day	01761		many birds.
	Α	•		Evergreen	P,C	8'	FS,P	Moist, Dry	8'x6'	_	Fast growing, p
		Blueberry	atrococcum							container 1 to 5 gal.	forest understo คนิทษิเทร. Fruit เ
85						ļ				700 N.	Inumans. Fruit (Tryon St.

700 N. Tryon St. Charlotte, NC 28202 704-336-5359

Mecklenburg County Solid Waste Mgt.

	А	В	С	D	Е	F	G	Н	I	J	
		Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2	D. LIDDED				0	N 41 .	OL - L		\A/: 1/1		All all all and an area
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE C - LOWER										wildlife.
4	SLOPE										
Ė	D - WATER'S										
5	EDGE										
6		IP.II. I DI I	Manada	-	MDC	01	 	Maria D	401.01	0	E (
	В	•		Evergreen	M,P,C	8'	FS	Moist, Dry	10'x6'	Seeds, seedlings, container 1 to 5 gal.	Fast growing, p
			corymbosum (V.virgata,								pocosins, pine and clearings.
			formosa)								by mammals, r
86			Tormoody								birds
	А	Creeping Blueberry	Vaccinium	Evergreen	P,C	5'	FS	Moist, Dry	2'x1'	Seeds, seedlings,	Groundcover; f
			crassifolium								soils, poccosing
											understory, and
											reptiles, insects
87		Filliatt Divide anni	\/		MDC	0,	D Chadu	Mat Maiat	4.01-01		edible to huma
			Vaccinium elliottii	⊏vergreen	M,P,C	8'	P,Shady	Wet, Moist	10'x8'		Fast growing, p
		Mayberry								container 1 to 5 gal.	streams and sv
88											mammals, rept
	Α	Huckleberry, Southern	Vaccinium	Evergreen	M,P,C	8'	FS	Moist, Dry	20'x15'	Seeds, seedlings,	Fast growing, p
		• •	stamineum	_ : 5: 9: 5 : 1	,. ,•					_	forest understo
											mammals, rept
89											

	А	В	С	D	Е	F	G	Н		J	
		Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER SLOPE				Coastal	Min.	Shade		Width		All shrubs prov wildlife.
	C - LOWER										wildlife.
4	SLOPE										
	D - WATER'S										
	EDGE										
6	A	Lowbush Blueberry	Vaccinium	Evergreen	P,C	3'	FS	Dry	1'x1'	Seeds, seedlings,	Fast growing, p
		,	tenellum	Lvergreen	,0]		Diy		container 1 to 5 gal.	understory, and
			CHORUITI							Journaline 1 to 5 gal.	reptiles, insects
90											
	A	Lowbush Blueberry	Vaccinium	Evergreen	P,C	3'	FS	Dry	1'x1'	Seeds, seedlings,	Fast growing, p
			vacillans							container 1 to 5 gal.	understory, and
											reptiles, insects
91		NA 1 1 6 7 71	\ P1	.	14.5	01		N4 : 4	01.01	0 1 11:	D
	В	•		Deciduous	M,P	6'	FS	Moist	8'x6'	Seeds, seedlings,	Deep rooted, fo
			acerifolium							container 1 gal.	in valleys, slope
92										(Cuttings are successful)	Prolific berries
$\overline{}$	В	Southern Arrowwood	Viburnum	Deciduous	M,P,C	6'	FS	Moist, Dry	10'x6'	Seeds, seedlings,	Deep rooted, w
			dentatum		,- ,-					container 1 gal.	swamps, formii
										(Cuttings are	many species (
93										successful)	,
	В	Possumhaw Viburnum	Viburnum nudum	Deciduous	M,P,C	6'	FS	Wet, Moist	16x10'	Seeds, seedlings,	Deep rooted, n
										container 1 gal.	forming thicket:
_											spegies of bird:
94					ļ	<u>l</u>			1	successful) 700 N	,

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	Α	В	С	D	Е	F	G	Н	l	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
	ZONE	***			Distance	0	Destini	O I'i'	I I a tall d		All al a l a l a
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
2	BUFFER	considered small trees									berries
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
	SLOPE				Coastai	IVIII I.	Orlade		VVIGUI		wildlife.
	C - LOWER										Wilding:
	SLOPE										
	D - WATER'S										
5 6	EDGE										
	В	Nannyberry	Viburnum	Deciduous	M,P,C	6'	FS	Wet, Moist	20'x10'	Seeds, seedlings,	Deep rooted, n
		, ,	lentago							container 1 gal.	flowers, Late su
			-							(Cuttings are	edible to huma
95	<u> </u>	D	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		1150			1	051 401	successful)	species of birds
	В	Blackhaw Viburnum	Viburnum	Deciduous	M,P,C	6'	FS	Moist	25'x16'	Seeds, seedlings,	Deep rooted, n
			prunifolium							container 1 gal.	slopes, in thick white flowers, f
96										(Cuttings are successful)	to humans.
	В	Downy Arrowwood	Viburnum	Deciduous	Р	6'	FS	Moist	20'x16'	Seeds, seedlings,	Deep rooted, rr
		•	rafinesquianum							container 1 gal.	and edges of fc
										(Cuttings are	species of birds
97	<u> </u>	D (Divili	VPI	D	D 0	01	F0	NA. '. (001 401	successful)	December
	В	Rusty Blackhaw	Viburnum rufidulum	Deciduous	P,C	6'	FS	Moist	20'x16'	Seeds, seedlings,	Deep rooted, n
			rundulum							container 1 gal. (Cuttings are	of forest, formir many species (
98										successful)	linally species (
	D	Yellowroot	Xanthorhiza	Deciduous	M,P,C	4'	P,Shade	Wet, Moist	3'x3'	Seeds, seedlings,	Deep rooted, w
			simplicissima							container 1 gal.	streambanks.
										(Cuttings are	. Ann Gill
99											Tryon St.

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	А	В	С	D	Е	F	G	Н	I	J	
		Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
	C - LOWER										
4	SLOPE										
	D - WATER'S										
5	EDGE										
6											
100	References:										
	-	M., and Barbara H. Honk					Conifers; 2. Ha	ırdwoods. Agri <mark>cul</mark>	ture Handbo	ok 654. B.S. Departn	nent of Agricultu
101	(Supersedes A	griculture Handbook 271,	, Silvics of Forest 1	rees of the U	Inited States	s, 1965)					
	Cherri Smith, F	Resource Management Sp	pecialist.1998. Plar	nting Guidelin	es: Choosir	ng the App	ropriate Trees	S, Shrubs, Herbs.	and Seeds to	o Plant in our Parks.	Department of E
102		ks and Recreation, P.O. E				J 11		, , , , , , , , , , , , , , , , , , , ,			
		t E., Ahles, Harry E. and (r Flora of t	he Carolinas	The University of	North Caroli	ina Press, Chanel Hill	L NC
		er, Karl V. Miller. 1999. Fo							=	er Printers, Inc., Aubl	urn, AL.
105	Chris Moreman	n, NC State University. E	<mark>Barnes, Thomas. 1</mark>	999. Gardenii	ng for the bi	i <mark>rds. The L</mark>	Iniversity Pres	s of Kentucky. Le	exington,		
106	;										

	А	В	С	D	E	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
	C - LOWER										
4	SLOPE										
5	D - WATER'S										
6											
	D	*Common Alder, Hazel	Alnus serrulata	Deciduous	M,P,C	5'	FS	Wet, Moist	20' -4"	Seeds, seedlings,	Forms thickets,
		or Tag Alder								containers 3 to 15	bottomlands, flo
										gal. (Cuttings are	
7										successful).	
		, , , , , , , , , , , , , , , , , , , ,		Deciduous	M,P,C	10'	FS,P	Moist, Dry	25' x 6"	Seeds, seedlings,	Ornamental, fa
		June Berry	arborea							container 1 gal.	bordering strea
											Can be found in
8											flowers, fruit in birds alike.
٣	Α	Hercules Club, Devil's	Aralia spinosa	Deciduous	M,P,C	5'	P,Shade	Moist, Wet	15'x10'	Seeds, seedlings,	Perennial; Orna
		Walking Stick, angelica			,,.		, 5116.65			1	burgendy, prefe
		Tree, Prickly Ash,								January 1 gant	thickets, strean
		Toothache Tree									Flowers-cream
											black. Bird, ma
9											·
	В	Red Chokeberry	Aronia arbutifolia	Deciduous	M,P,C	3'	FS,P	Wet, Moist	5'x4'	Seeds, seedlings,	Ornamental, fa
										container 1 gal.	bordering strea
										(Cuttings are	Tolerant of mai
										I .	. ฟิลพ ะ สุธ, Sept-F
10											pometeaten by
										Charlotte, N	'C 28202

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	А	В	С	D	Е	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
١,	C - LOWER										
4	SLOPE D - WATER'S										
5	EDGE										
6											
11	В	Black Chokeberry	Aronia melanocarpa	Deciduous	M,P,C	5'	FS,P	Wet, Moist	6'x6'	Seeds, seedlings, container 1 gal. (Cuttings are successful)	Ornamental, fa bordering strea Tolerant of mai flowers, Sept-F pome eaten by
12	А	Dwarf Pawpaw	Asimina parviflora (8 species in SE)	Deciduous	P,C	5'	FS,P	Dry, Moist	6' x4'	Seeds, seedlings, container 1 gal.	Occures on mc habitat, from cc AprMay-Flowe SeptFruits/see butterflys.
13	A	*Silverling, Eastern Baccharis	Baccharis halimifolia	Both	P,C	6'	FS	Moist ,Dry	16'x12'	Seeds, seedlings, container 1 gal. (Cuttings are successful)	Fast growing, s and female pla bordering strea shore hammoc white/silvery. O

	Α	В	С	D	Е	F	G	Н	I _	J	
		Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2	D. 110055				0 11	2.4			100		
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
١,	C - LOWER										
4	SLOPE D - WATER'S										
5	EDGE										
6											
	Α	American Beautyberry,	Callicarpa	Deciduous	P,C	3'	FS, P	Moist, Dry	8'x6'	Seeds, seedlings,	Ornamental, fa
		French mulberry,	americana							container 1 gal.	bordering strea
		Beautybush									margins, right-c
											Flowers-pinkish
											purple or white
14											mammals.
	А			Deciduous	M,P	6'	FS,P	Dry, Moist	8'x6'	Seeds, seedlings,	Ornamental ard
			floridus							container 1 gal.	forms colonies,
											sites, bottomlar
											bordering strea
											June-Flowers-r
15											Apr.Seeds. Eat
Ť	Α	*Allegheny Chinkapin	Castanea pumila	Deciduous	M,P,C	10'	FS,P	Moist	20'x12'	Seeds, seedlings,	Ornamental, fa
										container 1 to 3 gal.	sitees bordering
16											

	Α	В	С	D	Е	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
Ι.	C - LOWER										
4	SLOPE D - WATER'S										
5	EDGE										
6											
	Α	New Jersey Tea	Ceanothus	Deciduous	M,P,C	5'	FS	Moist, Dry	4'x3'	Seeds, seedlings,	Ornamental, no
			americanus 4							container 1 to 3 gal.	growing, prefer
			species in SE								margins, well d
											roadsides & sle
1											white. June-Se
17	D	*D#a.a.ba.b	Cambalanthus	Danielunus	MDC	4,	EC D	\\/_+ \\/_:_+	201-401	Coode coodlings	mammals, & bu
	D		Cephalanthus occidentalis	Deciduous	M,P,C	4'	FS,P	Wet, Moist	20'x12'	Seeds, seedlings,	Ornamental, fa
			occidentalis							container 1 gal.	bordering strea of white flowers
											fruit/seeds-butt
											ducks, songbire
18											Leaves poison
"	В	*Sweet Pepperbush,	Clethra	Deciduous	M,P	10'	FS	Moist	20'x12'	Seeds, seedlings,	Ornamental, fo
		11 /	acuminata				-				moist soils bord
		Pepperbush, Cinnamon									hardwood fores
		Clethra									Increased by d
											white/fragrant.
											spring. Eaten b
19										D.	Amse@ils.
				·	·	·	· · · · · · · · · · · · · · · · · · ·			700 N	Tm ram C4

	А	В	С	D	Е	F	G	Н	I	J	
1	RIPARIAN ZONE	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
2	A - UPLAND BUFFER	*Some shrubs can be considered small trees		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have berries
3	B - UPPER SLOPE				Coastal	Min.	Shade		Width		All shrubs prov wildlife.
4	C - LOWER SLOPE										
5	D - WATER'S										
20	В	*Sweet Pepperbush, White Alder, Summersweet	Clethra alnifolia	Deciduous	P,C	10'	FS	Moist	20'x12'	Seeds, seedlings, container 1 to 3 gal.	Ornamental, fo moist soils bord savannahs, flat bogs. Intoleran drainage and fi SeptFebFrui mammals, bee
21	A		Comptonia peregrina	Both	M,P	10'	FS	Moist, Dry	6'x6'	Seeds, seedlings, container 1 to 3 gal.	Fast growing, p woods, abandc
22	А		Comptonia cerifera	Evergreen	P,C	10'	FS	Moist, Dry	20'x15'	Seeds, seedlings, container 1 to 3 gal.	Fast growing, p woods, abandc High value wint
	В	Silky Dogwood, Bush Dogwood	Cornus amomum	Deciduous	M,P,C	10'	FS,P	Wet, Moist	10'x 8'	Seeds, seedlings, container 1 to 3 gal.	Fast growing, p streams, swam

	А	В	С	D	Е	F	G	Н	I	J	
1	RIPARIAN ZONE	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
2	A - UPLAND BUFFER	*Some shrubs can be considered small trees		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have berries
3	B - UPPER SLOPE				Coastal	Min.	Shade		Width		All shrubs prov wildlife.
4	C - LOWER SLOPE										
5	D - WATER'S										
24	С	Swamp Dogwood	Cornus stricta	Deciduous	P,C	10'	FS, P	Wet, Moist	10'x8'	Seeds, seedlings, container 1 to 3 gal.	Fast growing, p
25	A		Corylus americana	Deciduous	M,P,C	10'	FS	Moist	15' x10'	-	Ornamental, for slightly acidic s dry sites border forests, pasture male catkins- y Eaten by huma
26	А	*Beaked Hazelnut	Corylus cornuta	Deciduous	M,P	10'	FS	Dry, Moist	15' x10'	-	Ornamental, for slightly acidic s dry sites border forests, pasture male catkins- y Eaten by huma

	Α	В	С	D	E	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE			_							
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2	B - UPPER				Coastal	Min.	Shade		Width		All obruba prov
3	SLOPE				Coasiai	IVIII I.	Shaue		vvidtri		All shrubs prov wildlife.
٣	C - LOWER										wildlife.
4	SLOPE										
	D - WATER'S										
5 6	EDGE										
٣	Α	*Summer Haw, Yellow	Crateagus flava	Deciduous	P,C	20'	FS	Dry, Moist	T,S -1-3'	Seeds, seedlings,	Ornamental, fo
			(56 species in	200.0000	. , •			2.,,	1,,0	containers 3 to 15	thorns, strong r
			SE)							gal.	sites, streamba
			,								right-of-ways, ε
											OctRed Pom€
27			_								songbirds.
	Α		_	Deciduous	M,P,C	20'	FS	Moist	T,S -1-3'	Seeds, seedlings,	Ornamental-crc
			spathulata (56							containers 3 to 15	colonies/thicke
			species in SE)							gal.	system, prefers bottonlands, m
											OctDecRed
28											birds, & songbi
<u> </u>	Α	*Dwarf Hawthorn, One	Crateagus	Deciduous	P,C	20'	FS	Dry	T,S -1-3'	Seeds, seedlings,	Ornamental, fo
		′	uniflora (56						,	containers 3 to 15	thorns, strong r
			species in SE)							gal.	forests & margi
											May-Flowers-w
											mammals, garr
29											Ann Gill

	А	В	С	D	E	F	G	Н	I	J	
		Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
	C - LOWER										
4	SLOPE										
۱,	D - WATER'S										
5 6	EDGE										
10	I A	*Parsley Hawthorn	Crateagus	Deciduous	M,P,C	20'	FS	Wet, Moist	T,S -1-3'	Seeds, seedlings,	Ornamental, fo
	A	•	marshallii (56 species in SE)	Deciduous	IVI,F,O	20	T	vvet, Moist	1,3 -1-3	containers 3 to 15 gal.	thorns, strong r sites, streamba AprMay-Flow Eaten by mami
30											
31	С	Leatherwood, Swamp Cyrilla, He-huckberry	racemiflora		С	20'	FS	Wet, Moist	T, S-1-3	Seeds, seedlings, containers 3 to 15 gal.	Fast growing, for sites, stream multiple flatwoods depropriate stands. Deep rought fragrant, Septbutterfly nectar
	А	Bush Honeysuckle	Diervilla	Deciduous	М	5'	FS	Dry	5'x5'	Seeds, seedlings,	Fast growing, p
32			sessilifolia							container 1 to 3 gal.	

	Α	В	С	D	Е	F	G	Н	l	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
	C - LOWER										
4	SLOPE										
5	D - WATER'S										
6	ED (SE										
	В	Hearts A'Bustin,	Euonymus	Both	M,P,C	5'	FS,P	Wet, Moist	6'x4'	Seeds, seedlings,	Ornamental, fa
		Strawberry Bush,	americanus							container 1 to 3 gal.	including bottor
		Burning Bush, Bursting-									& mixed forests
		heart									green. SeptDo
											deer, mammals
											shade but mos
33					_		_			_	_
	A		_	Deciduous	P,C	5'	FS,P	Dry, Moist	8'x4'	Seeds, seedlings,	Occures on mc
		Indian Cherry, Pole-Cat-	caroliniana							container 1 to 3 gal.	habitat, new fo
		Tree									open hardwood
											Flowers-greeni
											Berry/seeds. E
34	Λ	*\//intorgroop	Coulthoria	Evergreen	MDC	5'	D Shada	Dry Moiet	EVE	Soods coodlings	Foot growing n
	Α	0		Evergreen	M,P,C	၂၁	P,Shade	Dry, Moist	5x5	Seeds, seedlings,	Fast growing, p
35			procumbens							container 1 to 3 gal.	

	Α	В	С	D	Е	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
	C - LOWER										
4	SLOPE										
5	D - WATER'S										
6	EDGE										
٣	A	Black Huckleberry	Gaylussacia	Deciduous	M,P,C	5'	FS	Moist, Dry	5'x5'	Seeds, seedlings,	Excellent Grou
	,		baccata (6	200.0000	,. ,0					1	to moist soils ir
			species in SE)							Journal Program	woodlands. Ma
			op co.co c=,								Berry eaten by
36										I .	butterflys.
	Α	Dwarf Huckleberry,	Gaylussacia	Both	M,P,C	2'	FS	Moist, Dry	2'x2'		Excellent Grou
		· · · · · · · · · · · · · · · · · · ·	dumosa(6								sandy soils of r
		, ,	species in SE)								elevation pine f
			, ,								Flowers-white.
37											mammals, rept
	А	Blue Huckleberry,	Gaylussacia	Deciduous	P,C	5'	FS	Moist, Dry	5'x5'	Seeds, seedlings,	Excellent Grou
		Dandleberry	frondosa (6							container 1 to 3 gal.	and well-draine
			species in SE)								bays, shrub bo
											Flowers-white.
											mammals, rept
38											·

	A	В	С	D	Е	F	G	Н	I	J	
1	RIPARIAN ZONE	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
	A - UPLAND	*Some shrubs can be considered small trees		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have berries
	B - UPPER SLOPE				Coastal	Min.	Shade		Width		All shrubs prov wildlife.
4	C - LOWER SLOPE										
	D - WATER'S										
39	A		Gaylussacia ursina (6 species in SE)	Deciduous	M,P,C	5'	FS	Moist, Dry	5'x5'	Seeds, seedlings, container 1 to 3 gal.	Excellent Grouto moist soils in woodlands. Ma Berry eaten by butterflys.
40	A		Hamamelis virginiana	Deciduous	M,P,C	10'	FS,P	Moist	20'x15'	Seeds, seedlings, container 1 to 3 gal.	Ornamental, ca sites, open to s plant in mixed f margins & bord yellow. OctNo & pollinated by
		•	Hibiscus moscheutos	Deciduous	P,C	8'	FS	Wet, Moist	6'x4'	Seeds, seedlings, container 1 to 5 gal.	Fast growing, p streams, marsh June-OctFlow Aug-Nov. Bird

	А	В	С	D	Е	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE									·	
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
	C - LOWER										
4	SLOPE										
5	D - WATER'S										
6	FDGE										
	В	Wild Hydrangea,	Hydrangea	Deciduous	M,P	5'	FS,P,Shade	Moist	6'x5'	Seeds, seedlings,	Ornamental, fa
		, <u> </u>	arborescens	200144043	,.	Ĭ	. 5,1 ,511446			1	mostly in rocky
		Sevenbark, Mountain	and or occorrio							Containor i to o gai.	streams or mix
		Hydrangea									a vine. May-Jul
		, a. agea									Eaten by mamı
42											& butterflys.
	В	Oak-leaf Hydrangea	Hydrangea	Deciduous	M,P	5'	FS,P,Shade	Moist	6'x5'	Seeds, seedlings,	Ornamental, fa
		, ,	quercifolia							_	shady habitats,
			'							Ĭ	forests, borderi
											July-Flowers-w
											mammals, gar
43											butterflys
			,	Evergreen	P,C	5'	FS,P	Wet, Moist, Dry	18'x15'	Seeds, seedlings,	Ornamental, fo
			species in SE)							container 1 to 3 gal.	understory shru
		Inkberry									soils bordering
											woods, & swan
											FebFruit-blacl
											mammals & ins
44											Ann Gill
										700 N. ⁻	Tryon St

	А	В	С	D	Е	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2	D. HIDDED				0				100		A.II
3	B - UPPER SLOPE				Coastal	Min.	Shade		Width		All shrubs prov wildlife.
4	C - LOWER SLOPE										
	D - WATER'S										
5	EDGE										
6	I A	*Possumhaw	llex decidua (13	Deciduous	P,C	8'	FS,P,Shade	Dry	25'x15'	Seeds, seedlings,	Ornamental, fo
			species in SE)	Deciduous	F,C	0	rs,r,snaue	р П	25 8 15		understory shru
			species in or,							Container 1 to 5 gai.	soils bordering
											forests, low wo
											Flowers-white.
											songbirds, gam
45											
	Α			Evergreen	С	10'	P, Shade	Dry, Moist, Wet	10'x8'	Seeds, seedlings,	Ornamental, fo
		3.	species in SE)							container 1 to 5 gal.	understory shru
		Winterberry									prefers acidic s
											woodlands, pod
											June-Flowers-v
46											by songbirds, g
+0	Α	*American Holly	llex opaca (13	Evergreen	P,C	20'	FS,P,Shade	Dry	25'x15'	Seeds, seedlings,	Ornamental, fa
		,	species in SE)		. , •		2,. ,2	,		_	mixed upland 8
											soils. May-June
											Fruit. Eaten by
47											Amsectis/bees.
					•					700 N. 7	

	А	В	С	D	Е	F	G	Н	Į.	J	
		Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
1 1	BUFFER	considered small trees									berries
2	D. LIDDED				0	N 41 .	OL - L		107 : 101		All al al a la access
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE C - LOWER										wildlife.
4	SLOPE										
Ė	D - WATER'S										
5	EDGE										
6	· -										
48	Α	•	Ilex verticillata (13 species in SE)	Deciduous	M,P,C	8'	FS,P	Wet, Moist	10'x6'	Seeds, seedlings, container 1 to 5 gal.	Ornamental, fo understory shru soils bordering June-Flowers-v songbirds, gam
49	A		Ilex vomitoria (13 species in SE)	Evergreen	P,C	8'	FS	Moist, Dry	15'x10'	Seedlings, container 3 to 15 gal.	Ornamental, fo understory shruprefers acidic s fields, open for May-June-Flow Eaten by songk insects/bees.
		Virginia Willow, Sweetspire, Tassel- white, Washington Plume	Itea virginica	Deciduous	P,C	8'	FS,P, Shade	Wet, Moist	8'x6'	container 1 to 5 gal.	Ornamental, fa edge of stream low woodlands white. July-Feb butterflys & ins

A UPLAND Some shrubs can be considered small trees B - UPPER S LOPE C - LOWER 4 SLOPE D - WATER'S FINGE A Mountain Laurel, Mountain Ivy, Calico Bush, Spoonwort A Sheep Laurel, Lamb Kill, Wicky A Sheep Laurel, Lamb Kill, Wicky C - Coastal Dog-Hobble Leucothoe Evergreen C 6' P,Shade Wet, Moist 6'x5' Seeds, seedlings, container 1 to 5 gal. Infrequence with the part of the part	A	В	С	D	Е	F	G	Н	I	J	
A UPPER SUOPE SUOP		Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
B- UPPER 3 SLOPE C- LOWER 4 SLOPE SL											
B - UPPER 3 SLOPE C - LOWER SLOPE D - WATER'S FORE 6 A Mountain Laurel, Mountain Ivy, Calico Bush, Spoonwort				Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
B - UPPER SLOPE C - LOWER SLOPE D - WATER'S EDGE A Mountain Laurel, Mountain Ivy, Calico Bush, Spoonwort A Sheep Laurel, Lamb Kill, Wicky Shirds A Sheep Laurel, Lamb Kill, Wicky C C Coastal Dog-Hobble C C Coastal Dog-Hobble C C Coastal Dog-Hobble C C Coastal Dog-Hobble C C Coastal Min. Shade Width Min. Shade Wet, Moist Seeds, seedlings, container 1 to 5 gal. In dens Infrequent Company Seeds, seedlings, container 1 to 5 gal. In dens Infrequent Company Seeds, seedlings, container 1 to 5 gal. In dens Infrequent Company Seeds, seedlings, container 1 to 5 gal. In dens Infrequent Company Seeds, seedlings, container 1 to 5 gal. In dens Infrequent Company Seeds, seedlings, container 1 to 5 gal. In dens Infrequent Company Seeds, seedlings, container 1 to 5 gal. In dens Infrequent Company Seeds, seedlings, container 1 to 5 gal. In dens Infrequent Company Seeds, seedlings, container 1 to 5 gal. In dens Infrequent Company Seeds, seedlings, container 1 to 5 gal. In dens Infrequent Company Seeds, seedlings, container 1 to 5 gal. In dens Infrequent Company Seeds, seedlings, container 1 to 5 gal. In dens Infrequent Company Seeds, seedlings, container 1 to 5 gal. In dens Infrequent Company Seeds, seedlings, container 1 to 5 gal. In dens Infrequent Company Seeds, seedlings, container 1 to 5 gal. In dens Infrequent Company Seeds, seedlings, container 1 to 5 gal. In dens Infrequent Company Seeds, seedlings, container 1 to 5 gal. In dens Infrequent Company Seeds, seedlings, container 1 to 5 gal. In dens Infrequent Company Seeds, seedlings, container 1 to 5 gal. In dens Infrequent Company Seeds, seedlings, container 1 to 5 gal. In dens Infrequent Company Seeds, seedlings, container 1 to 5 gal. In dens Infrequent Company Seeds, seedlings, container 1 to 5 gal. In dens Infrequent Company Seeds, seedlings, container 1 to 5 gal. In dens Infrequent Company Seeds, s		considered small trees									berries
SLOPE C - LOWER SLOPE C - LOWER SLOPE C - LOWER SLOPE C - LOWER SLOPE D - WATER'S FIGE A Mountain Laurel, Mountain Ivy, Calico Bush, Spoonwort A Sheep Laurel, Lamb Kill, Wicky Seeds, seedlings, container 1 to 5 gal. in dens infrequent Lower I white/p & hirds C - Lower I will frequent Lower I white/p & hirds Evergreen P,C FS,P, Shade Wet, Moist FS,P, Shade Fy, Shade											
C - LOWER SLOPE D - WATER'S FORE A Mountain Laurel, Mountain Ivy, Calico Bush, Spoonwort A Sheep Laurel, Lamb Kill, Wicky A Sheep Laurel, Lamb Cornamic augustifolia augustifolia augustifolia var. caroliniana Evergreen P,C 5' P,Shade Wet, Moist 6'x5' Seeds, seedlings, container 1 to 5 gal. in dens in dens in frequence white/p Abirds container 1 to 5 gal. Infrequence white/p Abirds container 1 to 5 gal. Evergreen P,C 5' P,Shade Wet, Moist 6'x5' Seeds, seedlings, container 1 to 5 gal. Infrequence white/p Abirds container 1 to 5 gal. Infrequence white/p Abirds container 1 to 5 gal. Evergreen P,C 5' P,Shade Wet, Moist 6'x4' Seedlings, container 1 to 5 gal. Infrequence white/p Abirds container 1 to 5 gal. Evergreen P,C 5' P,Shade Wet, Moist 6'x4' Seedlings, Container 1 to 5 gal. Evergreen P,C 5' P,Shade Wet, Moist 6'x4' Seedlings, Container 1 to 5 gal. Evergreen P,C 5' P,Shade Wet, Moist 6'x4' Seedlings, Container 1 to 5 gal. Evergreen P,C 5' P,Shade Wet, Moist 6'x4' Seedlings, Container 1 to 5 gal. Evergreen P,C 5' P,Shade Wet, Moist 6'x4' Seedlings, Container 1 to 5 gal.		₹			Coastal	Min.	Shade		Width		All shrubs prov
SLOPE D - WATER'S EDGE A Mountain Laurel, Mountain Ivy, Calico Bush, Spoonwort A Sheep Laurel, Lamb Kill, Wicky Seeds, seedlings, Container 1 to 5 gal. Infrequence of the spiral of		D									wildlife.
D - WATER'S EDGE A Mountain Laurel, Mountain Ivy, Calico Bush, Spoonwort A Sheep Laurel, Lamb Kill, Wicky Kalmia augustifolia var. caroliniana Evergreen P,C FS,P, Shade Wet, Moist 6'x5' Seeds, seedlings, container 1 to 5 gal. Infrequence with the possible of the po		R									
A Mountain Laurel, Mountain Ivy, Calico Bush, Spoonwort A Sheep Laurel, Lamb Kill, Wicky A Sheep Laurel, Lamb Kill, Wicky C Coastal Dog-Hobble C Coastal Dog-Hobble Leucothoe Evergreen C C C C C C C C C		P'S									
A Mountain Laurel, Mountain Ivy, Calico Bush, Spoonwort Kalmia latifolia Evergreen M,P 5' FS,P, Shade Wet, Moist 6'x5' Seeds, seedlings, container 1 to 5 gal. Infrequence of the spoonwort of th		NO.									
Mountain Ivy, Calico Bush, Spoonwort Sheep Laurel, Lamb Kill, Wicky Sheep Laurel, Lamb Kill, Wicky Container 1 to 5 gal. Evergreen P,C S' P,Shade Wet, Moist Seeds, seedlings, container 1 to 5 gal. Infrequence of the seedlings of the seedl											
Bush, Spoonwort Bush Bush Bush Bush Bush Bush Bush Bush	Α	•	Kalmia latifolia	Evergreen	M,P	5'	FS,P, Shade	Wet, Moist	6'x5'	1	Ornamental, fo
Sheep Laurel, Lamb Kalmia Evergreen P,C 5' P,Shade Wet, Moist 6'x5' Seeds, seedlings, container 1 to 5 gal. Infrequence Formula Form		•								container 1 to 5 gal.	in dense thicke
Sheep Laurel, Lamb Kalmia Evergreen P,C 5' P,Shade Wet, Moist 6'x5' Seeds, seedlings, Container 1 to 5 gal. Infrequence Formula Form		Bush, Spoonwort									Infrequent alon
A Sheep Laurel, Lamb Kalmia augustifolia var. caroliniana											Lower Pd & Cp
A Sheep Laurel, Lamb Kalmia augustifolia var. caroliniana	4										white/pink. Sep
Kill, Wicky augustifolia var. caroliniana caroliniana C C Coastal Dog-Hobble Leucothoe Evergreen C Container 1 to 5 gal. in dens Infreque Lower B white/p & birds. C P,Shade Wet, Moist 6'x4' Seedlings, Orname		Sheep Laurel Lamb	Kalmia	Evergreen	P C	5'	P Shade	Wet Moist	6'x5'	Seeds seedlings	Ornamental, fo
caroliniana Infrequence Lower Form Caroliniana Carolini	['`	• · · · · · · · · · · · · · · · · · · ·		2 101910011	,0		,511445	1100, 1110100		_	in dense thicke
Lower F white/p & birds C Coastal Dog-Hobble Leucothoe Evergreen C 6' P,Shade Wet, Moist 6'x4' Seedlings, Orname		,	•							gan	Infrequent alon
52											Lower Pd & Cp
52Coastal Dog-HobbleLeucothoeEvergreenC6'P,ShadeWet, Moist6'x4'Seedlings,Orname											white/pink. Sep
											& birds.
	C	Coastal Dog-Hobble	Leucothoe	Evergreen	C	6'	P,Shade	Wet, Moist	6'x4'	1	Ornamental, fo
			axillaris							container 3 to 15	prefers wet to r
	_									,•	woodlands, mix
	C	Dog-Hobble		Evergreen	M,P	6'	P,Shade	Wet, Moist	6'x4'	_	Ornamental, fo
			editorum								wet to moist so
54 gal. woodla	4									gal.	woodlands, mix

F					E		G	Н	•	1	
1 7	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
	ZONE										
F	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
<mark>E</mark>	BUFFER	considered small trees									berries
2											
	B - UPPER SLOPE				Coastal	Min.	Shade		Width		All shrubs prov wildlife.
	C - LOWER										Wilding:
4 5	SLOPE										
	D - WATER'S										
	EDGE										
6	C	Fetterbush, Sweetbells	Leucothoe	Evergreen	P,C	6'	P,Shade	Wet, Moist	6'x4'	Seedlings,	Ornamental, fo
	-	retterbush, Sweetbells	racemosa	Evergreen	F,C	l ^o	r,Shaue	Wet, Moist	0 14	container 3 to 15	wet to moist so
			Tacemosa								wer to moist so woodlands, bog
55 E	Ω	Spicebush	Lindera benzoin	Deciduous	M,P,C	5'	P,Shade	Wet, Moist	6'x5'	Seeds, seedlings,	Ornamental, fa
'	D .	Spicebusii	Lindera benzoin	Deciduous	IVI,F,C]3	r,Shaue	TVVEL, IVIOISE	0 23		bordering strea
										Container 1 to 5 gai.	aromatic. Eater
56											insects.
E	В	Male-Berry, Male-	Lyonia ligustrina	Deciduous	P,C	10'	FS, P	Wet, Moist	10'x8'	Seeds, seedlings,	Ornamental, fa
		•	(5 species in SE)		, ,					_	bordering strea
57		,	(mammals, bird
	С	Fetterbush	Lyonia lucida (5	Deciduous	P,C	5'	FS,P	Wet, Moist	6'x5'	Seeds, seedlings,	Ornamental, fa
			species in SE)							container 1 to 5 gal.	bordering strea
58			·								mammals, bird
P	Ą	*Southern Wax Myrtle,	Myrica cerifera 5	Evergreen	P,C	10'	FS,P	Dry, Moist	25'x20'	Container, 1 to 3	Non-legume nit
		Bayberry, Candleberry	species in SE							gal.	hedge, spreads
											roadsides, ditcl
											used to repell i
										_	gamebirds, sor
59											Ann Gill Tryon St.

	A	В	С	D	Е	F	G	Н	I _	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2	D. LIDDED				0 11	D. 41) A (' 141		
3	B - UPPER SLOPE				Coastal	Min.	Shade		Width		All shrubs prov wildlife.
4	C - LOWER SLOPE										
	D - WATER'S										
5	EDGE										
6	A	Ninebark	Physocarpus	Deciduous	M,P,C	10'	FS,P	Moist, Wet	10'x8'	Seeds, seedlings,	Occures along
	^		opulifolius	Deciduous	IIVI,F,C	10		INIOISI, WEI	10 80	container 1 to 5 gal.	& moist cliffs. A
			Opulliolius							Journaline 1 to 5 gal.	Seeds. Eaten t
60											Coodo: Edion t
	А	Pasture Rose, Carolina	Rosa carolina	Deciduous	M,P,C	5'	FS	Moist, Dry	3'x3'	Seeds, seedlings,	Fast growing, p
		Rose								container 1 to 5 gal.	open woodland
61											
	А		Rhododendron	Deciduous	P,C	6'	FS	Moist, Dry	6'x3'	Seeds, seedlings,	Fast growing, p
			atlanticum							container 1 to 5 gal.	woods and sav
62	D		Dhadada: dis	Daaidoo	MD	01	EC D	Majet Des	401.01	Coods	Bird and butter
	В		Rhododendron	Deciduous	M,P	8'	FS,P	Moist, Dry	12'x8'	Seeds, seedlings,	Fast growing, p
			calendulaceum							container 1 to 5 gal.	streams, low wand butterfly fo
63	A	Catawba Rhododendron	Rhododendron	Deciduous	M,P	10'	FS	Moist, Dry	15'x10'	Seeds, seedlings,	Fast growing, p
			catawbiense	Deciduous	1171,1		' \	INIOISI, DIY	13 7 10	1	slopes, ridges a
64										Joshamor 1 to 5 gai.	Hummingbird a
	В	*Rosebay	Rhododendron	Deciduous	M,P	10'	FS	Moist	15'x10'	Seeds, seedlings,	Fast growing, p
		•	maximum		,-				1.07.10	container 1 to 5 gal.	
65		Laurel									
								1		' 700 N. '	Tryon St.

92 3/1/2013 Mecklenburg County Solid Waste Mgt.

Charlotte, NC 28202 704-336-5359 gillda@co.mecklenburg.nc.us

	A	В	С	D	E	F	G	Н	l l	J	
		Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2	D. 110050				0	2.41) A (1 1 1 1		A !! . ! . !
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE C - LOWER										wildlife.
4	SLOPE										
一	D - WATER'S										
5	FDGE										
6	(-										
	А		Rhododendron	Deciduous	M,P	6'	P, Shade	Moist, Dry	6'x3'	Seeds, seedlings,	Fast growing, p
			nudiflorum var.							container 1 to 5 gal.	woods and thic
			canescens								Bird and butter
66	С	Swamp Azalea	Rhododendron	Deciduous	M,P,C	6'	P, Shade	Wet, Moist	6'x3'	Seeds, seedlings,	Fast growing, p
		•	viscosum (R.		,,,,,,	Ĭ	, criade	TVVOL, IVIOISE		_	swamps. Bird a
67			serrulata)							Jestitalijoi i to o gali.	S. ampo. Bild c
67	A		· · · · · · · · · · · · · · · · · · ·	Deciduous	P,C	5'	FS	Dry	1' -	Seeds, seedlings,	Groundcover, f
	, ,	i ragiant Camao	Titlas aromanoa	2000000	, , ,		l [.]		['	containers	right of ways &
											FebMay-flow€
											seeds. Seeds €
68											birds.
	Α	<u> </u>	Rhus copallina	Deciduous	M,P,C	5'	FS	Moist, Dry	25' -6"	Seeds, seedlings,	Fast growing, ε
		Winged Sumac, Dwarf								containers	ways & forest r
		Sumac									flowers-greenis
											eaten by mamr
69											

	A	В	С	D	Е	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
	C - LOWER										
4	SLOPE										
_	D - WATER'S										
5 6	EDGE										
۳	A	*Smooth Sumac,	Rhus glabra	Deciduous	M,P,C	5'	FS	Moist, Dry	20' -4"	Seeds, seedlings,	Fast growing, ε
		Scarlet Sumac,	Titlus glabia	Doddada	''','' ,	Ĭ		liviolot, Diy		containers	ways & forest r
		Common Sumac									flowers-greenis
		Common Camao									eaten by mamr
70											
	А	*Staghorn Sumac,	Rhus hirta (Rhus	Deciduous	M,P	5'	FS	Moist, Dry	30' -8"	Seeds, seedlings,	Fast growing, ε
		Velvet Sumac	typhina)							containers	ways & forest r
											flowers-greenis
											eaten by mamr
71											
		,	Rosa carolina	Deciduous	M,P,C	5'	FS,P	Dry, Moist	5'x5'	Seeds, seedlings,	Fast growing, ε
		Rose								container 1 to 5 gal.	woodland bord
72		0 0	D	<u> </u>	14.5.6	4.01	F0 D 0: :	NA	01.01	0 1 "	mammals & ma
	С	Swamp Rose	Rosa palustris	Deciduous	M,P,C	10'	FS,P, Shade	Wet, Moist	8'x6'	Seeds, seedlings,	Fast Growing, I
										container 1 to 5 gal.	ponds & swam
73						<u> </u>			1.01 1.01		birds
	А			Deciduous	M,P	5'	FS	Moist, Dry	10'x10'	Seeds, seedlings,	Fast growing, p
 			Eubatus								woodlands bore
74			allegheniensis			<u> </u>					Deirdigod.

	Α	В	С	D	E	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
	ZONE										
1	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
1	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
	C - LOWER										
4	SLOPE										
_	D - WATER'S										
6	EDGE										
	A	Purple Flowering	Rubus odoratus	Deciduous	M	5'	FS	Moist, Dry	5'x5'	Seeds, seedlings,	Fast growing, p
	<i>/</i> \	Raspberry	Trabas odoratas	Decidadas	'''			liviolat, Dry	0 70	_	slopes, streaml
75		Таэрвену								_	thorns. Butterf
	В	Prairie Willow	Salix humilis	Deciduous	M,P	6'	FS	Moist	6'x5'	Seeds, seedlings,	Fast Growing, I
					,					1	streams, marsh
76											
	В	Silky Willow	Salix sericea	Deciduous	M,P	15'	FS	Moist	15'x10'	Seeds, seedlings,	Fast Growing, _I
					,					1	streams, woodl
77											
	D	Common Elderberry,	Sambucus	Deciduous	M,P,C	10'	FS	Wet, Moist	12'x10' -6"	Seeds, seedlings,	Fast growing, f
		•	canadensis					,			sites, in open h
		Elderberry, Common								(Cuttings are	flowers, Aug-O
		Elder								, ,	edible to huma
78										1	species birds.
	D	Meadowsweet & Narrow	Spiraea	Deciduous	M,P,C	10'	FS,P	Wet, Moist	8'x6'		Fast growing, p
			tomentosa &					,		1	streambanks, le
79			Spiraea alba								,
<u> </u>				l .			l .			l .	

	A	В	С	D	Е	F	G	Н	l l	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
	C - LOWER										
4											
5	D - WATER'S										
6											
	С	Virginia Stewartia, Silky	Stewartia	Deciduous	P,C	10'	FS,P,Shade	Moist	8'x6'	Seeds, seedlings,	Fast growing, p
			malacodendron							1	streambanks, l
80											·
	С	Mountain Stewartia	Stewartia ovata	Deciduous	M,P	10'	FS,P,Shade	Moist	8'x6'	Seeds, seedlings,	Fast growing, p
											streambanks, l
81										Ĭ	,
	А	American Snowbell	Styrax	Deciduous	P,C	8'	FS,P	Moist, Dry	6'x5'	_	Fast growing, p
			americana							container 1 to 5 gal.	woods, mixed f
82											
	А	Bigleaf Snowbell	Styrax grandifolia	Deciduous	P,C	8'	FS,P	Moist, Dry	6'x5'	_	Fast growing, p
										container 1 to 5 gal.	woods, mixed f
83											
	А	Sparkleberry		Evergreen	P,C	8'	FS,P	Moist, Dry	25'x15'	_	Fast growing, p
			arboreum								upland, forest ι
											eaten by mamr
84			Manadalan	F	D 0	01	F0 D	Maria D	01.01	1	many birds.
	Α	Black Highbush		Evergreen	P,C	8'	FS,P	Moist, Dry	8'x6'	_	Fast growing, p
		Blueberry	atrococcum							container 1 to 5 gal.	Torest understo
85										700 N. 7	กินิทาลีhs. Fruit €
										700 IN.	rryon St.

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	Α	В	С	D	Е	F	G	Н	I	J	
		Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2	D. LIDDED				0	D 4:	01 1) A (* 141		A II . I
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE C - LOWER										wildlife.
4	SLOPE										
 	D - WATER'S										
5	EDGE										
6											
	В	,		Evergreen	M,P,C	8'	FS	Moist, Dry	10'x6'	Seeds, seedlings,	Fast growing, p
			corymbosum								pocosins, pine
			(V.virgata,								and clearings.
86			formosa)								by mammals, r
80		Creeping Blueberry	Vaccinium	Evergreen	P,C	5'	FS	Moist, Dry	2'x1'		hirds Groundcover; f
			crassifolium	Lvorgroom	,,,			Wiolot, Bry			soils, poccosins
			oracononarri							Toomanion i to o gain	understory, and
											reptiles, insects
87											edible to huma
	С	Elliott Blueberry,	Vaccinium elliottii	Evergreen	M,P,C	8'	P,Shady	Wet, Moist	10'x8'	Seeds, seedlings,	Fast growing, p
		Mayberry		_						container 1 to 5 gal.	streams and sv
											mammals, rept
88											
				Evergreen	M,P,C	8'	FS	Moist, Dry	20'x15'	Seeds, seedlings,	Fast growing, p
		Gooseberry	stamineum							1	forest understo
											mammals, rept
89											Ann Cill

	А	В	С	D	Е	F	G	Н		J	
		Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER SLOPE				Coastal	Min.	Shade		Width		All shrubs prov wildlife.
	C - LOWER										wildlife.
4	SLOPE										
	D - WATER'S										
	EDGE										
6	A	Lowbush Blueberry	Vaccinium	Evergreen	P,C	3'	FS	Dry	1'x1'	Seeds, seedlings,	Fast growing, p
		,	tenellum	Lvergreen	,0]		Diy		container 1 to 5 gal.	understory, and
			CHORUITI							Journaline 1 to 5 gal.	reptiles, insects
90											
	A	Lowbush Blueberry	Vaccinium	Evergreen	P,C	3'	FS	Dry	1'x1'	Seeds, seedlings,	Fast growing, p
			vacillans							container 1 to 5 gal.	understory, and
											reptiles, insects
91		NA 1 1 6 7 71	\ P1	.	14.5	01		N4 : 4	01.01	0 1 11:	D
	В	•		Deciduous	M,P	6'	FS	Moist	8'x6'	Seeds, seedlings,	Deep rooted, fo
			acerifolium							container 1 gal.	in valleys, slope
92										(Cuttings are successful)	Prolific berries
$\overline{}$	В	Southern Arrowwood	Viburnum	Deciduous	M,P,C	6'	FS	Moist, Dry	10'x6'	Seeds, seedlings,	Deep rooted, w
			dentatum		,- ,-					container 1 gal.	swamps, formii
										(Cuttings are	many species (
93										successful)	,
	В	Possumhaw Viburnum	Viburnum nudum	Deciduous	M,P,C	6'	FS	Wet, Moist	16x10'	Seeds, seedlings,	Deep rooted, n
										container 1 gal.	forming thicket:
_											spegies of bird:
94					ļ	<u>l</u>			1	successful) 700 N	,

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	A	В	С	l D	Е	F	G	Н	1	1	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE	Common Name	Dotailleal Name	Deciduous	Widumalii	Trate of	ir dir Suri,	Con Worsture	iviax.	Joeea production	Deficitio, Flabiti
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees		Ü			·		3 7		berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
	C - LOWER										
4	SLOPE										
5	D - WATER'S										
6	FDGE										
	В	Nannyberry	Viburnum	Deciduous	M,P,C	6'	FS	Wet, Moist	20'x10'	Seeds, seedlings,	Deep rooted, m
		l talling bolly	lentago	Booladodo	,,,,,,,,			Trot, moiot	20 X 10	container 1 gal.	flowers, Late su
			l							(Cuttings are	edible to huma
95										successful)	species of birds
	В	Blackhaw Viburnum	Viburnum	Deciduous	M,P,C	6'	FS	Moist	25'x16'	Seeds, seedlings,	Deep rooted, n
			prunifolium							container 1 gal.	slopes, in thick
										(Cuttings are	white flowers, f
96										successful)	to humans.
	В	Downy Arrowwood	Viburnum	Deciduous	Р	6'	FS	Moist	20'x16'	Seeds, seedlings,	Deep rooted, n
			rafinesquianum							container 1 gal.	and edges of fc
										(Cuttings are	species of birds
97	D	Duate Dia alda acci	\/ibvovc	Doold	D.C	CI	 	Maiat	201/401	successful)	Doon worked
	В	Rusty Blackhaw	Viburnum	Deciduous	P,C	6'	FS	Moist	20'x16'	Seeds, seedlings,	Deep rooted, r
			rufidulum							container 1 gal.	of forest, formir
98										(Cuttings are successful)	many species (
30	D	Yellowroot	Xanthorhiza	Deciduous	M,P,C	4'	P,Shade	Wet, Moist	3'x3'	Seeds, seedlings,	Deep rooted, w
	_		simplicissima		,,,,,,,	<u> </u>	, 5.1335			container 1 gal.	streambanks.
			- Indiconna							(Cuttings are	
99										, , , D	Ann Gill Fryon St.
	•		•	•	-	•	•	•	•	Charletta N	•

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	А	В	С	D	Е	F	G	Н	I	J	
		Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
	C - LOWER										
4	SLOPE										
	D - WATER'S										
5	EDGE										
6						<u> </u>					
	References:										
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101	(Supersedes A	<mark>griculture Handbook 271</mark>	, Silvics of Forest 1	Trees of the U	Inited State	s, 1965)					
	Cherri Smith, F	Resource Management S	pecialist.1998. Plai	nting Guidelin	es: Choosi	ng the App	ropriate Trees	s, Shrubs, Herbs,	and Seeds t	o Plant in our Parks.	Department of E
		ks and Recreation, P.O. I		•				, , , , , , , , , , , , , , , , , , , ,			
		t E., Ahles, Harry E. and									
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105	Chris Moremar	n, NC State University. E	Barnes, Thomas. 1	999. Gardeni	ng for the b	irds. The U	Iniversity Pres	ss of Kentucky. Le	exington,		
106											

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	Ι Λ Ι	В	С	D	ΙE		G	Н	1 1	1 1	1
\vdash	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or			Max.	Cood production	Benefits, Habita
1	ZONE	Common Name	botanical Name	Deciduous	wountain	Rate of	Full Sun,	Soil Moisture	wax.	Seed production	benefits, Habita
\vdash	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Chaoina	Partial,	Condition:	Hoight		All shrubs have
				Evergreen	Fledifiont	Spacing	railiai,	Condition.	Height,		
	BUFFER	considered small trees									berries
2	B - UPPER				Coastal	Min.	Shade		Width		All obrubo prov
					Coasiai	IVIII).	Shade		vvidin		All shrubs prov
3	SLOPE C - LOWER										wildlife.
1	SLOPE										
+	D - WATER'S										
5	EDGE										
6											
	D	*Common Alder, Hazel	Alnus serrulata	Deciduous	M,P,C	5'	FS	Wet, Moist	20' -4"	Seeds, seedlings,	Forms thickets,
		or Tag Alder								containers 3 to 15	bottomlands, flo
										gal. (Cuttings are	
7										successful).	
	Α	, , , , , , , , , , , , , , , , , , ,		Deciduous	M,P,C	10'	FS,P	Moist, Dry	25' x 6"	Seeds, seedlings,	Ornamental, fa
		June Berry	arborea							container 1 gal.	bordering strea
											Can be found i
											flowers, fruit in
8		Hamarilaa Olish Davidh	A malia amina a a	Daaidoo	MDC	[D Charle	Maint Mat	4.51,4.01	Coods of alliant	birds alike.
	Α	,	Aralia spinosa	Deciduous	M,P,C	5'	P,Shade	Moist, Wet	15'x10'	Seeds, seedlings,	Perennial; Orna
		Walking Stick, angelica								container 1 gal.	burgendy, prefe
		Tree, Prickly Ash,									thickets, strean
		Toothache Tree									Flowers-cream
9											black. Bird, ma
 	В	Red Chokeberry	Aronia arbutifolia	Deciduous	M,P,C	3'	FS,P	Wet, Moist	5'x4'	Seeds, seedlings,	Ornamental, fa
		Trea Chorenens		Peciagons	101,1 ,0] 3,1	VVGI, IVIUISI	J ^4	container 1 gal.	bordering strea
										(Cuttings are	Tolerant of mai
											มืดพ e ris, Sept-F
10											ротеленты Протеленты
10					<u> </u>		1			Charlotte, N	

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	А	В	С	D	E	F	G	Н	ı	J	
1	RIPARIAN ZONE	Common Name	Botanical Name		Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
2	A - UPLAND BUFFER	*Some shrubs can be considered small trees		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have berries
3	B - UPPER SLOPE				Coastal	Min.	Shade		Width		All shrubs prov wildlife.
4	C - LOWER SLOPE										
5	D - WATER'S										
11	В	Black Chokeberry	Aronia melanocarpa	Deciduous	M,P,C	5'	FS,P	Wet, Moist	6'x6'	Seeds, seedlings, container 1 gal. (Cuttings are successful)	Ornamental, fa bordering strea Tolerant of mai flowers, Sept-F pome eaten by
12	A	,	Asimina parviflora (8 species in SE)	Deciduous	P,C	5'	FS,P	Dry, Moist	6' x4'	Seeds, seedlings, container 1 gal.	Occures on mc habitat, from cc AprMay-Flowe SeptFruits/see butterflys.
13	А	*Silverling, Eastern Baccharis	Baccharis halimifolia	Both	P,C	6'	FS	Moist ,Dry	16'x12'	Seeds, seedlings, container 1 gal. (Cuttings are successful)	Fast growing, s and female pla bordering strea shore hammoc white/silvery. O

	Α	В	С	D	Е	F	G	Н	I _	J	
		Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2	D. 110055				0 11	2.4			100		
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
١,	C - LOWER										
4	SLOPE D - WATER'S										
5	EDGE										
6											
	Α	American Beautyberry,	Callicarpa	Deciduous	P,C	3'	FS, P	Moist, Dry	8'x6'	Seeds, seedlings,	Ornamental, fa
		French mulberry,	americana							container 1 gal.	bordering strea
		Beautybush									margins, right-c
											Flowers-pinkish
											purple or white
14											mammals.
	А			Deciduous	M,P	6'	FS,P	Dry, Moist	8'x6'	Seeds, seedlings,	Ornamental ard
			floridus							container 1 gal.	forms colonies,
											sites, bottomlar
											bordering strea
											June-Flowers-r
15											Apr.Seeds. Eat
Ť	Α	*Allegheny Chinkapin	Castanea pumila	Deciduous	M,P,C	10'	FS,P	Moist	20'x12'	Seeds, seedlings,	Ornamental, fa
										container 1 to 3 gal.	sitees bordering
16											

	Α	В	С	D	Е	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
	C - LOWER										
4	SLOPE										
5	D - WATER'S										
6	FINAL										
٣		New Jersey Tea	Ceanothus	Deciduous	M,P,C	5'	FS	Moist, Dry	4'x3'	Seeds, seedlings,	Ornamental, no
		_	americanus 4	Dooladodo	''', ''			Wiolot, Bry	1 70	container 1 to 3 gal.	growing, prefer
			species in SE							Containor i to o gai.	margins, well d
			000000 111 02								roadsides & sle
											white. June-Se
17											mammals, & bu
	D	*Buttonbush	Cephalanthus	Deciduous	M,P,C	4'	FS,P	Wet, Moist	20'x12'	Seeds, seedlings,	Ornamental, fa
			occidentalis							container 1 gal.	bordering strea
											of white flowers
											fruit/seeds-butt
											ducks, songbire
18											Leaves poisono
	В		Clethra	Deciduous	M,P	10'	FS	Moist	20'x12'	Seeds, seedlings,	Ornamental, fo
		•	acuminata							container 1 to 3 gal.	moist soils bord
		Pepperbush, Cinnamon									hardwood fores
		Clethra									Increased by d
											white/fragrant.
											spring. Eaten b
19											Anseeils. Tryon St.

	А	В	С	D	Е	F	G	Н	I	J	
1	RIPARIAN ZONE	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
2	A - UPLAND BUFFER	*Some shrubs can be considered small trees		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have berries
3	B - UPPER SLOPE				Coastal	Min.	Shade		Width		All shrubs prov wildlife.
4	C - LOWER SLOPE										
5	D - WATER'S										
20	В	*Sweet Pepperbush, White Alder, Summersweet	Clethra alnifolia	Deciduous	P,C	10'	FS	Moist	20'x12'	Seeds, seedlings, container 1 to 3 gal.	Ornamental, fo moist soils bord savannahs, flat bogs. Intoleran drainage and fi SeptFebFrui mammals, bee
21	A		Comptonia peregrina	Both	M,P	10'	FS	Moist, Dry	6'x6'	Seeds, seedlings, container 1 to 3 gal.	Fast growing, p woods, abandc
22	А		Comptonia cerifera	Evergreen	P,C	10'	FS	Moist, Dry	20'x15'	Seeds, seedlings, container 1 to 3 gal.	Fast growing, p woods, abandc High value wint
	В	Silky Dogwood, Bush Dogwood	Cornus amomum	Deciduous	M,P,C	10'	FS,P	Wet, Moist	10'x 8'	Seeds, seedlings, container 1 to 3 gal.	Fast growing, p streams, swam

	А	В	С	D	E	F	G	Н	Į.	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
1,	C - LOWER										
4	SLOPE D - WATER'S										
5	EDGE										
6											
	С	Swamp Dogwood	Cornus stricta	Deciduous	P,C	10'	FS, P	Wet, Moist	10'x8'	Seeds, seedlings,	Fast growing, p
										container 1 to 3 gal.	streams, swam
24											
	A		-	Deciduous	M,P,C	10'	FS	Moist	15' x10'		Ornamental, fc
		Hazelnut	americana							_	slightly acidic s
											dry sites borde
											forests, pasture
											male catkins- y
25											Eaten by huma
23	Α	*Beaked Hazelnut	Corylus cornuta	Deciduous	M,P	10'	FS	Dry, Moist	15' x10'	Seeds, seedlings,	Ornamental, fc
	[]	Doanou Flazoniat	201 yido comidia	2000000	,1			2.3, 1410100	0 710		slightly acidic s
											dry sites borde
											forests, pasture
											male catkins- y
											Eaten by huma
26											Laton by nama

	Α	В	С	D	E	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE			_							
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2	B - UPPER				Coastal	Min.	Shade		Width		All obruba prov
3	SLOPE				Coasiai	IVIII I.	Shaue		vvidtri		All shrubs prov wildlife.
٣	C - LOWER										wildlife.
4	SLOPE										
	D - WATER'S										
5 6	EDGE										
٣	Α	*Summer Haw, Yellow	Crateagus flava	Deciduous	P,C	20'	FS	Dry, Moist	T,S -1-3'	Seeds, seedlings,	Ornamental, fo
			(56 species in	200.0000	. , •			2.,,	1,,0	containers 3 to 15	thorns, strong r
			SE)							gal.	sites, streamba
			,								right-of-ways, ε
											OctRed Pom€
27			_								songbirds.
	Α		_	Deciduous	M,P,C	20'	FS	Moist	T,S -1-3'	Seeds, seedlings,	Ornamental-crc
			spathulata (56							containers 3 to 15	colonies/thicke
			species in SE)							gal.	system, prefers bottonlands, m
											OctDecRed
28											birds, & songbi
<u> </u>	Α	*Dwarf Hawthorn, One	Crateagus	Deciduous	P,C	20'	FS	Dry	T,S -1-3'	Seeds, seedlings,	Ornamental, fo
		′	uniflora (56						,	containers 3 to 15	thorns, strong r
			species in SE)							gal.	forests & margi
											May-Flowers-w
											mammals, garr
29											Ann Gill

	А	В	С	D	Е	F	G	Н	I	J	
1	RIPARIAN ZONE	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
2	A - UPLAND BUFFER	*Some shrubs can be considered small trees		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have berries
3	B - UPPER SLOPE				Coastal	Min.	Shade		Width		All shrubs prov wildlife.
4	C - LOWER SLOPE										
5	D - WATER'S										
6											
30	A	-	marshallii (56 species in SE)		M,P,C	20'	FS	Wet, Moist	T,S -1-3'	Seeds, seedlings, containers 3 to 15 gal.	Ornamental, fo thorns, strong r sites, streamba AprMay-Flow Eaten by mamı
31			Cyrilla racemiflora	Both	С	20'	FS	Wet, Moist	T, S-1-3	Seeds, seedlings, containers 3 to 15 gal.	Fast growing, for sites, stream multiple flatwoods depropriate stands. Deep refragrant, Septbutterfly nectar
32		•	Diervilla sessilifolia	Deciduous	М	5'	FS	Dry	5'x5'	Seeds, seedlings, container 1 to 3 gal.	Fast growing, p

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	Α	В	С	D	Е	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
	C - LOWER										
4	SLOPE										
5	D - WATER'S										
6	ED (SE										
	В	Hearts A'Bustin,	Euonymus	Both	M,P,C	5'	FS,P	Wet, Moist	6'x4'	Seeds, seedlings,	Ornamental, fa
		Strawberry Bush,	americanus							container 1 to 3 gal.	including bottor
		Burning Bush, Bursting-									& mixed forests
		heart									green. SeptDo
											deer, mammals
											shade but mos
33					_		_			_	_
	A		_	Deciduous	P,C	5'	FS,P	Dry, Moist	8'x4'	Seeds, seedlings,	Occures on mc
		Indian Cherry, Pole-Cat-	caroliniana							container 1 to 3 gal.	habitat, new fo
		Tree									open hardwood
											Flowers-greeni
											Berry/seeds. E
34	Λ	*\//intorgroop	Coulthoria	Evergreen	MDC	5'	D Shada	Dry Moiet	EVE	Soods coodlings	Foot growing n
	Α	0		Evergreen	M,P,C	၂၁	P,Shade	Dry, Moist	5x5	Seeds, seedlings,	Fast growing, p
35			procumbens							container 1 to 3 gal.	

	А	В	С	D	E	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
	C - LOWER										
4	SLOPE										
5	D - WATER'S										
6	EDGE										
Ť	А	1		Deciduous	M,P,C	5'	FS	Moist, Dry	5'x5'	Seeds, seedlings,	Excellent Grou
			baccata (6							container 1 to 3 gal.	to moist soils ir
			species in SE)								woodlands. Ma
											Berry eaten by
36	^	D (11 11 1		D (1	1450	01	F0	N4 : 4 D			butterflys.
	Α		,	Both	M,P,C	2'	FS	Moist, Dry	2'x2'	Seeds, seedlings,	Excellent Grou
			dumosa(6							container 1 to 3 gal.	sandy soils of p
			species in SE)								elevation pine f
37											Flowers-white.
31	A	Blue Huckleberry,	Gaylussacia	Deciduous	P,C	5'	FS	Moist, Dry	5'x5'	Seeds, seedlings,	mammals, rept Excellent Grou
		_	frondosa (6		,,,		l'	livioist, Dry			and well-draine
		· · · · · · · · · · · · · · · · · · ·	species in SE)							Joshianion i to 5 gai.	bays, shrub bo
											Flowers-white.
											mammals, rept
38											Imammais, rept
						1	1			1	

	A	В	С	D	Е	F	G	Н	I	J	
1	RIPARIAN ZONE	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
	A - UPLAND	*Some shrubs can be considered small trees		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have berries
	B - UPPER SLOPE				Coastal	Min.	Shade		Width		All shrubs prov wildlife.
4	C - LOWER SLOPE										
	D - WATER'S										
39	A		Gaylussacia ursina (6 species in SE)	Deciduous	M,P,C	5'	FS	Moist, Dry	5'x5'	Seeds, seedlings, container 1 to 3 gal.	Excellent Grouto moist soils in woodlands. Ma Berry eaten by butterflys.
40	A		Hamamelis virginiana	Deciduous	M,P,C	10'	FS,P	Moist	20'x15'	Seeds, seedlings, container 1 to 3 gal.	Ornamental, ca sites, open to s plant in mixed f margins & bord yellow. OctNo & pollinated by
		•	Hibiscus moscheutos	Deciduous	P,C	8'	FS	Wet, Moist	6'x4'	Seeds, seedlings, container 1 to 5 gal.	Fast growing, p streams, marsh June-OctFlow Aug-Nov. Bird

	Α	В	С	D	E	F	G	Н	1	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
,	C - LOWER SLOPE										
4	D - WATER'S										
5	EDGE										
6											
	В		Hydrangea	Deciduous	M,P	5'	FS,P,Shade	Moist	6'x5'	Seeds, seedlings,	Ornamental, fa
		Climbing Hydrangea,	arborescens							container 1 to 3 gal.	mostly in rocky
		Sevenbark, Mountain									streams or mix
		Hydrangea									a vine. May-Jul
1,,											Eaten by mamı
42		Ook loof Lludronges	l lydron goo	Desidueus	MD	E!	EC D Chada	Maiat	ClyEl		& butterflys.
	В		Hydrangea	Deciduous	M,P	5'	FS,P,Shade	Moist	6'x5'		Ornamental, fa
			quercifolia								shady habitats, forests, borderi
											July-Flowers-w
											mammals, gar
43											butterflys.
	Α	Sweet Gallberry, Gay-	Ilex coriacea (13	Evergreen	P,C	5'	FS,P	Wet, Moist, Dry	18'x15'	Seeds, seedlings,	Ornamental, fo
			species in SE)							_	understory shru
		Inkberry									soils bordering
											woods, & swan
											FebFruit-blacl
											mammals & ins
44										D. 700 N 3	Ann Gill

	А	В	С	D	Е	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2	D. HIDDED				0				100		A.II
3	B - UPPER SLOPE				Coastal	Min.	Shade		Width		All shrubs prov wildlife.
4	C - LOWER SLOPE										
	D - WATER'S										
5	EDGE										
6	I A	*Possumhaw	llex decidua (13	Deciduous	P,C	8'	FS,P,Shade	Dry	25'x15'	Seeds, seedlings,	Ornamental, fo
			species in SE)	Deciduous	F,C	0	rs,r,snaue	ргу Г	25 8 15		understory shru
			species in or,							Container 1 to 5 gai.	soils bordering
											forests, low wo
											Flowers-white.
											songbirds, gam
45											
	Α			Evergreen	С	10'	P, Shade	Dry, Moist, Wet	10'x8'	Seeds, seedlings,	Ornamental, fo
		3.	species in SE)							container 1 to 5 gal.	understory shru
		Winterberry									prefers acidic s
											woodlands, pod
											June-Flowers-v
46											by songbirds, g
+0	Α	*American Holly	llex opaca (13	Evergreen	P,C	20'	FS,P,Shade	Dry	25'x15'	Seeds, seedlings,	Ornamental, fa
		,	species in SE)		. , •		2,. ,2	,		_	mixed upland 8
											soils. May-June
											Fruit. Eaten by
47											Amsectis/bees.
					•					700 N. 7	

	А	В	С	D	Е	F	G	Н	Į.	J	
		Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
1 1	BUFFER	considered small trees									berries
2	D. LIDDED				0	N 41 .	OL - L		\A/: I/I		All al al a la access
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE C - LOWER										wildlife.
4	SLOPE										
Ė	D - WATER'S										
5	EDGE										
6	· -										
48	Α	•	Ilex verticillata (13 species in SE)	Deciduous	M,P,C	8'	FS,P	Wet, Moist	10'x6'	Seeds, seedlings, container 1 to 5 gal.	Ornamental, fo understory shru soils bordering June-Flowers-v songbirds, gam
49	A		Ilex vomitoria (13 species in SE)	Evergreen	P,C	8'	FS	Moist, Dry	15'x10'	Seedlings, container 3 to 15 gal.	Ornamental, fo understory shruprefers acidic s fields, open for May-June-Flow Eaten by songk insects/bees.
		Virginia Willow, Sweetspire, Tassel- white, Washington Plume	Itea virginica	Deciduous	P,C	8'	FS,P, Shade	Wet, Moist	8'x6'	container 1 to 5 gal.	Ornamental, fa edge of stream low woodlands white. July-Feb butterflys & ins

	A	В	С	D	Е	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2					-						
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
,	C - LOWER SLOPE										
4	D - WATER'S										
5	EDGE										
6											
51		Mountain Laurel, Mountain Ivy, Calico Bush, Spoonwort	Kalmia latifolia	Evergreen	M,P	5'	FS,P, Shade	Wet, Moist	6'x5'	Seeds, seedlings, container 1 to 5 gal.	Ornamental, fo in dense thicke Infrequent alon Lower Pd & Cp white/pink. Sep & birds.
52		Kill, Wicky	Kalmia augustifolia var. caroliniana	Evergreen	P,C	5'	P,Shade	Wet, Moist	6'x5'	Seeds, seedlings, container 1 to 5 gal.	Ornamental, fo in dense thicke Infrequent alon Lower Pd & Cp white/pink. Sep & birds.
53	С	Coastal Dog-Hobble	Leucothoe axillaris	Evergreen	С	6'	P,Shade	Wet, Moist	6'x4'	Seedlings, container 3 to 15 gal.	Ornamental, fo prefers wet to r woodlands, mix
54	С	Dog-Hobble	Leucothoe editorum	Evergreen	M,P	6'	P,Shade	Wet, Moist	6'x4'	Seedlings, container 3 to 15 gal.	Ornamental, fo wet to moist so woodlands, mix

F					E		G	Н	•	1	
1 7	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
	ZONE										
F	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
<mark>E</mark>	BUFFER	considered small trees									berries
2											
	B - UPPER SLOPE				Coastal	Min.	Shade		Width		All shrubs prov wildlife.
	C - LOWER										Wilding:
4 5	SLOPE										
	D - WATER'S										
	EDGE										
6	C	Fetterbush, Sweetbells	Leucothoe	Evergreen	P,C	6'	P,Shade	Wet, Moist	6'x4'	Seedlings,	Ornamental, fo
	-	retterbush, Sweetbells	racemosa	Evergreen	F,C	l ^o	r,Shaue	Wet, Moist	0 14	container 3 to 15	wet to moist so
			Tacemosa								wer to moist so woodlands, bog
55 E	Ω	Spicebush	Lindera benzoin	Deciduous	M,P,C	5'	P,Shade	Wet, Moist	6'x5'	Seeds, seedlings,	Ornamental, fa
'	D .	Spicebusii	Lindera benzoin	Deciduous	IVI,F,C]3	r,Shaue	TVVEL, IVIOISE	0 23		bordering strea
										Container 1 to 5 gai.	aromatic. Eater
56											insects.
E	В	Male-Berry, Male-	Lyonia ligustrina	Deciduous	P,C	10'	FS, P	Wet, Moist	10'x8'	Seeds, seedlings,	Ornamental, fa
		•	(5 species in SE)		, ,					_	bordering strea
57		,	(mammals, bird
	С	Fetterbush	Lyonia lucida (5	Deciduous	P,C	5'	FS,P	Wet, Moist	6'x5'	Seeds, seedlings,	Ornamental, fa
			species in SE)							container 1 to 5 gal.	bordering strea
58			·								mammals, bird
P	Ą	*Southern Wax Myrtle,	Myrica cerifera 5	Evergreen	P,C	10'	FS,P	Dry, Moist	25'x20'	Container, 1 to 3	Non-legume nit
		Bayberry, Candleberry	species in SE							gal.	hedge, spreads
											roadsides, ditcl
											used to repell i
										_	gamebirds, sor
59											Ann Gill Tryon St.

	Α	В	С	D	E	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
١.	C - LOWER										
4	SLOPE D - WATER'S										
5	D-WATER'S										
6											
	А	Ninebark	Physocarpus	Deciduous	M,P,C	10'	FS,P	Moist, Wet	10'x8'	Seeds, seedlings,	Occures along
			opulifolius							container 1 to 5 gal.	& moist cliffs. A
											Seeds. Eaten k
60											
	Α	′	Rosa carolina	Deciduous	M,P,C	5'	FS	Moist, Dry	3'x3'	Seeds, seedlings,	Fast growing, p
		Rose								container 1 to 5 gal.	open woodland
61	Δ	Descrit A-alas	Dhadadeelee	Daniel	D 0	01	 	Maint D	0101	0	Fact one in
	Α		Rhododendron	Deciduous	P,C	6'	FS	Moist, Dry	6'x3'	Seeds, seedlings,	Fast growing, p
			atlanticum							container 1 to 5 gal.	woods and sav
62			Dhodode: disi	Desiderana	MD	0'	I C D	Majot Diri	4050	Coodo os allinara	Bird and butter
	В		Rhododendron	Deciduous	М,Р	8'	FS,P	Moist, Dry	12'x8'	Seeds, seedlings,	Fast growing, p
			calendulaceum							container 1 to 5 gal.	streams, low w
63		Catawba Rhododendron	Dhadadandran	Deciduous	M,P	10'	FS	Moiet Dry	15'x10'	Soods coodlings	and butterfly fo
	A		catawbiense	Deciduous	livi,P	10	ادی	Moist, Dry	DIXCI	Seeds, seedlings, container 1 to 5 gal.	Fast growing, p
			Calawbiei18e							Container 1 to 5 gal.	
64	В	*Pacabay	Rhododendron	Deciduous	M,P	10'	FS	Moist	15'x10'	Soods coodlings	Hummingbird a
	P	,		Deciduous	IIVI,P	110	ادی	INIOISI	III	Seeds, seedlings,	Fast growing, p
65		Rhododendron, Great Laurel	maximum							container 1 to 5 gal.	Ann Gill
65		Laulel				<u> </u>]	<u> </u>	<u> </u>		ryon St.

Mecklenburg County
Solid Waste Mgt.

	A	В	С	D	E	F	G	Н	l l	J	
		Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2	D. 110050				0	2.41) A (1 1 1 1		A !! . ! . !
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE C - LOWER										wildlife.
4	SLOPE										
一	D - WATER'S										
5	FDGE										
6	(-										
	А		Rhododendron	Deciduous	M,P	6'	P, Shade	Moist, Dry	6'x3'	Seeds, seedlings,	Fast growing, p
			nudiflorum var.							container 1 to 5 gal.	woods and thic
			canescens								Bird and butter
66	С	Swamp Azalea	Rhododendron	Deciduous	M,P,C	6'	P, Shade	Wet, Moist	6'x3'	Seeds, seedlings,	Fast growing, p
		•	viscosum (R.		,,,,,,	Ĭ	, criade	TVVOL, IVIOISE		_	swamps. Bird a
67			serrulata)							Jestitalijoi i to o gali.	S. ampo. Bild c
67	A		· · · · · · · · · · · · · · · · · · ·	Deciduous	P,C	5'	FS	Dry	1' -	Seeds, seedlings,	Groundcover, f
	, ,	i ragiant Camao	Titlas aromanoa	2000000	, , ,		l [.]		['	containers	right of ways &
											FebMay-flow€
											seeds. Seeds €
68											birds.
	Α	<u> </u>	Rhus copallina	Deciduous	M,P,C	5'	FS	Moist, Dry	25' -6"	Seeds, seedlings,	Fast growing, ε
		Winged Sumac, Dwarf								containers	ways & forest r
		Sumac									flowers-greenis
											eaten by mamr
69											

	A	В	С	D	Е	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
	C - LOWER										
4	SLOPE										
_	D - WATER'S										
5 6	EDGE										
۳	A	*Smooth Sumac,	Rhus glabra	Deciduous	M,P,C	5'	FS	Moist, Dry	20' -4"	Seeds, seedlings,	Fast growing, ε
		Scarlet Sumac,	Titlus glabia	Doddada	''','' ,	Ĭ		liviolot, Diy		containers	ways & forest r
		Common Sumac									flowers-greenis
		Common Camao									eaten by mamr
70											Todion by main
	А	*Staghorn Sumac,	Rhus hirta (Rhus	Deciduous	M,P	5'	FS	Moist, Dry	30' -8"	Seeds, seedlings,	Fast growing, ε
		Velvet Sumac	typhina)							containers	ways & forest r
											flowers-greenis
											eaten by mamr
71											
		,	Rosa carolina	Deciduous	M,P,C	5'	FS,P	Dry, Moist	5'x5'	Seeds, seedlings,	Fast growing, ε
		Rose								container 1 to 5 gal.	woodland bord
72		0 0	D	<u> </u>	14.5.6	4.01	F0 D 0: :	NA	01.01	0 1 "	mammals & ma
	С	Swamp Rose	Rosa palustris	Deciduous	M,P,C	10'	FS,P, Shade	Wet, Moist	8'x6'	Seeds, seedlings,	Fast Growing, I
										container 1 to 5 gal.	ponds & swam
73						<u> </u>			1.01 1.01		birds
	А			Deciduous	M,P	5'	FS	Moist, Dry	10'x10'	Seeds, seedlings,	Fast growing, p
 			Eubatus								woodlands bore
74			allegheniensis								Deirdigod.

	A	В	С	D	Е	F	G	Н	I	J	
1	RIPARIAN ZONE	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
2	A - UPLAND BUFFER	*Some shrubs can be considered small trees		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have berries
	B - UPPER SLOPE				Coastal	Min.	Shade		Width		All shrubs prov wildlife.
4	C - LOWER SLOPE										
5	D - WATER'S										
75	А	Purple Flowering Raspberry	Rubus odoratus	Deciduous	M	5'	FS	Moist, Dry	5'x5'	_	Fast growing, p slopes, streaml thorns. Butterf
76	В	Prairie Willow	Salix humilis	Deciduous	M,P	6'	FS	Moist	6'x5'	Seeds, seedlings,	Fast Growing, patreams, marsh
77	В	Silky Willow	Salix sericea	Deciduous	M,P	15'	FS	Moist	15'x10'	1	Fast Growing, patreams, woodl
	D	, ,	Sambucus canadensis	Deciduous	M,P,C	10'	FS	Wet, Moist	12'x10' -6"	(Cuttings are successful)	Fast growing, for sites, in open he flowers, Aug-O edible to huma species birds.
	D		Spiraea tomentosa & Spiraea alba	Deciduous	M,P,C	10'	FS,P	Wet, Moist	8'x6'	Seeds, seedlings,	Fast growing, p

	Α	В	С	D	E	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
	C - LOWER										
4	SLOPE										
5	D - WATER'S										
6											
	С	Virginia Stewartia, Silky	Stewartia	Deciduous	P,C	10'	FS,P,Shade	Moist	8'x6'	Seeds, seedlings,	Fast growing, p
		Camelia	malacodendron							container 1 to 5 gal.	streambanks, l
80											
	С	Mountain Stewartia	Stewartia ovata	Deciduous	M,P	10'	FS,P,Shade	Moist	8'x6'	Seeds, seedlings,	Fast growing, p
										_	streambanks, l
81											
	Α		'	Deciduous	P,C	8'	FS,P	Moist, Dry	6'x5'	Seeds, seedlings,	Fast growing, p
			americana							container 1 to 5 gal.	woods, mixed f
82					_						
	Α	Bigleaf Snowbell	Styrax grandifolia	Deciduous	P,C	8'	FS,P	Moist, Dry	6'x5'	Seeds, seedlings,	Fast growing, p
										container 1 to 5 gal.	woods, mixed f
83											
	Α	'		Evergreen	P,C	8'	FS,P	Moist, Dry	25'x15'	Seeds, seedlings,	Fast growing, p
			arboreum								upland, forest ι
											eaten by mamr
84	Ι	Dlook Highbuch	Vaccinium	Evergrees	D C	0,	EC D	Moiot Day	01761		many birds.
	Α	•		Evergreen	P,C	8'	FS,P	Moist, Dry	8'x6'	_	Fast growing, p
		Blueberry	atrococcum							container 1 to 5 gal.	forest understo คนิทษิเทร. Fruit เ
85						ļ				700 N.	Inumans. Fruit (Tryon St.

700 N. Tryon St. Charlotte, NC 28202 704-336-5359

Mecklenburg County Solid Waste Mgt.

	А	В	С	D	Е	F	G	Н	I	J	
		Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2	D. LIDDED				0	N 41 .	OL - I		\A/: 1/1		All all all and an area
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE C - LOWER										wildlife.
4	SLOPE										
Ė	D - WATER'S										
5	EDGE										
6		IP.II. I DI I	Manada	-	MDC	01	 	Maria D	401.01	0	E (
	В	•		Evergreen	M,P,C	8'	FS	Moist, Dry	10'x6'	Seeds, seedlings, container 1 to 5 gal.	Fast growing, p
			corymbosum (V.virgata,								pocosins, pine and clearings.
			formosa)								by mammals, r
86			Tormoody								birds
	А	Creeping Blueberry	Vaccinium	Evergreen	P,C	5'	FS	Moist, Dry	2'x1'	Seeds, seedlings,	Groundcover; f
			crassifolium								soils, poccosing
											understory, and
											reptiles, insects
87		Filliatt Divide anni	\/		MDC	0,	D Chadu	Mat Maiat	4.01-01		edible to huma
			Vaccinium elliottii	⊏vergreen	M,P,C	8'	P,Shady	Wet, Moist	10'x8'		Fast growing, p
		Mayberry								container 1 to 5 gal.	streams and sv
88											mammals, rept
	Α	Huckleberry, Southern	Vaccinium	Evergreen	M,P,C	8'	FS	Moist, Dry	20'x15'	Seeds, seedlings,	Fast growing, p
		• •	stamineum	_ : 5: 9: 5 : 1	,. ,•					_	forest understo
											mammals, rept
89											

	А	В	С	D	Е	F	G	Н		J	
		Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER SLOPE				Coastal	Min.	Shade		Width		All shrubs prov wildlife.
	C - LOWER										wildlife.
4	SLOPE										
	D - WATER'S										
	EDGE										
6	A	Lowbush Blueberry	Vaccinium	Evergreen	P,C	3'	FS	Dry	1'x1'	Seeds, seedlings,	Fast growing, p
		,	tenellum	Lvergreen	,0]		Diy		container 1 to 5 gal.	understory, and
			CHORUITI							Journaline 1 to 5 gal.	reptiles, insects
90											
	A	Lowbush Blueberry	Vaccinium	Evergreen	P,C	3'	FS	Dry	1'x1'	Seeds, seedlings,	Fast growing, p
			vacillans							container 1 to 5 gal.	understory, and
											reptiles, insects
91		NA 1 1 6 7 71	\ P1	.	14.5	01		N4 : 4	01.01	0 1 11:	D
	В	•		Deciduous	M,P	6'	FS	Moist	8'x6'	Seeds, seedlings,	Deep rooted, fo
			acerifolium							container 1 gal.	in valleys, slope
92										(Cuttings are successful)	Prolific berries
$\overline{}$	В	Southern Arrowwood	Viburnum	Deciduous	M,P,C	6'	FS	Moist, Dry	10'x6'	Seeds, seedlings,	Deep rooted, w
			dentatum		,- ,-					container 1 gal.	swamps, formii
										(Cuttings are	many species (
93										successful)	,
	В	Possumhaw Viburnum	Viburnum nudum	Deciduous	M,P,C	6'	FS	Wet, Moist	16x10'	Seeds, seedlings,	Deep rooted, n
										container 1 gal.	forming thicket:
_											spegies of bird:
94					ļ	<u>l</u>			1	successful) 700 N	,

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	A	В	С	D	Е	F	G	Н	l	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE			_							
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE				Coasiai	IVIII I.	Snaue		wiatri		wildlife.
4	C - LOWER SLOPE										
┪	D - WATER'S										
5	EDGE										
6			\					100 - 100 -			
	В	Nannyberry	Viburnum	Deciduous	M,P,C	6'	FS	Wet, Moist	20'x10'	Seeds, seedlings,	Deep rooted, m
			lentago								flowers, Late su
95										(Cuttings are successful)	edible to huma
	В	Blackhaw Viburnum	Viburnum	Deciduous	M,P,C	6'	FS	Moist	25'x16'	Seeds, seedlings,	Deep rooted, n
			prunifolium							container 1 gal.	slopes, in thick
										(Cuttings are	white flowers, f
96										successful)	to humans.
	В	Downy Arrowwood	Viburnum	Deciduous	Р	6'	FS	Moist	20'x16'	Seeds, seedlings,	Deep rooted, n
			rafinesquianum							container 1 gal.	and edges of fo
07										(Cuttings are	species of birds
97	В	Rusty Blackhaw	Viburnum	Deciduous	P,C	6'	FS	Moist	20'x16'	successful) Seeds, seedlings,	Deep rooted, n
			rufidulum		,			IVIOIS	20 110		of forest, formir
										(Cuttings are	many species (
98										successful)	
	D	Yellowroot	Xanthorhiza	Deciduous	M,P,C	4'	P,Shade	Wet, Moist	3'x3'	Seeds, seedlings,	Deep rooted, w
			simplicissima							container 1 gal.	streambanks.
										(Cuttings are	Ann Gill
99							<u> </u>			successful) 700 N.	ryon St.

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	А	В	С	D	Е	F	G	Н	I	J	
		Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
	C - LOWER										
4	SLOPE										
	D - WATER'S										
5	EDGE										
6											
100	References:										
	-	M., and Barbara H. Honk					Conifers; 2. Ha	ırdwoods. Agri <mark>cul</mark>	ture Handbo	ok 654. B.S. Departn	nent of Agricultu
101	(Supersedes A	griculture Handbook 271,	, Silvics of Forest 1	rees of the U	Inited States	s, 1965)					
	Cherri Smith, F	Resource Management Sp	pecialist.1998. Plar	nting Guidelin	es: Choosir	ng the App	ropriate Trees	S, Shrubs, Herbs.	and Seeds to	o Plant in our Parks.	Department of E
102		ks and Recreation, P.O. E				J 11		, , , , , , , , , , , , , , , , , , , ,			
		t E., Ahles, Harry E. and (r Flora of t	he Carolinas	The University of	North Caroli	ina Press, Chanel Hill	L NC
		er, Karl V. Miller. 1999. Fo							=	er Printers, Inc., Aubl	urn, AL.
105	Chris Moreman	n, NC State University. E	<mark>Barnes, Thomas. 1</mark>	999. Gardenii	ng for the bi	i <mark>rds. The L</mark>	Iniversity Pres	s of Kentucky. Le	exington,		
106	;										

	А	В	С	D	E	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
	C - LOWER										
4	SLOPE										
5	D - WATER'S										
6											
	D	*Common Alder, Hazel	Alnus serrulata	Deciduous	M,P,C	5'	FS	Wet, Moist	20' -4"	Seeds, seedlings,	Forms thickets,
		or Tag Alder								containers 3 to 15	bottomlands, flo
										gal. (Cuttings are	
7										successful).	
		,		Deciduous	M,P,C	10'	FS,P	Moist, Dry	25' x 6"	Seeds, seedlings,	Ornamental, fa
		June Berry	arborea							container 1 gal.	bordering strea
											Can be found in
8											flowers, fruit in birds alike.
٣	Α	Hercules Club, Devil's	Aralia spinosa	Deciduous	M,P,C	5'	P,Shade	Moist, Wet	15'x10'	Seeds, seedlings,	Perennial; Orna
		Walking Stick, angelica			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		, 5116.65			1	burgendy, prefe
		Tree, Prickly Ash,								January 1 gant	thickets, strean
		Toothache Tree									Flowers-cream
											black. Bird, ma
9											·
	В	Red Chokeberry	Aronia arbutifolia	Deciduous	M,P,C	3'	FS,P	Wet, Moist	5'x4'	Seeds, seedlings,	Ornamental, fa
										container 1 gal.	bordering strea
										(Cuttings are	Tolerant of mai
										I .	. ฟิลพ ะ สุธ, Sept-F
10											pometeaten by
										Charlotte, N	'C 28202

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	A	В	С	D	E	F	G	Н	l I	J	
1	RIPARIAN ZONE	Common Name	Botanical Name	Deciduous		Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
2	A - UPLAND BUFFER	*Some shrubs can be considered small trees		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have berries
3					Coastal	Min.	Shade		Width		All shrubs prov wildlife.
4	C - LOWER SLOPE										
5	D - WATER'S										
11	В	Black Chokeberry	Aronia melanocarpa	Deciduous	M,P,C	5'	FS,P	Wet, Moist	6'x6'	Seeds, seedlings, container 1 gal. (Cuttings are successful)	Ornamental, fa bordering strea Tolerant of mai flowers, Sept-F pome eaten by
12		Dwarf Pawpaw	Asimina parviflora (8 species in SE)	Deciduous	P,C	5'	FS,P	Dry, Moist	6' x4'	Seeds, seedlings, container 1 gal.	Occures on mo habitat, from co AprMay-Flowe SeptFruits/see butterflys.
13	А	*Silverling, Eastern Baccharis	Baccharis halimifolia	Both	P,C	6'	FS	Moist ,Dry	16'x12'	Seeds, seedlings, container 1 gal. (Cuttings are successful)	Fast growing, s and female pla bordering strea shore hammoc white/silvery. O

	Α	В	С	D	Е	F	G	Н	I _	J	
		Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2	D. 110055				0 11	2.4			100		
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
١,	C - LOWER										
4	SLOPE D - WATER'S										
5	EDGE										
6											
	Α	American Beautyberry,	Callicarpa	Deciduous	P,C	3'	FS, P	Moist, Dry	8'x6'	Seeds, seedlings,	Ornamental, fa
		French mulberry,	americana							container 1 gal.	bordering strea
		Beautybush									margins, right-c
											Flowers-pinkish
											purple or white
14											mammals.
	А			Deciduous	M,P	6'	FS,P	Dry, Moist	8'x6'	Seeds, seedlings,	Ornamental ard
			floridus							container 1 gal.	forms colonies,
											sites, bottomlar
											bordering strea
											June-Flowers-r
15											Apr.Seeds. Eat
Ť	Α	*Allegheny Chinkapin	Castanea pumila	Deciduous	M,P,C	10'	FS,P	Moist	20'x12'	Seeds, seedlings,	Ornamental, fa
										container 1 to 3 gal.	sitees bordering
16											

	Α	В	С	D	Е	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
	C - LOWER										
4	SLOPE										
5	D - WATER'S										
6	EL II A E										
٣		New Jersey Tea	Ceanothus	Deciduous	M,P,C	5'	FS	Moist, Dry	4'x3'	Seeds, seedlings,	Ornamental, no
		_	americanus 4	Dooladodo	''', ''			Wiolot, Bry	1 70	container 1 to 3 gal.	growing, prefer
			species in SE							Containor 1 to o gai.	margins, well d
			000000 111 02								roadsides & sle
											white. June-Se
17											mammals, & bu
	D	*Buttonbush	Cephalanthus	Deciduous	M,P,C	4'	FS,P	Wet, Moist	20'x12'	Seeds, seedlings,	Ornamental, fa
			occidentalis							container 1 gal.	bordering strea
											of white flowers
											fruit/seeds-butt
											ducks, songbire
18											Leaves poisono
	В		Clethra	Deciduous	M,P	10'	FS	Moist	20'x12'	Seeds, seedlings,	Ornamental, fo
		•	acuminata							container 1 to 3 gal.	moist soils bord
		Pepperbush, Cinnamon									hardwood fores
		Clethra									Increased by d
											white/fragrant.
											spring. Eaten b
19											Anseeils. Tryon St.

	A	В	С	D	Е	F	G	Н	I	J	
1	RIPARIAN ZONE	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
2	A - UPLAND BUFFER	*Some shrubs can be considered small trees		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have berries
3	B - UPPER SLOPE				Coastal	Min.	Shade		Width		All shrubs prov wildlife.
4	C - LOWER SLOPE										
5	D - WATER'S										
20	В	*Sweet Pepperbush, White Alder, Summersweet	Clethra alnifolia	Deciduous	P,C	10'	FS	Moist	20'x12'	Seeds, seedlings, container 1 to 3 gal.	Ornamental, fo moist soils bord savannahs, flat bogs. Intoleran drainage and fi SeptFebFrui mammals, bee
21	A		Comptonia peregrina	Both	M,P	10'	FS	Moist, Dry	6'x6'	Seeds, seedlings, container 1 to 3 gal.	Fast growing, p woods, abandc
22	А		Comptonia cerifera	Evergreen	P,C	10'	FS	Moist, Dry	20'x15'	Seeds, seedlings, container 1 to 3 gal.	Fast growing, p woods, abandc High value wint
	В	Silky Dogwood, Bush Dogwood	Cornus amomum	Deciduous	M,P,C	10'	FS,P	Wet, Moist	10'x 8'	Seeds, seedlings, container 1 to 3 gal.	Fast growing, p streams, swam

	Α	В	С	D	E	F	G	Н	I	J	
1	RIPARIAN ZONE	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
2	A - UPLAND BUFFER	*Some shrubs can be considered small trees		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have berries
3	B - UPPER SLOPE				Coastal	Min.	Shade		Width		All shrubs prov wildlife.
4	C - LOWER SLOPE										
5	D - WATER'S										
6						101		100	101.01		
24	С	Swamp Dogwood	Cornus stricta	Deciduous	P,C	10'	FS, P	Wet, Moist	10'x8'	Seeds, seedlings, container 1 to 3 gal.	Fast growing, p streams, swam
25	А	The state of the s	Corylus americana	Deciduous	M,P,C	10'	FS	Moist	15' x10'		Ornamental, for slightly acidic s dry sites border forests, pasture male catkins- y Eaten by huma
26	А	*Beaked Hazelnut	Corylus cornuta	Deciduous	M,P	10'	FS	Dry, Moist	15' x10'		Ornamental, for slightly acidic s dry sites border forests, pasture male catkins- y Eaten by huma

	А	В	С	D	E	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2									10000		
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE C - LOWER										wildlife.
1	SLOPE										
4	D - WATER'S										
5	EDGE										
6											
	A	Hawthorn	Crateagus flava (56 species in SE)	Deciduous	P,C	20'	FS	Dry, Moist	T,S -1-3'	Seeds, seedlings, containers 3 to 15 gal.	Ornamental, fo thorns, strong r sites, streamba right-of-ways, e OctRed Pome
27	A	Haw, Sugar Haw	Crateagus spathulata (56 species in SE)	Deciduous	M,P,C	20'	FS	Moist	T,S -1-3'	Seeds, seedlings, containers 3 to 15 gal.	songbirds. Ornamental-crc colonies/thicker system, prefers bottonlands, m OctDecRed birds, & songbi
29	A	Flowered Hawthorn	Crateagus uniflora (56 species in SE)	Deciduous	P,C	20'	FS	Dry	T,S -1-3'	Seeds, seedlings, containers 3 to 15 gal.	Ornamental, fo thorns, strong r forests & margi May-Flowers-w mammals, garr

	А	В	С	D	Е	F	G	Н	I	J	
1	RIPARIAN ZONE	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
2	A - UPLAND BUFFER	*Some shrubs can be considered small trees		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have berries
3	B - UPPER SLOPE				Coastal	Min.	Shade		Width		All shrubs prov wildlife.
4	C - LOWER SLOPE										
5	D - WATER'S										
6											
30	A	-	marshallii (56 species in SE)		M,P,C	20'	FS	Wet, Moist	T,S -1-3'	Seeds, seedlings, containers 3 to 15 gal.	Ornamental, fo thorns, strong r sites, streamba AprMay-Flow Eaten by mamı
31			Cyrilla racemiflora	Both	С	20'	FS	Wet, Moist	T, S-1-3	Seeds, seedlings, containers 3 to 15 gal.	Fast growing, for sites, stream multiple flatwoods depropriate stands. Deep refragrant, Septbutterfly nectar
32		•	Diervilla sessilifolia	Deciduous	М	5'	FS	Dry	5'x5'	Seeds, seedlings, container 1 to 3 gal.	Fast growing, p

	A	В	С	D	Е	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
	C - LOWER										
4	SLOPE										
5	D - WATER'S										
6	ED (SE										
	В	Hearts A'Bustin,	Euonymus	Both	M,P,C	5'	FS,P	Wet, Moist	6'x4'	Seeds, seedlings,	Ornamental, fa
		Strawberry Bush,	americanus							container 1 to 3 gal.	including bottor
		Burning Bush, Bursting-									& mixed forests
		heart									green. SeptDo
											deer, mammals
											shade but mos
33					_		_			_	_
	A		_	Deciduous	P,C	5'	FS,P	Dry, Moist	8'x4'	Seeds, seedlings,	Occures on mc
		Indian Cherry, Pole-Cat-	caroliniana							container 1 to 3 gal.	habitat, new fo
		Tree									open hardwood
											Flowers-greeni
											Berry/seeds. E
34	Λ	*\//intorgroop	Coulthoria	Evergreen	MDC	5'	D Shada	Dry Moiet	EVE	Soods coodlings	Foot growing n
	Α	0		Evergreen	M,P,C	၂၁	P,Shade	Dry, Moist	5x5	Seeds, seedlings,	Fast growing, p
35			procumbens							container 1 to 3 gal.	

	Α	В	С	D	E	F	G	Н	I	J	
1	RIPARIAN ZONE	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
2	A - UPLAND BUFFER	*Some shrubs can be considered small trees		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have berries
3	B - UPPER SLOPE				Coastal	Min.	Shade		Width		All shrubs prov wildlife.
4	C - LOWER SLOPE										
5	D - WATER'S										
36	A		Gaylussacia baccata (6 species in SE)	Deciduous	M,P,C	5'	FS	Moist, Dry	5'x5'	Seeds, seedlings, container 1 to 3 gal.	Excellent Grouto moist soils in woodlands. Ma Berry eaten by butterflys.
37	A	Gopherberry	Gaylussacia dumosa(6 species in SE)	Both	M,P,C	2'	FS	Moist, Dry	2'x2'	Seeds, seedlings, container 1 to 3 gal.	Excellent Grousandy soils of pelevation pine for Flowers-white.
38	A	Dandleberry	Gaylussacia frondosa (6 species in SE)	Deciduous	P,C	5'	FS	Moist, Dry	5'x5'	Seeds, seedlings, container 1 to 3 gal.	Excellent Groul and well-draine bays, shrub bo Flowers-white, mammals, rept

	А	В	С	D	Е	F	G	Н	I	J	
1	ZONE	Common Name	Botanical Name		Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
2	A - UPLAND BUFFER	*Some shrubs can be considered small trees		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have berries
	B - UPPER SLOPE				Coastal	Min.	Shade		Width		All shrubs prov wildlife.
4	C - LOWER SLOPE										
5	D - WATER'S										
39	А		Gaylussacia ursina (6 species in SE)	Deciduous	M,P,C	5'	FS	Moist, Dry	5'x5'	Seeds, seedlings, container 1 to 3 gal.	Excellent Grouto moist soils in woodlands. Ma Berry eaten by butterflys.
40	А		Hamamelis virginiana	Deciduous	M,P,C	10'	FS,P	Moist	20'x15'	Seeds, seedlings, container 1 to 3 gal.	Ornamental, ca sites, open to s plant in mixed f margins & bord yellow. OctNo & pollinated by
41		'	Hibiscus moscheutos	Deciduous	P,C	8'	FS	Wet, Moist	6'x4'	Seeds, seedlings, container 1 to 5 gal.	Fast growing, p streams, marsh June-OctFlow Aug-Nov. Bird

	Α	В	С	D	E	F	G	Н	1	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
,	C - LOWER SLOPE										
4	D - WATER'S										
5	EDGE										
6											
	В		Hydrangea	Deciduous	M,P	5'	FS,P,Shade	Moist	6'x5'	Seeds, seedlings,	Ornamental, fa
		Climbing Hydrangea,	arborescens							container 1 to 3 gal.	mostly in rocky
		Sevenbark, Mountain									streams or mix
		Hydrangea									a vine. May-Jul
1,,											Eaten by mamı
42		Ook loof Lludronges	l lydron goo	Desidueus	MD	E!	EC D Chada	Maiat	ClyEl		& butterflys.
	В		Hydrangea	Deciduous	M,P	5'	FS,P,Shade	Moist	6'x5'		Ornamental, fa
			quercifolia								shady habitats, forests, borderi
											July-Flowers-w
											mammals, gar
43											butterflys.
	Α	Sweet Gallberry, Gay-	Ilex coriacea (13	Evergreen	P,C	5'	FS,P	Wet, Moist, Dry	18'x15'	Seeds, seedlings,	Ornamental, fo
			species in SE)							_	understory shru
		Inkberry									soils bordering
											woods, & swan
											FebFruit-blacl
											mammals & ins
44										D. 700 N 3	Ann Gill

	А	В	С	D	Е	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2	D. HIDDED				0				100		A.II
3	B - UPPER SLOPE				Coastal	Min.	Shade		Width		All shrubs prov wildlife.
4	C - LOWER SLOPE										
	D - WATER'S										
5	EDGE										
6	I A	*Possumhaw	llex decidua (13	Deciduous	P,C	8'	FS,P,Shade	Dry	25'x15'	Seeds, seedlings,	Ornamental, fo
			species in SE)	Deciduous	F,C	0	rs,r,snaue	ргу Г	25 8 15		understory shru
			species in or,							Container 1 to 5 gai.	soils bordering
											forests, low wo
											Flowers-white.
											songbirds, gam
45											
	Α			Evergreen	С	10'	P, Shade	Dry, Moist, Wet	10'x8'	Seeds, seedlings,	Ornamental, fo
		3.	species in SE)							container 1 to 5 gal.	understory shru
		Winterberry									prefers acidic s
											woodlands, pod
											June-Flowers-v
46											by songbirds, g
+0	Α	*American Holly	llex opaca (13	Evergreen	P,C	20'	FS,P,Shade	Dry	25'x15'	Seeds, seedlings,	Ornamental, fa
		,	species in SE)		. , •		2,. ,2	,		_	mixed upland 8
											soils. May-June
											Fruit. Eaten by
47											Amsectis/bees.
					•					700 N. 7	

	А	В	С	D	Е	F	G	Н	Į.	J	
		Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
1 1	BUFFER	considered small trees									berries
2	D. LIDDED				0	N 41 .	OL - L		\A/: I/I		All al al a la access
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE C - LOWER										wildlife.
4	SLOPE										
Ė	D - WATER'S										
5	EDGE										
6	· -										
48	Α	•	Ilex verticillata (13 species in SE)	Deciduous	M,P,C	8'	FS,P	Wet, Moist	10'x6'	Seeds, seedlings, container 1 to 5 gal.	Ornamental, fo understory shru soils bordering June-Flowers-v songbirds, gam
49	A		Ilex vomitoria (13 species in SE)	Evergreen	P,C	8'	FS	Moist, Dry	15'x10'	Seedlings, container 3 to 15 gal.	Ornamental, fo understory shruprefers acidic s fields, open for May-June-Flow Eaten by songk insects/bees.
		Virginia Willow, Sweetspire, Tassel- white, Washington Plume	Itea virginica	Deciduous	P,C	8'	FS,P, Shade	Wet, Moist	8'x6'	container 1 to 5 gal.	Ornamental, fa edge of stream low woodlands white. July-Feb butterflys & ins

	А	В	С	D	Е	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
	C - LOWER										
4	SLOPE										
5	D - WATER'S										
6											
51		Mountain Laurel, Mountain Ivy, Calico Bush, Spoonwort	Kalmia latifolia	Evergreen	M,P	5'	FS,P, Shade	Wet, Moist	6'x5'		Ornamental, fo in dense thicke Infrequent alon Lower Pd & Cp white/pink. Sep & birds
52		Kill, Wicky	Kalmia augustifolia var. caroliniana	Evergreen	P,C	5'	P,Shade	Wet, Moist	6'x5'	Seeds, seedlings,	Ornamental, fo in dense thicke Infrequent alon Lower Pd & Cp white/pink. Sep & birds.
53	С	9	Leucothoe axillaris	Evergreen	С	6'	P,Shade	Wet, Moist	6'x4'	Seedlings, container 3 to 15 gal.	Ornamental, fo prefers wet to r woodlands, mix
54	С	3	Leucothoe editorum	Evergreen	M,P	6'	P,Shade	Wet, Moist	6'x4'	Seedlings, container 3 to 15 gal.	Ornamental, fo wet to moist so woodlands, mix

	А	В	С	D	Е	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE									·	
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
١.,	C - LOWER										
4	SLOPE D - WATER'S										
5	EDGE										
6											
	С	Fetterbush, Sweetbells	Leucothoe	Evergreen	P,C	6'	P,Shade	Wet, Moist	6'x4'	Seedlings,	Ornamental, fo
			racemosa							container 3 to 15	wet to moist so
55										gal.	woodlands, bo(
	В	Spicebush	Lindera benzoin	Deciduous	M,P,C	5'	P,Shade	Wet, Moist	6'x5'	Seeds, seedlings,	Ornamental, fa
										container 1 to 5 gal.	bordering strea
											aromatic. Eater
56	_										insects.
	В	Male-Berry, Male-	Lyonia ligustrina	Deciduous	P,C	10'	FS, P	Wet, Moist	10'x8'		Ornamental, fa
l		Blueberry	(5 species in SE)							_	bordering strea
57	C	Fottorbuch	Lyonio luoido /F	Dooidugus	P,C	 E'	FS,P	Mot Moiet	6'x5'		mammals, bird
	С	Fetterbush	Lyonia lucida (5	Deciduous	P,C	5'	F3,P	Wet, Moist	cx o	Seeds, seedlings,	Ornamental, fa
			species in SE)								bordering strea
58	Λ	*Southern Wax Myrtle,	Myrica corifora 5	Evergreen	P,C	10'	FS,P	Dry, Moist	25'x20'		mammals, bird
	Α		Myrica cerifera 5 species in SE	∟vergreen	F,C	10	F3,F	וטוא, ואוטואנ, ואין	23 X2U		Non-legume nit hedge, spreads
		Dayberry, Candleberry	Isheries III SE							gal.	roadsides, ditcl
											used to repell in
59										D.	gamebirds, sor Ann Gill
					1	<u> </u>	<u> </u>	I .		700 N.	rvon St.

700 N. Tryon St. Charlotte, NC 28202 704-336-5359 gillda@co.mecklenburg.nc.us

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	A	В	С	D	Е	F	G	Н	I _	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2	D. LIDDED				0 11	D. 41) A (' 141		
3	B - UPPER SLOPE				Coastal	Min.	Shade		Width		All shrubs prov wildlife.
4	C - LOWER SLOPE										
	D - WATER'S										
5	EDGE										
6	A	Ninebark	Physocarpus	Deciduous	M,P,C	10'	FS,P	Moist, Wet	10'x8'	Seeds, seedlings,	Occures along
	^		opulifolius	Deciduous	IIVI,F,C	10		INIOISI, WEI	10 80	container 1 to 5 gal.	& moist cliffs. A
			Opulliolius							Journaline 1 to 5 gal.	Seeds. Eaten t
60											Coodo: Edion t
	А	Pasture Rose, Carolina	Rosa carolina	Deciduous	M,P,C	5'	FS	Moist, Dry	3'x3'	Seeds, seedlings,	Fast growing, p
		Rose								container 1 to 5 gal.	open woodland
61											
	А		Rhododendron	Deciduous	P,C	6'	FS	Moist, Dry	6'x3'	Seeds, seedlings,	Fast growing, p
			atlanticum							container 1 to 5 gal.	woods and sav
62	D	Flama Analan	Dhadada: dis	Daaidoo	MD	01	EC D	Majet Des	401.01	Coods	Bird and butter
	В		Rhododendron	Deciduous	M,P	8'	FS,P	Moist, Dry	12'x8'	Seeds, seedlings,	Fast growing, p
			calendulaceum							container 1 to 5 gal.	streams, low wand butterfly fo
63	A	Catawba Rhododendron	Rhododendron	Deciduous	M,P	10'	FS	Moist, Dry	15'x10'	Seeds, seedlings,	Fast growing, p
			catawbiense	Deciduous	1171,1		' \	INIOISI, DIY	13 7 10	1	slopes, ridges a
64										Joshamor 1 to 5 gai.	Hummingbird a
	В	*Rosebay	Rhododendron	Deciduous	M,P	10'	FS	Moist	15'x10'	Seeds, seedlings,	Fast growing, p
		•	maximum		,-				1.07.10	container 1 to 5 gal.	
65		Laurel									
								1		' 700 N. '	Tryon St.

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	A	В	С	D	E	F	G	Н	l l	J	
		Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2	D. 110050				0	2.41) A (1 1 1 1		A !! . ! . !
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE C - LOWER										wildlife.
4	SLOPE										
一	D - WATER'S										
5	FDGE										
6	(-										
	А		Rhododendron	Deciduous	M,P	6'	P, Shade	Moist, Dry	6'x3'	Seeds, seedlings,	Fast growing, p
			nudiflorum var.							container 1 to 5 gal.	woods and thic
			canescens								Bird and butter
66	С	Swamp Azalea	Rhododendron	Deciduous	M,P,C	6'	P, Shade	Wet, Moist	6'x3'	Seeds, seedlings,	Fast growing, p
		•	viscosum (R.		,,,,,,	Ĭ	, criade	TVVOL, IVIOISE		_	swamps. Bird a
67			serrulata)							Jestitalijoi i to o gali.	S. ampo. Bild c
67	A		· · · · · · · · · · · · · · · · · · ·	Deciduous	P,C	5'	FS	Dry	1' -	Seeds, seedlings,	Groundcover, f
	, ,	i ragiant Camao	Titlas aromanoa	2000000	, , ,		l [.]		['	containers	right of ways &
											FebMay-flow€
											seeds. Seeds €
68											birds.
	Α	<u> </u>	Rhus copallina	Deciduous	M,P,C	5'	FS	Moist, Dry	25' -6"	Seeds, seedlings,	Fast growing, ε
		Winged Sumac, Dwarf								containers	ways & forest r
		Sumac									flowers-greenis
											eaten by mamr
69											

	A	В	С	D	Е	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
	C - LOWER										
4	SLOPE										
_	D - WATER'S										
5 6	EDGE										
۳	A	*Smooth Sumac,	Rhus glabra	Deciduous	M,P,C	5'	FS	Moist, Dry	20' -4"	Seeds, seedlings,	Fast growing, ε
		Scarlet Sumac,	Titlus glabia	Doddada	''','' ,	Ĭ		liviolot, Diy		containers	ways & forest r
		Common Sumac									flowers-greenis
		Common Camao									eaten by mamr
70											Todion by main
	А	*Staghorn Sumac,	Rhus hirta (Rhus	Deciduous	M,P	5'	FS	Moist, Dry	30' -8"	Seeds, seedlings,	Fast growing, ε
		Velvet Sumac	typhina)							containers	ways & forest r
											flowers-greenis
											eaten by mamr
71											
		,	Rosa carolina	Deciduous	M,P,C	5'	FS,P	Dry, Moist	5'x5'	Seeds, seedlings,	Fast growing, ε
		Rose								container 1 to 5 gal.	woodland bord
72		0 0	D	<u> </u>	14.5.6	4.01	F0 D 0: :	1A/ (01.01	0 1 "	mammals & ma
	С	Swamp Rose	Rosa palustris	Deciduous	M,P,C	10'	FS,P, Shade	Wet, Moist	8'x6'	Seeds, seedlings,	Fast Growing, I
										container 1 to 5 gal.	ponds & swam
73						<u> </u>			1.01 1.01		birds
	А			Deciduous	M,P	5'	FS	Moist, Dry	10'x10'	Seeds, seedlings,	Fast growing, p
 			Eubatus								woodlands bore
74			allegheniensis			<u> </u>					Deirdigod.

	А	В	С	D	Е	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
	C - LOWER										
4	SLOPE										
5	D - WATER'S										
6	EI)(÷E										
	A	Purple Flowering	Rubus odoratus	Deciduous	М	5'	FS	Moist, Dry	5'x5'	Seeds, seedlings,	Fast growing, p
		Raspberry						' '		_	slopes, streaml
75		. ,								Ĭ	thorns. Butterf
	В	Prairie Willow	Salix humilis	Deciduous	M,P	6'	FS	Moist	6'x5'	Seeds, seedlings,	Fast Growing, I
										container 1 to 5 gal.	streams, marsh
76											
	В	Silky Willow	Salix sericea	Deciduous	M,P	15'	FS	Moist	15'x10'	Seeds, seedlings,	Fast Growing, I
										container 1 to 5 gal.	streams, woodl
77											
		, ,		Deciduous	M,P,C	10'	FS	Wet, Moist	12'x10' -6"	Seeds, seedlings,	Fast growing, f
		American Elder,	canadensis							container 1 gal.	sites, in open h
		Elderberry, Common								(Cuttings are	flowers, Aug-O
		Elder								successful)	edible to huma
78											species birds.
	D	Meadowsweet & Narrow	Spiraea	Deciduous	M,P,C	10'	FS,P	Wet, Moist	8'x6'	Seeds, seedlings,	Fast growing, p
		Leaved Meadowsweet	tomentosa &							container 1 to 5 gal.	streambanks, le
79			Spiraea alba								

	А	В	С	D	Е	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE									·	
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
	C - LOWER										
4	SLOPE										
5	D - WATER'S										
6	<u> </u>										
	С	Virginia Stewartia, Silky	Stewartia	Deciduous	P,C	10'	FS,P,Shade	Moist	8'x6'	Seeds, seedlings,	Fast growing, p
		•	malacodendron							1	streambanks, l
80											
	С	Mountain Stewartia	Stewartia ovata	Deciduous	M,P	10'	FS,P,Shade	Moist	8'x6'	Seeds, seedlings,	Fast growing, p
										1	streambanks, l
81											
	Α	American Snowbell	Styrax	Deciduous	P,C	8'	FS,P	Moist, Dry	6'x5'	Seeds, seedlings,	Fast growing, p
			americana							container 1 to 5 gal.	woods, mixed f
82											
	A	Bigleaf Snowbell	Styrax grandifolia	Deciduous	P,C	8'	FS,P	Moist, Dry	6'x5'	Seeds, seedlings,	Fast growing, p
										container 1 to 5 gal.	woods, mixed f
83											
	A	Sparkleberry		Evergreen	P,C	8'	FS,P	Moist, Dry	25'x15'	Seeds, seedlings,	Fast growing, p
			arboreum								upland, forest ι
											eaten by mamr
84	^	Dla ak I limbbuah	Ma a simi uma		D C	0'	FC D	Maiat Dini	Object		many birds.
		3		Evergreen	P,C	8'	FS,P	Moist, Dry	8'x6'		Fast growing, p
		Blueberry	atrococcum								forest understo
85					ļ		<u> </u>			700 N.	Aใช้เกรี่lhs. Fruit € Tryon St.
										700111	,

	Α	В	С	D	Е	F	G	Н	I	J	
		Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2	D. LIDDED				0	D 4:	01 1) A (* 141		A II . I
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE C - LOWER										wildlife.
4	SLOPE										
 	D - WATER'S										
5	EDGE										
6											
	В	,		Evergreen	M,P,C	8'	FS	Moist, Dry	10'x6'	Seeds, seedlings,	Fast growing, p
			corymbosum								pocosins, pine
			(V.virgata,								and clearings.
86			formosa)								by mammals, r
80		Creeping Blueberry	Vaccinium	Evergreen	P,C	5'	FS	Moist, Dry	2'x1'		hirds Groundcover; f
			crassifolium	Lvorgroom	,,,			Wiolot, Bry			soils, poccosins
			oracononarri							loomanion i to o gain	understory, and
											reptiles, insects
87											edible to huma
	С	Elliott Blueberry,	Vaccinium elliottii	Evergreen	M,P,C	8'	P,Shady	Wet, Moist	10'x8'	Seeds, seedlings,	Fast growing, p
		Mayberry		_						container 1 to 5 gal.	streams and sv
											mammals, rept
88											
				Evergreen	M,P,C	8'	FS	Moist, Dry	20'x15'	Seeds, seedlings,	Fast growing, p
		Gooseberry	stamineum							1	forest understo
											mammals, rept
89											Ann Cill

	А	В	С	D	Е	F	G	Н		J	
		Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER SLOPE				Coastal	Min.	Shade		Width		All shrubs prov wildlife.
	C - LOWER										wildlife.
4	SLOPE										
	D - WATER'S										
	EDGE										
6	A	Lowbush Blueberry	Vaccinium	Evergreen	P,C	3'	FS	Dry	1'x1'	Seeds, seedlings,	Fast growing, p
		,	tenellum	Lvergreen	,0]		Diy		container 1 to 5 gal.	understory, and
			CHORUITI							Journaline 1 to 5 gal.	reptiles, insects
90											
	A	Lowbush Blueberry	Vaccinium	Evergreen	P,C	3'	FS	Dry	1'x1'	Seeds, seedlings,	Fast growing, p
			vacillans							container 1 to 5 gal.	understory, and
											reptiles, insects
91		NA 1 1 6 7 71	\ P1	.	14.5	01		N4 : 4	01.01	0 1 11:	D
	В	•		Deciduous	M,P	6'	FS	Moist	8'x6'	Seeds, seedlings,	Deep rooted, fo
			acerifolium							container 1 gal.	in valleys, slope
92										(Cuttings are successful)	Prolific berries
$\overline{}$	В	Southern Arrowwood	Viburnum	Deciduous	M,P,C	6'	FS	Moist, Dry	10'x6'	Seeds, seedlings,	Deep rooted, w
			dentatum		,- ,-					container 1 gal.	swamps, formii
										(Cuttings are	many species (
93										successful)	,
	В	Possumhaw Viburnum	Viburnum nudum	Deciduous	M,P,C	6'	FS	Wet, Moist	16x10'	Seeds, seedlings,	Deep rooted, n
										container 1 gal.	forming thicket:
_											spegies of bird:
94					ļ	<u>l</u>			1	successful) 700 N	,

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	Α	В	С	D	Е	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
	C - LOWER										
4	SLOPE										
5	D - WATER'S										
6	ED(SE										
	В	Nannyberry	Viburnum	Deciduous	M,P,C	6'	FS	Wet, Moist	20'x10'	Seeds, seedlings,	Deep rooted, m
		, ,	lentago					,		container 1 gal.	flowers, Late sı
			Ğ							(Cuttings are	edible to huma
95										successful)	species of birds
	В		Viburnum	Deciduous	M,P,C	6'	FS	Moist	25'x16'	Seeds, seedlings,	Deep rooted, n
			prunifolium							container 1 gal.	slopes, in thick
										(Cuttings are	white flowers, f
96	Б	Danis America I	V. Claramana	Daniel	<u> </u>	01	 	N4 = i = 4	001-401	successful)	to humans.
	В	, ,		Deciduous	Р	6'	FS	Moist	20'x16'	Seeds, seedlings,	Deep rooted, m
			rafinesquianum							container 1 gal.	and edges of fo
97										(Cuttings are	species of birds
31	В	Rusty Blackhaw	Viburnum	Deciduous	P,C	6'	FS	Moist	20'x16'	successful) Seeds, seedlings,	Deep rooted, m
		,	rufidulum	Doddadas	,		l'		20 110	container 1 gal.	of forest, formir
			Tanadiani							(Cuttings are	many species
98										successful)	Than y species (
	D	Yellowroot	Xanthorhiza	Deciduous	M,P,C	4'	P,Shade	Wet, Moist	3'x3'	Seeds, seedlings,	Deep rooted, w
			simplicissima							container 1 gal.	streambanks.
			•							(Cuttings are	A C:II
99										1 , 1	Ann Gill Tryon St.
								<u> </u>		Charlotte N	,

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	А	В	С	D	Е	F	G	Н	I	J	
1	RIPARIAN ZONE	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
2	A - UPLAND	*Some shrubs can be considered small trees		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have berries
3	B - UPPER SLOPE				Coastal	Min.	Shade		Width		All shrubs prov wildlife.
4	C - LOWER SLOPE										
	D - WATER'S										
6											
100	References:										
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105	Chris Morema	n, NC State University. E	B <mark>arnes, Thomas. 1</mark>	999. Gardeni	ng for the b	irds. The l	Jniversity Pres	ss of Kentucky. Le	exington,		
106	3										

150

	Ι Λ Ι	В	С	D	ΙE		G	Н	1 1	1 1	1
\vdash	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or			Max.	Cood production	Benefits, Habita
1	ZONE	Common Name	botanical Name	Deciduous	wountain	Rate of	Full Sun,	Soil Moisture	wax.	Seed production	benefits, Habita
\vdash	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Chaoina	Partial,	Condition:	Hoight		All shrubs have
				Evergreen	Fledifiont	Spacing	railiai,	Condition.	Height,		
	BUFFER	considered small trees									berries
2	B - UPPER				Coastal	Min.	Shade		Width		All obrubo prov
					Coasiai	IVIII).	Shade		vvidin		All shrubs prov
3	SLOPE C - LOWER										wildlife.
1	SLOPE										
+	D - WATER'S										
5	EDGE										
6											
	D	*Common Alder, Hazel	Alnus serrulata	Deciduous	M,P,C	5'	FS	Wet, Moist	20' -4"	Seeds, seedlings,	Forms thickets,
		or Tag Alder								containers 3 to 15	bottomlands, flo
										gal. (Cuttings are	
7										successful).	
	Α	, , , , , , , , , , , , , , , , , , ,		Deciduous	M,P,C	10'	FS,P	Moist, Dry	25' x 6"	Seeds, seedlings,	Ornamental, fa
		June Berry	arborea							container 1 gal.	bordering strea
											Can be found i
											flowers, fruit in
8		Hamarilaa Olish Davidh	A malia amina a a	Daaidoo	MDC	[D Charle	Maint Mat	4.51,4.01	Coods of alliant	birds alike.
	Α	,	Aralia spinosa	Deciduous	M,P,C	5'	P,Shade	Moist, Wet	15'x10'	Seeds, seedlings,	Perennial; Orna
		Walking Stick, angelica								container 1 gal.	burgendy, prefe
		Tree, Prickly Ash,									thickets, strean
		Toothache Tree									Flowers-cream
9											black. Bird, ma
 	В	Red Chokeberry	Aronia arbutifolia	Deciduous	M,P,C	3'	FS,P	Wet, Moist	5'x4'	Seeds, seedlings,	Ornamental, fa
		Trea Chorenens		Peciagons	101,1 ,0] 3,1	VVGI, IVIUISI	J ^4	container 1 gal.	bordering strea
										(Cuttings are	Tolerant of mai
											มืดพ e ris, Sept-F
10											ротеленты Протеленты
10					<u> </u>		1			Charlotte, N	

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	A	В	С	D	Е	F	G	Н	I	J	
1	RIPARIAN ZONE	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
2	A - UPLAND BUFFER	*Some shrubs can be considered small trees		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have berries
3	B - UPPER SLOPE				Coastal	Min.	Shade		Width		All shrubs prov wildlife.
4	C - LOWER SLOPE										
5	D - WATER'S										
11	В	,	Aronia melanocarpa	Deciduous	M,P,C	5'	FS,P	Wet, Moist	6'x6'	Seeds, seedlings, container 1 gal. (Cuttings are successful)	Ornamental, fa bordering strea Tolerant of mai flowers, Sept-F pome eaten by
12	А	·	Asimina parviflora (8 species in SE)	Deciduous	P,C	5'	FS,P	Dry, Moist	6' x4'	Seeds, seedlings, container 1 gal.	Occures on mc habitat, from cc AprMay-Flowe SeptFruits/see butterflys.
13	A	•	Baccharis halimifolia	Both	P,C	6'	FS	Moist ,Dry	16'x12'	Seeds, seedlings, container 1 gal. (Cuttings are successful)	Fast growing, s and female pla bordering strea shore hammoc white/silvery. O

	Α	В	С	D	Е	F	G	Н	I _	J	
		Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2	D. 110055				0 11	2.4			100		
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
١,	C - LOWER										
4	SLOPE D - WATER'S										
5	EDGE										
6											
	Α	American Beautyberry,	Callicarpa	Deciduous	P,C	3'	FS, P	Moist, Dry	8'x6'	Seeds, seedlings,	Ornamental, fa
		French mulberry,	americana							container 1 gal.	bordering strea
		Beautybush									margins, right-c
											Flowers-pinkish
											purple or white
14											mammals.
	А			Deciduous	M,P	6'	FS,P	Dry, Moist	8'x6'	Seeds, seedlings,	Ornamental ard
			floridus							container 1 gal.	forms colonies,
											sites, bottomlar
											bordering strea
											June-Flowers-r
15											Apr.Seeds. Eat
Ť	Α	*Allegheny Chinkapin	Castanea pumila	Deciduous	M,P,C	10'	FS,P	Moist	20'x12'	Seeds, seedlings,	Ornamental, fa
										container 1 to 3 gal.	sitees bordering
16											

	Α	В	С	D	Е	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
Ι.	C - LOWER										
4	SLOPE D - WATER'S										
5	EDGE										
6											
	Α	New Jersey Tea	Ceanothus	Deciduous	M,P,C	5'	FS	Moist, Dry	4'x3'	Seeds, seedlings,	Ornamental, no
			americanus 4							container 1 to 3 gal.	growing, prefer
			species in SE								margins, well d
											roadsides & sle
1											white. June-Se
17	D	*D#a.a.ba.b	Cambalanthus	Danielunus	MDC	4,	EC D	\\/_+ \\/_:_+	201-401	Coode coodlings	mammals, & bu
	D		Cephalanthus occidentalis	Deciduous	M,P,C	4'	FS,P	Wet, Moist	20'x12'	Seeds, seedlings,	Ornamental, fa
			occidentalis							container 1 gal.	bordering strea of white flowers
											fruit/seeds-butt
											ducks, songbire
18											Leaves poison
"	В	*Sweet Pepperbush,	Clethra	Deciduous	M,P	10'	FS	Moist	20'x12'	Seeds, seedlings,	Ornamental, fo
		11 /	acuminata				-				moist soils bord
		Pepperbush, Cinnamon									hardwood fores
		Clethra									Increased by d
											white/fragrant.
											spring. Eaten b
19										D.	Amse@ils.
				·	·	·	· · · · · · · · · · · · · · · · · · ·			700 N	Tm ram C4

	А	В	С	D	Е	F	G	Н	I	J	
1	RIPARIAN ZONE	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
2	A - UPLAND BUFFER	*Some shrubs can be considered small trees		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have berries
3	B - UPPER SLOPE				Coastal	Min.	Shade		Width		All shrubs prov wildlife.
4	C - LOWER SLOPE										
5	D - WATER'S										
20	В	*Sweet Pepperbush, White Alder, Summersweet	Clethra alnifolia	Deciduous	P,C	10'	FS	Moist	20'x12'	Seeds, seedlings, container 1 to 3 gal.	Ornamental, fo moist soils bord savannahs, flat bogs. Intoleran drainage and fi SeptFebFrui mammals, bee
21	A		Comptonia peregrina	Both	M,P	10'	FS	Moist, Dry	6'x6'	Seeds, seedlings, container 1 to 3 gal.	Fast growing, p woods, abandc
22	А		Comptonia cerifera	Evergreen	P,C	10'	FS	Moist, Dry	20'x15'	Seeds, seedlings, container 1 to 3 gal.	Fast growing, p woods, abandc High value wint
	В	Silky Dogwood, Bush Dogwood	Cornus amomum	Deciduous	M,P,C	10'	FS,P	Wet, Moist	10'x 8'	Seeds, seedlings, container 1 to 3 gal.	Fast growing, p streams, swam

	А	В	С	D	Е	F	G	Н	I	J	
1	RIPARIAN ZONE	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
2	A - UPLAND BUFFER	*Some shrubs can be considered small trees		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have berries
3	B - UPPER SLOPE				Coastal	Min.	Shade		Width		All shrubs prov wildlife.
4	C - LOWER SLOPE										
5	D - WATER'S										
24	С	Swamp Dogwood	Cornus stricta	Deciduous	P,C	10'	FS, P	Wet, Moist	10'x8'	Seeds, seedlings, container 1 to 3 gal.	Fast growing, p
25	A		Corylus americana	Deciduous	M,P,C	10'	FS	Moist	15' x10'	-	Ornamental, for slightly acidic s dry sites border forests, pasture male catkins- y Eaten by huma
26	А	*Beaked Hazelnut	Corylus cornuta	Deciduous	M,P	10'	FS	Dry, Moist	15' x10'	-	Ornamental, for slightly acidic s dry sites border forests, pasture male catkins- y Eaten by huma

	Α	В	С	D	E	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE			_							
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2	B - UPPER				Coastal	Min.	Shade		Width		All obruba prov
3	SLOPE				Coasiai	IVIII I.	Shaue		vvidtri		All shrubs prov wildlife.
٣	C - LOWER										wildlife.
4	SLOPE										
	D - WATER'S										
5 6	EDGE										
٣	Α	*Summer Haw, Yellow	Crateagus flava	Deciduous	P,C	20'	FS	Dry, Moist	T,S -1-3'	Seeds, seedlings,	Ornamental, fo
			(56 species in	200.0000	. , •			2.,,	1,,0	containers 3 to 15	thorns, strong r
			SE)							gal.	sites, streamba
			,								right-of-ways, ε
											OctRed Pom€
27			_								songbirds.
	Α		_	Deciduous	M,P,C	20'	FS	Moist	T,S -1-3'	Seeds, seedlings,	Ornamental-crc
			spathulata (56							containers 3 to 15	colonies/thicke
			species in SE)							gal.	system, prefers bottonlands, m
											OctDecRed
28											birds, & songbi
<u> </u>	Α	*Dwarf Hawthorn, One	Crateagus	Deciduous	P,C	20'	FS	Dry	T,S -1-3'	Seeds, seedlings,	Ornamental, fo
		′	uniflora (56						,	containers 3 to 15	thorns, strong r
			species in SE)							gal.	forests & margi
											May-Flowers-w
											mammals, garr
29											Ann Gill

	А	В	С	D	Е	F	G	Н	l l	J	
1	RIPARIAN ZONE	Common Name	Botanical Name		Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
2	A - UPLAND BUFFER	*Some shrubs can be considered small trees		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have berries
3	B - UPPER SLOPE				Coastal	Min.	Shade		Width		All shrubs prov wildlife.
4	C - LOWER SLOPE										
5	D - WATER'S										
30	A	-	Crateagus marshallii (56 species in SE)	Deciduous	M,P,C	20'	FS	Wet, Moist	T,S -1-3'	Seeds, seedlings, containers 3 to 15 gal.	Ornamental, fo thorns, strong r sites, streamba AprMay-Flow Eaten by mamı
31	С		Cyrilla racemiflora	Both	С	20'	FS	Wet, Moist	T, S-1-3	Seeds, seedlings, containers 3 to 15 gal.	Fast growing, for sites, stream multiple flatwoods depropriate stands. Deep refragrant, Septbutterfly nectar
32		,	Diervilla sessilifolia	Deciduous	М	5'	FS	Dry	5'x5'	Seeds, seedlings, container 1 to 3 gal.	Fast growing, p

	А	В	С	D	Е	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE	10		_				0 111			
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
	C - LOWER										
4	SLOPE										
_	D - WATER'S										
5	EDGE										
	В	Hearts A'Bustin,	Euonymus	Both	M,P,C	5'	FS,P	Wet, Moist	6'x4'	Seeds, seedlings,	Ornamental, fa
		, and the second	americanus	Dotti	101,1 ,0		5,1	TVVEL, IVIOISL	0 14	_	including bottor
		Burning Bush, Bursting-	amencanus							_	& mixed forests
		heart									
		neart									green. SeptDo
											deer, mammals
33											shade but mos
33	Α	*Carolina Buckthorn,	Frangula	Deciduous	P,C	5'	FS,P	Dry, Moist	8'x4'	Seeds, seedlings,	Occures on mc
	['`	Indian Cherry, Pole-Cat-		Decidadas	,,,	ľ	0,1	Dry, Worst		_	habitat, new for
		Tree	Carollillaria							1	open hardwood
		1166									•
											Flowers-greeni
34											Berry/seeds. E
 	Α	*Wintergreen	Gaultheria	Evergreen	M,P,C	5'	P,Shade	Dry, Moist	5x5	Seeds, seedlings,	Fast growing, p
25		_	procumbens		,. ,	ľ	, 5,1,445	2.,,		container 1 to 3 gal.	
35			p. 30011150110							Journal of the gal.	

	Α	В	С	D	Е	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
	C - LOWER										
4	SLOPE										
5	D - WATER'S										
6	EDGE										
٣	A	Black Huckleberry	Gaylussacia	Deciduous	M,P,C	5'	FS	Moist, Dry	5'x5'	Seeds, seedlings,	Excellent Grou
	,		baccata (6	200.0000	,. ,0					1	to moist soils ir
			species in SE)							Journal Property	woodlands. Ma
			op co.co c=,								Berry eaten by
36										I .	butterflys.
	Α	Dwarf Huckleberry,	Gaylussacia	Both	M,P,C	2'	FS	Moist, Dry	2'x2'		Excellent Grou
		· · · · · · · · · · · · · · · · · · ·	dumosa(6								sandy soils of r
		, ,	species in SE)								elevation pine f
			, ,								Flowers-white.
37											mammals, rept
	А	Blue Huckleberry,	Gaylussacia	Deciduous	P,C	5'	FS	Moist, Dry	5'x5'	Seeds, seedlings,	Excellent Grou
		Dandleberry	frondosa (6							container 1 to 3 gal.	and well-draine
			species in SE)								bays, shrub bo
											Flowers-white.
											mammals, rept
38											·

	A	В	С	D	Е	F	G	Н	I	J	
1	RIPARIAN ZONE	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
	A - UPLAND	*Some shrubs can be considered small trees		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have berries
	B - UPPER SLOPE				Coastal	Min.	Shade		Width		All shrubs prov wildlife.
4	C - LOWER SLOPE										
	D - WATER'S										
39	A		Gaylussacia ursina (6 species in SE)	Deciduous	M,P,C	5'	FS	Moist, Dry	5'x5'	Seeds, seedlings, container 1 to 3 gal.	Excellent Grouto moist soils in woodlands. Ma Berry eaten by butterflys.
40	A		Hamamelis virginiana	Deciduous	M,P,C	10'	FS,P	Moist	20'x15'	Seeds, seedlings, container 1 to 3 gal.	Ornamental, ca sites, open to s plant in mixed f margins & bord yellow. OctNo & pollinated by
		•	Hibiscus moscheutos	Deciduous	P,C	8'	FS	Wet, Moist	6'x4'	Seeds, seedlings, container 1 to 5 gal.	Fast growing, p streams, marsh June-OctFlow Aug-Nov. Bird

	А	В	С	D	Е	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
	C - LOWER										
4	SLOPE										
5	D - WATER'S										
6	HI)(iH										
	В	Wild Hydrangea,	Hydrangea	Deciduous	M,P	5'	FS,P,Shade	Moist	6'x5'	Seeds, seedlings,	Ornamental, fa
		Climbing Hydrangea,	arborescens		'						mostly in rocky
		Sevenbark, Mountain									streams or mix
		Hydrangea									a vine. May-Jul
		, ,									Eaten by mamı
42											& butterflys.
	В	Oak-leaf Hydrangea	Hydrangea	Deciduous	M,P	5'	FS,P,Shade	Moist	6'x5'	Seeds, seedlings,	Ornamental, fa
			quercifolia							container 1 to 3 gal.	shady habitats,
											forests, borderi
											July-Flowers-w
											mammals, garr
43		O	Harragia /40	-	D 0		F0 D	Mat Maint D	4.014.51	0	butterflys.
	Α		llex coriacea (13	Evergreen	P,C	5'	FS,P	Wet, Moist, Dry	18'x15'	Seeds, seedlings,	Ornamental, fo
		. •	species in SE)							container 1 to 3 gal.	understory shru
		Inkberry									soils bordering
											woods, & swan
											FebFruit-black
44											mammals & ins
44					<u> </u>		l		l		Ann Gill Tryon St.

	А	В	С	D	Е	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2	D. HIDDED				0				100		A.II
3	B - UPPER SLOPE				Coastal	Min.	Shade		Width		All shrubs prov wildlife.
4	C - LOWER SLOPE										
	D - WATER'S										
5	EDGE										
6	I A	*Possumhaw	llex decidua (13	Deciduous	P,C	8'	FS,P,Shade	Dry	25'x15'	Seeds, seedlings,	Ornamental, fo
			species in SE)	Deciduous	F,C	0	rs,r,snaue	р П	25 8 15		understory shru
			species in or,							Container 1 to 5 gai.	soils bordering
											forests, low wo
											Flowers-white.
											songbirds, gam
45											
	Α			Evergreen	С	10'	P, Shade	Dry, Moist, Wet	10'x8'	Seeds, seedlings,	Ornamental, fo
		3.	species in SE)							container 1 to 5 gal.	understory shru
		Winterberry									prefers acidic s
											woodlands, pod
											June-Flowers-v
46											by songbirds, g
+0	Α	*American Holly	llex opaca (13	Evergreen	P,C	20'	FS,P,Shade	Dry	25'x15'	Seeds, seedlings,	Ornamental, fa
		,	species in SE)		. , •		2,. ,2	,		_	mixed upland 8
											soils. May-June
											Fruit. Eaten by
47											Amsectis/bees.
					•					700 N. 7	

	А	В	С	D	Е	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
	C - LOWER										
4	SLOPE										
5	D - WATER'S										
6	EDGE										
48		Winterberry	Ilex verticillata (13 species in SE)	Deciduous	M,P,C	8'	FS,P	Wet, Moist	10'x6'	Seeds, seedlings, container 1 to 5 gal.	Ornamental, fo understory shru soils bordering June-Flowers-v songbirds, gam
49	А	Yaupon Holly	Ilex vomitoria (13 species in SE)	Evergreen	P,C	8'	FS	Moist, Dry	15'x10'	Seedlings, container 3 to 15 gal.	Ornamental, fo understory shruprefers acidic s fields, open for May-June-Flow Eaten by songly insects/bees.
50		Virginia Willow, Sweetspire, Tassel- white, Washington Plume	Itea virginica	Deciduous	P,C	8'	FS,P, Shade	Wet, Moist	8'x6'	container 1 to 5 gal.	Ornamental, fa edge of stream low woodlands white. July-Feb butterflys & ins

	А	В	С	D	Е	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2					-						
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
,	C - LOWER SLOPE										
4	D - WATER'S										
5	EDGE										
6											
51		Mountain Laurel, Mountain Ivy, Calico Bush, Spoonwort	Kalmia latifolia	Evergreen	M,P	5'	FS,P, Shade	Wet, Moist	6'x5'	Seeds, seedlings, container 1 to 5 gal.	Ornamental, fo in dense thicke Infrequent alon Lower Pd & Cp white/pink. Sep & birds.
52		Kill, Wicky	Kalmia augustifolia var. caroliniana	Evergreen	P,C	5'	P,Shade	Wet, Moist	6'x5'	Seeds, seedlings, container 1 to 5 gal.	Ornamental, fo in dense thicke Infrequent alon Lower Pd & Cp white/pink. Sep & birds.
53	С	Coastal Dog-Hobble	Leucothoe axillaris	Evergreen	С	6'	P,Shade	Wet, Moist	6'x4'	Seedlings, container 3 to 15 gal.	Ornamental, fo prefers wet to r woodlands, mix
54	С	Dog-Hobble	Leucothoe editorum	Evergreen	M,P	6'	P,Shade	Wet, Moist	6'x4'	Seedlings, container 3 to 15 gal.	Ornamental, fo wet to moist so woodlands, mix

	А	В	С	D	Е	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE									·	
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
	C - LOWER										
4	SLOPE										
5	D - WATER'S										
6	ED/GE										
	С	Fetterbush, Sweetbells	Leucothoe	Evergreen	P,C	6'	P,Shade	Wet, Moist	6'x4'	Seedlings,	Ornamental, fo
		,	racemosa	Ü	,		,			container 3 to 15	wet to moist so
55										gal.	woodlands, boเฺ
	В	Spicebush	Lindera benzoin	Deciduous	M,P,C	5'	P,Shade	Wet, Moist	6'x5'	Seeds, seedlings,	Ornamental, fa
		•									bordering strea
											aromatic. Eater
56											insects.
	В	Male-Berry, Male-		Deciduous	P,C	10'	FS, P	Wet, Moist	10'x8'	Seeds, seedlings,	Ornamental, fa
		Blueberry	(5 species in SE)								bordering strea
57	_				_		_				mammals, bird
	С	Fetterbush	Lyonia lucida (5	Deciduous	P,C	5'	FS,P	Wet, Moist	6'x5'	Seeds, seedlings,	Ornamental, fa
			species in SE)								bordering strea
58											mammals, bird
	Α	_	Myrica cerifera 5	Evergreen	P,C	10'	FS,P	Dry, Moist	25'x20'	Container, 1 to 3	Non-legume nit
		Bayberry, Candleberry	species in SE							gal.	hedge, spreads
											roadsides, ditcl
											used to repell ii
											gamebirds, sor ^{Ann} Gill
59											ryon St.

	A	В	С	D	Е	F	G	Н	I _	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2	D. LIDDED				0 11	D. 41) A (' 141		
3	B - UPPER SLOPE				Coastal	Min.	Shade		Width		All shrubs prov wildlife.
4	C - LOWER SLOPE										
	D - WATER'S										
5	EDGE										
6	A	Ninebark	Physocarpus	Deciduous	M,P,C	10'	FS,P	Moist, Wet	10'x8'	Seeds, seedlings,	Occures along
	^		opulifolius	Deciduous	IIVI,F,C	10		INIOISI, WEI	10 80	container 1 to 5 gal.	& moist cliffs. A
			Opulliolius							Journaline 1 to 5 gal.	Seeds. Eaten t
60											Coodo: Edion t
	А	Pasture Rose, Carolina	Rosa carolina	Deciduous	M,P,C	5'	FS	Moist, Dry	3'x3'	Seeds, seedlings,	Fast growing, p
		Rose								container 1 to 5 gal.	open woodland
61											
	А		Rhododendron	Deciduous	P,C	6'	FS	Moist, Dry	6'x3'	Seeds, seedlings,	Fast growing, p
			atlanticum							container 1 to 5 gal.	woods and sav
62	D		Dhadada: dis	Daaidoo	MD	01	EC D	Majet Des	401.01	Coods of allies	Bird and butter
	В		Rhododendron	Deciduous	M,P	8'	FS,P	Moist, Dry	12'x8'	Seeds, seedlings,	Fast growing, p
			calendulaceum							container 1 to 5 gal.	streams, low wand butterfly fo
63	A	Catawba Rhododendron	Rhododendron	Deciduous	M,P	10'	FS	Moist, Dry	15'x10'	Seeds, seedlings,	Fast growing, p
			catawbiense	Deciduous	1171,1		' \	INIOISI, DIY	13 × 10	1	slopes, ridges a
64										Joshamor 1 to 5 gai.	Hummingbird a
	В	*Rosebay	Rhododendron	Deciduous	M,P	10'	FS	Moist	15'x10'	Seeds, seedlings,	Fast growing, p
		•	maximum		,-				1.07.10	container 1 to 5 gal.	
65		Laurel									
								1		' 700 N. '	Tryon St.

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	A	В	С	D	E	F	G	Н	l l	J	
		Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2	D. 110050				0	2.41) A (1 1 1 1		A !! . ! . !
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE C - LOWER										wildlife.
4	SLOPE										
一	D - WATER'S										
5	FDGE										
6	(-										
	А		Rhododendron	Deciduous	M,P	6'	P, Shade	Moist, Dry	6'x3'	Seeds, seedlings,	Fast growing, p
			nudiflorum var.							container 1 to 5 gal.	woods and thic
			canescens								Bird and butter
66	С	Swamp Azalea	Rhododendron	Deciduous	M,P,C	6'	P, Shade	Wet, Moist	6'x3'	Seeds, seedlings,	Fast growing, p
		•	viscosum (R.		,,,,,,	ľ	, oriado	TVVOL, IVIOISE		_	swamps. Bird a
67			serrulata)							Jestitalijoi i to o gali.	S. ampo. Bild c
67	A		· · · · · · · · · · · · · · · · · · ·	Deciduous	P,C	5'	FS	Dry	1' -	Seeds, seedlings,	Groundcover, f
	, ,	i ragiant Camao	Titlas aromanoa	2000000	, , ,		l [.]		['	containers	right of ways &
											FebMay-flow€
											seeds. Seeds €
68											birds.
	Α	<u> </u>	Rhus copallina	Deciduous	M,P,C	5'	FS	Moist, Dry	25' -6"	Seeds, seedlings,	Fast growing, ε
		Winged Sumac, Dwarf								containers	ways & forest r
		Sumac									flowers-greenis
											eaten by mamr
69											

	А	В	С	D	Е	F	G	Н	I	J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
	C - LOWER										
4	SLOPE										
_	D - WATER'S										
5 6	FDGE										
	Α	*Smooth Sumac,	Rhus glabra	Deciduous	M,P,C	5'	FS	Moist, Dry	20' -4"	Seeds, seedlings,	Fast growing, ε
		Scarlet Sumac,	Titlus glabia	Doddada	''','' ,	Ĭ		liviolot, Diy		containers	ways & forest r
		Common Sumac									flowers-greenis
											eaten by mamr
70											
	Α	*Staghorn Sumac,	Rhus hirta (Rhus	Deciduous	M,P	5'	FS	Moist, Dry	30' -8"	Seeds, seedlings,	Fast growing, ε
		Velvet Sumac	typhina)							containers	ways & forest r
											flowers-greenis
											eaten by mamr
71											
		· · · · · · · · · · · · · · · · · · ·	Rosa carolina	Deciduous	M,P,C	5'	FS,P	Dry, Moist	5'x5'	Seeds, seedlings,	Fast growing, ε
		Rose								container 1 to 5 gal.	woodland bord
72		0 0	D 1 ()	<u> </u>	14.5.0	4.01	 	NA	01.01		mammals & ma
	C	Swamp Rose	Rosa palustris	Deciduous	M,P,C	10'	FS,P, Shade	Wet, Moist	8'x6'	Seeds, seedlings,	Fast Growing, I
										container 1 to 5 gal.	ponds & swam
73		Allert ex Di II	D. I	D I	MD	F1		NA. C. C. D.	401.401	0	birds
	Α			Deciduous	M,P	5'	FS	Moist, Dry	10'x10'	Seeds, seedlings,	Fast growing, p
			Eubatus								woodlands bor
74			allegheniensis						1	700 N	birdagod.

	A	В	С	D	Е	F	G	Н	I	J	
1	RIPARIAN ZONE	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
2		*Some shrubs can be considered small trees		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have berries
	B - UPPER SLOPE				Coastal	Min.	Shade		Width		All shrubs prov wildlife.
4	C - LOWER SLOPE										
5	D - WATER'S										
75		Purple Flowering Raspberry	Rubus odoratus	Deciduous	M	5'	FS	Moist, Dry	5'x5'	_	Fast growing, p slopes, streaml thorns. Butterf
76	В	Prairie Willow	Salix humilis	Deciduous	M,P	6'	FS	Moist	6'x5'	Seeds, seedlings,	Fast Growing, patreams, marsh
77	В	Silky Willow	Salix sericea	Deciduous	M,P	15'	FS	Moist	15'x10'	1	Fast Growing, patreams, woodl
		, ,	Sambucus canadensis	Deciduous	M,P,C	10'	FS	Wet, Moist	12'x10' -6"	(Cuttings are successful)	Fast growing, for sites, in open he flowers, Aug-O edible to huma species birds.
	D		Spiraea tomentosa & Spiraea alba	Deciduous	M,P,C	10'	FS,P	Wet, Moist	8'x6'	Seeds, seedlings,	Fast growing, p

	A	В	С	D	Е	F	G	Н		J	
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
	ZONE										
		*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
	SLOPE										wildlife.
	C - LOWER										
_	SLOPE D. WATER'S										
	D - WATER'S										
6				<u> </u>							
	С	Virginia Stewartia, Silky	Stewartia	Deciduous	P,C	10'	FS,P,Shade	Moist	8'x6'	Seeds, seedlings,	Fast growing, p
		, ,	malacodendron	1	<u> </u>		1	Į .			streambanks, l
80	1		l l	1	1		1	l			1
_	С	Mountain Stewartia	Stewartia ovata	Deciduous	M,P	10'	FS,P,Shade	Moist	8'x6'	Seeds, seedlings,	Fast growing, p
	1		1	1	<u> </u>	1		1			streambanks, l
81											
	Α		'	Deciduous	P,C	8'	FS,P	Moist, Dry	6'x5'	_	Fast growing, p
	1		americana	1	<u> </u>	1		1		container 1 to 5 gal.	woods, mixed f
82	1			<u></u>	<u></u>	L	<u></u>			<u> </u>	<u></u>
	A	Bigleaf Snowbell	Styrax grandifolia	Deciduous	P,C	8'	FS,P	Moist, Dry	6'x5'		Fast growing, p
	1		1	1	1	1				container 1 to 5 gal.	woods, mixed f
83	1		<u></u>	<u></u>					1051 15	<u></u>	<u></u>
	A	'		Evergreen	P,C	8'	FS,P	Moist, Dry	25'x15'		Fast growing, p
	·	1	arboreum	1	1	1	1		1		upland, forest ι
0.4	·	1	1	1	1	1	1		1		eaten by mamr
84	A	Black Highbush	Vaccinium	Evergroop	P,C	8'	FS,P	Moist, Dry	8'x6'	•	many birds.
		Ŭ		Evergreen	l' ,C	1	J' 3, F	אוטופו, טוא	0 10	container 1 to 5 gal.	Fast growing, p
or	·	סומפטפווץ	atrococcum	1	1	1	1	Į.	1	Di	norest understo _A@maihs. Fruit €
85	<u> </u>		<u> </u>	<u></u>	<u> </u>		<u></u>	<u> </u>		700 N. h	Tryon St.

	А	В	С	D	Е	F	G	Н	I	J	
		Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2	D. LIDDED				0	N 41 .	OL - L		\A/: 1/1		All all all and an area
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE C - LOWER										wildlife.
4	SLOPE										
<u> </u>	D - WATER'S										
5	EDGE										
6		IP.II. I DI I	Manada	-	MDC	01	 	Maria D	401.01	0	E (
	В	,		Evergreen	M,P,C	8'	FS	Moist, Dry	10'x6'	Seeds, seedlings, container 1 to 5 gal.	Fast growing, p
			corymbosum (V.virgata,								pocosins, pine and clearings.
			formosa)								by mammals, r
86			Tormoody								birds
	А	Creeping Blueberry	Vaccinium	Evergreen	P,C	5'	FS	Moist, Dry	2'x1'	Seeds, seedlings,	Groundcover; f
			crassifolium								soils, poccosing
											understory, and
											reptiles, insects
87		Filliatt Divide anni	\/		MDC	0,	D Chadu	Mat Maiat	4.01-01		edible to huma
			Vaccinium elliottii	⊏vergreen	M,P,C	8'	P,Shady	Wet, Moist	10'x8'		Fast growing, p
		Mayberry								container 1 to 5 gal.	streams and sv
88											mammals, rept
	Α	Huckleberry, Southern	Vaccinium	Evergreen	M,P,C	8'	FS	Moist, Dry	20'x15'	Seeds, seedlings,	Fast growing, p
		• •	stamineum	_ : 5: 9: 5 : 1	,. ,•					_	forest understo
											mammals, rept
89											

	А	В	С	D	Е	F	G	Н		J	
		Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
	ZONE										
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER SLOPE				Coastal	Min.	Shade		Width		All shrubs prov wildlife.
	C - LOWER										wildlife.
4	SLOPE										
	D - WATER'S										
	EDGE										
6	A	Lowbuch Plughorn	Vaccinium	Evergreen	P,C	3'	FS	Dny	1'x1'	Coods coodlings	Foot growing s
	^	,	tenellum	Evergreen	F,C	3	5	Dry		Seeds, seedlings, container 1 to 5 gal.	Fast growing, punderstory, and
			i GilGilui II							Journaline 1 to 5 gal.	reptiles, insects
90											Toptilos, maeck
	А	Lowbush Blueberry	Vaccinium	Evergreen	P,C	3'	FS	Dry	1'x1'	Seeds, seedlings,	Fast growing, p
			vacillans							container 1 to 5 gal.	understory, and
											reptiles, insects
91		54 1 1 657	\ P1	D	 	01		N 4 . 4	01.01	<u> </u>	<u> </u>
	В	•		Deciduous	M,P	6'	FS	Moist	8'x6'	Seeds, seedlings,	Deep rooted, fo
			acerifolium							container 1 gal.	in valleys, slope
92										(Cuttings are successful)	Prolific berries
	В	Southern Arrowwood	Viburnum	Deciduous	M,P,C	6'	FS	Moist, Dry	10'x6'	Seeds, seedlings,	Deep rooted, w
			dentatum		, , , , -					container 1 gal.	swamps, formir
										(Cuttings are	many species (
93										successful)	,
	В	Possumhaw Viburnum	Viburnum nudum	Deciduous	M,P,C	6'	FS	Wet, Moist	16x10'	Seeds, seedlings,	Deep rooted, m
										container 1 gal.	forming thicket:
											spegies of birds
94					ļ	<u>l</u>			1	successful) 700 N	,

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	A	В	С	l D	E	F	G	Н	1 1	1	I
	RIPARIAN	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita
1	ZONE	Common Name	Dotailleal Name	Deciduous	iviouritairi	ixale of	ir uii Suri,	Soli Moisture	iviax.	Joeed production	Deficilis, Habita
	A - UPLAND	*Some shrubs can be		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have
	BUFFER	considered small trees									berries
2											
	B - UPPER				Coastal	Min.	Shade		Width		All shrubs prov
3	SLOPE										wildlife.
	C - LOWER										
4	SLOPE										
_	D - WATER'S										
5 6	EDGE										
\vdash	B	Nannyberry	Viburnum	Deciduous	M,P,C	6'	FS	Wet, Moist	20'x10'	Seeds, seedlings,	Deep rooted, n
		i varii iyberi y	lentago	Deciduous	101,1 ,0		3	Wet, Moist	20 X 10		flowers, Late su
			lemago							(Cuttings are	edible to huma
95										successful)	species of birds
	В	Blackhaw Viburnum	Viburnum	Deciduous	M,P,C	6'	FS	Moist	25'x16'	Seeds, seedlings,	Deep rooted, n
			prunifolium		, ,					container 1 gal.	slopes, in thick
			<u>'</u>							(Cuttings are	white flowers, f
96										successful)	to humans.
	В	Downy Arrowwood	Viburnum	Deciduous	Р	6'	FS	Moist	20'x16'	Seeds, seedlings,	Deep rooted, m
			rafinesquianum							container 1 gal.	and edges of fo
										(Cuttings are	species of birds
97										successful)	
	В	Rusty Blackhaw	Viburnum	Deciduous	P,C	6'	FS	Moist	20'x16'	Seeds, seedlings,	Deep rooted, n
			rufidulum							•	of forest, formir
										(Cuttings are	many species (
98	D	Vallauraat	Xanthorhiza	Dooid	MDC	4'	D Chada	\\/ot \\/oiot	3'x3'	successful)	Doon rooted
	D	Yellowroot		Deciduous	M,P,C	4	P,Shade	Wet, Moist	S XS	Seeds, seedlings,	Deep rooted, w
			simplicissima							container 1 gal.	streambanks.
99											Ann Gill
99				1		1	<u> </u>	1		successful) 700 N.	ryon St.

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	А	В	С	D	Е	F	G	Н	I	J		
1	RIPARIAN ZONE	Common Name	Botanical Name	Deciduous	Mountain	Rate or	Full Sun,	Soil Moisture	Max.	Seed production	Benefits, Habita	
2	A - UPLAND BUFFER	*Some shrubs can be considered small trees		Evergreen	Piedmont	Spacing	Partial,	Condition:	Height,		All shrubs have berries	
3	B - UPPER SLOPE				Coastal	Min.	Shade		Width		All shrubs prov wildlife.	
4	C - LOWER SLOPE											
	D - WATER'S											
6												
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