

**RIPARIAN AREA VEGETATION SCHEDULE**

CONTAINER PLANTING ZONE	SPECIES GROUP <sup>2</sup>	SPECIES <sup>3</sup>	INDICATOR STATUS	PLANT SPACING <sup>3</sup>	CONTAINER SIZE:		AREA (SQ. FT.)	PLANTING QUANTITIES (BASED ON ONE-GALLON SIZE) <sup>4</sup>							
					RATE PLANTS PER ACRE	PLANTS		A	B	D	E	G			
					PER ACRE	PLANTS		507	1,940	8,948	4,971	2,200			
RIPARIAN FOREST	1	QUERCUS ALBA (WHITE OAK)	FAQU-	SEE NOTE #3	300	111	-	-	-	-	-	-	-	-	-
		QUERCUS BICOLO (SWAMP WHITE OAK)	FAQU-	SEE NOTE #3	600	222	-	-	-	-	-	-	-	-	-
		QUERCUS PALUSTRIS (PIN OAK)	FAQU-	SEE NOTE #3	600	222	-	-	-	-	-	-	-	-	-
	2	QUERCUS PHELLOUS (WILLOW OAK)	FAQU-	SEE NOTE #3	300	111	-	-	-	-	-	-	-	-	-
		QUERCUS RUBRA (NORTHERN RED OAK)	FAQU-	SEE NOTE #3	300	111	-	-	-	-	-	-	-	-	-
		QUERCUS RUBRA (NORTHERN RED OAK)	FAQU-	SEE NOTE #3	300	111	-	-	-	-	-	-	-	-	-
	3	ACER NEGUNDO (BOX ELDER)	FAQU-	SEE NOTE #3	150	56	-	-	-	-	-	-	-	-	-
		ACER RUBRUM (RED MAPLE)	FAQU-	SEE NOTE #3	150	56	-	-	-	-	-	-	-	-	-
		BETULA NIGRA (RED BIRCH)	FAQU-	SEE NOTE #3	150	56	-	-	-	-	-	-	-	-	-
	4	AMELANCHIER CANADENSIS (CANADIAN SERVICEBERRY)	FAQU-	SEE NOTE #3	150	56	-	-	-	-	-	-	-	-	-
		CERIS CANADENSIS (EASTERN REDBUD)	FAQU-	SEE NOTE #3	150	56	-	-	-	-	-	-	-	-	-
		CORNUS FLORIDA (FLOWERING DOGWOOD)	FAQU-	SEE NOTE #3	150	56	-	-	-	-	-	-	-	-	-
	5	CORNUS AMOMIUM (SILKY DOGWOOD)	FAQU-	SEE NOTE #3	150	56	-	-	-	-	-	-	-	-	-
		LEX VERTICILLATA (COMMON WINTERBERRY)	FAQU-	SEE NOTE #3	150	56	-	-	-	-	-	-	-	-	-
		SAMBUCUS CANADENSIS (ELDERBERRY)	FAQU-	SEE NOTE #3	150	56	-	-	-	-	-	-	-	-	-
<b>STREAM BANK QUANTITY SUBTOTALS</b>															
<b>STREAM BANK QUANTITY SUBTOTALS</b>															
<b>STREAM EDGE QUANTITY SUBTOTALS</b>															

**SEEDING SCHEDULE**

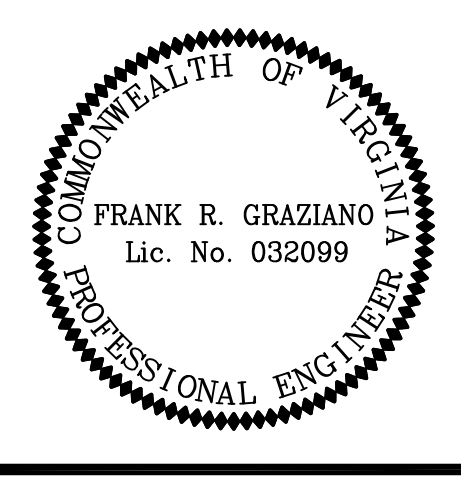
SEED PLANTING ZONE	SPECIES GROUP <sup>2</sup>	SPECIES <sup>3</sup>	INDICATOR STATUS	SEEDING RATE (LBS/AC)	AREA PER PLANT (AC)	QUANTITY	SEEDING QUANTITIES					
							A	B	D	E	G	
RIPARIAN BUFFER SEED MIX	7	COLLUM MULTIFLORUM (ANNUAL REGRESS)	NI	46.00	0.43	19.23	0.54	2.03	9.23	5.13	2.30	
		SETARIA ITALICA (FOXTAIL MILLET)	UPL	46.00	0.43	19.23	0.54	2.03	9.23	5.13	2.30	
		CAREX SCOPARIA (BLUNT BROOM SEDGE)	FAQU-	0.20	0.43	0.08	0.00	0.01	0.04	0.02	0.01	
	8	CAREX SQUARROSA (SQUARE SEDEGE)	NI	0.20	0.43	0.08	0.00	0.01	0.04	0.02	0.01	
		CAREX VULPINOIDEA (FOX SEDEGE)	OBL	0.20	0.43	0.08	0.00	0.01	0.04	0.02	0.01	
		CYPERUS ESCULENTUS (CHIFFA)	FAQU-	0.20	0.43	0.08	0.00	0.01	0.04	0.02	0.01	
	9	JUNCUS EFFUSUS (SOFT RUSH)	FAQU-	0.20	0.43	0.08	0.00	0.01	0.04	0.02	0.01	
		JUNCUS TENUIS (PATH RUSH)	FAQU-	0.20	0.43	0.08	0.00	0.01	0.04	0.02	0.01	
		ELIMUS REPENS (RIVERBANK WILD RIE)	FAQU-	10.00	0.43	4.27	0.12	0.45	2.05	1.14	0.51	
	10	ELIMUS VIRGINICUS (VIRGINIA WILD RIE)	FAQU-	10.00	0.43	4.27	0.12	0.45	2.05	1.14	0.51	
		PANICUM CANADENSE (DEER TONGUE GRASS)	FAQU-	10.00	0.43	4.27	0.12	0.45	2.05	1.14	0.51	
		PANICUM DICHOTOMIFOLIUM (SMOOTH PANIC GRASS)	FAQU-	10.00	0.43	4.27	0.12	0.45	2.05	1.14	0.51	
	11	ASTER NOVE-ANGULAE (NEW ENGLAND ASTER)	FAQU-	0.10	0.43	0.04	0.00	0.00	0.02	0.01	0.01	
		ASTER PLOSUS (HEATH ASTER)	UPL	0.10	0.43	0.04	0.00	0.00	0.02	0.01	0.01	
		ASTER PRENANTHODES (ZIG ZAG ASTER)	FAQU-	0.10	0.43	0.04	0.00	0.00	0.02	0.01	0.01	
12	LIUM SUPERBUM (TURKSCAP TILLY)	FAQU-	0.10	0.43	0.04	0.00	0.00	0.02	0.01	0.01		
	SOLIDAGO JUNCEA (EARLY GOLDENROD)	UPL	0.10	0.43	0.04	0.00	0.00	0.02	0.01	0.01		
	EUPATORIUM FISTULOSUS (JOE PIE WEEED)	FAQU-	0.10	0.43	0.04	0.00	0.00	0.02	0.01	0.01		
13	EUPATORIUM PERULATUM (BONSETI)	FAQU-	0.10	0.43	0.04	0.00	0.00	0.02	0.01	0.01		
	EUTHAMA GRAMINIFOLIA (GRASS LEAVED GOLDENROD)	FAQU-	0.10	0.43	0.04	0.00	0.00	0.02	0.01	0.01		
	SOLIDAGO CANADENSIS (CANADIAN GOLDENROD)	UPL	0.10	0.43	0.04	0.00	0.00	0.02	0.01	0.01		
14	SOLIDAGO SPECIOSA (SHOWY GOLDENROD)	UPL	0.10	0.43	0.04	0.00	0.00	0.02	0.01	0.01		
	VERNONIA NOYBORACENSIS (NEW YORK ROWWEEED)	FAQU-	0.10	0.43	0.04	0.00	0.00	0.02	0.01	0.01		
	ZZZA AUREA (GOLDEN ALEXANDERS)	UPL	0.10	0.43	0.04	0.00	0.00	0.02	0.01	0.01		
15	BOEBS FRONDOSA (BEGGAR TICKS)	FAQU-	0.20	0.43	0.08	0.00	0.01	0.04	0.02	0.01		
	HELENIUM AUTUMNALE (COMMON SNEEZEWEED)	FAQU-	0.20	0.43	0.08	0.00	0.01	0.04	0.02	0.01		
	HELIANTHUS ANGLUSTIFOLIUS (NARROW LEAF SUNFLOWER)	FAQU-	0.20	0.43	0.08	0.00	0.01	0.04	0.02	0.01		
SEEDING TOTALS												

**PLANTING AND SEEDING NOTES:**

- It is expected and preferred that all species in each of the Species Groups are planted. The tolerances listed in this note are intended to incorporate flexibility according to species availability. At a minimum, Contractor to provide at least:
  - 3 of the 5 species in Group 1,
  - 4 of the 6 species in Group 2,
  - all of Group 3,
  - 5 of the 7 species in Group 4,
  - 3 of the 4 species in Group 5,
  - 3 of the 4 species in Group 6 (with *Salix nigra* a required species),
  - all of Group 7,
  - Substitutions for selected species based upon availability shall be requested in writing to engineer documenting the lack of availability if the flexibility inherent in the above schedule is still not sufficient. Engineer is under no obligation to approve substitutions.
  - The planted trees and shrubs shall be randomly spaced and species mixed throughout the planting areas.
  - Container rates and quantities shown for one gallon size. For purposes of substitution, two tubelings are the equivalent of one 1-gallon container plant in this schedule. Contractor may provide a mix of container and tubeling sizes for each species requirement, provided the ratio of tubelings to containers is not less than 2:1. Exception - Group 6 (Stream Edge) shall be planted in accordance with Note #5.
  - Group 6 (Stream Edge) zone shall be planted with tubelings or as livestock (Salix nigra only, and only between February 1 and March 31). No one gallons are required to be used for any of this Group's species.
  - Stream Bank and Stream Edge zones to be planted so that the combined mix of species is approx. 3" O.C. and 1" O.C., respectively. These zones shall not be planted such that each individual species in these zones is planted at these rates, resulting in tighter spacing.
  - All seeding rates are expressed in pounds of pure live seed (PLS).

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Northern Virginia Stream Restoration Bank  
 The Glade - Reach 6 Storm Repair  
 Fairfax County, Virginia  
**Riparian Vegetation Schedule**  
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Rev. By	App. By	Description	Date

DATE: OCTOBER 2011      SCALE: N/A

Horizontal Datum: N/A  
 Vertical Datum: N/A  
 Boundary and Topo Source: N/A

Design: N/A  
 SRP: N/A  
 N/S: FRG  
 Approved: [Signature]

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