

PFO AREA VEGETATION SCHEDULE

CONTAINER PLANTING ZONE	SPECIES GROUP ^{1,2}	SPECIES ²	INDICATOR STATUS	PLANT SPAWG ³	RATE AND QUANTITY ⁴ PLANTS PER ACRE	CONTAINER SIZE, # OF PLANTS	PLANTING QUANTITIES (BASED ON ONE-GAL SIZE) ⁴		
							AREA (SF):	AREA (AC):	
PFO FOREST	1	QUERCUS BICOLORE (SWAMP WHITE OAK)	FACW+	SEE NOTE #3	200	8	774	1.790	
		QUERCUS PULSTERS (PIN OAK)	FACW	SEE NOTE #3	400	8	0.02	0.04	
		QUERCUS PHELLOS (WILLOW OAK)	FAC+	SEE NOTE #3	MIX AT RATIO (SEE NOTE #4)	8	176	-	
		ACER NEGUNDO (BOX ELDER)	FAC+	SEE NOTE #3	350	14	-	-	
		ACER RUBRUM (RED MAPLE)	FAC	SEE NOTE #3	ONE-GALLON	14	-	-	
		BETULA NIGRA (EVER BIRCH)	FACW	SEE NOTE #3	ONE-GALLON	14	-	-	
		CARPENUS CAROLINANA (IRONWOOD OR MUSCLEWOOD)	FAC	SEE NOTE #3	MIX AT 12 RATIO (SEE NOTE #4)	8	-	-	
		LIQUIDAMBAR STRACACULA (SWEET GUM)	FAC	SEE NOTE #3	MIX AT 12 RATIO (SEE NOTE #4)	8	-	-	
		NYSSA SYLVATICA (BLACK GUM)	FACW+	SEE NOTE #3	MIX AT 12 RATIO (SEE NOTE #4)	8	-	-	
		PLATANUS OCCIDENTALIS (AMERICAN Sycamore)	FACW-	SEE NOTE #3	MIX AT 12 RATIO (SEE NOTE #4)	8	-	-	
		SALIX NIGRA (BLACK WILLOW)	FACW+	SEE NOTE #3	200	8	-	-	
		AMELANCHIER CANADENSIS (CANADIAN SERVICEBERRY)	FAC	SEE NOTE #3	150	6	-	-	
		ALNUS SERICATA (BROOKSIDE ALDER)	OBL	SEE NOTE #3	ONE-GALLON	6	-	-	
		CEPHALANTHUS OCCIDENTALIS (BUTTERNUT)	OBL	SEE NOTE #3	ONE-GALLON	6	-	-	
LEXY VERTICILLATA (COMMON WINTERBERRY)	FACW+	SEE NOTE #3	300	6	-	-			
LINDERA BENZON (NORTHERN SPICEBUSH)	FACW+	SEE NOTE #3	TUBELINGS	6	-	-			
VIBURNUM DENTATUM (SOUTHERN ARROWWOOD)	FAC	SEE NOTE #3	MIX AT RATIO (SEE NOTE #4)	6	-	-			
RIPARIAN FOREST QUANTITY SUBTOTALS							900	36	36
STREAM BANK	5	CORNUS AMOMUM (SLKY DOGWOOD)	FACW	SEE NOTE #3	50	59	-	-	
		LEXY VERTICILLATA (COMMON WINTERBERRY)	FACW+	SEE NOTE #3	50	59	-	-	
STREAM BANK QUANTITY SUBTOTALS	5	SAMBUCUS CANADENSIS (ELDERBERRY)	FACW-	SEE NOTE #3	50	59	-	-	
		VIBURNUM DENTATUM (SOUTHERN ARROWWOOD)	FAC	SEE NOTE #3	50	59	-	-	
STREAM EDGE	6	ALNUS SERICATA (BROOKSIDE ALDER)	OBL	SEE NOTE #3	176	176	-	-	
		CORNUS AMOMUM (SLKY DOGWOOD)	FACW	SEE NOTE #3	176	176	-	-	
STREAM EDGE QUANTITY SUBTOTALS	6	SALIX NIGRA (BLACK WILLOW)	FACW+	SEE NOTE #3	176	176	-	-	
		VIBURNUM DENTATUM (SOUTHERN ARROWWOOD)	FAC	SEE NOTE #3	176	176	-	-	

SEEDING SCHEDULE

SEED PLANTING ZONE	SPECIES GROUP ^{1,2}	SPECIES ²	INDICATOR STATUS	SEEDING RATE (LBS/AC)	AREA PER PLANT (AC)	QUANTITY (LBS)	SEEDING QUANTITIES		
							C	F	
PFO SEED MIX	11	LOLLIUM MULTIFLORUM (ANNUAL PREGRASS)	NI	45.00	0.06	2.70	0.90	1.80	
		SETARIA FULVA (FOXTAIL MILLET)	UPL	45.00	0.06	2.70	0.90	1.80	
		CAREX SCOPARIA (BLUNT BROOM SEDGE)	FACW	0.30	0.06	0.02	0.01	0.01	
		CAREX SQUARROSA (SQUARE ROSE SEDGE)	FACW	0.30	0.06	0.02	0.01	0.01	
		CAREX VULPINOIDEA (FOX SEDGE)	OBL	0.30	0.06	0.02	0.01	0.01	
		CYPERUS ESCULENTUS (CHufa)	FACW	0.30	0.06	0.02	0.01	0.01	
		JUNCUS EFFUSUS (SOFT RUSH)	FACW+	0.30	0.06	0.02	0.01	0.01	
		JUNCUS TENNIS (PATH RUSH)	FAC-	0.30	0.06	0.02	0.01	0.01	
		ELYNUS PRARIS (RIVERBANK WILD RYE)	FACW	10.00	0.06	0.60	0.20	0.40	
		ELYNUS VIRGATICUS (VIRGINA WILD RYE)	FACW	10.00	0.06	0.60	0.20	0.40	
		PANICUM CLAUDIUM (DEER TONGUE GRASS)	FAC+	10.00	0.06	0.60	0.20	0.40	
		PANICUM DICHOTOMIFOLIUM (SMOOTH PANIC GRASS)	FACW-	10.00	0.06	0.60	0.20	0.40	
		ALISMA SUBCROBATA (WATER PLANTAIN)	OBL	0.10	0.06	0.00	0.00	0.00	
		ASTER NOVAE-ANGLIAE (NEW ENGLAND ASTER)	FACW-	0.10	0.06	0.00	0.00	0.00	
		ASTER PUNCEUS OR SYMPHOTICHUM PLOSUM (PURPLE STEW)	OBL	0.10	0.06	0.00	0.00	0.00	
ASTER PREHANNIHOIDES (ZIGZAG ASTER)	FAC	0.10	0.06	0.00	0.00	0.00			
LIUM SUPERBUM (TURKISH CAP T.L.Y)	FACW+	0.10	0.06	0.00	0.00	0.00			
SCIRPUS CPERPENSIS (WOOL GRASS)	FACW+	0.10	0.06	0.00	0.00	0.00			
EUPATORIUM ESTIOSUS (JOE PINE WEEED)	FACW	0.10	0.06	0.00	0.00	0.00			
EUPATORIUM PERFORIATUM (BOONET)	FACW+	0.10	0.06	0.00	0.00	0.00			
EUTHAMIA GRAMINFOLIA (GRASS LEAVED GOLDENROD)	FAC	0.10	0.06	0.00	0.00	0.00			
LUDWIGA ALTERNIFOLIA (BUSH SEEDBOX)	FACW+	0.10	0.06	0.00	0.00	0.00			
VERNONIA KNOXII (NEW YORK ROWWEED)	FACW+	0.10	0.06	0.00	0.00	0.00			
ZEA ALPHEA (GOLDEN ALEXANDERS)	FAC	0.10	0.06	0.00	0.00	0.00			
ASCLEPIAS INCARNATA (SWAMP MILKWEEED)	OBL	0.20	0.06	0.01	0.00	0.01			
BIDENS FRONDOSA (BEGGAR TACK)	FACW	0.20	0.06	0.01	0.00	0.01			
HELENIUM AUTUMNALE (COMMON SNEEZEWEED)	FACW+	0.20	0.06	0.01	0.00	0.01			
HELIANTHUS ANGLUSTIFOLIUS (NARROW LEAF SUNFLOWER)	FACW	0.20	0.06	0.01	0.00	0.01			
ONOCLEA SENSIBILIS (SENSITIVE FERN)	FACW	0.20	0.06	0.01	0.00	0.01			
PENSTEMON DIGITALIS (PENSTEMON)	FAC	0.20	0.06	0.01	0.00	0.01			
VERBENA HASYATA (BLUE VERVAIN)	FACW+	0.20	0.06	0.01	0.00	0.01			
VERBESINA ALTERNIFOLIA (WINGSYSTEM)	FAC	0.20	0.06	0.01	0.00	0.01			
LEERSIA ORIZOIDES (REEF CUT GRASS)	OBL	0.20	0.06	0.01	0.00	0.01			
POLYGONUM HENSTII (NARROW LEAF SMARTWEEED)	FACW	0.20	0.06	0.01	0.00	0.01			
SENA HERCOPAL (WILD SENNA)	FAC	0.20	0.06	0.01	0.00	0.01			
SOLIDAGO RIGIDA (WINKLED GOLDENROD)	FAC	0.20	0.06	0.01	0.00	0.01			
AMELANCHIER CANADENSIS (CANADIAN SERVICEBERRY)	FAC	0.20	0.06	0.01	0.00	0.01			
HAMMELIS VIRGINIANA (WITCH HAZEL)	FAC-	0.20	0.06	0.01	0.00	0.01			
LEXY VERTICILLATA (WINTERBERRY)	FACW+	0.20	0.06	0.01	0.00	0.01			
LINDERA BENZON (NORTHERN SPICEBUSH)	FACW-	0.20	0.06	0.01	0.00	0.01			
PHISOCARPUS OPULIFOLIUS (COMMON INEBARK)	FACW-	0.20	0.06	0.01	0.00	0.01			
SPEREA TOMENTOSA (STEEL PEBUSH)	FACW	0.20	0.06	0.01	0.00	0.01			
VIBURNUM DENTATUM (SOUTHERN ARROW WOOD)	FAC	0.20	0.06	0.01	0.00	0.01			
ACER RUBRUM (RED MAPLE)	FAC	0.20	0.06	0.01	0.00	0.01			
CARPENUS CAROLINANA (IRONWOOD OR MUSCLEWOOD)	FAC	0.20	0.06	0.01	0.00	0.01			
NYSSA SYLVATICA (BLACK GUM)	FAC	0.20	0.06	0.01	0.00	0.01			
PLATANUS OCCIDENTALIS (AMERICAN Sycamore)	FAC	0.20	0.06	0.01	0.00	0.01			
SEEDING TOTALS						137.60	8.15	2.66	5.49

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:
 - 2 of the 3 species in Group 1,
 - 5 of the 7 species in Group 2,
 - all of Group 3,
 - 5 of the 6 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 1 one-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 -- Groups 3 & 6 (Salix nigra and Stream Edge) to be planted in accordance with Note #5.
 - Groups 3 and 6 (Salix nigra and the Stream Edge) shall be planted with tubelings or as livestock (Salix nigra only, and only between February 1 and March 31). No one gallons are required for any of these Groups' species.
 - Stream Bank and Stream Edge zones shall be planted such that the combined mix of species is spaced 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).



Northern Virginia Stream Restoration Bank
 The Glade - Reach 6 Storm Repair
 Fairfax County, Virginia
PFO Vegetation Schedule
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REVISIONS		Rev. By	App. By
No.	Date	Description	

DATE: OCTOBER 2011 SCALE: N/A

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

Design	Draft	Approved
SRP	NAS	FRG

Sheet # 12 of 16

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