

**BARON CAMERON VEGETATION SCHEDULE**

CONTAINER PLANTING ZONE		SPECIES GROUP <sup>1,2</sup>	SPECIES <sup>3</sup>	INDICATOR STATUS	FUNCTIONS	PRIMARY SPECIES	PLANT PART	SEASON	PLANT SPACING <sup>2</sup>	CONTAINER SIZE AND QUANTITY <sup>2</sup>	PLANTING QUANTITIES (BASED ON ONE GALLON SIZE) <sup>4</sup>				
WILDLIFE VALUE															
PLANTING SCHEDULE															
			INDICATOR STATUS	FUNCTIONS	PRIMARY SPECIES	PLANT PART	SEASON	PLANT SPACING <sup>2</sup>	CONTAINER SIZE AND QUANTITY <sup>2</sup>	PLANTING QUANTITIES (BASED ON ONE GALLON SIZE) <sup>4</sup>					
SEED PLANTING ZONE	SPECIES GROUP <sup>1,2</sup>	SPECIES <sup>3</sup>	INDICATOR STATUS	FUNCTIONS	PRIMARY SPECIES	PLANT PART	SEASON	SEEDING RATE (LBS/AC)	AREA (S.F./AC)	QUANTITY (LBS)	AREA (S.F./AC)	A	B	C	D
	1	QUERCUS ALBA (WHITE OAK) QUERCUS PRINCEPS (PIN OAK) QUERCUS PHellos (MALLOW OAK) QUERCUS RUBRA (NORthern RED OAK)	FACT FACT FACT FACT	Food Food Food Food	Blue jays, woodpeckers, turkey vultures, crows, sparrows, other small mammals	Acorns, seed cones, acorns, catkins, twigs, bark	Fall, Winter	SEE NOTE #3	ONE GAL 300 TUBES BASED ON ONE GALLON (SEE NOTE #4)	171 (BASED ON ONE GALLON)		-	-	-	135
	2	ACER NEGUNDO (BOX ELDER) ACER RUBRUM (RED MAPLE) BETULA NERPA (EVERGREEN) LIRiodendron styraciflua (SWEET GUM)	FACT FACT FACT FACT	Food Food Food Food	Fratches, chickadees, sparrows, robins, goldfinches, other birds  Song birds  Fratches, cardinals, chickadees, sparrows, robins	Seeds, buds, flowers, leaf  Seeds, petal  Seeds	Spring, summer All Summer, fall, winter	SEE NOTE #3  SEE NOTE #4 ONE GALLON 200 TUBES BASED ON ONE GALLON (SEE NOTE #4)	86 (BASED ON ONE GALLON)		18	-	-	-	68
	3	LEX SPALMA (AMERICAN HOLLY)	FACT	Food cover; reproductive areas	Robins, titmice, nuthatches, hairy woodpecker	Fruit (pelt)	All	SEE NOTE #3	ONE GALLON 57 TUBES BASED ON ONE GALLON (SEE NOTE #4)	17		12	-	-	45
	4	AMELANCHIER CAMDENENSIS (CANADIAN SERVICE BERRY) CORNUS CANADENSIS (EASTERN DOGWOOD) CORNUS FLORIDA (FLOWERING DOGWOOD) CORNUS AMERICALA (AMERICAN HAZELNUT)	FACT FACT FACT FACT	Food Food Food Food	Song birds, small mammals  Honeycreepers, bluebirds, cardinals  Wildturfery, cardinal, cedar waxwing, robin, brown thrasher, wood thrush, redbirds  Songbirds, small mammals	Fruit (pelt) Flowers, leaves Flowers, fruit Fruit	Spring, summer Spring, summer Spring, fall Fall	SEE NOTE #4 ONE GALLON 150 TUBES BASED ON ONE GALLON (SEE NOTE #4)	86 (BASED ON ONE GALLON)		18	-	-	-	68
	5	LEIPYDIA (BLACK WILLOW) SALIX NIGRA (BLACK WILLOW) ALNUS SERPULATA (BROOKSIDE ALDER) VERBONIA DENTATA (SOUTHERN ARBOWOOD)	FACT FACT FACT FACT	Food Food cover; reproductive areas Food cover; reproductive areas Food cover; reproductive areas	Cardinal, thrasher, titmouse, cedar waxwing, redbirds  Belted titmouse, yellow bellied sapsucker, nuthatch  Belted titmouse, yellow bellied sapsucker, nuthatch  Belted titmouse, yellow bellied sapsucker, nuthatch	Flower, fruit Flowers, seed cones Seed Flower, fruit	Spring, fall, winter All Spring, fall, winter Spring, summer, fall	SEE NOTE #4 ONE GALLON 100 TUBES BASED ON ONE GALLON (SEE NOTE #4)	100 (BASED ON ONE GALLON)		205	-	-	-	208
	6	CORNUS MARSHALLI (SPINY DOGWOOD) SALIX NIGRA (BLACK WILLOW) ALNUS SERPULATA (BROOKSIDE ALDER) VERBONIA DENTATA (SOUTHERN ARBOWOOD)	FACT FACT FACT FACT	Food Food cover; reproductive areas Food cover; reproductive areas Food cover; reproductive areas	Cardinal, thrasher, titmouse, cedar waxwing, redbirds  Belted titmouse, yellow bellied sapsucker, nuthatch  Belted titmouse, yellow bellied sapsucker, nuthatch	Flower, fruit Flowers, seed cones Seed Flower, fruit	Spring, fall, winter All Spring, fall, winter Spring, summer, fall	SEE NOTE #4 ONE GALLON 100 TUBES BASED ON ONE GALLON (SEE NOTE #4)	100 (BASED ON ONE GALLON)		205	-	-	-	208
	7	LODOLIA MULTIFLORA (ANNUAL REGRASS) SETARIA ITALICA (FOXTAIL MILLET)	NI UPL	Erosion control; food Food	Sparrows, finches, small mammals  Sparrows, finches, small mammals	Seeds Seeds	Summer, fall Fall, winter	4500 4500	0.61 0.61	2745 2745	0.61 0.61	0.90 0.90	0.90 0.90	5.40 5.40	2025 2025
	8	CAREX SCOPARIA (BLUNT BEAK SEDGE) CAREX SQUARROSA (SQUARE BEAK SEDGE) CAREX VILLANOVAE (FOX SEDGE) CYPRISSUS ESCULENTUS (CUP RUSH) JUNCUS EFFRUSUS (SOFT RUSH) JUNCUS TENNIS (PAPER RUSH)	FACT NI OBL FACT FACT FACT	Food cover; reproductive areas Food Food Food Food cover; reproductive areas Food	Song birds (esp. sparrows), small mammals  Song birds, wetland Song birds, wetland  Wetland, songbirds (esp. sparrows), blue jays and other birds  Songbirds, small mammals	Seeds, petal Seeds Seeds Seeds, stems Seeds	Summer, fall Summer, fall Summer, fall Summer, fall, winter Summer, fall	0.20 0.20 0.20 0.20 0.20	0.61 0.61 0.61 0.61 0.61	610 610 610 610 610	0.61 0.61 0.61 0.61 0.61	0.20 0.20 0.20 0.20 0.20	0.20 0.20 0.20 0.20 0.20	1.20 1.20 1.20 1.20 1.20	450 450 450 450 450
	9	EUTHYMIA PRURIENS (WILD RYE) EUTHYMIA PRURIENS (WILD RYE) PANICUM CANADENSE (CANADIAN PANIC GRASS) PANICUM DICHOTOMUM (COMMON PANIC GRASS) ANEMONE FRAGRANS (WILD ANEMONE) ASTER NOVAE ANGLIAE (NEW ENGLAND ASTER) ASTER PILOSUS (HEALTHY ASTER) ASTER PREMATURUS (EARLY ASTER) LUDOLPHIA TOBIASCI (LUD) SOLIDAGO LANCEA (LEAVE GOLDENROD)	FACT FACT FACT FACT NI FACT FACT FACT UPL FACT FACT	Food Food Food Food Food Food Food Food Food Food	Song birds, small mammals  Deer, sparrows, small mammals  Song birds, wetland, small mammals  Song birds, wetland, small mammals  Song birds, wetland, small mammals  Fratches, cardinals, chickadees, sparrows, robins  Belted titmouse, yellow bellied sapsucker, nuthatch	Seeds, stems Seeds, stems Seeds Seeds Seeds Seeds Seeds Seeds Seeds	All All Summer, fall Summer, fall Summer, fall Summer, fall Summer, fall Summer, fall Fall Spring, summer	1000 1000 1000 1000 1000 1000 1000 1000 1000 1000	0.61 0.61 0.61 0.61 0.61 0.61 0.61 0.61 0.61 0.61	610 610 610 610 610 610 610 610 610 610	0.61 0.61 0.61 0.61 0.61 0.61 0.61 0.61 0.61 0.61	0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20	0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20	1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20	450 450 450 450 450 450 450 450 450 450
	10	ASTER NOVAE ANGLIAE (NEW ENGLAND ASTER) ASTER PILOSUS (HEALTHY ASTER) ASTER PREMATURUS (EARLY ASTER) LUDOLPHIA TOBIASCI (LUD) SOLIDAGO LANCEA (LEAVE GOLDENROD)	NI FACT FACT FACT FACT	Food Food Food Food Food	Song birds, small mammals  Deer, sparrows, small mammals  Song birds, wetland, small mammals  Song birds, wetland, small mammals  Fratches, cardinals, chickadees, sparrows, robins	Seeds, stems Seeds, stems Seeds Seeds Seeds	All All Summer, fall Summer, fall Summer, fall	1000 1000 1000 1000 1000	0.61 0.61 0.61 0.61 0.61	610 610 610 610 610	0.61 0.61 0.61 0.61 0.61	0.20 0.20 0.20 0.20 0.20	0.20 0.20 0.20 0.20 0.20	1.20 1.20 1.20 1.20 1.20	450 450 450 450 450
	11	EUPATORIUM RUFIDORSUM (RED TOP) EUPATORIUM RUFIDORSUM (RED TOP) EUPATORIUM RUFIDORSUM (RED TOP) EUPATORIUM RUFIDORSUM (RED TOP) SOLIDAGO CANADENSIS (CANADIAN GOLDENROD) SOLIDAGO SPECIOSA (SHOWY GOLDENROD) VERBONIA DENTATA (SOUTHERN ARBOWOOD)	FACT FACT FACT FACT FACT UPL FACT	Food Food Food Food Food Food Food	Song birds, small mammals  Deer, sparrows, small mammals  Song birds, wetland, small mammals  Song birds, wetland, small mammals  Fratches, cardinals, chickadees, sparrows, robins  Belted titmouse, yellow bellied sapsucker, nuthatch	Seeds, stems Seeds, stems Seeds Seeds Seeds Seeds Seeds	Spring, summer Summer, fall Summer, fall Summer, fall Summer, fall Summer, fall Fall	1000 1000 1000 1000 1000 1000 1000	0.61 0.61 0.61 0.61 0.61 0.61 0.61	610 610 610 610 610 610 610	0.61 0.61 0.61 0.61 0.61 0.61 0.61	0.20 0.20 0.20 0.20 0.20 0.20 0.20	0.20 0.20 0.20 0.20 0.20 0.20 0.20	1.20 1.20 1.20 1.20 1.20 1.20 1.20	450 450 450 450 450 450 450
	12	HELIOPSIS SCUTELLARIA (SUNFLOWER) HELIOPSIS SCUTELLARIA (SUNFLOWER) HELIOPSIS SCUTELLARIA (SUNFLOWER) HELIOPSIS SCUTELLARIA (SUNFLOWER) HELIOPSIS SCUTELLARIA (SUNFLOWER) HELIOPSIS SCUTELLARIA (SUNFLOWER) HELIOPSIS SCUTELLARIA (SUNFLOWER)	FACT FACT FACT FACT FACT FACT FACT	Food Food Food Food Food Food Food	Song birds, small mammals  Deer, sparrows, small mammals  Song birds, wetland, small mammals  Song birds, wetland, small mammals  Fratches, cardinals, chickadees, sparrows, robins  Belted titmouse, yellow bellied sapsucker, nuthatch	Seeds, stems Seeds, stems Seeds Seeds Seeds Seeds Seeds	Spring, summer Summer, fall Summer, fall Summer, fall Summer, fall Summer, fall Summer, fall	1000 1000 1000 1000 1000 1000 1000	0.61 0.61 0.61 0.61 0.61 0.61 0.61	610 610 610 610 610 610 610	0.61 0.61 0.61 0.61 0.61 0.61 0.61	0.20 0.20 0.20 0.20 0.20 0.20 0.20	0.20 0.20 0.20 0.20 0.20 0.20 0.20	1.20 1.20 1.20 1.20 1.20 1.20 1.20	450 450 450 450 450 450 450
	13	HELIOPSIS SCUTELLARIA (SUNFLOWER) HELIOPSIS SCUTELLARIA (SUNFLOWER) HELIOPSIS SCUTELLARIA (SUNFLOWER) HELIOPSIS SCUTELLARIA (SUNFLOWER) HELIOPSIS SCUTELLARIA (SUNFLOWER) HELIOPSIS SCUTELLARIA (SUNFLOWER)	FACT FACT FACT FACT FACT FACT	Food Food Food Food Food Food	Song birds, small mammals  Deer, sparrows, small mammals  Song birds, wetland, small mammals  Song birds, wetland, small mammals  Fratches, cardinals, chickadees, sparrows, robins  Belted titmouse, yellow bellied sapsucker, nuthatch	Seeds, stems Seeds, stems Seeds Seeds Seeds Seeds	Spring, summer Summer, fall Summer, fall Summer, fall Summer, fall Summer, fall	1000 1000 1000 1000 1000 1000	0.61 0.61 0.61 0.61 0.61 0.61	610 610 610 610 610 610	0.61 0.61 0.61 0.61 0.61 0.61	0.20 0.20 0.20 0.20 0.20 0.20	0.20 0.20 0.20 0.20 0.20 0.20	1.20 1.20 1.20 1.20 1.20 1.20	450 450 450 450 450 450
	14	HELIOPSIS SCUTELLARIA (SUNFLOWER) HELIOPSIS SCUTELLARIA (SUNFLOWER) HELIOPSIS SCUTELLARIA (SUNFLOWER) HELIOPSIS SCUTELLARIA (SUNFLOWER) HELIOPSIS SCUTELLARIA (SUNFLOWER)	FACT FACT FACT FACT FACT	Food Food Food Food Food	Song birds, small mammals  Deer, sparrows, small mammals  Song birds, wetland, small mammals  Song birds, wetland, small mammals  Fratches, cardinals, chickadees, sparrows, robins  Belted titmouse, yellow bellied sapsucker, nuthatch	Seeds, stems Seeds, stems Seeds Seeds Seeds	Spring, summer Summer, fall Summer, fall Summer, fall Summer, fall	1000 1000 1000 1000 1000	0.61 0.61 0.61 0.61 0.61	610 610 610 610 610	0.61 0.61 0.61 0.61 0.61	0.20 0.20 0.20 0.20 0.20	0.20 0.20 0.20 0.20 0.20	1.20 1.20 1.20 1.20 1.20	450 450 450 450 450
	15	HELIOPSIS SCUTELLARIA (SUNFLOWER) HELIOPSIS SCUTELLARIA (SUNFLOWER) HELIOPSIS SCUTELLARIA (SUNFLOWER) HELIOPSIS SCUTELLARIA (SUNFLOWER)	FACT FACT FACT FACT	Food Food Food Food	Song birds, small mammals  Deer, sparrows, small mammals  Song birds, wetland, small mammals  Song birds, wetland, small mammals  Fratches, cardinals, chickadees, sparrows, robins  Belted titmouse, yellow bellied sapsucker, nuthatch	Seeds, stems Seeds, stems Seeds Seeds	Spring, summer Summer, fall Summer, fall Summer, fall	1000 1000 1000 1000	0.61 0.61 0.61 0.61	610 610 610 610	0.61 0.61 0.61 0.61	0.20 0.20 0.20 0.20	0.20 0.20 0.20 0.20	1.20 1.20 1.20 1.20	450 450 450 450
	16	HELIOPSIS SCUTELLARIA (SUNFLOWER) HELIOPSIS SCUTELLARIA (SUNFLOWER) HELIOPSIS SCUTELLARIA (SUNFLOWER)	FACT FACT FACT	Food Food Food	Song birds, small mammals  Deer, sparrows, small mammals  Song birds, wetland, small mammals  Song birds, wetland, small mammals  Fratches, cardinals, chickadees, sparrows, robins  Belted titmouse, yellow bellied sapsucker, nuthatch	Seeds, stems Seeds, stems Seeds	Spring, summer Summer, fall Summer, fall	1000 1000 1000	0.61 0.61 0.61	610 610 610	0.61 0.61 0.61	0.20 0.20 0.20	0.20 0.20 0.20	1.20 1.20 1.20	450 450 450
	<b>SEEDING TOTALS</b>							<b>12190</b>		<b>8371</b>		<b>280</b>	<b>280</b>	<b>1838</b>	<b>8212</b>

**TURF GRASS AREA SEEDING SCHEDULE**

SEED PLANTING ZONE	SPECIES	SEEDING RATE (LBS/AC)	AREA PER QUANTITY (S.F./LBS)
KENTUCKY 31 OR TURF TYPHE PALL FESCU		90/00	0.34
PERENNIAL Ryegrass		5.00	0.34
METCALFE BLUEGRASS		5.00	0.34

**SEEDING TOTALS**  
200.00

**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. A minimum Contractor to provide at least:
  - a) 3 of the 4 species in Group 1,
  - b) 3 of the 4 species in Group 2,
  - c) all of Group 3,
  - d) 6 of the 7 species in Group 4,
  - e) 3 of the 4 species in Group 5,
  - f) 3 of the 4 species in Group 6 (with Salt Tolerant if required species),
  - g) all of Group 7,
  - h) 3 of the 4 species in Group 8,
  - i) 3 of the 4 species in Group 9,
  - j) 5 of 6 species in Group 10,
  - k) 5 of 7 in Group 11,
  - l) 6 of 8 in Group 12,
  - m) 4 of 5 in Group 13,
  - n) 5 of 8 in Group 14, and
  - o) 3 of 6 in Group 15, and
- Substrate for selected species based upon availability shall be requested in writing to engineer to approve substitutions.
- If the quantity of seed available is insufficient to plant the specified amount, the contractor shall be notified in writing to substitute an approved alternative.
- 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 plantings are the equivalent of one 1-gallon container plant. In this schedule, Contractor may provide a mix of container and tubing sizes for each species requirement, provided the ratio of tubings 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 tubings or as livestock (Salt Tolerant only) and only between February 1 and March 31. No one gallon are required to be used for any of this Group's species.
- Stream Bank and Stream Edge zones shall be planted such that the combined amount of species is spaced approx. 3' O.C. and 1' O.C., respectively. These zones shall include the planted soil that each individual species in these zones is planted at these rates, resulting in tight spacing.
- All seedling rates are expressed in pounds of pure live seed (PLS).


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

Revisions

No.	Date	Description	App. By	Rev. By

DATE: JULY 2012      SCALE: N/A

**Professional Engineer**




FRANK R. GRAZIANO  
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**Northern Virginia Stream Restoration Bank**  
Colvin Run - Baron Cameron Park  
Fairfax County, Virginia

**Vegetation Schedule**

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