	62.12	16.39	2.60		83.71		137.90								SEEDING IOIALS	SEEDIN
	0.09	0.02	0.00 0.00		0.11	0.61	0.20	All	Fruit, Hollow trunks	Raccoons, opossum, wood duck, pileated and other woodpeckers	Food, cover	FAC	PLATANUS OCCIDENTALIS (AMERICAN SYCAMORE)			
	0.09	0.02			0.11	0.61	0.20	Spring, fall	Flower, fruit	Wild turkey, cardinal, cedar waxwing, robin, brown thrasher, wood thrush, rabbits	Food	FACU-	CORNUS FLORIDA (FLOWERING DOGWOOD)	15		
	0.09	0.02		0.	0.11	0.61	0.20	Spring, summer	Flowers, leaves	Honeybees, butterfly caterpillars	Food	FACU-	CERCIS CANADENSIS (EASTERN REDBUD)			
	0.09	0.02		0 0	0.11	0.61	0.20	Spring, summer Summer, fall	Seeds, buds, flowers, plant Fruit	Finches, chickadees, squirrels, robins, goldfinches, other birds Rufted grouse, bobwhite, pheasant, wild turkey, squirrel, rabbit, deer	Food d	FAC	CARPINUS CAROLINIANA (MUSCLEWOOD)			
	0.09	0.02	+		0.11	0.61	0.20	Spring, fall	Fruit, plant	Cathirds, thrashers, thrushes, cover and next sites for songbirds	Food, cover	FACU	VIBURNUM PRUNIFOLIUM (BLACK-HAW)			
	0.09	0.02			0.11	0.61	0.20	Fall	Fruit	Robins, bluebirds, other thrushes, thrashers, catbirds, vireos	Food	FAC	VIBURNUM DENTATUM (SOUTHERN ARROW WOOD)			
	0.09	0.02	0.00 0.00	0	0.11	0.61	0.20	All	Flowers, fruit	Songbirds, waterfowl, small mammals, beneficial insects	Food, cover	FACW-	PHYSOCARPUS OPULIFOLIUS (COMMON NINEBARK)			
	0.09	0.02			0.11	0.61	0.20	All Spring summer fall	Flower, seed, leaves	Song birds, upland game birds Thoushes virous cathird bluebird butterfly caternillars	Food, cover, reproductive areas	FACW+	ILEX VER ICILLATA (WINTERBERRY)	14		
	0.09	0.02			0.11	0.61	0.20	Spring, fall, winter	Flowers, fruit	Ruffed grouse, wild turkey, rabbit, deer, beaver	Food, cover, reproductive areas	FAC-	HAMAMEUS VIRGINIANA (WITCH HAZEL)			
	0.09	0.02		0	0.11	0.61	0.20	Fall, winter	Fruit	Songbirds, upland game birds, small mammals	Food	UPL	ARONIA MELANOCARPA (BLACK CHOKEBERRY)			
	0.09	0.02	0.00 0.00		0.11	0.61	0.20	All	Fruit, plant	Song birds, small mammals	Food, cover	FAC	AMELANCHIER CANADENSIS (CANADIAN SERVICEBERRY)			
	0.09	0.02			0.11	0.61	0.20	Summer, fall, winter	Flowers, seeds	Butterflies and other pollinators	Food	FACU-	RUDBECKIA HIRTA (BLACK EYED SUSAN) SENNA HERECARPA (MI D SENNA)			
	0.09	0.02			0.11	0.61	0.20	Fall, winter	Seeds	Sparrows, finches, blackbirds, quail, small mammals	Food	FACW	POLYGONUM PENSYLVANICUM (PA SMARTWEED)	13		
	0.09	0.02		0 0	0.11	0.61	0.20	Spring, summer, fall	Flowers, seeds	ong piras, puternies Pollinators, butterflies, beneficial insects	Food of	UPL	HELIOPSIS HELIANTHOIDES (OXEYE SUNFLOWER)			
	0.09	0.02	+		0.11	0.61	0.20	Summer, fall	Flowers	Butterflies, other insects	Food	FAC	VERBESINA ALTERNIFOLIA (WINGSTEM)			
	0.09	0.02		0	0.11	0.61	0.20	Spring, summer, fall	Flowers, seeds	Pollinators, butterflies, beneficial insects	Food	FACW+	VERBENA HASTATA (BLUE VERVAIN)			
	0.09	0.02	0.00 0.00	0 0	0.11	0.61	0.20	Spring, summer, fall All	Fronds Leaves, seeds	Songbirds, small mammals Pollinators, butterflies, beneficial insects	Food d	FAC	ONOCLEA SENSIBILIS (SENSITIVE HERN) PENSTEMON DIGITALIS (PENSTEMON)			
	0.09	0.02			0.11	0.61	0.20	Summer, fall	Flowers, seeds	Butterflies, song birds	Food	FACW	HELIANTHUS ANGUSTIFOLIUS (NARROW-LEAF SUNFLOWER)	12		
	0.09	0.02	0.00 0.00	0	0.11	0.61	0.20	Summer, fall	Flowers	Butterflies	Food	FACW+	HELENIUM AUTUMNALE (COMMON SNEEZEWEED)			
	0.09	0.02		0 0	0.11	0.61	0.20	Summer, fall, winter	Flowers	Butternies, oenericial insects Pollinators, butterflies, beneficial insects	Food of	FACW	BIDENS FRONDOSA (BEGGAR TICKS)			
	0.05	0.01			0.06	0.61	0.10	Spring, summer	Flowers	Beneficial insects	Food	FAC	ZIZIA AUREA (GOLDEN ALEXANDERS)			
	0.05	0.01	0.00 0.00	0	0.06	0.61	0.10	Fall	Flowers	Butterflies	Food	FACW+	VERNONIA NOVEBORACENSIS (NEW YORK IRONWEED)			
	0.05	0.01			0.06	0.61	0.10	Summer, fall	Flowers	Butterflies, song birds, small mammals	Food	UPL	SOLIDAGO SPECIOSA (SHOWY GOLDENROD)		Ì	9
	0.05	0.01			0.06	0.61	0.10	Summer, fall	Flowers	Butterflies Butterflies Butterflies	Food	FAC	EUTHAMIA GRAMINIFOLIA (GRASS LEAVED GOLDENROD)	±	BUFFER	<u>2</u>
	0.05	0.01		0	0.06	0.61	0.10	Summer	Flowers	Pollinators, butterflies, beneficial insects	Food	FACW+	EUPATORIUM PERFOLIATUM (BONESET)		RIPARIAN	ı 7
	0.05	0.01	0.00 0.00		0.06	0.61	0.10	Summer, fall	Flowers, seeds	Pollinators, butterflies, beneficial insects	Food	FACW	EUPATORIUM FISTULOSUS (JOE PYE WEED)			
	0.05	0.01			0.06	0.61	0.10	Summer	Flowers	Butterflies, song birds	Food	FACW+	COLIDAGO ILINGEA (FABLY GOLDENBOD)			
	0.05	0.01	0.00 0.00	0	0.06	0.61	0.10	Summer, fall	Flowers	Butterflies	Food	FAC	ASTER PRENANTHOIDES (ZIG ZAG ASTER)			
	0.05	0.01		0 0	0.06	0.61	0.10	Summer, fall Summer, fall	Flowers	Butterflies	Food d	UPL	ASTER PILOSUS (HEATH ASTER)	10		
	0.05	0.01			0.06	0.61	0.10	Spring, summer	Flowers	Pollinators, butterflies, beneficial insects	Food	EACW N	ANEMONE VIRGINIANA (THIMBLEWEED)			
	4.50	120	0.20 0.20		6.10	0.61	10.00	Summer, fall	Seeds	Song birds, waterfowl, small mammals	Food	FACW-	PANICUM DICHOTOMIFLORUM (SMOOTH PANIC GRASS)			
	4.50	120		0 0	6.10	0.61	10.00	All Summer, fall	Seeds, leaves	Deer, sparrows, small mammals Song birds, waterfowl, small mammals	F000.	FAC+	PANICUM CLANDESTINUM (DEER TONGUE GRASS)	ď		
	4.50	120			6.10	0.61	10.00	AI AI	Seeds, leaves	Song birds, small mammals	Food	FACW	ELYMUS RIPARIUS (RIVERBANK WILD RYE)			
	0.09	0.02	+		0.11	0.61	0.20	Summer, fall	Seeds	Songbirds, small mammals	Food	FAC-	UIS (PATHRUSH)			
	0.09	0.02		0	0.11	0.61	0.20	Summer, fall, winter	Seeds, stems	Waterfowl, songbirds (esp. sparrows), bluegill and other fish	Food, cover, reproductive areas	FACW+	JUNCUS EFFUSUS (SOFT RUSH)			
	0.09	0.02			0.11	0.61	0.20	Summer, fall	Seeds	Song birds, waterfowl	Food d	OBL	CAREX VULPINOIDEA (FOX SEDGE)	80		
	0.09	0.02	0.00 0.00	0	0.11	0.61	0.20	Summer, fall	Seeds	Song birds, waterfowl	Food	Z	SQUARROSA (S			
	0.09	0.02			0.11	0.61	0.20	Summer, fall	Seeds, plant	Songs birds (esp. sparrows), small mammals	Food, cover	FACW	CAREX SCOPARIA (BLUNT BROOM SEDGE)	T		
	20.25	5.40	0.90 0.90	0	27.45	0.61	45.00	Fall, winter	Seeds	Sparrows, finches, small mammals.	Food	UPL	SETARIA ITALICA (FOXTAIL MILLET)	7		
	20.25	5.40				\perp	45.00	Summer, fall	Seeds	Sparrows, finches, small mammals.	Erosion control, food	2	LOLIUM MULTIFLORUM (ANNUAL RYEGRASS)			
	19,621 0.45	0.12	922 934 0.02 0.02	AREA (SF): AREA (AC):	(LBS) AF	PLANT(AC)	(LBS/AC)	SEASON	PLANT PART	PRIMARY SPECIES	FUNCTIONS	STATUS	SPECES,	GROUP ^{1,2}	ANTING ZONE	PLAN
	0	C	B			\dashv				WILDLIFE VALUE			0110102		2	
			OHANTITIES	SEEDING OII	2					NG SCUEDIII E	211					
			625 589		1,213	1							STREAM EDGE QUANTITY SUBTOTALS	NTITY SUE	M EDGE QU/	STREA
					NOTE #5)			Fall	Fruit	Robins, bluebirds, other thrushes, thrashers, catbirds, vireos	Food	FAC	VIBURNUM DENTATUM (SOUTHERN ARROWWOOD)			
			25 589		CONLY SEE	N/A LI	(SEE NOTES #5, #6)	Summer, fall, winter	Seeds, buds, stems	Finches, sparrows, doves, yellow warbler, song sparrow, other songbirds	Food, reproductive areas	OBL	m	<i>λ</i> 6	TREE AND SHRUB LAYER	EDGE
					0 JBELINGS OR	(Tu	1'0.0.	Spring, summer, fall	Seeds, plant, leaves	Beaver, porcupine, deer, muskrat, ducks, fish	Food, cover	FACW+	SALIX NIGRA (BLACK WILLOW)			STREAM
			208		473	I		Summer, fall, winter	Flower, fruit	Catbird, thrasher, thrushes, cedar waxwings, rabbits	Food, cover, reproductive areas	FACW	CORNUS AMOMUM (SILKY DOGWOOD)			
			-		443	1		Spring, summer, fall	Flower, fruit	Purple finch, goldfinch, robin, junco, bluebird, hermit thrush	Food, cover, reproductive areas	FAC	VIBURNUM DENTATUM (SOUTHERN ARROWWOOD)	TILS YTITN	M BANK OU	STREA
			807		NE-GALLON)	9	ONE-GALLON)	Spring, fall, winter	Seed	Brown thrasher, catbird, woodpeckers, thrushers	Food, cover	FACW-	SAMBUCUS CANADENSIS (ELDERBERRY)		SHRUB LAYER	BANK
			205		(BASED ON	N/A (E	SEE NOTE #3 (AVERAGES	All	Flower, seed, leaves	Bluebird, catbird, brown thrasher, robin, yellow bellied sapsucker, mockingbird	Food, cover, reproductive areas	FACW+	ILEX VERTICILLATA (COMMON WINTERBERRY)			STREA
	0.0	ş			100	400		Summer, fall	Fruit	Catbird, thrasher, thrushes, woodpeckers	Food	FACW	CORNUS AMOMUM (SILKY DOGWOOD)			
7. All	346	2			200	100		Spring, fall	Fruit, plant	Catbirds, thrashers, thrushes, cover and next sites for songbirds	Food, cover	FACU	VIBURNUM PRUNIFOLIUM (BLACK-HAW)		RIDARIAN FOREST OHANTITY	RIPARIA
6. Str						(SEE NOTE #4)		Fall	Fruit	Robins, bluebirds, other thrushes, thrashers, catbirds, vireos	Food	FAC	õ			
5. Gro					ONE-GALLON)	or ON MIX AT 1:2 RATIO		Spring, summer, fall	Fruit, leaves	Thrushes vireos, catbird, bluebird, butterfly caterpillars	Food	FACW-	_			
					86 BASED ON	THREINGS (F	SEE NOTE #3	Summer fall	Fruit	vviid tuiney, valuiiai, vedai waxwiily, lobiit, browii triiastei, wood tiitosii, labbis Sonohirde emall mammale	Food cover	FACU-	CORNES FEORES (FEOWERING CONTOCT)	<u>.</u>	SHRI BI AVE	
3. Th	68	18				150 ONE-GALLON		Spring, summer	Flowers, leaves	Honeybees, butterfly caterpillars	Food	FACU-	CERCIS CANADENSIS (EASTERN REDBUD)			
•								All	Fruit, plant	Song birds, small mammals	Food, cover	FAC	CHIER CANADENSIS (
					NE-GALLON)	or										
					(BASED ON		SEE NOTE #3	All	Fruit, plant	Robins, bluebirds, mockingbirds, hermit thrush	cood, cover, reproductive areas	FACU+	ILEX OPACA (AMERICAN HOLLY)	ω		
	45	12	1			ONE-GALLON										
						MIX AT 1:2 RATIO (SEE NOTE #4)		Summer, fall, winter	Seed	Finches, cardinals, chickadees, sparrows, squirrels	Food	FAC	LIQUIDAMBAR STYRACIFULA (SWEET GUM)		ST	FOREST
חני תיק					(BASED ON ONE-GALLON)		SEE NOTE #3	All	Seeds, plant	Song birds	Food, cover	FACW	NIGRA (RIVER B	,		RIDARIA
PLANTIN	68	18			86	ONE-GALLON or 300		Spring, summer	Seeds, buds, flowers, plant	Finches, chickadees, squirrels, robins, goldfinches, other birds	Food 6d	FAC+	ACER NEGUNDO (BOX ELDER) ACER RUBRUM (RED MAPI E)	v	TREE I AYER	
	}	;				150						!				
					NE-GALLON)	0r ON MIX AT 1:2 RATIO (SEE NOTE #4)						FACU-	QUERCUS PHELLOS (MILLOW OAK) QUERCUS RUBRA (NORTHERN RED OAK)			
NOTES:	135	36			171 (BASED ON	600 TUBELINGS (E	SEE NOTE #3			raccoons, squirrels, other small mammals		FACW	QUERCUS PALUSTRIS (PIN OAK)	_		
SEEDING						300 ONE GAL		Fall, Winter	Nuts	Blue jays, woodpeckers, turkey, deer, fox,	Food	FACW	QUERCUS ALBA (WHITE OAK)			
SEEDING	; ;	, <u>r</u>	615 623	VGTH (LF):		PER ACRE	OF ACINO	000			CNCIONO	2		GNOOT	AN IING ZONE	5
GRASS AREA	19,621	5,058	922 934 5,058 19,	AREA (SF):	#OF AL	RATE, AND QUA	PLANT	SE ASON	DI ANT DART		FINCTIONS	INDICATOR	SPECIES ²	SPECIES	CONTAINER	CC
	0	SIZE)	GALLON	ONE	SIZE	CONTAINER				TING SCHEDULE WILDLIFE VALUE	PLAN					
SE PLANTIN	ED ON	3 (BASE	UANTITIES	PLANTING Q	ᇋ						!					
									EDULE	ARON CAMERON VEGETATION SCH	В					

SEEDING RATE ² AREA PER QUANTITY (LBS/AC) PLANT (AC) (LBS)
64.60
1.70
1.70
68.00
. 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 the state of the st
g g ≤

		(10000)	1	(100)	
	KENTUCKY31 OR TURF-TYPE TALL FESCU	190.00	0.34	64.60	
RASSLAND	IMPROVED PERENNIAL RYEGRASS	5.00	0.34	1.70	
אָלָנוּא ("אַ")	KENTUCKYBLUEGRASS	5.00	0.34	1.70	
DING TOTALS	<u>.</u>	200.00		68.00	
DING 1. Su TES:	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.	availability shall be i if the flexibility inheder no obligation to	requested in writ erent in the abov approve substi	ting to e tutions.	
2. All 3. Gr	 All seeding rates are expressed in pounds of pure live seed (PLS). Grassland Area to be seeded according to the Minimum Care Lawn specifications included in Table 3.32-D of the Virginia Erosion and Sediment Control Handbook, Third Edition. 	re live seed (PLS). Inimum Care Lawn Ediment Control Hai	specifications ir ndbook, Third E	ncluded dition.	
NTING AND	NTING AND SEEDING NOTES:				
It is expecte	It is expected and preferred that all species in each of the Species Groups are planted. The tolerances	in each of the	Species G	roups are l	olanted. The tolerances listed in this
a) 3 of	a) 3 of the 4 species in Group 1,	h) 4	h) 4 of the 6 species in Group 8,	cies in Gro	a) 3 of the 4 species in Group 1, h) 4 of the 6 species in Group 8,
b) 3 of	b) 3 of the 4 species in Group 2,	i) 3 c	i) 3 of the 4 species in Group 9,	cies in Gro	up 9,
c) all of	c) all of Group 3,	j) 5 c	j) 5 of 6 species in Group 10,	in Group 1	ΙΟ,
d) 6 of	d) 6 of the 7 species in Group 4,	k) 5	k) 5 of 7 in Group 11,	p 11,	
e) 3 of	e) 3 of the 4 species in Group 5,	I) 6 c	I) 6 of 8 in Group 12	p 12	
f) 3 of	3 of the 4 species in Group 6 (with	m) 4	m) 4 of 5 in Group 13	up 13,	
Sali	Salix nigra a required species),	n) 5	n) 5 of 8 in Group 14, and	p 14, and	
g) all o	g) all of Group 7,	0) 5	o) 5 of 6 in Group 15.	p 15.	
Substitution	s for selected species based up	on availability	shall be re	quested in	Substitutions for selected species based upon availability shall be requested in writing to engineer documenting the lack
If the flexib	if the flexibility inherent in the above schedule is still not sufficient. Engineer is under no obligation to app The planted trees and shrubs shall be randomly spaced and species mixed throughout the planting areas.	ule is still not omly spaced :	sufficient. E and species	ingineer is mixed thro	If the flexibility inherent in the above schedule is still not sufficient. Engineer is under no obligation to approve substituti The planted trees and shrubs shall be randomly spaced and species mixed throughout the planting areas.
Container ra	ates and quantities shown for or	e gallon size.	For purpos	es of subs	Container rates and quantities shown for one gallon size. For purposes of substitution, two tubelings are the equivalent of
container p	container plant in this schedule. Contractor may provide a mix of container and tubeling sizes for each	r may provide	a mix of co	ntainer and	tubeling sizes for each species requirem
Craillo of tub	ellings to containers is not less t	nan z.i. exce	puon Gr	octation (due	Tallo of tubellings to containers is not less than 2.1. Exception Group o (Steam Edge) shan be planted in accordance
only betwe	only between February 1 and March 31). No one gallons are required to be used for any of this Gr	o one gallons	igs, or as in	ed to be us	only between February 1 and March 31). No one gallons are required to be used for any of this Group's species.
olly betwe	en replualy i and Maich Sij. n	o one ganons	que require	su to be us	ed for ally or tills Group's species.

Compute LA20000842001 VEGETATION			N	Design	Boundary N/A	Vertical Datum: N/A	Horizontal Datum: N/A			REVI	SIONS		
\sim \simeq \simeq			S	ign				No.	Date	Description		Rev. By	App. By
CFile Name: CADD/04-ENGR/10-Planset CHEDULE.dwg	14 of 3	Sheet#	JLS	Draft	and Topo S								
	38		FRG	Approved	Source:	A	A A	DAT	ΓΕ: JUL	Y 2012	SCALE: N/A		



Northern Virginia Stream Restoration Bank Colvin Run - Baron Cameron Park

Fairfax County, Virginia

Vegetation Schedule

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