

City of Ketchum

CITY COUNCIL MEETING AGENDA MEMO

		_				
Meeting Date:	February 3, 2025	Staff Memb	er/Dept:	Ben Wh	nipple – Public Works	
Agenda Item:	Warm Springs Preserve P	lantings Direc	t Procurem	ient		
Recommended						
		Order 25071 1	for the dir	ect purch	ase of plantings for Warm	Springs
Preserve Restor	ation.					
Reasons for Rec	commendation:					
 The long 	lead time and nursery alloc	cation requirer	ment of thi	s portion (of restoration plants requires	us to
direct pu	rchase these cancellation a	head of time i	f we want	to have th	em planted in Fall 2025	
 Direct pu 	rchase saves significantly o	n cost by cutti	ing out a m	argin fron	n the future installer of these	plants
			•	est for qu	ote to 4 suppliers. North Fork	Natives
	owest cost and most comp					
			_		minimum prorated penalties	in the
event the	e main Warm Springs Prese	rve Restoratio	n project is	cancelled	1	
Policy Analysis a	and Background (non-cor	isent items o	nly):			
Sustainability In						
No direct impact.						
Financial Impact	t:					
None OR Adequ	iate funds exist in accour				is subject to final bidding of	
			-	•	nds to cover all this material o	
					Wood River Land Trust and i	s directly
		t	tied to thei	r approved	d federal grant award.	
Attachments:						
	rk Native Plants Plantings P	rice Sheet				
	order 25071					
Plantings	schedule from project dra	wing sheets				



custom growing and restoration services Date: 1/24/2025

Client - City of Ketchum Warm Springs Creek Preserve

TREES A	ND SHRUE	3S							
KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	TYPE	UN \$	TOT \$	AVAIL.	NOTES
	15	Populus angustifolia	Narrowleaf Cottonwood	#5	Container	\$29.00	\$435.00	2025	Sourced from local genetics
PC	21	Populus trichocarpa	Black Cottonwood	#5	Container	\$29.00	\$609.00	2025	Sourced from local genetics
SA	34	Salix sp. (Shrub clump forming)	Native Willows	#15	Container	\$110.00	\$3,740.00	2026	Sourced from local genetics
SI	48	Salix sp. (Tree forming)	Native Willows	#15	Container	\$110.00	\$5,280.00	2026	Sourced from local genetics
SAA	15	Amelanchier alnifolia	Serviceberry	#5	Container	\$26.00	\$390.00	2025	
SAI	2	Alnus incana	Thin-leaf Alder	#5	Container	\$26.00	\$52.00	2025	or Alnus incana subsp. tenuifolia
SCS	14	Cornus sericea	Red Twig Dogwood	#5	Container	\$29.00	\$406.00	2025	Sourced from local genetics
	20	Ericameria nauseosa	Rubber Rabbitbrush	#1	Container	\$9.00	\$180.00	2026	
SPV	2	Prunus virginiana	Chokecherry	#5	Container	\$26.00	\$52.00	2025	
SRG	11	Ribes aureum	Golden Currant	#5	Container	\$26.00	\$286.00	2025	
SRT	3	Rhus trilobata	Skunkbush Sumac	#5	Container	\$26.00	\$78.00	2025	
SRW	10	Rosa woodsii	Mountain Rose	#5	Container	\$26.00	\$260.00	2025	
SSB	30	Salix sp. (Shrub clump forming)	Native Willows	#5	Container	\$29.00	\$870.00	2025	Sourced from local genetics
SSL	3	Salix sp. (Shrub clump forming)	Native Willows	#5	Container	\$29.00	\$87.00	2025	Sourced from local genetics
SSP	3	Symphoricarpos sp.	Snowberry	#5	Container	\$26.00	\$78.00	2025	
SSX	53	Salix exigua	Coyote Willow	#5	Container	\$29.00	\$1,537.00	2025	Sourced from local genetics
PLANT IV	-								
Plant Mi	x A - Upla	nd Meadow							
	4180	Artemisia tridentata var. vaseyana	Mountain Big Sagebrush	10 ci	Tube Seedling	\$1.74	\$7,273.20	2026	Sourced from local genetics
	1250	Chrysothamnus viscidiflorus	Douglas Rabbitbrush	10 ci	Tube Seedling	\$1.74	\$2,175.00	2026	Sourced from local genetics
	1250	Ericameria nauseosa	Rubber Rabbitbrush	10 ci	Tube Seedling	\$1.74	\$2,175.00	2026	Sourced from local genetics
	1670	Purshia tridentata	Antelope Bitterbrush	10 ci	Tube Seedling	\$1.74	\$2,905.80	2026	Sourced from local genetics
Plant Mi	x B - Xerio	(Dry) Floodplain	•	•					
	90	Amelanchier alnifolia	Western Serviceberry	#5	Container	\$26.00	\$2,340.00	2025	
	1775	Artemisia tridentata	Big Sagebrush	10 ci	Tube Seedling	\$1.74	\$3,088.50	2026	Sourced from local genetics
	530	Chrysothamnus viscidiflorus	Douglas Rabbitbrush	10 ci	Tube Seedling	\$1.74	\$922.20	2026	Sourced from local genetics
	530	Ericameria nauseosa	Rubber Rabbitbrush	10 ci	Tube Seedling	\$1.74	\$922.20	2026	Sourced from local genetics
	90	Prunus virginiana	Chokecherry	#5	Container	\$26.00	\$2,340.00	2025	
	355	Purshia tridentata	Antelope Bitterbrush	10 ci	Tube Seedling	\$1.74	\$617.70	2026	Sourced from local genetics
	175	Rosa woodsii	Wood's Rose	#5	Container	\$26.00	\$4,550.00	2025	Courses in our result generals
Plant Mi		ic (Wet) Floodplain	Treed a rices	"3	Comanio	Ψ20.00	ψ 1,000.00		1
T Idile IVII.	55	Populus angustifolia	Narrow-leaf Cottonwood	#5	Container	\$29.00	\$1,595.00	2025	Sourced from local genetics
	12	Populus tremuloides		#5	Container	\$26.00	\$312.00	2025	Sourced from local genetics
		· '	Quaking Aspen			•	·		Coursed from lead genetics
	55	Populus trichocarpa	Black Cottonwood	#5	Container	\$29.00	\$1,595.00	2025	Sourced from local genetics
	25	Alnus incana	Thin-leaf Alder	#5	Container	\$26.00	\$650.00	2025	
	25	Betula occidentalis	Water Birch	#5	Container	\$29.00	\$725.00	2025	Sourced from local genetics
	150	Ribes aureum	Golden Currant	#5	Container	\$26.00	\$3,900.00	2025	
	150	Rosa woodsii	Wood's Rose	#5	Container	\$26.00	\$3,900.00	2025	

	90	Symphoricarpos sp.	Snowberry	#5	Container	\$26.00	\$2,340.00	2025	Ī
		Stream Riparian	Showberry	#5	Container	\$20.00	\$2,340.00	2025	
•		•	Internal test Courses	l "-	0 1 1	#00.00	64 450 00	0005	0
		Populus angustifolia	Narrow-leaf Cottonwood	#5	Container	\$29.00	\$1,450.00	2025	Sourced from local genetics
		Populus trichocarpa	Black Cottonwood	#5	Container	\$29.00	\$1,450.00	2025	Sourced from local genetics
		Salix species (Tree or Clump Form)	Native Willow Species	#5	Container	\$29.00	\$870.00	2025	Sourced from local genetics
		Cornus sericea	Redosier Dogwood	#5	Container	\$29.00	\$3,190.00	2025	Sourced from local genetics
		Salix exigua	Coyote Willow	#5	Container	\$29.00	\$3,190.00	2025	Sourced from local genetics
		Salix species (Multistem Shrub Form)	Native Willow Species	#5	Container	\$29.00	\$6,380.00	2025	Sourced from local genetics
Plant Mix E -		eam Aquatic							
		Carex aquatilis, C. utriculata, Eleocharis	Water sedge, Beaked						
_	106	palustris	sedge, Creeping spikerush	Wetland Sod	Mat	\$205.44	\$21,776.64	2025	
1	1050	Carex aquatilis	Water Sedge	10 ci	Tube Seedling		\$1,386.00	2025	
1	1050	Carex utriculata	Beaked Sedge	10 ci	Tube Seedling	\$1.32	\$1,386.00	2025	
Plant Mix F -	- Shallo	ow Emergent Wetland							
		Carex nebraskensis, C. utriculata,	Nebraska sedge, Beaked						
	66	Juncus acticus	sedge, Arctic rush	Wetland Sod	Mat	\$205.44	\$13,559.04	2025	
Plant Mix G	- Deep	Emergent Wetland					!		
	16	Schoenoplectus acutus	Hardstem Bulrush	Wetland Sod	Mat	\$205.44	\$3,287.04	2025	
	16	Scirpus microcarpus	Small-Fruited Bulrush	Wetland Sod	Mat	\$205.44	\$3,287.04	2025	
Plant Mix H				Į.					
		Achillea millefolium	Common Yarrow	10 ci	Tube Seedling	\$1.55	\$558.00	2025	
3	360	Aquilegia coerulea	Blue Columbine	10 ci	Tube Seedling	\$1.55	\$558.00	2025	
3		Delphinium occidentale	Duncecap Larkspur	10 ci	Tube Seedling		\$558.00	2025	
3		Erigeron speciosus	Showy Fleabane	10 ci	Tube Seedling	\$1.55	\$558.00	2025	
3		Eriogonum umbellatum	Sulfurflower Buckwheat	10 ci	Tube Seedling	\$1.55	\$558.00	2025	
3		Gaillardia aristata	Blanket Flower	10 ci	Tube Seedling	\$1.55	\$558.00	2025	
3		Geranium viscosissimum	Sticky Geranium	10 ci	Tube Seedling		\$666.00	2025	
3		Heliomeris multiflora	Showy Goldeneye	10 ci	Tube Seedling	\$1.55	\$558.00	2025	
. 3		Hymenoxys hoopesii	Meadow Fire	10 ci	Tube Seedling	\$1.55	\$558.00	2025	
		Linum lewisii	Blue Flax	10 ci	Tube Seedling	\$1.55	\$558.00	2025	
		Penstemon rydbergii	Rydberg's Penstemon	10 ci	Tube Seedling	\$1.55	\$558.00	2025	
		Penstemon strictus	Rocky Mountain Penstemo		Tube Seedling		\$558.00	2025	
		Rudbeckia occidentalis	Western Coneflower	10 ci	Tube Seedling		\$558.00	2025	
		Solidago missouriensis	Missouri Goldenrod	10 ci	Tube Seedling	\$1.55	\$558.00	2025	
		Symphyotrichum laeve	Smooth Aster	10 ci	Tube Seedling		\$558.00	2025	
		Bouteloua curtipendula	Side Oats Gram	10 ci	Tube Seedling	\$1.55	\$2,526.50	2025	
		Bouteloua gracilis	Blue Grama	10 ci	Tube Seedling	\$1.55	\$2,526.50	2025	
		Festuca idahoensis	Idaho Blue Fescue	10 ci	Tube Seedling Tube Seedling	-	\$2,526.50	2025	
					J			2025	
		Hesperostipa comata	Needle and Thread Grass	10 ci	Tube Seedling	\$1.55	\$2,526.50		
_ 1	1630	Oryzopsis hymenoides	Indian Ricegrass	10 ci	Tube Seedling	\$1.55	\$2,526.50	2025	

DELIVERY ALLOWANCE \$8,500.00

TOTAL \$149,488.86

Assumptions:

Earliest availability ___ 2025

Wetland Sod coverage approximately ____ square/linear feet

Delivery cost is subject to change, price quoted on ____
Unit price includes overwintering costs
50% Non-refundable deposit required upon acceptance
Earliest availability subject to change until order has been approved by both NFNP and customer
Quantities depend upon available seed sources and germination results
Subject to Additional Fees - Refer to NFNP Sales Policies

Contact: Rebecca Wright Cell: (208) 243-4565



CITY OF KETCHUM

PO BOX 2315 * 191 5TH ST. * KETCHUM, ID 83340 Administration 208-726-3841 (fax) 208-726-8234

PURCHASE ORDER

BUDGETED ITEM? ____ Yes ____ No

PURCHASE ORDER - NUMBER: 25071

10:	Ship to:	
6300 NORTH FORK NATIVE PLANTS PO BOX 1115 DRIGGS ID 83422	CITY OF KETCHUM PO BOX 2315 KETCHUM ID 83340	

P. O. Date	Created By	Requested By	Department	Req Number	Terms
01/28/2025	BDAVIS	BDAVIS			

Quantity	Description		Unit Price	Total
1.00	WSP PLANTINGS DIRECT PURCHASE	93-4900-7950	149,488.86	149,488.86
			SHIPPING & HANDLING	0.00
			TOTAL PO AMOUNT	149,488.86
			-	

Authorized	Signature

	- Updated 11.07.2024							TOTAL:	#REF!	UPDATED 11/05/20	
									MIX SF	MIX %	SPACING
JPLAND MEAI	DOW (312,926 SF) QTY BOTANICAL NAME	COMMON NAME	PLANT TYPE	SIZE ROOT	% OF HATCH AREA	% OF PATCH O.C. SPACING	Prolim \$/un Total	NOTES	330,626 Total SF Hatch	% of Hatch	0.C.
	tal Hatch Area (46,939 of) 3180 Artemisia tridentata var. vasevana	Mountain Big Sagebrush	Shrub	10 ci Tube Seedling	15%	50% 3'		Plant in patches in favorable microsites. Shrubs to be Field Located by Landscape Architect.			
	955 Chrysothamnus viscidiflorus	Douglas Rabbitbrush	Shrub	10 ci Tube Seedling		15% 3'		Shrubs to be Field Located by Landscape Architect.			
	955 Ericameria nauseosa 1270 Purshia tridentata	Rubber Rabbitbrush	Shrub	10 ci Tube Seedling		15% 3' 20% 3'		Shrubs to be Field Located by Landscape Architect.			
	6 of Hatch Area)	Antelope Bitterbrush	Shrub	10 ci Tube Seedling		20% 3'		Plant in patches in favorable microsites, Shrubs to be Field Located by Landscape Architect.			
								Grasses = 80% of Seed Mix. Individual Species Percentages to be Supplied to Contractor During			
	- Bromus ciliatus - Bromus ciliatus	Fringed Brome Fringed Brome	Grass Grass	- Seed - Seed	-			Construction Phase			
	- Bromus marginatus	Mountain Brome	Grass	- Seed	-						
	- Bromus marginatus	Mountain Brome	Grass	- Seed - Seed	-						
	- Elymus elymoides - Elymus elymoides	Squirreltail Grass Squirreltail Grass	Grass Grass	- Seed	-		 				
	- Elymus glaucus	Blue Wildrye	Grass	- Seed	-						
	- Elymus glaucus - Elymus lanceolatus ssp. lanceolatus	Blue Wildrye Thickspike Wheatgrass	Grass Grass	- Seed - Seed	-		 				
	 Elymus lanceolatus ssp. lanceolatus 	Thickspike Wheatgrass	Grass	- Seed	-						
	- Elymus trachycaulus	Slender Wheatgrass	Grass	- Seed	-						
	- Elymus trachycaulus - Festuca idahoensis	Slender Wheatgrass Idaho Fescue	Grass Grass	- Seed - Seed	-		 				
	- Festuca thurberi	Thurber's Fescue	Grass	- Seed	-						
	- Hesperostipa comata - Koeleria macrantha	Needle and Thread Bunchgrass Prairie Junegrass	Grass Grass	- Seed - Seed	-						
	- Leymus cinereus	Great Basin Wildrye	Grass	- Seed	-						
	- Poa secunda sandbergii	Sandberg Bluegrass	Grass	- Seed	-						
Cover 100% o	- Pseudoroegneria spicata of Hatch Area)	Bluebunch Wheatgrass	Grass	- Seed	-	- -	1				
								Forbs = 20% of Seed Mix. Individual Species Percentages to be Supplied to Contractor During			
-	- Achillea millefolium occidentalis - Eriogonum umbellatum	Western Common Yarrow Sulfurflower Buckwheat	Forb Forb	- Seed - Seed	-			Construction Phase			
	- Linum lewisii	Blue Flax	Forb	- Seed							
	- Lupinus sericeus - Penstemon eatonii	Silky Lupine Firecracker Penstemon	Forb Forb	- Seed - Seed	-						
	- Penstemon eatonii - Penstemon strictus	Rocky Mountain Penstemon	Forb	- Seed	-		 				
	- Sphaeralcea sp.	Globemallow	Forb	- Seed	-			Species dependent on availability			
	FLOODPLAIN (125,000 SF)								124,999		
ely 20% of Tol	QTY BOTANICAL NAME tal Hatch Area (25,000 sf)	COMMON NAME	PLANT TYPE	SIZE ROOT	% OF HATCH AREA 20%	% OF PATCH O.C. SPACING		HOTES	Total SF Hatch	% of Hatch	O.C.
	80 Amelanchier alnifolia	Western Serviceberry	Shrub	#5 Cont.	20%	2.5% 3'		Plant in microsites that retain more moisture, Shrubs to be Field Located by Landscape Architect.			
	1600 Artemisia tridentata	Big Sagebrush Douglas Rabbitbrush	Shrub Shrub	10 ci Tube Seedling 10 ci Tube Seedling		50% 3'		Consider Establishing in island patches, Shrubs to be Field Located by Landscape Architect. Shrubs to be Field Located by Landscape Architect.			
	480 Chrysothamnus viscidiflorus 480 Ericameria nauseosa	Rubber Rabbitbrush	Shrub	10 ci Tube Seedling 10 ci Tube Seedling		15% 3' 15% 3'		Shrubs to be Field Located by Landscape Architect. Shrubs to be Field Located by Landscape Architect.			
	80 Prunus virginiana	Chokecherry	Shrub	#5 Cont.		2.5% 3'		Plant in microsites that retain more moisture, Shrubs to be Field Located by Landscape Architect.			
	320 Purshia tridentata 160 Rosa woodsii	Antelope Bitterbrush Wood's Rose	Shrub Shrub	#5 Tube Seedling		10% 3' 5% 3'		Plant in patches in favorable microsites, Shrubs to be Field Located by Landscape Architect. Shrubs to be Field Located by Landscape Architect.			
to Cover 100%	of Hatch Area)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,									
	- Festuca idahoensis	Idaho Fescue	Grass	- Seed	_			Grasses = 75% of Seed Mix. Individual Species Percentages to be Supplied to Contractor During Construction Phase			
	- Leymus cinereus	Great Basin Wildrye	Grass	- Seed	-						
	- Poa secunda sandbergii - Pseudoroegneria spicata	Sandberg Bluegrass Bluebunch Wheatgrass	Grass Grass	- Seed - Seed	-						
Cover 100% o	of Hatch Area)	Didebution Wileagrass	•	- 0000	_	-					
	- Achillea millefolium	Common Yarrow	Forb	- Seed	-			Forbs = 25% of Seed Mix. Individual Species Percentages to be Supplied to Contractor During			
	- Artemisia ludoviciana	White Sagebrush	Forb	- Seed	_			Construction Phase			
	- Eriogonum umbellatum	Sulfurflower Buckwheat	Forb	- Seed							
	- Linum lewisii - Lupinus argenteus	Blue Flax Silvery Lupine	Forb Forb	- Seed - Seed	-						
	- Penstemon sp.	Penstemon species	Forb	- Seed	-			Species dependent on availability			
	- Sphaeralcea sp.	Globemallow	Forb	- Seed	-			Species dependent on availability			
MESIC (WET) F	FLOODPLAIN (68,953 SF) QTY BOTANICAL NAME	COMMON NAME	PLANT TYPE	SIZE ROOT	Y OF HATCH ADEA	% OF PATCH O.C. SPACING		NOTES	68,953 Total SF Hatch	% of Hatch	o.c.
: 10% of Tota	il Hatch Area (6,895 sf)		'		10%	X OI TATOL			Total of Tratell	// Of Haton	0.0.
	55 Populus angustifolia 12 Populus tremuloides	Narrow-leaf Cottonwood Quaking Aspen	Tree Tree	#5 Cont. #5 Cont.	-	45% 8' 10% 8'		Install Wildlife Exclusion Fence Around Trees Install Wildlife Exclusion Fence Around Trees			
	55 Populus trichocarpa	Black Cottonwood		#5 Cont. #5 Cont.	-	45% 8'		Install Wildlife Exclusion Fence Around Trees Install Wildlife Exclusion Fence Around Trees			
	tal Hatch Area (6,895 sf)	Title CALL			10%						
	25 Alnus incana 25 Betula occidentalis	Thin-leaf Alder Water Birch	Shrub Shrub	#5 Cont. #5 Cont.		5% 6' 5% 6'		Plant in microsites that retain more moisture, Shrubs to be Field Located by Landscape Architect. Shrubs to be Field Located by Landscape Architect.			
	150 Ribes aureum	Golden Currant	Shrub	#5 Cont.		35% 6'		Shrubs to be Field Located by Landscape Architect.			
	150 Rosa woodsii 90 Symphoricarpos sp.	Wood's Rose Snowberry	Shrub Shrub	#5 Cont. #5 Cont.		35% 6' 20% 6'		Shrubs to be Field Located by Landscape Architect. Shrubs to be Field Located by Landscape Architect.			
	6 of Hatch Area)		Cub	John		_578				<u> </u>	<u>'</u>
	Flymus clausus	Blue Wildrye	Grass	- Seed				Grasses = 60% of Seed Mix. Individual Species Percentages to be Supplied to Contractor During Construction Phase			
	- Elymus glaucus - Leymus cinereus	Great Basin Wildrye	Grass	- Seed	-						
	- Pascopyrum smithii	Western Wheatgrass	Grass	- Seed	-						
Cover 100% o	- Pseudoroegneria spicata of Hatch Area)	Bluebunch Wheatgrass	Grass	- Seed	-						
T	- Achillea millefolium	Common Yarrow	Forb	- Seed	-			Early = 400/ of Cood Mix Individual Consider Descriptions to be Co. 15 14 Co. 15 15 Co.			
	- Linum lewisii	Blue Flax	Forb	- Seed	_			Forbs = 40% of Seed Mix. Individual Species Percentages to be Supplied to Contractor During Construction Phase			
	- Lupinus sp.	Lupine Species	Forb	- Seed	-			Species dependent on availability			
	- Penstemon sp Symphyotrichum laeve	Penstemon species Smooth Blue Aster	Forb Forb	- Seed - Seed	-			Species dependent on availability			
	- Vicia americana	American Vetch	Forb	- Seed	-						
				<u> </u>						<u> </u>	
	N RIPARIAN (26,985 SF)								26,985		
NEAR STREAM	QTY BOTANICAL NAME	COMMON NAME	PLANT TYPE	SIZE ROOT		% OF PATCH O.C. SPACING		HOTES	Total SF Hatch	% of Hatch	O.C.
		Narrow-leaf Cottonwood	Tree	#5 Cont.	25%	40% 8'		Tree Forming, Install Wildlife Exclusion Fence Around Trees			
					-			Install Wildlife Exclusion Fence Around Trees			
): 10% of Tota	50 Populus angustifolia 50 Populus trichocarpa	Black Cottonwood	Tree	#5 Cont.							
s): 10% of Tota	50 Populus angustifolia 50 Populus trichocarpa 15 Salix amygdaloides	Peachleaf Willow	Tree	#5 Cont.	-	40% 8' 10% 8'		Install Wildlife Exclusion Fence Around Trees Tree Forming, Install Wildlife Exclusion Fence Around Trees			
): 10% of Tota	50 Populus angustifolia 50 Populus trichocarpa			#5 Cont. #5 Cont.		10% 8' 10% 8'		Tree Forming, Install Wildlife Exclusion Fence Around Trees			
: 10% of Tota	50 Populus angustifolia 50 Populus trichocarpa 15 Salix amygdaloides 15 Salix lasiandra var. caudata	Peachleaf Willow	Tree Tree	#5 Cont.	-						

	440 0-	2-1	Colder Correct	Charle	- 4г	Cont		0.50/	CI		Mat Familia Charlesta to Field and a bull and a second April and				
-	110 Sa 110 Sa	Salix exigua	Golden Currant Wood's Rose	Shrub	#5	Cont.		25%	6'		Mat Forming, Shrubs to be Field Located by Landscape Architect. Clump Forming, Shrubs to be Field Located by Landscape Architect.				
Grasses (Seed to Cover 100%			Wood's Rose	Shrub	#5	Cont.		25%	0		Clump Forming, Shrubs to be Field Located by Landscape Architect.				
diasses (seed to cover 100%	OI NACOII AIG				1						Grasses = 100% of Seed Mix. Individual Species Percentages to be Supplied to Contractor During				
_	- Ca	Calamagrostis canadensis	Bluejoint Reedgrass	Grass	_	Seed		-	_		Construction Phase, Saturated but not inundated soils				
-	- De	Deschampsia cespitosa	Tufted Hairgrass	Grass	-	Seed	-	-	-		Saturated but not inundated soils				
-		Elymus glaucus	Blue Wildrye	Grass	-	Seed	-	-	-		Moist Soils				
	•	-				'				•	·		•	•	
BLANT MIVE IN CTREAM AG	MATIO (O OFF	5 SF, 33.33% of Total Hatch Area Indicated I	In Plane se Min F F (I)									6165 SF Mix E, F, G Hatch			
KEY KEY			COMMON NAME	PLANT TYPE	SIZE	ROOT	% OF PLANT MIX E	% OF PATCH	O.C. SPACING		NOTES	Total SF Hatch	% of Hatch	o.c.	QTY
Herbaceous Live Plants: 25%		O IARIORE RAME	COMMON PARME	FEARITIFE	-		25%	AGFFAIGH	OAC OF ACING		To be located along stream channels on inundated and saturated soils	Total of Tiaten	70 OI Hateii	T 0.0.	
-	265 Ca	Carex aquatilis	Water Sedge	Herbaceous	10ci	Tube Seedling	25%		9"		10 20 1001101 11018 0101111 0111111010 011 11111111				
		Carex utriculata	Beaked Sedge	Herbaceous		Tube Seedling	25%		9"						
-	265 Ele	leocharis palustris	Great Spike Rush	Herbaceous		Tube Seedling	25%		9"						
-	265 Jul	luncus articus	Arctic Rush	Herbaceous	10ci	Tube Seedling	25%		9"						
Seed Mix: Seed to Cover 100							% OF PLANT MIX E								
-	Be	Beckmannia syzigachne	American Slough Grass	Herbaceous	-	Seed	100%				Saturated but not inundated soils				
-		Calamagrostis canadensis	Bluejoint Grass	Herbaceous	-	Seed					Saturated but not inundated soils				
-	De	Deschampsia cespitosa	Tufted Hair Grass	Herbaceous	-	Seed					Saturated but not inundated soils				
-	Pa	Pascopyrum smithii	Western Wheatgrass	Herbaceous	-	Seed					Saturated but not inundated soils				
		LAND (2,065 SF, 33.33% of Total Hatch Area	COMMON NAME	PLANT TYPE	SIZE	ROOT	% OF PLANT MIX F	% OF PATCH			NOTES	Total SF Hatch	% of Hatch	o.c.	QTY
KEY	QIY BC	SOTARIGAL RAME	COMMON NAME	PLANT TYPE	SIZE	ROOT	% OF PLANT MIX F	% OF PATCH	O.C. SPACING		To be located along pond edges with zones of permanent inundation and frequent soil	Total SF Hatch	% of Hatch	0.0.	QIY
Herbaceous Live Plants: 25%	of Mir E						25%				esturation				
		Carex nebrascensis	Nebraska Sedge	Herhaceous	10ci	Tube Seedling	25%		Q"						
	265 Ca	Carex pellita	Wooly Sedge	Herbaceous		Tube Seedling	25%		9"						+
_	265 Ca	Carex utriculata	Beaked Sedge	Herbaceous		Tube Seedling	25%		9"						
	265 Jul		Arctic Rush	Herbaceous		Tube Seedling	25%		9"						
Seed Mix: Seed to Cover 100			<u> </u>			Ĭ	% OF PLANT MIX F								
-		Beckmannia syzigachne	American Slough Grass	Herbaceous	-	Seed	100%				Saturated but not inundated soils				
-		Calamagrostis canadensis	Bluejoint Grass	Herbaceous	-	Seed					Saturated but not inundated soils				
-		Deschampsia cespitosa	Tufted Hair Grass	Herbaceous	-	Seed					Saturated but not inundated soils				
-	Pa	Pascopyrum smithii	Western Wheatgrass	Herbaceous	-	Seed					Saturated but not inundated soils				
) (2,055 SF, 33.33% of Total Hatch Area Indic			_										
KEY Herbaceous Live Plants: 100	QTY BO	OCTANICAL NAME	COMMON NAME	PLANT TYPE	SIZE		% OF PLANT MIX Q	% OF PATCH	O.C. SPACING		NOTES To be located within pend on permanently inundated sells	Total SF Hatch	% of Hatch	o.c.	QTY
KEY Herbaceous Live Plants: 100	QTY B0 % of Mix Q 1185 Sc	OTANICAL NAME Schoenoplectus acutus	COMMON NAME Hardstem Bulrush	Herbaceous	#1	Cont.	100% 50%	% OF PATCH	O.G. SPACING			Total SF Hatch	% of Hatch	O.C.	QTY
KEY Herbaceous Live Plants: 100	QTY B0 % of Mix Q 1185 Sc	OCTANICAL NAME	COMMON NAME		#1		100%	% OF PATCH	0.C. SPACING 12" 12"			Total SF Hatch	% of Hatch	O.C.	QTY
KEY Herbaceous Live Plants: 100	QTY B0 % of Mix Q 1185 Sc	OTANICAL NAME Schoenoplectus acutus	COMMON NAME Hardstem Bulrush	Herbaceous	#1	Cont.	100% 50%	% OF PATCH	0.C. SPACINQ 12" 12"			Total SF Hatch	% of Hatch	O.C.	QTY
Horbaccous Live Plants: 2.00	QTY B0 % of Mbx Q 1185 Sc 1185 Sc 1185 Sc	Schoenoplectus acutus Scipus microcarpus	Hardstem Bulrush Small-Fruited Bulrush	Herbaceous Herbaceous	#1	Cont.	100% 50% 50%		12" 12"			26,483			
Horbacoous Live Plants: 100	QTY B0 % of Mix Q 1185 Sc 1185 Sc 1187 Sc E(24731 SF) QTY B0	BOTANICAL NAME Schoenoplectus acutus Schipus microcarpus BOTANICAL NAME	COMMON NAME Hardstem Bulrush	Herbaceous	#1	Cont.	100% 50% 50% 50%		0.C. SPACING 12" 12" 0.C. SPACING				% of Hatch	O.C.	QTY
Horbaccous Live Plants: 2.00	QTY B0 % of Mix Q 1185 Sc 1185 Sc 1187 Sc E(24731 SF) QTY B0	BOTANICAL NAME Schoenoplectus acutus Schipus microcarpus BOTANICAL NAME	COMMON NAME Hardstem Bulrush Small-Fruited Bulrush COMMON NAME	Herbaceous Herbaceous	#1 #1	Cont. Cont.	100% 50% 50%		12" 12"		To be located within pend on permanently inundated cells	26,483			
Horbacoous Live Plants: 100	QTY B0 % of Mix Q 1185 Sc	OCTANICAL NAME Schoenoplectus acutus Scirpus microcarpus OCTANICAL NAME 7 10 Chillea millefolium	COMMON NAME Hardstem Bulrush Small-Fruited Bulrush COMMON NAME Common Yarrow	Herbaceous Herbaceous PLANT TYPE Forb	#1 #1	Cont. Cont. ROOT	100% 50% 50% 50%		12" 12" 0.C. SPACING		To be located within pend on permanently inundated cells	26,483			
Herbacoous Live Plants: 100	QTY B0 % of Mbx Q 1185 Sc 1185 Sc 1185 Sc E (24731 SF) QTY B0 0a (9892.4 sf) 360 Ac 360 Ac 360 Ac	OCTANICAL NAME Schoenoplectus acutus Scirpus microcarpus OCTANICAL NAME 7) Achillea millefolium Aquilegia coerulea	COMMON NAME Hardstem Bulrush Small-Fruited Bulrush COMMON NAME Common Yarrow Blue Columbine	Herbaceous Herbaceous PLANT TYPE Forb Forb	#1 #1 #1 SIZE	Cont. Cont. ROOT Pot Cont.	100% 50% 50% 50% % OF NATCH AREA 40%	% of PATCH	12" 12" 0.C. SPACING		To be located within pend on permanently inundated cells	26,483			
Herbaceous Live Plants: 2.00	QTY D0	Schoenoplectus acutus Scirpus microcarpus SOTANICAL NAME 7) Achillea millefolium Aquilegia coerulea	COMMON NAME Hardstem Bulrush Small-Fruited Bulrush COMMON NAME Common Yarrow	Herbaceous Herbaceous PLANT TYPE Forb Forb Forb	#1 #1 #1 SIZE	ROOT Pot Cont. Cont	100% 50% 50% 50%	% OF PATCH	12" 12" 0.G. SPACING 18" 18"		To be located within pend on permanently inundated cells	26,483			
Herbaceous Live Plants: 2.00	QTY B0	OCTANICAL NAME Schoenoplectus acutus Scirpus microcarpus OCTANICAL NAME 7) Achillea millefolium Aquilegia coerulea	COMMON NAME Hardstem Bulrush Small-Fruited Bulrush COMMON NAME Common Yarrow Blue Columbine Duncecap Larkspur	Herbaceous Herbaceous PLANT TYPE Forb Forb	#1 #1 #1 SIZE	ROOT Pot Cont. Cont. Pot Pot Pot Pot Pot	100% 50% 50% 50% % OF NATCH AREA 40%	% of PATCH	12" 12" 0.C. SPACING		To be located within pend on permanently inundated cells	26,483			
PLANT MIX H - ASPEN GROVE KEY Forbe: 40% of Total Hatch Are	QTY BQ	Schoenoplectus acutus Scirpus microcarpus BOTANICAL NAME 7) Richillea millefolium Aquilegia coerulea Delphinium occidentale Erigeron speciosus Eriogonum umbellatum Saillardia aristata	COMMON NAME Hardstem Bulrush Small-Fruited Bulrush COMMON NAME COMMON NAME Common Yarrow Blue Columbine Duncecap Larkspur Showy Fleabane Sulfurflower Buckwheat Blanket Flower	Herbaceous Herbaceous PLANT TYPE Forb Forb Forb Forb Forb Forb Forb	#1 #1 #1 SIZE 10ci 10ci 10ci 10ci 10ci 10ci 10ci 10ci	ROOT Pot Cont. Cont. Pot	100% 50% 50% 50% % OF NATCH AREA 40% 	% OF PATCH	12" 12" 0.0. SPACING 18" 18" 18" 18" 18"		To be located within pend on permanently inundated cells	26,483			
PLANT MIX H - ASPEN GROVE KEY Forbs: 40% of Total Hatch Are	QTY Bd	BOTANICAL NAME Schoenoplectus acutus Scirpus microcarpus BOTANICAL NAME 7) Achillea millefolium Aquilegia coerulea Delphinium occidentale Erigeron speciosus Eriogonum umbeliatum Baillardia aristata Beranium viscossissimum	COMMON NAME Hardstem Bulrush Small-Fruited Bulrush COMMON NAME Common Yarrow Blue Columbine Duncecap Larkspur Showy Fleabane Sulfurflower Buckwheat Blanket Flower Sticky Geranium	Herbaceous Herbaceous PLANT TYPE Forb Forb Forb Forb Forb Forb Forb For	#1 #1 #1 SIZE 10ci 10ci 10ci 10ci 10ci 10ci 10ci 10ci	ROOT Pot Cont. Cont. Pot	100% 50% 50% *** OF NATCH AREA 40% 	% OF PATCH	12" 12" 0.C. SPACING 18" 18" 18" 18" 18" 18"		To be located within pend on permanently inundated cells	26,483			
PLANT MIX H - ASPEN GROVE KEY Porbe: 40% of Total Hatch Are	QTY BC	BOTANICAL NAME Schoenoplectus acutus Scirpus microcarpus BOTANICAL NAME 7) Achillea millefolium Aquilegia coerulea Pelphinium occidentale Engeron speciosus Erriogonum umbellatum Baillardia aristata Beranium viscosissimum Helilomeris multiflora	COMMON NAME Hardstem Bulrush Small-Fruited Bulrush COMMON NAME COMMON NAME Common Yarrow Blue Columbine Duncecap Larkspur Showy Fleabane Sulfurflower Buckwheat Blanket Flower Sticky Geranium Showy Goldeneye	Herbaceous Herbaceous PLANT TYPE Forb Forb Forb Forb Forb Forb Forb For	#1 #1 #1 #1 #1 #1 #1 #1 #1	ROOT Pot Cont. Cont. Cont. Cont. Pot Pot Pot Pot Cont.	100% 50% 50% 50% % OF HATCH AREA 40% 	X OF PATCH	12" 12" 12" 0.0. SPACING 18" 18" 18" 18" 18" 18" 18" 18"		To be located within pend on permanently inundated cells	26,483			
PLANT MIX H - ASPEN GROVE KEY Porbe: 40% of Total Hatch Are	QTY BQ	BOTANICAL NAME Schoenoplectus acutus Scirpus microcarpus BOTANICAL NAME 7) 10 10 10 10 10 10 10 10 10 10 10 10 10	COMMON NAME Hardstem Bulrush Small-Fruited Bulrush COMMON NAME Common Yarrow Blue Columbine Duncecap Larkspur Showy Fleabane Suffurflower Buckwheat Blanket Flower Sticky Geranium Showy Goldeneye Meadow Fire	Herbaceous Herbaceous PLANT TYPE Forb Forb Forb Forb Forb Forb Forb For	#1 #1 #1 #1 #1 #1 #1 #1 #1	ROOT Pot Cont. Cont. Pot Pot Pot Pot Cont.	100% 50% 50% 50% % OF HATCH AREA 40% 	% OF PATCH	12" 12" 0.0. SPACING 18" 18" 18" 18" 18" 18" 18" 18"		To be located within pend on permanently inundated cells	26,483			
PLANT MIX H - ASPEN GROVE KEY Forbs: 40% of Total Hatch Are	QTY BC	BOTANICAL NAME Schoenoplectus acutus Scirpus microcarpus BOTANICAL NAME To chillea millefolium Aquilegia coerulea Delphinium occidentale Eriogeron speciosus Eriogonum umbellatum Saillardia aristata Deranium viscosissimum teliomeris multiflora Tylymenoxys hoopesii Inum lewisii	COMMON NAME Hardstem Bulrush Small-Fruited Bulrush COMMON NAME COMMON Yarrow Blue Columbine Duncecap Larkspur Showy Fleabane Suffurflower Buckwheat Blanket Flower Sücky Geranium Showy Goldeneye Meadow Fire Blue Flax	Herbaceous Herbaceous PLANT TYPE Forb Forb Forb Forb Forb Forb Forb For	#1 #1 #1 #1 #1 #1 #1 #1 #	Cont. Cont. Cont. Pot Pot Pot Pot Cont.	100% 50% 50% 50% % OF HATCH AREA 40% 	X OF PATCH	12" 12" 12" 12" 0.0. SPACING 18" 18" 18" 18" 18" 18" 18" 18" 18" 18		To be located within pend on permanently inundated cells	26,483			
PLANT MIX H - ASPEN GROVE REY Forbs: 40% of Total Hatch Are	QTY BC	BOTANICAL NAME Schoenoplectus acutus Scirpus microcarpus BOTANICAL NAME 7) Achillea millefolium Aquilegia corrulea Delphinium occidentale Erigeron speciosus Eriogonum umbellatum Bailliardia aristata Beranium viscosissimum Heilomeris multiflora Hymenoxys hoopesii Inum lewisi	COMMON NAME Hardstem Bulrush Small-Fruited Bulrush COMMON NAME Common Yarrow Blue Columbine Duncecap Larkspur Showy Fleabane Sulfurflower Buckwheat Blanket Flower Sticky Geranium Showy Goldeneye Meadow Fire Blue Flax Rwdberd's Penstemon	Herbaceous Herbaceous PLANT TYPE Forb Forb Forb Forb Forb Forb Forb For	#1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #	ROOT Pot Cont. Cont. Pot Pot Pot Cont.	100% 50% 50% 50% % OF HATCH AREA 40% 	% OF PATCH	12" 12" 0.0. SPACING 18" 18" 18" 18" 18" 18" 18" 18"		To be located within pend on permanently inundated cells	26,483			
Herbacoous Live Plants: 200	QTY BC % of Mbx Q % of Mbx Q 1185 Sc 1185 Sc 1185 Sc QTY BC QTY BC 360 Ac 360 Ac 360 En 360 En 360 He 360 He 360 He 360 Re 360 Re	BOTANICAL NAME Schoenopiectus acutus Scirpus microcarpus BOTANICAL NAME 7) Chillea millefolium Aquilegia coerulee Delphinum occidentale Eriogeon speciosus Eriogonum umbellatum Bailliardia aristata Beranlum viscosissimum teliomeris multiflora 1-tyrenoxys hoopesii Inum lewisii Penstemon rydbergii Penstemon rydbergii Penstemon rydbergii	COMMON NAME Hardstem Bulrush Small-Fruited Bulrush COMMON NAME COMMON Yarrow Blue Columbine Duncecap Larkspur Showy Fleabane Suffurflower Buckwheat Blanket Flower Sücky Geranium Showy Goldeneye Meadow Fire Blue Flax	Herbaceous Herbaceous PLANT TYPE Forb Forb Forb Forb Forb Forb Forb For	#1 #1 #1 #1 #1 #1 #1 #1 #1	ROOT Pot Cont. Cont. Pot Pot Cont.	**************************************	% OF PATCH	12" 12" 12" 0.C. SPACING 18" 18" 18" 18" 18" 18" 18" 18" 18" 18		To be located within pend on permanently inundated cells	26,483			
PLANT MIX H - ASPEN GROVE Porbe: 40% of Total Hatch Are	QTY BC	BOTANICAL NAME Schoenoplectus acutus Scirpus microcarpus BOTANICAL NAME D D Scirillea millefolium Aquilegia coerulea Pelpininum occidentale Pelpininum occidentale Pelpininum occidentale Pelpininum occidentale Pergeron speciosus Pergeron speciosus Persiemon viscosissimum Heliomeris multiflora Hymenoxys hoopesii Linum lewisii Persiemon rydbergii Persiemon strictus Vudbeckia occidentalis Solidago missounensis	COMMON NAME Hardstem Bulrush Small-Fruited Bulrush COMMON NAME Common Yarrow Blue Columbine Duncecap Larkspur Showy Fleabane Suffurflower Buckwheat Blanket Flower Sticky Geranium Showy Goldeneye Meadow Fire Blue Flax Rydberg's Penstemon Rocky Mountain Penstemon Western Coneflower Missouri Goldernod	Herbaceous Herbaceous Herbaceous PLANT TYPE Forb Forb Forb Forb Forb Forb Forb For	#1 #1 #1 #1 #1 #1 #1 #1 #1	ROOT Pot Cont. Cont. Pot Pot Cont.	**************************************	X OF PATCH	12" 12" 12" 0.0. SPACING 18" 18" 18" 18" 18" 18" 18" 18" 18" 18		To be located within pend on permanently inundated cells	26,483			
PLANT MIX H - ASPEN GROVE Porbe: 40% of Total Hatch Are	QTY BC	BOTANICAL NAME Schoenoplectus acutus Scirpus microcarpus BOTANICAL NAME TO CONTROL NAME TO CO	COMMON NAME Hardstem Bulrush Small-Fruited Bulrush COMMON NAME COMMON NAME Common Yarrow Blue Columbine Duncecap Larkspur Showy Fleabane Sulfurflower Buckwheat Blanket Flower Sticky Geranium Showy Goldeneye Meadow Fire Blue Flax Rydberg's Penstemon Rocky Mountain Penstemon Rocky Mountain Penstemon Westem Coneflower	Herbaceous Herbaceous Herbaceous PLANT TYPE Forb Forb Forb Forb Forb Forb Forb For	#1 #1 #1 #1 #1 #1 #1 #1 #1	ROOT Pot Cont. Cont. Pot Pot Cont.	**************************************	X OF PATCH	12" 12" 12" 12" 0.C. SPACING 18" 18" 18" 18" 18" 18" 18" 18" 18" 18		To be located within pend on permanently inundated cells	26,483			
Herbaceous Live Plants: 100	QTY BC	BOTANICAL NAME Schoenoplectus acutus Scirpus microcarpus BOTANICAL NAME D D Scirillea millefolium Aquilegia coerulea Pelpininum occidentale Pelpininum occidentale Pelpininum occidentale Pelpininum occidentale Pergeron speciosus Pergeron speciosus Persiemon viscosissimum Heliomeris multiflora Hymenoxys hoopesii Linum lewisii Persiemon rydbergii Persiemon strictus Vudbeckia occidentalis Solidago missounensis	COMMON NAME Hardstem Bulrush Small-Fruited Bulrush COMMON NAME Common Yarrow Blue Columbine Duncecap Larkspur Showy Fleabane Suffurflower Buckwheat Blanket Flower Sticky Geranium Showy Goldeneye Meadow Fire Blue Flax Rydberg's Penstemon Rocky Mountain Penstemon Western Coneflower Missouri Goldernod	Herbaceous Herbaceous Herbaceous PLANT TYPE Forb Forb Forb Forb Forb Forb Forb For	#1 #1 #1 #1 #1 #1 #1 #1 #	Pot Cont. Cont. Pot Pot Pot Cont.	**************************************	X OF PATCH	12" 12" 12" 12" 0.0. SPACING 18" 18" 18" 18" 18" 18" 18" 18" 18" 18		To be located within pend on permanently inundated cells	26,483			
Herbacoous Live Plants: 200	QTY BC	BOTANICAL NAME Schoenoplectus acutus Scirpus microcarpus BOTANICAL NAME 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	COMMON NAME Hardstem Bulrush Small-Fruited Bulrush COMMON NAME COMMON NAME COMMON NAME COMMON NAME COMMON NAME COMMON PARTOW Blue Columbine Duncecap Larkspur Showy Fleabane Sulfurflower Buckwheat Blanket Flower Sticky Geranium Showy Goldeneye Meadow Fire Blue Flax Rydberg's Penstemon Rocky Mountain Pensternon Western Coneflower Missouri Goldernod Smooth Aster	Herbaceous Herbaceous Herbaceous PLANT TYPE Forb Forb Forb Forb Forb Forb Forb For	#1 #1 #1 #1 #1 #1 #1 #1 #	ROOT Pot Cont. Cont. Pot Pot Pot Cont. Tube Seedling	**************************************	X OF PATCH	12" 12" 12" 0.0. SPACING 18" 18" 18" 18" 18" 18" 18" 18" 18" 18		To be located within pend on permanently inundated cells	26,483			
Herbacoous Live Plants: 200	QTY BC	BOTANICAL NAME Schoenoplectus acutus Scirpus microcarpus BOTANICAL NAME TO CARROLL NAME TO CA	COMMON NAME Hardstem Bulrush Small-Fruited Bulrush COMMON NAME COMMON NAME COMMON NAME COMMON Yarrow Blue Columbine Duncecap Larkspur Showy Fleabane Suffurflower Buckwheat Blanket Flower Sücky Geranium Showy Goldeneye Meadow Fire Blue Flax Rydberg's Penstemon Rocky Mountain Penstemon Western Coneflower Missour Goldenrod Smooth Aster Side Oats Gram Blue Grama	Herbaceous Herbaceous Herbaceous PLANT TYPE Forb Forb Forb Forb Forb Forb Forb For	#11 #11 #11 #11 #11 #11 #11 #11 #11 #11	ROOT Pot Cont. Cont. Pot Pot Pot Cont. Cont. Cont. Cont. Cont. Cont. Cont. Cont. Cont. Tube Seedling Tube Seedling	**************************************	X OF PATCH	12" 12" 12" 12" 12" 0.C. SPACING 18" 18" 18" 18" 18" 18" 18" 18" 18" 18		To be located within pend on permanently inundated cells	26,483			
Herbaceous Live Plants: 3.00	QTY BC	BOTANICAL NAME Schoenoplectus acutus Scirpus microcarpus BOTANICAL NAME 7 7 9 10 10 10 10 10 10 10 10 10 10 10 10 10	COMMON NAME Hardstem Bulrush Small-Fruited Bulrush COMMON NAME COMMON NAME Common Yarrow Blue Columbine Duncecap Larkspur Showy Fleabane Sulfurliower Buckwheat Blanket Flower Sticky Geranium Showy Goldeneye Meadow Fire Blue Flax Rydberg's Penstemon Rocky Mountain Penstemon Rocky Mountain Penstemon Westem Coneflower Missouri Goldenrod Smooth Aster Side Oats Gram Blue Grama Idaho Blue Fescue	Herbaceous Herbaceous Herbaceous PLANT TYPE Forb Forb Forb Forb Forb Forb Forb For	#1 #1 #1 #1 #1 #1 #1 #1 #	ROOT Pot Cont. Cont. Pot Pot Pot Cont. Tube Seedling Tube Seedling	**************************************	X OF PATCH	12" 12" 12" 12" 0.C. SPACING 18" 18" 18" 18" 18" 18" 18" 18" 18" 18		To be located within pend on permanently inundated cells	26,483			
Herbaceous Live Plants: 3.00	QTY BC	BOTANICAL NAME Schoenopiectus acutus Scirpus microcarpus BOTANICAL NAME 7 Richilea millefolium Aquilegia coerulea Delphinium occidentale Eriogonum umbellatum Bailliardia aristata Beranium viscosissimum Heliomeris multiflora Hymenoxys hoopesii Linum lewisii Penstemon tyrbergiii Penstemon rydbergiii Penstemon istrictus Rudbeckia occidentalis Solidago missouriensis Symphyotrichum laeve Bouteloua curtipendula Bouteloua gracilis Festuca idahoensis Festyca idahoensis Festyca idahoensis Festyca idahoensis Festyca idahoensis	COMMON NAME Hardstem Bulrush Small-Fruited Bulrush COMMON NAME Common Yarrow Blue Columbine Duncecap Larkspur Showy Fleabane Sulfurflower Buckwheat Blanket Flower Sticky Geranium Showy Goldeneye Meadow Fire Blue Flax Rydberg's Penstemon Rocky Mountain Penstemon Western Coneflower Missouri Goldenrod Smooth Aster Side Oats Gram Blue Grama Idaho Blue Fescue Needle and Thread Grass	Herbaceous Herbaceous Herbaceous Herbaceous PLANT TYPE Forb Forb Forb Forb Forb Forb Forb For	#1 #1 #1 #1 #1 #1 #1 #1 #	Cont. Cont. Cont. Pot Pot Pot Cont. Tont. Cont. Cont. Cont. Cont. Cont. Tube Seedling Tube Seedling Tube Seedling Tube Seedling Tube Seedling Tube Seedling	**************************************	X OF PATCH	12" 12" 12" 12" 12" 12" 12" 12" 18" 18" 18" 18" 18" 18" 18" 18" 18" 18		To be located within pend on permanently inundated cells	26,483			
Herhacoous Live Plants: 200	QTY BC	BOTANICAL NAME Schoenoplectus acutus Scirpus microcarpus BOTANICAL NAME 7 7 9 10 10 10 10 10 10 10 10 10 10 10 10 10	COMMON NAME Hardstem Bulrush Small-Fruited Bulrush COMMON NAME COMMON NAME Common Yarrow Blue Columbine Duncecap Larkspur Showy Fleabane Sulfurliower Buckwheat Blanket Flower Sticky Geranium Showy Goldeneye Meadow Fire Blue Flax Rydberg's Penstemon Rocky Mountain Penstemon Rocky Mountain Penstemon Westem Coneflower Missouri Goldenrod Smooth Aster Side Oats Gram Blue Grama Idaho Blue Fescue	Herbaceous Herbaceous Herbaceous PLANT TYPE Forb Forb Forb Forb Forb Forb Forb For	#1 #1 #1 #1 #1 #1 #1 #1 #	ROOT Pot Cont. Cont. Pot Pot Pot Cont. Tube Seedling Tube Seedling	**************************************	X OF PATCH	12" 12" 12" 12" 0.C. SPACING 18" 18" 18" 18" 18" 18" 18" 18" 18" 18		To be located within pend on permanently inundated cells	26,483 Total SF Hatch			
Herbacoous Live Plants: 200	QTY BC	BOTANICAL NAME Schoenopiectus acutus Scirpus microcarpus BOTANICAL NAME 7 Richilea millefolium Aquilegia coerulea Delphinium occidentale Eriogonum umbellatum Bailliardia aristata Beranium viscosissimum Heliomeris multiflora Hymenoxys hoopesii Linum lewisii Penstemon tyrbergiii Penstemon rydbergiii Penstemon istrictus Rudbeckia occidentalis Solidago missouriensis Symphyotrichum laeve Bouteloua curtipendula Bouteloua gracilis Festuca idahoensis Festyca idahoensis Festyca idahoensis Festyca idahoensis Festyca idahoensis	COMMON NAME Hardstem Bulrush Small-Fruited Bulrush COMMON NAME Common Yarrow Blue Columbine Duncecap Larkspur Showy Fleabane Sulfurflower Buckwheat Blanket Flower Sticky Geranium Showy Goldeneye Meadow Fire Blue Flax Rydberg's Penstemon Rocky Mountain Penstemon Western Coneflower Missouri Goldenrod Smooth Aster Side Oats Gram Blue Grama Idaho Blue Fescue Needle and Thread Grass	Herbaceous Herbaceous Herbaceous Herbaceous PLANT TYPE Forb Forb Forb Forb Forb Forb Forb For	#1 #1 #1 #1 #1 #1 #1 #1 #	ROOT Pot Cont. Cont. Pot Pot Pot Cont. Tube Seedling Tube Seedling Tube Seedling Tube Seedling	**************************************	X OF PATCH	12" 12" 12" 12" 12" 12" 12" 12" 18" 18" 18" 18" 18" 18" 18" 18" 18" 18		To be located within pend on permanently inundated cells	26,483			
Herbacoous Live Plants: 200	QTY BC	Schoenoplectus acutus Schoenoplectus acutus Scirpus microcarpus SOTANICAL NAME 7) Chrillea millefolium Aquilegia coerulea Delphinium occidentale Eriogron speciosus Eriogronum umbellatum Balliardia aristata Beranlum viscosissimum teliomeris multiflora 1-tymenoxys hoopesii Inum lewisii Penstemon tydbergii Penstemon probergii Penstemon strictus Rudbeckia occidentalis Soldago missouriensis Symphyotrichum laeve Bouteloua curtipendula Bouteloua gracilis Eestuca idahoensis tesperastipa comata Dryzopsis hymenoides	COMMON NAME Hardstem Bulrush Small-Fruited Bulrush COMMON NAME COMMON COMMON NAME COMMON NA	Herbaceous Herbaceous Herbaceous Herbaceous PLANT TYPE Forb Forb Forb Forb Forb Forb Forb For	#1 #1 #1 #1 #1 #1 #1 #1 #	ROOT Pot Cont. Cont. Pot Pot Pot Cont. Tube Seedling Tube Seedling Tube Seedling Tube Seedling	1,00% 50% 50% 50% 50% % OF HATCH AREA 40%	X OF PATCH	12" 12" 12" 12" 12" 0.0. SPACING 18" 18" 18" 18" 18" 18" 18" 18" 18" 18		To be located within pond on permanently inundated soils NOTES	26,483 Total SF Hatch	% of Hatch	O.C.	QTY
Herbacoous Live Plants: 200	QTY BC	Schoenoplectus acutus Schoenoplectus acutus Scirpus microcarpus SOTANICAL NAME 7) Chrillea millefolium Aquilegia coerulea Delphinium occidentale Eriogron speciosus Eriogronum umbellatum Balliardia aristata Beranlum viscosissimum teliomeris multiflora 1-tymenoxys hoopesii Inum lewisii Penstemon tydbergii Penstemon probergii Penstemon strictus Rudbeckia occidentalis Soldago missouriensis Symphyotrichum laeve Bouteloua curtipendula Bouteloua gracilis Eestuca idahoensis tesperastipa comata Dryzopsis hymenoides	COMMON NAME Hardstem Bulrush Small-Fruited Bulrush COMMON NAME	Herbaceous Herbaceous Herbaceous Herbaceous PLANT TYPE Forb Forb Forb Forb Forb Forb Forb For	#1 #1 #1 #1 #1 #1 #1 #1 #	ROOT Pot Cont. Cont. Pot Pot Pot Pot Cont. Tube Seedling Tube Seedling Tube Seedling Tube Seedling Tube Seedling	100% 50% 50% % OF HATCH AREA 40%	X OF PATCH	12" 12" 12" 12" 12" 0.0. SPACING 18" 18" 18" 18" 18" 18" 18" 18" 18" 18		To be located within pond on permanently inundated soils NOTES	26,483 Total SF Hatch	% of Hatch	O.C.	QTY
Herbacoous Live Plants: 200	QTY BC	OTANICAL NAME Schoenoplectus acutus Scirpus microcarpus OTANICAL NAME T) Schillea millefolium Aquilegia coerulea Delphinium occidentale Eriogeron speciosus Eriogonum umbellatum Saillardia aristata Deranium viscosissimum teliomeris multiflora 1-tymenoxys hoopesii Inum lewisii Penstemon rydbergii Penstemon strictus Rudbeckia occidentalis Solidago missouriensis Symphyotrichum laeve Bouteloua gracilis Eestuca idahoensis	COMMON NAME Hardstem Bulrush Small-Fruited Bulrush COMMON NAME	Herbaceous Herbaceous Herbaceous Herbaceous PLANT TYPE Forb Forb Forb Forb Forb Forb Forb For	#1 #1 #1 #1 #1 #1 #1 #1 #	ROOT Pot Cont. Cont. Cont. Pot Pot Pot Cont. Tube Seedling Tube Seedling Tube Seedling Tube Seedling Tube Seedling	100% 50% 50% % OF HATCH AREA 40%	X OF PATCH	12" 12" 12" 12" 12" 0.0. SPACING 18" 18" 18" 18" 18" 18" 18" 18" 18" 18		To be located within pond on permanently inundated soils NOTES	26,483 Total SF Hatch	% of Hatch	O.C.	QTY
Herbacoous Live Plants: 200	QTY BC	BOTANICAL NAME Schoenoplectus acutus Scirpus microcarpus BOTANICAL NAME ORA Scirillea millefolium Aquilegia coerulea Delphinium occidentale Perigeron speciosus Eriogonum umbelletum Saillardia aristata Seranium viscosissimum Heliomeris multiflora Hymenoxys hoopesii Linum lewisi Peristemon rydbergii Peristemon rydbergii Peristemon strictus Rudbeckia occidentalis Solidago missouriensis Symphyotrichum laeve Souteloua curtipendula Souteloua gracilis Festuca idahoensis Hesperostipa comata Dyzopsis hymenoides BOTANICAL NAME HAANNEL EDEES POND & Channel Edges Mix of these species	COMMON NAME Hardstem Bulrush Small-Fruited Bulrush COMMON NAME	Herbaceous Herbaceous Herbaceous Herbaceous Herbaceous PLANT TYPE Forb Forb Forb Forb Forb Forb Forb For	#1 #1 #1 #1 #1 #1 #1 #1 #	ROOT Pot Cont. Cont. Cont. Pot Pot Pot Cont. Tube Seedling Tube Seedling Tube Seedling Tube Seedling Tube Seedling	100% 50% 50% % OF HATCH AREA 40%	X OF PATCH	12" 12" 12" 12" 12" 0.0. SPACING 18" 18" 18" 18" 18" 18" 18" 18" 18" 18		To be located within pond on permanently inundated soils NOTES NOTES NOTES	26,483 Total SF Hatch	% of Hatch	O.C.	QTY
Herbacoous Live Plants: 200	QTY BC	BOTANICAL NAME Schoenopiectus acutus Scirpus microcarpus BOTANICAL NAME 7 Richilea millefolium Aquilegia coerulea Delphinium occidentale Eriogonum umbellatum Sailliardia aristata Beranium viscosissimum Heliomeris multiflora Hymenoxys hoopesii Linum lewisii Penstemon tydbergiii Penstemon rydbergiii Penstemon sirictus Rudbeckia occidentalis Solidago missouriensis Symphyotrichum laeve Bouteloua gracilis Festuca idahoensis Hesperostipa comata Dryzopsis hymenoides BOTANICAL NAME HANNEL EDBES Pond & Channel Edges Mix of these species: Carex nebrascensis, Carex pellita, Carex	COMMON NAME Hardstem Bulrush Small-Fruited Bulrush COMMON NAME Common Yarrow Blue Columbine Duncecap Larkspur Showy Fleabane Sulfurflower Buckwheat Blanket Flower Sticky Geranium Showy Goldeneye Meadow Fire Blue Flax Rydberg's Penstemon Rocky Mountain Penstemon Western Coneflower Missouri Goldenrod Smooth Aster Side Oats Gram Blue Grama Blue Grama Blue Grama Idaho Blue Fescue Needle and Thread Grass Indian Ricegrass COMMON NAME	Herbaceous Herbaceous Herbaceous Herbaceous Herbaceous PLANT TYPE Forb Forb Forb Forb Forb Forb Forb For	#1 #1 #1 #1 #1 #1 #1 #1 #	ROOT Pot Cont. Cont. Cont. Pot Pot Pot Cont. Tube Seedling Tube Seedling Tube Seedling Tube Seedling Tube Seedling	100% 50% 50% % OF HATCH AREA 40%	X OF PATCH	12" 12" 12" 12" 12" 0.0. SPACING 18" 18" 18" 18" 18" 18" 18" 18" 18" 18		To be located within pond on permanently inundated soils NOTES NOTES NOTES	26,483 Total SF Hatch 26,483 Total SF Hatch	% of Hatch	O.C.	QTY
Herbacoous Live Plants: 100	QTY BC	OTANICAL NAME Schoenoplectus acutus Scirpus microcarpus OTANICAL NAME T) Schillea millefolium Aquilegia coerulea Delphinium occidentale Eriogrom speciosus Eriogrom umbellatum Saillardia aristata Deranium viscosissimum Heliomeris multiflora Hymenoxys hoopesii Inum lewisi Penstemon rydbergii Penstemon strictus Rudbeckia occidentalis Solidago missouriensis Symphyotrichum laeve Bouteloua gracilis Eestuca idahoensis Hesperostipa comata Dryzopsis hymenoides OTANICAL NAME HANNEL EDGES OTANICAL NAME HANGL EDGES OTANICAL NAME HANGL EDGES OTANICAL NAME	COMMON NAME Hardstem Bulrush Small-Fruited Bulrush COMMON NAME Rocky Mountain Penstemon Western Coneflower Missouri Goldenrod Smooth Aster Side Osts Gram Blue Gram Idaho Blue Fescue Needle and Thread Grass Indian Ricegrass COMMON NAME	Herbaceous Herbaceous Herbaceous Herbaceous Herbaceous PLANT TYPE Forb Forb Forb Forb Forb Forb Forb For	#1 #1 #1 #1 #1 #1 #1 #1 #	ROOT Pot Cont. Cont. Cont. Pot Pot Pot Cont. Cont. Cont. Cont. Cont. Cont. Cont. Cont. Tube Seedling	1,00% 50% 50% 50% 50% % OF HATCH AREA 40%	X OF PATCH	12" 12" 12" 12" 12" 12" 0.C. SPACING 18" 18" 18" 18" 18" 18" 18" 18" 18" 18		To be located within pond on permanently inundated solls NOTES NOTES Mix of sedges and rushes at water's edge along pond shores and stream channel margins	26,483 Total SF Hatch	% of Hatch	O.C.	QTY
Herbacoous Live Plants: 100	QTY BC	BOTANICAL NAME Schoenopiectus acutus Scirpus microcarpus BOTANICAL NAME 7 Richilea millefolium Aquilegia coerulea Delphinium occidentale Eriogonum umbellatum Sailliardia aristata Beranium viscosissimum Heliomeris multiflora Hymenoxys hoopesii Linum lewisii Penstemon tydbergiii Penstemon rydbergiii Penstemon sirictus Rudbeckia occidentalis Solidago missouriensis Symphyotrichum laeve Bouteloua gracilis Festuca idahoensis Hesperostipa comata Dryzopsis hymenoides BOTANICAL NAME HANNEL EDBES Pond & Channel Edges Mix of these species: Carex nebrascensis, Carex pellita, Carex	COMMON NAME Hardstem Bulrush Small-Fruited Bulrush COMMON NAME Rocky Mountain Penstemon Western Coneflower Missouri Goldenrod Smooth Aster Side Osts Gram Blue Gram Idaho Blue Fescue Needle and Thread Grass Indian Ricegrass COMMON NAME	Herbaceous Herbaceous Herbaceous Herbaceous Herbaceous PLANT TYPE Forb Forb Forb Forb Forb Forb Forb For	#1 #1 #1 #1 #1 #1 #1 #1 #	ROOT Pot Cont. Cont. Cont. Pot Pot Pot Cont. Cont. Cont. Cont. Cont. Cont. Cont. Cont. Tube Seedling	1,00% 50% 50% 50% 50% % OF HATCH AREA 40%	X OF PATCH	12" 12" 12" 12" 12" 12" 0.C. SPACING 18" 18" 18" 18" 18" 18" 18" 18" 18" 18	omit Pricing for New Sod as part of their b	To be located within pond on permanently inundated solls NOTES NOTES Mix of sedges and rushes at water's edge along pond shores and stream channel margins	26,483 Total SF Hatch 26,483 Total SF Hatch	% of Hatch	O.C.	QTY