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Shoreline Wet Edge		A grass, sedge, rush, & forb seed mix for muddy pond, muddy ditch, & muddy lake shorelines. A mix meant for areas where there is an abrupt change from the waterline to a steep, drier slope. Do not plant below normal water level unless basin has a stop log for prolonged dewatering to maintain mudflat conditions (and there is a mudflat!), or you have money to burn. These seeds will not germinate under water. Only a few of the hundreds of species we offer will germinate under water. The performance of all shoreline & emergent seed mixes are compromised by basins with a "normal" water level, & no seasonal low water level.
Native species per mix	33	
Native seeds per square foot	482	
Native FQ1 NE Illinois	24.95	
Native FQ1 Illinois	21.36	
Native Mean C Value NE Illinois	4.34	
Native Mean C Value Illinois	3.72	
Mean W Value NE Illinois	(4.19)	
Mean W Value Illinois	(4.31)	
		A toilet bowl mix, for those areas around detention/retention basins, that are steeply sloping, ceramic-hard clay soils, & alternately wet & dry. Instead of gentle, gradual slopes, more green open space, we crowd in more parking or another duplex or condo. These slopes are about as natural as & as easy to vegetate as the sides of a toilet bowl. Look close, there goes the Tidy-Bowl© man.

Graminoids, or grasses, sedges, rushes, and other grasslike plants.

ACRONYMS						S&W		S&W wet		S&W wet Illinois		IL wet		IL wet		bloom time																												
S&W	ILL	USDA	vPlants	scientific name	common name	family	type	C	index	acro	C	index	acro	height	color	M	A	M	J	J	A	S	O	N	seeds/oz	seeds/lb	lb/ac	seeds/ acre	seeds/ftsq	% by weight	% by count													
AGRALP	AGRALP	AGST2	AGST2	<i>Agrostis stolonifera (A alba palustris)</i>	Bent Grass	<i>Gramineae</i>	Nt P-Grass	10	-5	[OBL]	8	-3	FACW	1.0-2.0 (1.5)	na										400,000	6,400,000	1.00	6,400,000	146.92	11.62%	30.50%													
CXBEBB	CXBEBB	CABE2	CABE2	<i>Carex bebbii</i>		<i>Cyperaceae</i>	Nt P-Sedge	6	-5	OBL	8	-5	OBL	2.0-3.0 (2.5)	na										112,500	1,800,000	0.250	450,000	10.33	2.90%	2.14%													
CXCXCO	CXCXCO	CAC08	CAC08	<i>Carex comosa</i>	Bristly Sedge	<i>Cyperaceae</i>	Nt P-Sedge	5	-5	OBL	6	-5	OBL	1.0-2.5 (1.5)	na										30,000	480,000	0.125	60,000	1.38	1.45%	0.29%													
CXCRIS	CXCRIS	CACR7	CACR7	<i>Carex cristatella</i>	Crested Oval Sedge	<i>Cyperaceae</i>	Nt P-Sedge	4	-4	FACW+	3	-4	FACW+	1.5-3.0 (2.3)	na										112,500	1,800,000	0.125	225,000	5.17	1.45%	1.07%													
CXCSCP	CXCSCP	CASC5	CASC5	<i>Carex scoparia</i>	Pointed Broom Sedge	<i>Cyperaceae</i>	Nt P-Sedge	7	-3	FACW	5	-3	FACW	1.0-3.0 (2.0)	na										87,500	1,400,000	0.250	350,000	8.03	2.90%	1.67%													
CXSTIP	CXSTIP	CAS75	CAS75	<i>Carex stipata</i>	Awl-fruited Sedge	<i>Cyperaceae</i>	Nt P-Sedge	3	-5	OBL	2	-5	OBL	2.0-3.0 (2.5)	na										35,000	560,000	0.125	70,000	1.61	1.45%	0.33%													
CXVULP	CXVULP	CAVU2	CAVU2	<i>Carex vulpinoidea</i>	Fox Sedge	<i>Cyperaceae</i>	Nt P-Sedge	2	-5	OBL	3	-5	OBL	2.0-3.0 (2.5)	na										97,188	1,555,500	0.250	777,500	17.85	5.81%	3.71%													
CYPERY	CYPERY	CYER2	CYER2	<i>Cyperus erythrorhizos</i>	Redroot Nut Sedge	<i>Cyperaceae</i>	Nt A-Sedge	2	-5	OBL	1	-5	OBL	0.2-0.8 (0.5)	yellowish										568,750	9,100,000	0.188	1,710,000	39.27	2.18%	8.15%													
CYPEYC	CYPEYC	CYES	CYES	<i>Cyperus exulatus</i>	Field Nut Sedge	<i>Cyperaceae</i>	Nt P-Sedge	0	-1	[FAC+]	0	-3	FACW	0.5-2.0 (1.3)	yellowish										75	1,200	0.188	226	0.01	2.18%	0.00%													
ELEACI	ELEACI	ELAC	ELAC	<i>Eleocharis acicularis</i>	Needle Spike Rush	<i>Cyperaceae</i>	Nt P-Sedge	2	-5	OBL	3	-5	OBL	0.25-1.0 (0.5)	na										70,625	1,130,000	0.125	141,250	3.24	1.45%	0.67%													
ELEOBT	ELEOBT	ELOB2	ELOB2	<i>Eleocharis obtusa</i>	Blunt Spike Rush	<i>Cyperaceae</i>	Nt A-Sedge	3	-5	OBL	2	-5	OBL	1.0-1.5 (1.3)	na										131,250	2,100,000	0.125	262,500	6.03	1.45%	1.25%													
ELEPAM	ELEPAM	ELPA3	ELPA3	<i>Eleocharis palustris major</i>	Great Spike Rush	<i>Cyperaceae</i>	Nt P-Sedge	10	-5	OBL	8	-5	OBL	0.3-3.3 (1.8)	na										87,500	1,400,000	0.125	175,000	4.02	1.45%	0.83%													
ELYCAN	ELECAN	ELCA4	ELCA4	<i>Elymus canadensis</i>	Canada Wild Ry	<i>Gramineae</i>	Nt P-Grass	4	1	FAC-	4	1	FAC-	2.0-4.0 (3.0)	na										7,500	120,000	1.000	120,000	2.75	11.62%	0.57%													
ELYVIR	ELYVIR	ELV13	ELV13	<i>Elymus virginicus</i>	Virginia Wild Ry	<i>Gramineae</i>	Nt P-Grass	4	-2	FACW-	4	-2	FACW-	2.0-3.0 (2.3)	na										5,750	92,000	1.000	92,000	2.11	11.62%	0.44%													
GLYSTR	GLYSTR	GLST	GLST	<i>Glyceria striata</i>	Fowl Manna Grass	<i>Gramineae</i>	Nt P-Grass	4	-3	[FACW]	4	-5	OBL	1.5-3.0 (2.3)	na										153,125	2,450,000	0.125	306,250	7.03	1.45%	1.46%													
JUNBAL	JUNBAL	JUARL	JUARL	<i>Juncus balticus littoralis (J arcticus l)</i>	Lake Shore Rush	<i>Juncaceae</i>	Nt P-Rush	6	-3	[FACW]	6	-5	OBL	1.0-2.5 (1.7)	green										593,750	9,500,000	0.015	142,500	3.27	0.17%	0.68%													
JUNTOR	JUNTOR	JUTO	JUTO	<i>Juncus torreyi</i>	Torreys Rush	<i>Juncaceae</i>	Nt P-Rush	4	-3	FACW	3	-3	FACW	0.5-1.5 (1.0)	green										2,375,000	38,000,000	0.015	570,000	13.09	0.17%	2.72%													
LEEORY	LEEORY	LEOR	LEOR	<i>Leersia oryzoides</i>	Rice Cut Grass	<i>Gramineae</i>	Nt P-Rush	4	-5	OBL	3	-5	OBL	2.0-3.0 (2.5)	na										25,625	410,000	1.000	410,000	9.41	11.62%	1.95%													
SCIVAC	SCITAB	SCTA2	SCTA2	<i>Schoenoplectus tabernaemontani (Scirpus validus)</i>	Great Bulrush	<i>Cyperaceae</i>	Nt P-Sedge	4	-5	OBL	4	-5	OBL	3.0-6.0 (4.0)	brown										35,000	560,000	0.063	35,280	0.81	0.73%	0.17%													
SCIATR	SCIATR	SCAT2	SCAT2	<i>Scirpus atrovirens</i>	Dark Green Rush	<i>Cyperaceae</i>	Nt P-Sedge	4	-5	OBL	4	-5	OBL	2.0-5.0 (3.5)	brown										581,250	9,300,000	0.050	4,650,000	106.75	5.81%	22.16%													
SCIPEN	SCIPEN	SCPE4	SCPE4	<i>Scirpus pendulus (S lineatus)</i>	Red Bulrush	<i>Cyperaceae</i>	Nt P-Sedge	4	-5	OBL	3	-5	OBL	1.0-5.0 (4.0)	brown										331,250	5,300,000	0.063	333,900	7.67	0.73%	1.59%													
SPAEUR	SPAEUR	SPEU	SPEU	<i>Spartanium eurycarpum</i>	Bur Reed	<i>Sparganiaceae</i>	Nt P-Forb	6	-5	OBL	5	-5	OBL	2.0-5.0 (4.0)	white										794	12,700	0.500	6,350	0.15	5.81%	0.03%													
																									Graminoid totals																			
																													17,288,556				397				86.04%				82.39%			

ACRONYMS																	bloom time																
S&W	ILL	USDA	vPlants	scientific name	common name	family	type	S&W	K wet	S&W wet	Illinois	IL wet	IL wet	acro	height	color	M	A	M	J	J	A	S	O	N	seeds/oz	seeds/lb	lb/ac	seeds/ acre	seeds/ftsq	% by weight	% by count	
ALISUB	ALIPPA	ALSU	ALSU	<i>Alisma subcordatum plantago-aquatica parviflorum</i>	{A Common Water Plantain	<i>Alismataceae</i>	Nt P-Forb	4	-5	OBL	2	-5	OBL	1.0-3.0 (2.0)	white												81,250	1,300,000	0.375	487,500	11.19	4.36%	2.32%
ASCINC	ASCINC	ASIN	ASIN	<i>Asclepias incarnata</i>	Swamp Milkweed	<i>Asclepiadaceae</i>	Nt P-Forb	4	-5	OBL	4	-5	OBL	2.0-4.0 (3.0)	pink												5,625	90,000	0.125	11,250	0.26	1.45%	0.05%
BIDCER	BIDCER	BICE	BICE	<i>Bidens cernua</i>	Nodding Bur Marigold	<i>Compositae</i>	Nt P-Forb	4	-5	OBL	2	-5	OBL	1.0-4.0 (2.5)	yellow												20,625	330,000	0.125	41,250	0.95	1.45%	0.20%
BIDFOR	BIDFOR	BIFR	BIFR	<i>Bidens frondosa</i>	Common Beggars Tick	<i>Compositae</i>	Nt A-Forb	1	-3	FACW+	1	-3	FACW+	3.0-4.0 (3.5)	yellow												5,250	84,000	0.125	10,500	0.24	1.45%	0.05%
EUPPER	EUPPER	EUPE3	EUPE3	<i>Eupatorium perfoliatum</i>	Thoroughwort	<i>Compositae</i>	Nt P-Forb	4	-4	FACW+	4	-4	FACW+	1.5-3.0 (2.3)	white												196,875	3,150,000	0.125	393,750	9.04	1.45%	1.88%
MIMIRIN	MIMIRIN	MIRI	MIRI	<i>Mimulus ringens</i>	Monkey Flower	<i>Scrophulariaceae</i>	Nt P-Forb	6	-5	OBL	5	-5	OBL	1.0-2.0 (1.5)	blue												2,812,500	45,000,000	0.031	1,395,000	32.02	0.36%	6.65%
PENSED	PENSED	PESE6	PESE6	<i>Penthorum sedoides</i>	Ditch Stonecrop	<i>Crucciferaeae (Saxifragaceae)</i>	Nt P-Forb	5	-5	OBL	2	-5	OBL	1.0-2.0 (1.5)	green												3,687,500	59,000,000	0.015	885,000	20.32	0.17%	4.22%
SAGLAT	SAGLAT	SALA2	SALA2	<i>Sagittaria latifolia</i>	Common Arrowhead	<i>Alismataceae</i>	Nt P-Forb	4	-5	OBL	4	-5	OBL	2.0-4.0 (2.5)	white												75,000	1,200,000	0.125	150,000	3.44	1.45%	0.71%
ASTSIS	ASTSIM	SYLAL4	ASLA80	<i>Symphytichrum lanceolatum simplex</i> *A1*	Panicked Aster	<i>Compositae</i>	Nt P-Forb	3	-5	OBL	3	-5	OBL	4.0-5.0 (4.5)	white												193,750	3,100,000	0.031	96,100	2.21	0.36%	0.46%
VERHAS	VERHAS	VEHA2	VEHA2	<i>Verbena hastata</i>	Blue Vervain	<i>Verbenaceae</i>	Nt P-Forb	4	-4	FACW+	3	-4	FACW+	2.0-6.0 (3.0)	blue												112,500	1,800,000	0.125	225,000	5.17	1.45%	1.07%
								4.34	-4.19			3.72	-4.31													Forb totals 1,202 3,695,350 85 13.96% 17.61% Graminoid forb totals 8,609 20,983,906 482 100.00% 100.00%							

Nurse Crop

S&W	ACRONYMS ILL USDA	vPlants	scientific name	common name	family	type	S&W C	S&W wet index	S&W wet acro	Illinois C	IL wet index	IL wet acro	height	color	M	A	M	J	J	A	S	O	N	seeds/oz	seeds/lb	lb/ac	seeds/ acre	seeds/flsq
AGRALA v123112	AGRALA AGGI2	AGGI2	<i>Agrostis gigantea [A alba]</i>	Red Top Grass	<i>Graminae</i>	Ad P-Grass	0	-3	FACW	0	-3	FACW	2.5-3.5 (3.0)	na										312.500	5,000.000	1.000	5,000,000	114.78
All items subject to availability. Mix composition may vary seasonally																												

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Key

OBL = -5, FACW+ = -4, FACW = -3, FACW- = -2, FAC+ = -1, FAC = 0, FAC- = 1, FACU+ = 2, FACU = 3, FACU- = 4, UPL = 5.

Graminoids include *Graminae* (grasses), *Cyperaceae* (sedges), *Juncaceae* (rushes), *Sparganaceae* (burreeds), and *Acoraceae* (sweetflag). Forbs are herbs and select shrubs, which typically behave as herbaceous in a fire managed context, both having more or less showy flowers.

New and old scientific names are relative terms. Many 'new' names are actually names that were in use 80 to 100 years ago, but were replaced by the names with which we have become accustomed. New is used in the sense that the names have recently come into use or will be soon in Illinois.

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