Your info here

Emergent Shoreline / Wet Meadow with Flowers	
Native species per mix	**40**
Native seeds per square foot	**499**
Native FQI NE Illinois	**33.20**
Native FQI Illinois	**28.70**
Native Mean C Value NE Illinois	**5.25**
Native Mean C Value Illinois	**4.54**
Mean W Value NE Illlinois	**(4.30)**
Mean W Value Illinois	**(4.30)**

A grass, rush, sedge, & forb seed mix for shorelines & mudflats, with gradual slopes up from the shoreline, grading into wetlands, but not for steep sided basins. This mix requires water levels to drop seasonally. Do not plant below normal water level unless basin has a stoplog for prolonged dewatering. Most species will not germinate under water. Seedlings will not tolerate prolonged inundation until 18" tall. Best dormant seeded & netted.

Note! Shoreline or emergent seed mixes which are installed in pumped down basins that return to normal waterlevel, never to draw down again are a waste of seed and money. They stand a snowball's chance in hell of any success, let alone, long term success. Wetlands have to dry out!

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

ACRONYMS S&W	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	bloom time M	A	M	J	J	A	S	O	N	seeds/oz	seeds/lb	lb/ac	seeds/ acre	seeds/ftsq	% by weight	% by count
ACOCAL	ACOAME	ACAM	ACAM	*Acorus americanus {A calamus}*	Sweet Flag	*Acoraceae*	Nt P-Forb	7	-5	OBL	4	-5	OBL	1.0-3.0 (2.0)	green				❀	❀	❀				6,938	111,000	0.063	6,993	0.16	0.56%	0.03%
AGRALP	AGRALP	AGST2	AGST2	*Agrostis stolonifera{A alba palustris}*	Bent Grass	*Graminae*	Nt P-Grass	10	-5	[OBL]	8	-3	FACW	1.0-2.0 (1.5)	na				❀		❀				400,000	6,400,000	1.000	6,400,000	146.92	8.93%	29.44%
CXBEBB	CXBEBB	CABE2	CABE2	*Carex bebbii*	Bebbs Sedge	*Cyperaceae*	Nt P-Sedge	6	-5	OBL	8	-5	OBL	2.0-3.0 (2.5)	na			❀	❀						112,500	1,800,000	0.500	900,000	20.66	4.46%	4.14%
CXCOMO	CXCOMO	CACO8	CACO8	*Carex comosa*	Bristly Sedge	*Cyperaceae*	Nt P-Sedge	5	-5	OBL	6	-5	OBL	1.0-2.5 (1.5)	na			❀	❀						30,000	480,000	0.188	90,240	2.07	1.68%	0.42%
CXHYST	CXHYST	CAHY4	CAHY4	*Carex hystericina*	Porcupine Sedge	*Cyperaceae*	Nt P-Sedge	5	-5	OBL	6	-5	OBL	1.0-2.0 (1.5)	na			❀	❀						28,125	450,000	0.125	56,250	1.29	1.12%	0.26%
CXSCOP	CXSCOP	CASCS	CASCS	*Carex scoparia*	Pointed Broom Sedge	*Cyperaceae*	Nt P-Sedge	7	-3	FACW	5	-3	FACW	1.0-3.0 (2.0)	na			❀	❀						87,500	1,400,000	0.500	700,000	16.07	4.46%	3.22%
ECHCRU	ECHCRU	ECCR	ECCR	*Echinochloa crusgalli*	Barnyard Grass	*Graminae*	Nt A-Grass	0	-3	FACW	*	-3	FACW	1.5-3.5 (2.5)	na				❀		❀	❀	❀		7,375	118,000	2.000	236,000	5.42	17.85%	1.09%
ELEERY	ELEERY	ELER	ELER	*Eleocharis erythropoda {E calva}*	Redroot Spike Rush	*Cyperaceae*	Nt P-Sedge	2	-5	OBL	3	-5	OBL	1.0-2.0 (1.5)	na						❀	❀	❀	❀	68,750	1,100,000	0.031	34,100	0.78	0.28%	0.16%
ELEPAM	ELEPAL	ELPA3	ELPA3	*Eleocharis palustris major*	Great Spike Rush	*Cyperaceae*	Nt P-Sedge	10	-5	OBL	8	-5	OBL	0.3-3.3 (1.8)	na				❀		❀	❀	❀		87,500	1,400,000	0.031	43,400	1.00	0.28%	0.20%
ELYCAN	ELECAN	ELCA4	ELCA4	*Elymus canadensis*	Canada Wild Rye	*Graminae*	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	8.93%	0.55%
ELYVIR	ELYVIR	ELVI3	ELVIV	*Elymus virginicus*	Virginia Wild Rye	*Graminae*	Nt P-Grass	4	-2	FACW-	4	-2	FACW-	1.5-3.0 (2.3)	na				❀		❀				5,750	92,000	1.000	92,000	2.11	8.93%	0.42%
GLYGRA	GLYGRA	GLGR	GLGR	*Glyceria grandis*	Reed Manna Grass	*Graminae*	Nt P-Grass	10	-5	OBL	8	-5	OBL	6.0-9.0 (7.5)	na				❀		❀		❀		84,375	1,350,000	0.031	41,850	0.96	0.28%	0.19%
GLYSTR	GLYSTR	GLST	GLST	*Glyceria striata*	Fowl Manna Grass	*Graminae*	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	1.12%	1.41%
JUNEFF	JUNEFS	JUEF	JUEF	*Juncus effusus*	Common Rush	*Juncaceae*	Nt P-Rush	7	-5	OBL	4	-5	OBL	1.0-2.0 (1.5)	green			❀	❀		❀	❀	❀		2,812,500	45,000,000	0.046	2,070,000	47.52	0.41%	9.52%
JUNBAL	JUNBAL	JUARL	JUBAL	*Juncus balticus littoralis [J arcticus l]*	Lake Shore Rush	*Juncaceae*	Nt P-Rush	6	-3	[FACW]	6	-5	OBL	1.0-2.5 (1.7)	green				❀		❀	❀	❀		593,750	9,500,000	0.046	437,000	10.03	0.41%	2.01%
JUNTOR	JUNTOR	JUTO	JUTO	*Juncus torreyi*	Torreys Rush	*Juncaceae*	Nt P-Rush	4	-3	FACW	3	-3	FACW	0.5-1.5 (1.0)	green						❀	❀	❀		2,375,000	38,000,000	0.046	1,748,000	40.13	0.41%	8.04%
LEEORY	LEEORY	LEOR	LEOR	*Leersia oryzoides*	Rice Cut Grass	*Graminae*	Nt P-Grass	4	-5	OBL	3	-5	OBL	2.0-3.0 (2.5)	na						❀	❀	❀		25,625	410,000	0.500	205,000	4.71	4.46%	0.94%
SCIACU	SCIACU	SCACA	SCACA	*Schoenoplectus acutus {Scirpus a}*	Hard Stem Bulrush	*Cyperaceae*	Nt P-Sedge	6	-5	OBL	6	-5	OBL	5.0-6.0 (5.5)	na			❀	❀	❀	❀	❀			26,250	420,000	0.063	26,460	0.61	0.56%	0.12%
SCIPUN	SCIAME	SCPU10	SCPU10	*Schoenoplectus pungens {Scirpus p}*	Chairmakers Rush	*Cyperaceae*	Nt P-Sedge	5	-5	OBL	3	-5	OBL	3.0-4.0 (3.5)	brown			❀	❀	❀	❀				14,063	225,000	0.125	28,125	0.65	1.12%	0.13%
SCIVAC	SCITAB	SCTA2	SCTA2	*Schoenoplectus tabernaemontani {Scirpus validus}*	Great Bulrush	*Cyperaceae*	Nt P-Sedge	5	-5	OBL	4	-5	OBL	3.0-6.0 (4.0)	brown				❀		❀				35,000	560,000	0.250	140,000	3.21	2.23%	0.64%
SCIATR	SCIATR	SCAT2	SCAT2	*Scirpus atrovirens*	Dark Green Rush	*Cyperaceae*	Nt P-Sedge	4	-5	OBL	4	-5	OBL	2.0-5.0 (3.5)	brown			❀	❀	❀	❀				581,250	9,300,000	0.500	4,650,000	106.75	4.46%	21.39%
SCICYP	SCICYP	SCCY	SCCY	*Scirpus cyperinus*	Wool Grass	*Cyperaceae*	Nt P-Sedge	6	-5	OBL	5	-5	OBL	2.0-5.0 (3.5)	brown				❀		❀	❀	❀		137,500	2,200,000	0.063	138,600	3.18	0.56%	0.64%
SPAEUR	SPAEUR	SPEU	SPEU	*Sparganium eurycarpum*	Bur Reed	*Sparganiaceae*	Nt P-Grasslike	6	-5	OBL	5	-5	OBL	2.0-5.0 (4.0)	white				❀		❀	❀			794	12,700	0.250	3,175	0.07	2.23%	0.01%
SPAPEC	SPAPEC	SPPE	SPPE	*Spartina pectinata*	Prairie Cord Grass	*Graminae*	Nt P-Grass	4	-4	FACW+	4	-4	FACW+	3.0-6.0 (4.5)	na						❀	❀	♣	♣	10,875	174,000	0.375	65,250	1.50	3.35%	0.30%
																									Graminoid totals		8.858	18,538,693	426	79.07%	85.27%

Forbs

ACRONYMS S&W	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	bloom time 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	*Alisma subcordatum {A plantago-aquatica parviflorum}*	Common Water Plantain	*Alismataceae*	Nt P-Forb	4	-5	OBL	2	-5	OBL	1.0-3.0 (2.0)	white					❀	❀	❀			81,250	1,300,000	0.063	81,900	1.88	0.56%	0.38%
ASCINC	ASCINC	ASIN	ASIN	*Asclepias incarnata*	Swamp Milkweed	*Asclepiadaceae*	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	1.12%	0.05%
BIDCER	BIDCER	BICE	BICE	*Bidens cernua*	Nodding Bur Marigold	*Compositae*	Nt A-Forb	5	-5	OBL	2	-5	OBL	1.0-4.0 (2.5)	yellow				❀	❀	❀	❀			20,625	330,000	0.250	82,500	1.89	2.23%	0.38%
BOLLAR	BOLLAS	BOAS	BOASR	*Boltonia asteroides*	False Aster	*Compositae*	Nt P-Forb	9	-5	[OBL]	5	-3	FACW	2.0-4.0 (3.0)	white					❀	❀	❀	❀		278,125	4,450,000	0.094	418,300	9.60	0.84%	1.92%
CEPOCC	CEPOCC	CEOC2	CEOC2	*Cephalanthus occidentalis*	Button Bush	*Rubiaceae*	Nt Shrub	5	-5	OBL	4	-5	OBL	8.0-15.0	white				❀	❀	❀				8,125	130,000	0.125	16,250	0.37	1.12%	0.07%
EUPPER	EUPPER	EUPE3	EUPE3	*Eupatorium perfoliatum*	Thoroughwort	*Compositae*	Nt P-Forb	4	-4	FACW+	4	-4	FACW+	1.5-3.0 (2.3)	white					❀	❀	❀			196,875	3,150,000	0.031	97,650	2.24	0.28%	0.45%
EUPMAC	EUPMAC	EUMA6	EUMA6	*Eutrochium maculatum [Eupatorium m] *Eupatoriadelphus m**	Spotted Joepyeweed	*Compositae*	Nt P-Forb	4	-5	OBL	5	-5	OBL	4.0-6.0 (5.0)	pink					❀	❀				96,875	1,550,000	0.031	48,050	1.10	0.28%	0.22%
HELAUT	HELAUT	HEAU	HEAU	*Helenium autumnale*	Sneezeweed	*Compositae*	Nt P-Forb	5	-4	FACW+	3	-4	FACW+	2.0-4.0 (3.0	yellow					❀	❀	❀	❀		131,250	2,100,000	0.125	262,500	6.03	1.12%	1.21%
HIBLAE	HIBLAE	HILA2	HILA2	*Hibiscus laevis {H militaris}*	Halberdleaf Rose Mallow	*Malvaceae*	Nt P-Forb	6	-5	OBL	4	-5	OBL	3.0-6.0 (4.5)	pink					❀	❀	❀			24,375	390,000	0.063	24,570	0.56	0.56%	0.11%
IRIVIS	IRISHR	IRVIS	IRVIS	*Iris virginica shrevei {I shrevei}*	Blue Flag Iris	*Iridaceae*	Nt P-Forb	5	-5	OBL	5	-5	OBL	2.0-4.0 (3.0)	blue			❀	❀	❀					1,063	17,000	0.250	4,250	0.10	2.23%	0.02%
SAGLAT	SAGLAT	SALA2	SALA2	*Sagittaria latifolia*	Common Arrowhead	*Alismataceae*	Nt P-Forb	4	-5	OBL	4	-5	OBL	2.0-4.0 (2.5)	white				❀	❀	❀				75,000	1,200,000	0.250	300,000	6.89	2.23%	1.38%
SILPER	SILPER	SILPEP	SIPEP	*Silphium perfoliatum*	Cup Plant	*Compositae*	Nt P-Forb	5	-2	FACW-	4	-2	FACW-	4.0-10 (6.0)	yellow					❀	❀	❀			1,813	29,000	0.125	3,625	0.08	1.12%	0.02%
SOLGIG	SOLGIG	SOGI	SOGI	*Solidago gigantea*	Late Goldenrod	*Compositae*	Nt P-Forb	4	-3	FACW	3	-3	FACW	4.0-7.0 (5.5)	yellow						❀	❀			362,500	5,800,000	0.063	365,400	8.39	0.56%	1.68%
ASTSIS	ASTSIM	SYLAL4	ASLA80	*Symphyotrichum lanceolatum {Aster simplex} *A l**	Panicled Aster	*Compositae*	Nt P-Forb	3	-5	OBL	3	-5	OBL	4.0-5.0 (4.5)	white							❀	❀		193,750	3,100,000	0.125	387,500	8.90	1.12%	1.78%
ASTPUP	ASTPUN	SYPUP	ASPU5	*Symphyotrichum puniceum {Aster p}*	Swamp Aster	*Compositae*	Nt P-Forb	8	-5	OBL	7	-5	OBL	4.5-5.5 (5.0)	blue						❀	❀	❀		100,000	1,600,000	0.125	200,000	4.59	1.12%	0.92%
VERHAS	VERHAS	VEHA2	VEHA2	*Verbena hastata*	Blue Vervain	*Verbenaceae*	Nt P-Forb	4	-4	FACW+	3	-4	FACW+	2.0-6.0 (3.0)	blue					❀	❀	❀			112,500	1,800,000	0.500	900,000	20.66	4.46%	4.14%
v012313																									Forb totals		2.345	3,203,745	74	20.93%	14.73%
All items subject to availability. Mix composition may vary seasonally								5.25	-4.30		4.54	-4.30													Graminoid & forb totals		11.203	21,742,438	499	100.00%	100.00%

Key

❀ main bloom
❀ extended bloom
♣ fall leaf color
🌶 fruit color
[Abc] new scientific name
{Abc} old scientific name
Abc transitional name
Yellow is uncertain data

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.