Your info here

Lo Pro Emergent Shoreline /Wet Meadow with Flowers

Native species per mix	**35**
Native seeds per square foot	**676**
Native FQI NE Illinois	**30.07**
Native FQI Illinois	**25.86**
Native Mean C Value NE Illinois	**5.08**
Native Mean C Value Illinois	**4.37**
Mean W Value NE Illlinois	**(4.22)**
Mean W Value Illinois	**(4.22)**

A shorter mix of grasses, sedges, rushes, & forbs for shorelines & mudflats, with gradual slopes up from the shoreline, grading into wetlands. This mix works only when water levels drop occasionally. Do not plant below normal water level unless basin has a stoplog for dewatering. The seeds will not germinate under water.

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	0.60%	0.02%
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	9.54%	21.73%
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	1.000	1,800,000	41.32	9.54%	6.11%
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	0.250	120,000	2.75	2.38%	0.41%
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	0.250	112,500	2.58	2.38%	0.38%
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	1.000	1,400,000	32.14	9.54%	4.75%
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	0.500	59,000	1.35	4.77%	0.20%
ELEOBT	ELEOBT	ELOB2	ELOB2	*Eleocharis obtusa*	Blunt Spike Rush	*Cyperaceae*	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	1.19%	0.89%
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	0.063	88,200	2.02	0.60%	0.30%
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	9.54%	0.41%
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	9.54%	0.31%
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	0.30%	0.14%
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	0.250	612,500	14.06	2.38%	2.08%
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	0.125	5,625,000	129.13	1.19%	19.10%
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	0.125	1,187,500	27.26	1.19%	4.03%
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	0.125	4,750,000	109.04	1.19%	16.13%
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	1.000	410,000	9.41	9.54%	1.39%
MUHMEX	MUHMEX	MUME2	MUME2	*Muhlenbergia mexicana*	Leafy Satin Grass	*Graminae*	Nt P-Grass	5	-3	FACW	4	-3	FACW	1.0-3.0 (2.0)	na		300,000	4,800,000	0.031	148,800	3.42	0.30%	0.51%
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	0.60%	0.09%
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	1.19%	0.10%
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	3.58%	0.22%
																	Graminoid totals		8.501	23,356,678	536	81.08%	79.31%

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	0.250	325,000	7.46	2.38%	1.10%
AMMROB	AMMCOC	AMRO3	AMRO3	*Ammannia robusta {A coccinea}*	Scarlet Loosestrife	*Lythraceae*	Nt A-Forb	4	-5	OBL	5	-5	OBL	0.5-1.0 (0.8)	scarlet		1,718,750	27,500,000	0.031	852,500	19.57	0.30%	2.89%
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	1.19%	0.04%
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	0.063	20,790	0.48	0.60%	0.07%
BIDFRO	BIDFRO	BIFR	BIFR	*Bidens frondosa*	Common Beggarstick	*Compositae*	Nt A-Forb	1	-3	FACW	1	-3	FACW	3.0-4.0 (3.5)	yellow		5,250	84,000	0.063	5,292	0.12	0.60%	0.02%
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	0.125	556,250	12.77	1.19%	1.89%
EPICOL	EPICOL	EPCO	EPCO	*Epilobium coloratum*	Cinnamon Willow Herb	*Onagraceae*	Nt P-Forb	3	-5	OBL	3	-5	OBL	1.5-2.5 (2.0)	pink		425,000	6,800,000	0.015	102,000	2.34	0.14%	0.35%
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	0.30%	0.33%
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	2.38%	0.01%
PENSED	PENSED	PESE6	PESE6	*Penthorum sedoides*	Ditch Stonecrop	*Crassulaceae (Saxifragaceae)*	Nt P-Forb	5	-5	OBL	2	-5	OBL	1.0-2.0 (1.5)	green		3,687,500	59,000,000	0.031	1,829,000	41.99	0.30%	6.21%
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	2.38%	1.02%
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	0.125	725,000	16.64	1.19%	2.46%
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	1.19%	1.32%
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	1.19%	0.68%
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	0.375	675,000	15.50	3.58%	2.29%
v012313																	Forb totals		1.984	6,091,482	140	18.92%	20.69%
All items subject to availability. Mix composition may vary seasonally								5.08	-4.22		4.37	-4.22					Graminoid & forb totals		10.485	29,448,160	676	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.