

Planting 51 – Sand Farm – Summer 2001

These approximately 30 plus acres were in corn in 2000 (and maybe disked). We had it professionally sprayed with a double concentration of Round-up concentration in May 2001. Weeds present were pretty far along, they had been various goldenrods, grasses, mustards, common milkweed, etc. and small cottonwood tree saplings.

Two islands of fallow land had various species of tree saplings growing on them and we mowed these down and the islands were sprayed along with the rest of the field. Some of the stumps were treated with Garlon herbicide.

We planted with the seed purchased from Genesis with the ComEd grant money using the new method of using the lime spreader. Also in the mix we put Genesis seed from a year ago that was slated for Hotchkiss (so that when we planted Hotchkiss, see planting 45, we would have some newer seed). The little bluestem from Nachusa Grasslands was also in the mix.

We spread the seed over the field twice crossed the field in both directions. Also, for the drier areas, the NW section was criss-crossed at a closer spacing with less lime and the remainder was criss-crossed at a wider spacing with more lime.

We split the acreage into drier and more mesic. We also hand spread some wet mix along the creek and other wet spots especially along the flank of trees the divide the area nearly in two east/west portions.

The wet seed was *Spartina pectinata* (cord grass) and *Leersia oryzoides* (rice cut grass) from Genesis as well as a little *Angelica atropurpurea*, *Chelone glabra* (turtlehead) and a tiny bit of *Napaea dioica* (glade mallow).

We have also endeavored to reduce shading on the planting by removing some severely overhanging trees from the edges.

We have endeavored to get a head start on reducing weed encroachment by broadleaf spaying the vegetation under the trees and along the roadside. The weeds were parsnip, garlic mustard-both already with seed, and burdock and briars. There were some natives along the north boundary on the western side, such as *Rosa carolina*. The worst weeds were in the east tree line, there are many young Siberian Elm.

There are also lots of weeds in the wetter areas along the flank of trees in the center such as Reed Canary Grass.

We also overseeded in Fall 2001 with forced air spreader and Nachusa harvested seed.

Here is the seed list of that planted in spring 2001.

Genesis Seed Order for the ComEd Grant 2000/2001

Planted spring 2001 in Hook Larson, Sand Farm, Hotchkiss and East Meiners Upland.

Anemone cylindrica
Antennaria neglecta
Asclepias tuberosa
Aster azureus
Aster ericoides
Aster laevis
Aster nova-angliae
Aster ptarmicoides
Astragalus canadensis
Baptisia leucantha
Carex bicknellii

Carex annectens xanthocarpa
Coreopsis tripteris
Desmanthus illinoensis
Elymus canadensis
Eryngium yuccafolium
Euphorbia corollata
Heliopsis helianthoides
Juncus dudleyi
Koeleria cristata
Kuhnia eupatoroides
Liatris pycnostachya
Lonicera prolifera
Monarda fistulosa
Napea dioica
Onosmodium hispidissimum
Panicum leibergii
Parthenium intergrifolium
Penstemon digitalis
Penstemon pallidus
Petalostemum purpureum
Potentilla arguta
Rosa palustris
Rosa setigera
Rudbeckia subtomentosa
Solidago nemoralis
Solidago speciosa
Sphenophalis intermedia
Sporobolus heterolepis
Tradescantia ohiensis
Verbena stricta

We should have also received *Allium cernuum*, *Amorpha canescens*, and *Veronia missurica*, but has not as of June 18, 2001

- Susan Kleiman

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Plant list on southern planting (first planting, by Stone Barn Rd.)

Planted late spring 2001 and fall 2001 using agricultural seed spreading equipment.

Walk through done by Susan Kleiman on Sept. 16, 2002 (not listed an any kind of abundance order)

Species Name Per	Rare 1-10 acre	1	Common 0-100/AC	Abundant 100-300/AC	Very Abundant (all over)	Comments
Monarda fistulosa	x					
Erigeron strigosus	x					
Aster pilosus	x					
Petalostemum purpureum	x					
Sorghastrum nutans	x					
Botelua curtipendula	x					
Elymus canadensis	x					
Siberian Elm				x		on edges
Rudbekia hirta				x		
Heliopsis helianthoides	x					
Anemone cylindracia	x					
SAND BUR GRASS (Cenchrus longispinus)	x			x		some areas are free of this
Andropogon scoparium	x					
Andropogon gerardii	x					
Potentilla arguta	x					
Lespedeza capitata	x					
Solidago speciosa	x					
?Petalostemum alba	x					
Mulberry	x					
Parthenum integrifolium	x					
Desmodium illionense	x					
Solidago rigida	x					
Echinacea pallida	x					
Helianthus occidentalis	x					
Baptisia leucantha	x					
Kuhnia eupatoroides	x					
Solanum carolinense	x	p				rickly
Physalis subglabrata	x	g				round cherry
Helianthus annuus	x					
Cirsium vulgare	x					
Senecio sp. (round leaf)	x					
Senecio pauperculus	x					
Rosa Multiflora	x					
Asclepius syriaca	x					
Osage orange	x					
Venus looking glass	x					
Equisetum sp			x			moist ground
Juncus sp.	x					
Barnyard grass	x					
Eupatorium perfoliatum	x					
Cinnamon Willow Herb			x			
Sneezeweed	x					
Curly Dock	x					
Helianthus grosserserratus	x					

Species Name	Per	Rare 1-10 acre 1	Common 0-100/AC	Abundant 100-300/AC	Very Abundant (all over)	Comments
Coreopsis tripteris		x				
Cyperus strigosus		x				
Willow sp.	x			n		arrow leaved
Willow sp.	x		wid			er w/scallop
Helianthus sp.	x		yello			w center, 12 Petals
Aster nova-angliae	x					
Potentilla norvegica	x					
Field Bindweed	x		Co			nvolvulus arvensis
Trifolium clover sp.	x					
Bromus tectorum	x					
Sow thistle	x					
Cottonwood	x		in			wet center of field
Burdock	x					
Trogopagon	x					
Grass sp.	x		low,			leafy, small flower head
Parsnip	x					
Com. Wood sorrel	x					
Mullein	x					
Euphorbia corollata	x					
Chickweed	x					
Rubus allegheniesis	x	o				n rough hills where plowed less
Yarrow	x					
Dogbane	x					
Hypericum punctatum	x					
Verbena stricta	x					
Common Eve. Primrose	x					
Solidago sp.	x					
Plantago lanceolata	x					
Plantago major	x					in places abundant
Honey locust	x					
Cirsium bicolor	x					
Pigweed				x		
Large leaved Avens	x					
Wild black cherry	x					
Solidago sp.	x					
Solidago sp.	x					
Dandelion	x					
Wild lettuce sp.	x					
Buckwheat (Fagopyrum)	x					
Pepper cress sp.	x					
Bidens sp.						
Dacus carota	x					
Foxtail					X	
Crab grass	x					
Grass sp.	x					
Common ragweed		x				
Smartweed sp.	x					
Giant ragweed	x					
Erigeron canadensis (Mare's tail)			X			

Other notes: the area north of first stream and immediately adjacent to two track, where we tried using a seed drill seems to have no native grasses! Very heavy in Q. A Lace, ragweed, pigweed, alien grasses.