

Dropseed Hills North Planting No. 105 – November 1, 2012

Mary and Jim Vieregg

Site conditions:

Location: Section 10, T22N, R10E, 4th PM
Ogle County, Illinois

Roughly trapezoidal 4 acre parcel east of the 2008 planting and north of the Dropseed Hills remnant unit and the crew planting adjacent to it (see attached map). At the time of this planting, it is separated from the 2008 Dropseed North planting by a former fence line area. The fence and most trees have been removed, but the area is still being treated for invasive species. The area south of the planting is also former fence line being managed for invasive species. It is hoped that this cumulative 2 acre area of fence line (both west and south of the planting) will be planted with prairie species in 2013.

Soils: There are two soil types represented in the planting. They are very similar to each other both being formed in loamy or silty materials and in underlying calcareous sandy or gravelly outwash. They differ primarily because the Warsaw soil has a clay horizon; the Waukee loam does not.

- 1) Waukee loam (727B) – a well drained soil found on the shoulders of outwash plains constitutes the southern two-thirds of the planting
- 2) Warsaw loam (290B) – a well drained soil type also found on the shoulders and summits of outwash plains constitutes the northern one-third of the planting

Topographic features:

There is a waterway entering the planting area from the southeast that makes the southern end of the planting area generally wetter than the rest of the planting. There has been, though, some erosion along the southern former fence line that diverts some of the water into a low area in the unplanted fence line area. Generally, the entire planting acreage slopes very gently downward from the east to the west toward Clear Creek.

Agricultural history:

Aerial photos and farmer anecdote suggest that the area has been used for row crops for many decades.

Site preparation:

The last crop on the site was soybeans (2012). The beans were harvested early in October. After harrowing a small area which created large

tufts of plant debris, the decision was made to seed directly onto the harvested field without further preparation. The tufts of plant debris created by the harrowing were removed so that better soil contact could be achieved in the harrowed area. The soybean debris remaining after harvesting was not so thick in the rest of the field that good soil contact could not occur. Additionally, our thinking was that the remaining debris would act as a light mulch to prevent wind and water from carrying the planted seed very far.

Seed planting:

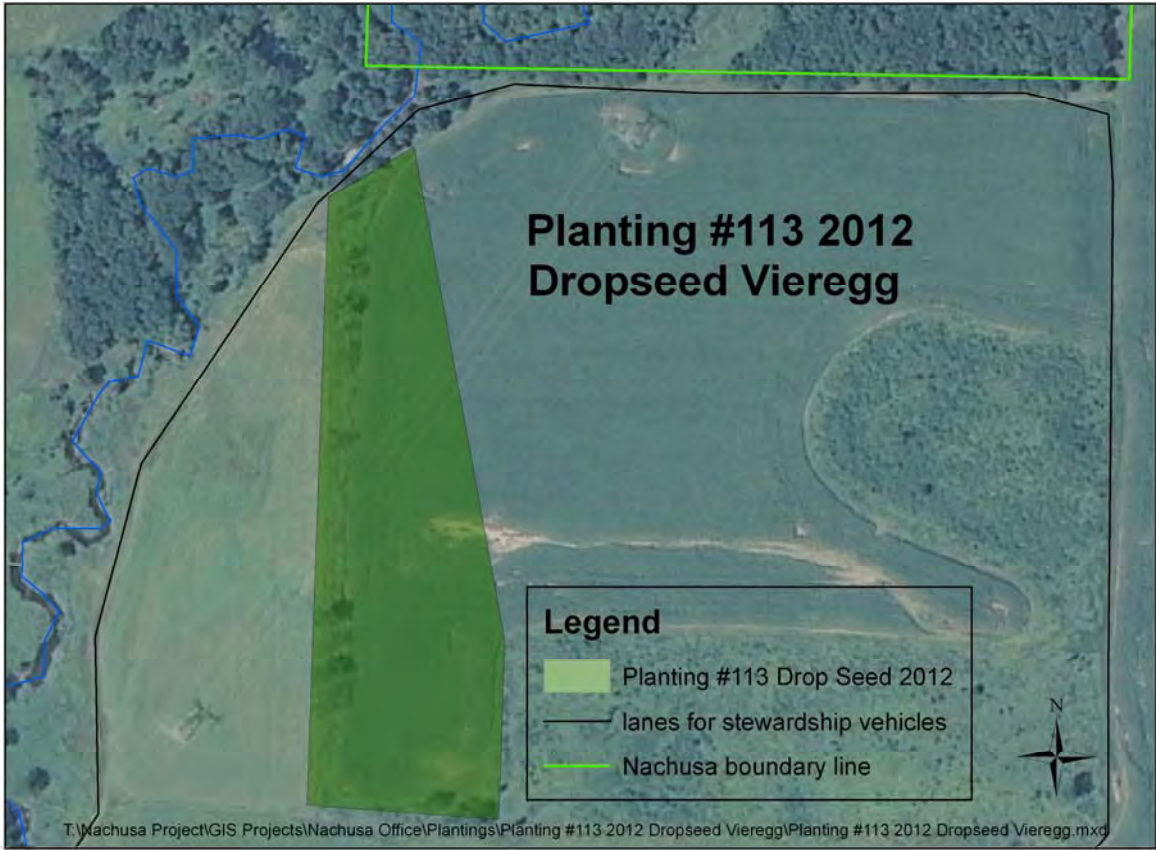
The seed was planted using a McCormack drop seeder pulled by a lightweight pickup truck. No foam marker was used. Overlapping passes were made in two general areas to maximize diversity of species. A wet/mesic mix was planted in the southern part of the planting; a dry/mesic mix was planted in the northern part of the planting. No carrier was used with the seed.

All of the planting work was done by Mary and Jim Vieregg., volunteer stewards.

Seed list:

200 pounds of bulk seed of 137 species were planted on the site. The species list is attached. Species were distributed in two overlapping mixes according to what we think we know about their habitat preferences: dry/mesic, and wet/mesic. Separate weights for each mix were not determined, but the quantities were generally proportional to the sizes of the areas seeded. The average per acre seed weight was 50 pounds.

Map: See below.



<u>Common name</u>	<u>Scientific name</u>	<u>Weight</u>
Wingstem	<i>Actinomeris alternifolia</i>	
Purple gerardia	<i>Agalinis purpurea</i>	
Tall agrimony	<i>Agrimonia gryposepala</i>	
Swamp agrimony	<i>Agrimonia parviflora</i>	
Nodding wild onion	<i>Allium cernuum</i>	
Leadplant	<i>Amorpha canescens</i>	
Indigo bush	<i>Amorpha fruticosa</i>	
Little bluestem	<i>Andropogon scoparius</i>	
Thimbleweed	<i>Anemone cylindrica</i>	
Field cat's foot	<i>Antennaria neglecta</i>	
Pussytoes	<i>Antennaria plantaginifolia</i>	
Arrow feather*	<i>Aristida purpurascens</i>	
Beach wormwood	<i>Artemisia caudata</i>	
Whorled milkweed	<i>Asclepias verticillata</i>	
Sky-blue aster	<i>Aster azureus</i>	
Heather aster	<i>Aster ericoides</i>	
Smooth blue aster	<i>Aster laevis</i>	
Flax-leaved aster*	<i>Aster linariifolius</i>	
New England aster	<i>Aster novae-angliae</i>	
Aromatic aster*	<i>Aster oblongifolius</i>	
Hairy aster	<i>Aster pilosus</i>	
White aster	<i>Aster ptarmicoides</i>	
Swamp aster	<i>Aster puniceus</i>	
Silky aster	<i>Aster sericeus</i>	
Flat-topped aster	<i>Aster umbellatus</i>	
Canadian milk vetch	<i>Astragalus canadensis</i>	
White wild indigo	<i>Baptisia leucantha</i>	
Cream wild indigo	<i>Baptisia leucophaea</i>	
Sideoats grama	<i>Bouteloua curipendula</i>	
Hairy grama*	<i>Bouteloua hirsuta</i>	
Pale Indian plantain	<i>Cacalia atriplicifolia</i>	
Large yellow fox sedge	<i>Carex annectans</i>	
Copper-shouldered oval sedge	<i>Carex bicknellii</i>	
Bristly sedge	<i>Carex comosa</i>	
Long-awned bracted sedge	<i>Carex gravida</i>	
Porcupine sedge	<i>Carex hystericina</i>	
Sand bracted sedge	<i>Carex mulenbergii</i>	
Common oak sedge	<i>Carex pennsylvanica</i>	
Awl-fruited oval sedge	<i>Carex tribuloides</i>	
White-haired panic grass	<i>Carex villosissimum</i>	
Brown fox sedge	<i>Carex vulpinoides</i>	
Wild senna	<i>Cassia hebecarpa</i>	
Downy yellow painted cup	<i>Castilleja sessiflora</i>	
New Jersey tea	<i>Ceanothus americanus</i>	
Golden prairie aster	<i>Chrysopsis camporum</i>	
False toadflax	<i>Comandra umbellata</i>	
Sand coreopsis	<i>Coreopsis lanceolata</i>	
Prairie coreopsis	<i>Coreopsis palmata</i>	
Tall coreopsis	<i>Coreopsis tripteris</i>	
Slender sand sedge	<i>Cyperus filiculmis</i>	
Poverty oat grass	<i>Danthonia spicata</i>	

<u>Common name</u>	<u>Scientific name</u>	<u>Weight</u>
Illinois bundleflower	Desmanthes illinoense	
Showy tick trefoil	Desmodium canadense	
Illinois tick trefoil	Desmodium illinoense	
Shooting star*	Dodecatheon meadia	
Pale purple coneflower	Echinacea pallida	
Prairie wild rye	Elymus canadensis	
Virginia wild rye	Elymus virginicus	
Cinnamon willow herb	Epilobium coloratum	
Scouring rush	Equisetum equemale	
Rattlesnake master	Eryngium yuccifolium	
Tall boneset	Eupatorium altissimum	
Spotted Joe pye weed	Eupatorium maculatum	
Boneset	Eupatorium perfoliatum	
Upland boneset	Eupatorium sessilifolium	
Flowering spurge	Euphorbia corollata	
Biennial gaura	Gaura biennis	
Bottle gentian	Gentiana andrewsii	
Fringed gentian	Gentiana crinita	
Prairie smoke	Geum triflorum	
Sweet everlasting	Gnaphalium obtusifolium	
Sneezeweed	Helenium autumnale	
Pale sunflower*	Helianthus decapetalus	
Western sunflower	Helianthus occidentalis	
Prairie sunflower	Helianthus rigidus	
False sunflower	Heliopsis helianthoides	
Alumroot	Heuchera richardsonii	
Hairy hawkweed	Hieracium gronovii	
Bottlebrush grass	Hystrix patula	
Common rush	Juncus effusus solutus	
Greene's rush	Juncus greenei	
Inland rush	Juncus interior	
Torrey's rush	Juncus torreyi	
Prairie June grass	Koeleria cristata	
False dandelion	Krigia biflora	
False boneset	Kuhnia eupatoroides	
Blue lettuce	Lactuca floridana	
Slender leaved pinweed	Lechea tenuifolia	
Round-headed bush clover	Lespedeza capitata	
Rough blazing star	Liatris aspera	
Tall gayfeather	Liatris pycnostachya	
Grooved yellow flax	Linum sulcatum	
Wild lupine	Lupinus perennis	
Wild bergamot	Monarda fistulosa	
Horse mint	Monarda punctata	
Prairie panic grass	Panicum leibergii	
Scribner's panic grass	Panicum oligosanthes scribneria	
Long-stalked panic grass	Panicum perlongum	
White-haired panic grass	Panicum villosissimum	
Prairie switch grass	Panicum virgatum	
Wild quinine	Parthenium integrifolium	
Wood betony	Pedicularis canadensis	

<u>Common name</u>	<u>Scientific name</u>	<u>Weight</u>
Foxglove beardtongue	Penstemon digitalis	
Hairy beard tongue	Penstemon hirsutus	
Pale beard tongue	Penstemon pallidus	
White prairie clover	Petalostemum candida	
Purple prairie clover	Petalostemum purpureum	
Purple milkwort	Polygala polygama	
Prairie cinquefoil	Potentilla arguta	
Wild plum*	Prunus americana	
Slender mountain mint	Pycnanthemum tenuifolium	
Mountain mint	Pycnanthemum virginicum	
Red oak*	Quercus rubra	
Yellow coneflower	Ratibida pinnata	
Pasture rose	Rosa carolina	
Black-eyed Susan	Rudbeckia hirta	
Sweet black-eyed Susan	Rudbeckia subtomentosa	
Wild petunia	Ruellia humilis	
Wool grass	Scirpus cyperinus	
Early figwort	Scrophularia lanceolata	
Prairie ragwort	Senecio plattensis	
Sleepy catchfly	Silene antirrhina	
Starry campion	Silene stellata	
Rosinweed	Silphium integrifolium	
Compass plant	Silphium laciniatum	
Cup plant	Silphium perfoliatum	
Prairie dock	Silphium terebinthaceum	
Common blue-eyed grass	Sisyrinchium albidum	
Grass-leaved goldenrod	Solidago graminifolia	
Viscid bushy goldenrod	Solidago gymnospermoides	
Early goldenrod	Solidago juncea	
Old field goldenrod	Solidago nemoralis	
Showy goldenrod	Solidago speciosa	
Prairie dropseed	Sporobolus heterolepis	
Porcupine grass*	Stipa spartea	
Sand fameflower*	Talinum rugospermum	
Goat's rue	Tephrosia virginiana	
Ohio spiderwort	Tradescantia ohioensis	
Blue vervain	Verbena hastata	
Hoary vervain	Verbena stricta	
Hairy white vervain	Verbena urticifolia	
Culver's root	Veronicastrum virginicum	
Birdsfoot violet	Viola pedata	
Kittentails	Wulfenia bullii	
Heart-leaved meadow parsnip	Zizia aptera	
Golden alexander	Zizia aurea	

*not in Dropseed N. planting

223 lbs.**

**does not include wild plum
and red oak weights

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