

Steve -

I'm sure I've made many embarrassing errors in the -- but here is one of the inventories - there will follow.

Sandy Rhodes

APPENDIX B

Hoover Nature Trail - Morse South Segment

Plant Inventories

by

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- From report #3
submitted by
A. Jones

Date of observation:

23 Aug., 1991 Rhodes & Jones

Inventory at locality P 1.1 on prairie P 1, Johnson Co., Iowa.

Inventory taken about 0.01 miles north 280th Street near the drainageway crossing C 1 in the southwest corner of the SE 1/4 of SE 1/4 of SE 1/4 of Sec. 16 of T80N, R5W (item 2 in survey notes, Appendix A).

Only a few prairie relict plants on both sides HNT ROW:

- Acer negundo*, box elder (small trees and saplings)
- Ambrosia trifida*, giant ragweed (native weed)
- Apocynum* spp., dogbanes
- Asclepias syriaca*, common milkweed
- Helianthus* spp., sunflowers [*Heliopsis* spp. not distinguished]:
- Morus* spp., mulberry [probably all *M. rubra*, red mulberry] (small trees and saplings)
- Pastinaca sativa*, wild parsnip (alien weed)
- Salix* spp., willows (small trees and saplings)
- Silene vulgaris*, bladder campion [also called *S. cucubalus*] (alien weed)
- Solidago* spp., other goldenrods
- Ulmus* spp., elms (small trees and saplings)
- Urtica dioica*, stinging nettle

Inventory along locality P 1.3 on prairie P 1, Johnson Co., Iowa.

Inventory between about 0.36 and 0.53 miles north 280th Street crossing from the northern quarter of the SW 1/4 of NE 1/4 of SE 1/4 to the SW 1/4 of SE 1/4 of NE 1/4 of Sec. 16 of T80N, R5W (items 5 through 7 in survey notes, Appendix A).

More tree and shrub thickets but relict prairie plants (and some small remnant sod patches) are present between the thickets on both sides ROW. Trees are both more frequent and more mature near the drainageway crossing C 3. The better prairie relicts are found toward the north end of the inventoried segment:

- Acer negundo*, box elder (small trees and saplings)
- Ambrosia trifida*, giant ragweed (native weed)
- Apocynum* spp., dogbanes (west ROW)
- Asclepias syriaca*, common milkweed
- ? *Cirsium*, thistles [large] [other genera not distinguished] (west ROW)
- Coreopsis tripteris*, tall coreopsis (west ROW)
- Cruciferae [or Brassicaceae] gen. & sp. undetermined, mustard family (east ROW)
- Erigeron* spp., fleabanes
- Euphorbia corollata*, flowering spurge
- Gaura biennis*, biennial gaura
- Hamamelis virginiana*, eastern witch hazel (shrub thickets) (east ROW)
- Melilotus alba*, white sweet clover (alien weed) (east ROW)
- Monarda fistulosa*, wild bergamot (west ROW)
- Morus* spp., mulberry [probably all *M. rubra*, red mulberry] (small trees and saplings) (east ROW)
- Oenothera* spp., evening primroses [probably *O. biennis*, common evening primrose] (west ROW)
- Pastinaca sativa*, wild parsnip (alien weed)
- Phalaris* spp., (native?) reed canary grass
- Prunus* spp., wild cherries and plums [not thorny] (small trees and saplings) [most seem to be *P. serotina*, wild black cherry]
- Prunus* spp., wild plums [thorny] (small trees)
- Ratibida pinnata*, yellow [or gray-head prairie] coneflower (west ROW)
- Rosa* spp., wild roses
- Rubus* spp., berry brambles [blackberry and/or raspberry]
- Salix* spp., willows [two different aggressive species] (small trees and saplings)
- Solidago* spp., other goldenrods
- Spartina pectinata*, prairie cordgrass
- Thalictrum* spp., meadow rues
- Urtica dioica*, stinging nettle (west ROW)
- Vitis* spp., wild grapes (east ROW)

To north of inventoried segment:

Populus deltoides, cottonwood (near C 4 at about 0.63 miles north)

Inventory along locality P 1.5 on prairie P 1, Johnson Co., Iowa.

Inventory between about 0.91 and 0.93 miles north 280th Street crossing just south center of the NE 1/4 of NW 1/4 of NE 1/4 of Sec. 16 of T80N, R5W (item 11 in survey notes, Appendix A).

Although weedy, the west ROW has a good representation of prairie relict taxa. The east ROW has many more trees (especially north of the inventoried segment toward Strawbridge Road), but, it also has the first compass plants seen along the HNT in Johnson County. These showy prairie flowers are concentrated along the east edge of the grade and care should be taken to avoid damage to them during grading for the final trail surface.

Ambrosia trifida, giant ragweed (native weed)

Andropogon gerardii, big bluestem (grass)

Aster spp., wild asters

Bromus spp., brome grasses (both native and aggressive alien pasture grasses)

? *Cirsium*, thistles (large) [other genera not distinguished]

Helianthus spp., sunflowers [*Heliopsis* spp. not distinguished]:

Monarda fistulosa, wild bergamot

Pastinaca sativa, wild parsnip (alien weed)

Silphium laciniatum, compass plant (6 out of 91 - graded off or buried most plants - "improvements" by parties unknown)

Silphium perfoliatum, cup plant

Solidago spp., other goldenrods

Spartina pectinata, prairie cordgrass

Veronicastrum virginicum, Culver's root

Trees not inventoried; other prairie plants also present.

