

PLANT COMMUNITY TRANSECT DATA

Brad & Leslea Hodgson, Big bluestem pasture transect data

Monitoring Site: MN10401030001

Control (Not Grazed)

<u>Plant Name</u>	2011		2013
	<u>July</u>	<u>Sept</u>	<u>July</u>
Duff/litter	9	9	1
NON-NATIVE GRASSES/LEGUMES			
Kentucky Bluegrass (<i>Poa pratensis</i>)	2	2	4
Smooth brome (<i>Bromus inermis</i>)	2	1	
NATIVE WARM SEASON GRASSES			
Big bluestem (<i>Andropogon gerardii</i>)	281	253	273
Indiangrass (<i>Sorghastrum nutans</i>)	12	52	10
FORBS			
Red clover (<i>Trifolium pratense</i>)	3	1	
Broadleaf plantain (<i>Plantago major</i>)	1		
Annual fleabane (<i>Erigeron annuus</i>)	1	1	
Canada goldenrod (<i>Solidago canadensis</i>)	28	36	47
Wild parsnip (<i>Pastinaca sativa</i>)	4	1	3
Dandelion (<i>Taraxacum officinale</i>)	10		
Common burdock (<i>Arctium minus</i>)		1	
White heath aster (<i>Aster pilosus</i>)		3	
Common milkweed (<i>Asclepias syriaca</i>)			2
Crownvetch (<i>Coronilla varia</i>)	44	36	60
Alfalfa (<i>Medicago sativa</i>)		1	
Ragweed (<i>Ambrosia artemisiifolia</i>)	1		
Platte thistle (<i>Cirsium canescens</i>)	1	1	
Canada thistle (<i>Cirsium arvense</i>)		1	
WOODY SPECIES			
Boxelder (<i>Acer negundo</i>)	1		

Monitoring Site: MN10401030002

Grazed

<u>Plant Name</u>	2011		2013
	<u>July</u>	<u>Sept</u>	<u>July</u>
Duff/litter	4	1	
Soil		2	
NON-NATIVE GRASSES/LEGUMES			
Kentucky Bluegrass (<i>Poa pratensis</i>)	5	2	
NATIVE WARM SEASON GRASSES			
Big bluestem (<i>Andropogon gerardii</i>)	319	344	328
Indiangrass (<i>Sorghastrum nutans</i>)	4	13	20
FORBS			
Red clover (<i>Trifolium pratense</i>)	3	3	
Broadleaf plantain (<i>Plantago major</i>)	1		
Annual fleabane (<i>Erigeron annuus</i>)	2		
Canada goldenrod (<i>Solidago canadensis</i>)	48	31	34
Wild parsnip (<i>Pastinaca sativa</i>)	8	1	5
Dandelion (<i>Taraxacum officinale</i>)	3		
Common burdock (<i>Arctium minus</i>)	1		1
White heath aster (<i>Aster pilosus</i>)		1	
Common milkweed (<i>Asclepias syriaca</i>)			1
Curly dock (<i>Rumex crispus</i>)	2	1	
Hedge mustard (<i>Sisymbrium</i>)			1

PLANT COMMUNITY TRANSECT DATA

Brad & Leslea Hodgson, big bluestem pasture clipping data

<u>CONTROL</u>	lb/ac	lb/ac	lb/ac
Monitoring Site MN 10401030001	6-Jul	19-Sep	19-Jul
<u>Plant Name</u>	<u>2011</u>	<u>2011</u>	<u>2013</u>
Indian grass (<i>Sorghastrum nutans</i>)		159.9	
Big bluestem (<i>Andropogon gerardii</i>)	4189.7	2167.3	3152.4
Kentucky bluegrass (<i>Poa pratensis</i>)	72.5	30.9	222.8
Quackgrass (<i>Agropyron repens</i>)	4.3		
Subtotal - Grass	4266.5	2358.1	3375.2
Canada goldenrod (<i>Solidago canadensis</i>)	29.9		19.2
Red clover (<i>Trifolium pratense</i>)	1.1		
White clover (<i>Trifolium repens</i>)	1.6		
Dandelion (<i>Taraxacum officinale</i>)	25.6	2.1	38.4
Broadleaf plantain (<i>Plantago major</i>)	7.5		
White heath aster (<i>Aster pilosus</i>)		7.5	
Mouseear chickweed (<i>Cerastium vulgatum</i>)	38.4		
Wild parsnip (<i>Pastinaca sativa</i>)	10.7		
Subtotal - Forbs	114.8	9.6	57.6

<u>GRAZED</u>	lb/ac	lb/ac	lb/ac
Monitoring Site MN 104 01030002	6-Jul	19-Sep	19-Jul
<u>Plant Name</u>	<u>2011</u>	<u>2011</u>	<u>2013</u>
Indiangrass (<i>Sorghastrum nutans</i>)	106.6		
Big bluestem (<i>Andropogon gerardii</i>)	2556.5	3512.7	5052.3
Kentucky bluegrass (<i>Poa pratensis</i>)	102.3	11.7	255.9
Subtotal - Grass	2765.4	3524.4	5308.2
Canada goldenrod (<i>Solidago canadensis</i>)	27.7		
Red clover (<i>Trifolium pratense</i>)	295.3	2.1	
White clover (<i>Trifolium repens</i>)		2.1	
Dandelion (<i>Taraxacum officinale</i>)	24.0	1.1	
Broadleaf plantain (<i>Plantago major</i>)		1.1	
Smallflower buttercup (<i>Ranunculus abortivus</i>)		4.3	
Smallflower galinsoga (<i>Galinsoga parviflora</i>)		4.3	4.3
Subtotal - Forbs	347	15.0	4.3