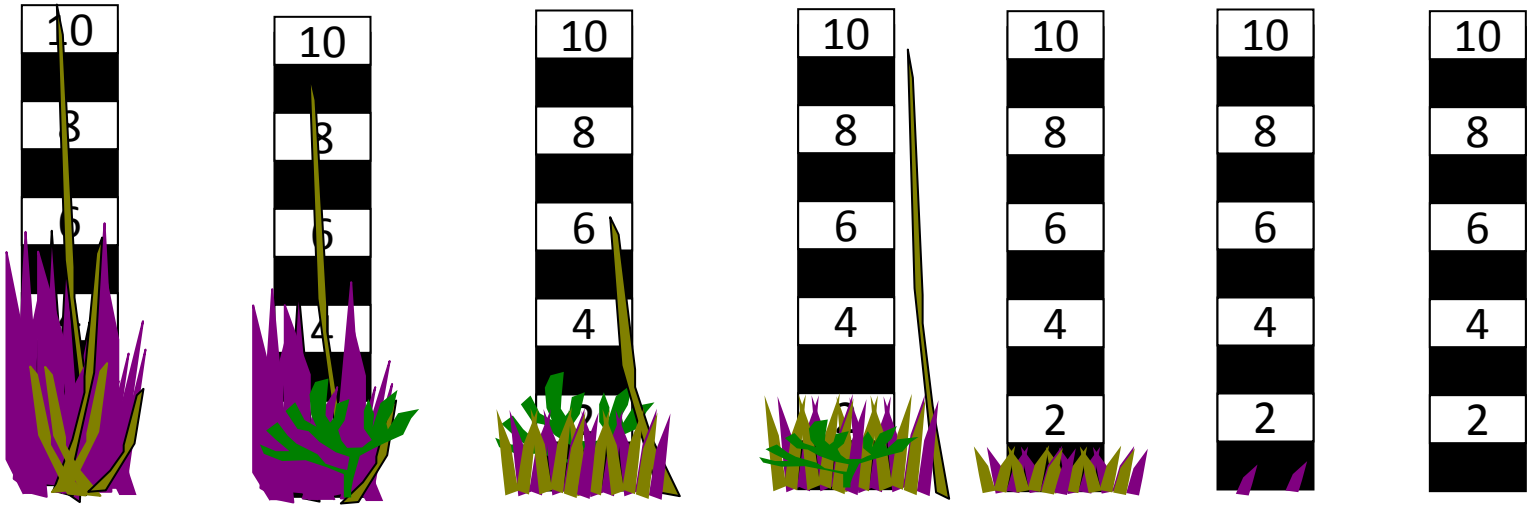
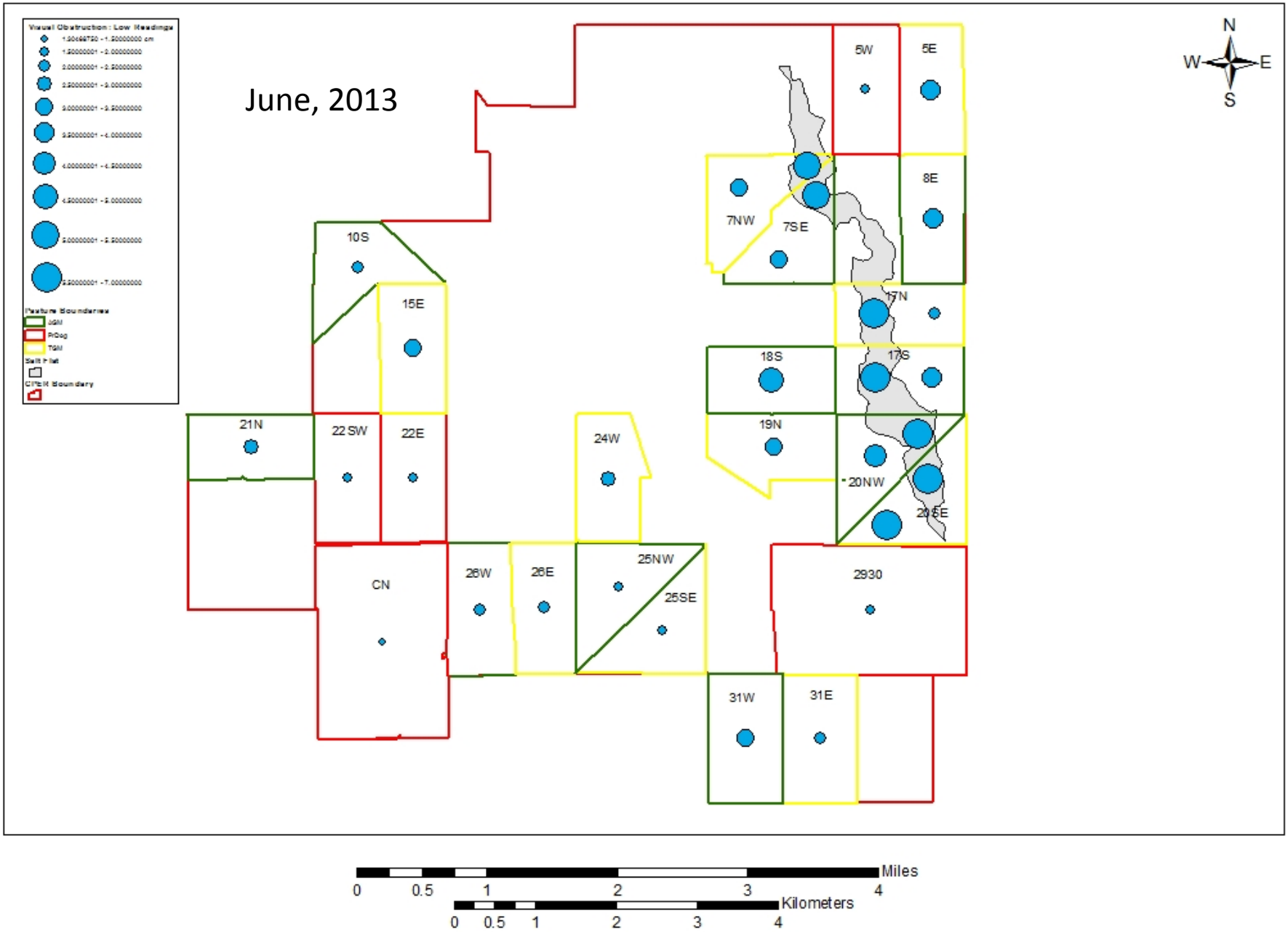
Vegetation Visual Obstruction Readings (VOR)
JUNE 2013

Robel Pole Method Examples:

High reading:	10	9	6	2	1	1	0
Low reading:	4	3	2	2	1	0	0
Species:	BOGR	BOGR	SPCO	BOGR	BOGR	BOGR	BARE



Visual Obstruction: Low Readings



Canopy cover of dominant grasses and sedges

(all values in percent cover, measured June 2013)

Block	Pasture	Blue Grama		Standing Dead		Needleleaf Sedge		Needle&Thread		Western Wheat		Buffalograss		Scarlet Globemallow	
		AGM	TGM	AGM	TGM	AGM	TGM	AGM	TGM	AGM	TGM	AGM	TGM	AGM	TGM
1	Nighthawk	35.1	43.5	19.9	18.3	3.9	4.4	0.1	0.0	1.3	1.0	0.9	2.1	0.4	0.3
2	Highway	43.1	30.3	17.9	15.9	1.5	7.0	2.0	0.0	0.8	1.0	8.0	17.3	2.0	1.1
3	Hilltank	35.4	43.1	21.8	21.6	12.1	7.3	0.4	0.3	0.8	0.4	2.1	2.1	0.5	1.1
4	Crossroads	42.8	47.1	37.0	37.4	10.9	5.6	0.0	0.1	2.8	0.5	12.6	10.5	0.6	1.0
5	South	38.8	35.3	33.3	21.8	3.3	5.0	0.4	0.5	2.8	1.3	14.9	2.5	0.0	1.9
6	Snowfence	22.0	29.8	54.4	40.8	2.1	2.5	15.5	11.6	4.8	1.5	0.6	0.4	0.5	0.1
7	Headquarters	44.3	63.3	37.8	40.4	6.3	1.8	2.8	2.0	0.1	0.9	0.0	0.0	0.3	0.1
8	Ridgeline	40.4	41.0	34.4	44.5	4.8	5.4	0.1	1.8	3.4	4.3	0.8	1.8	0.1	0.4
9	Salt Flat	29.3	38.1	73.9	51.5	4.8	7.8	10.6	5.5	1.1	2.6	1.3	0.9	0.6	0.3
10	Elm	13.5	22.3	71.0	68.6	5.9	4.8	18.8	40.3	1.4	0.8	0.3	1.4	0.8	0.4
	Mean	**34.5**	**39.4**	**40.1**	**36.1**	**5.5**	**5.1**	**5.1**	**6.2**	**1.9**	**1.4**	**4.1**	**3.9**	**0.6**	**0.7**

Basal cover of Bare Soil, Litter and Dead Crowns

(all values in percent cover, measured June 2013)

Block	Pasture	Bare Soil		Litter		Dead Crowns	
		AGM	TGM	AGM	TGM	AGM	TGM
1	Nighthawk	18.9	24.1	34.3	32.5	16.5	12.1
2	Highway	17.8	26.0	29.6	24.0	10.8	15.5
3	Hilltank	23.9	26.0	38.8	30.1	13.0	13.6
4	Crossroads	22.4	23.5	35.1	37.8	12.0	9.0
5	South	21.5	22.9	36.6	39.5	13.3	12.3
6	Snowfence	18.9	24.0	39.8	32.8	6.6	11.6
7	Headquarters	17.3	19.6	50.5	38.4	11.5	9.5
8	Ridgeline	12.9	16.3	32.6	36.3	11.8	10.9
9	Salt Flat	14.3	15.6	59.3	54.3	7.1	7.4
10	Elm	13.0	8.4	50.1	50.8	6.0	6.0
	Mean	**18.1**	**20.6**	**40.7**	**37.6**	**10.9**	**10.8**

Basal cover of dominant plants

(all values in percent cover, measured June 2013)

Block	Pasture	Blue Grama		Buffalograss		Needle&Thread		Prickly Pear Cactus		Needleleaf Sedge		Western Wheat	
		AGM	TGM	AGM	TGM	AGM	TGM	AGM	TGM	AGM	TGM	AGM	TGM
1	Nighthawk	23.8	21.5	0.3	1.0	0.0	0.0	2.4	1.4	1.0	0.8	0.3	0.0
2	Highway	26.5	15.8	6.0	9.3	0.5	0.0	1.5	1.1	0.4	2.0	0.1	0.4
3	Hilltank	15.6	23.5	1.1	1.0	0.0	0.0	0.0	0.3	1.0	1.5	0.0	0.0
4	Crossroads	19.1	23.0	6.1	4.1	0.0	0.0	0.3	0.1	0.9	0.4	0.6	0.1
5	South	16.0	16.8	6.1	1.1	0.0	0.4	1.6	2.1	0.1	0.3	0.3	0.3
6	Snowfence	14.3	17.6	0.6	0.6	6.5	4.6	3.5	3.0	1.1	1.1	2.8	0.9
7	Headquarters	17.1	29.0	0.0	0.0	0.4	0.4	0.8	0.8	0.3	0.5	0.0	0.0
8	Ridgeline	36.1	24.4	0.6	1.4	0.1	0.4	0.9	1.3	0.6	1.0	0.8	1.9
9	Salt Flat	11.4	13.9	0.9	0.6	2.9	1.9	0.8	1.6	0.6	0.6	0.4	0.5
10	Elm	11.5	15.3	0.5	1.0	10.4	14.3	0.3	0.5	0.3	0.8	0.1	0.0
	Mean	**19.1**	**20.1**	**2.2**	**2.0**	**2.1**	**2.2**	**1.2**	**1.2**	**0.6**	**0.9**	**0.5**	**0.4**

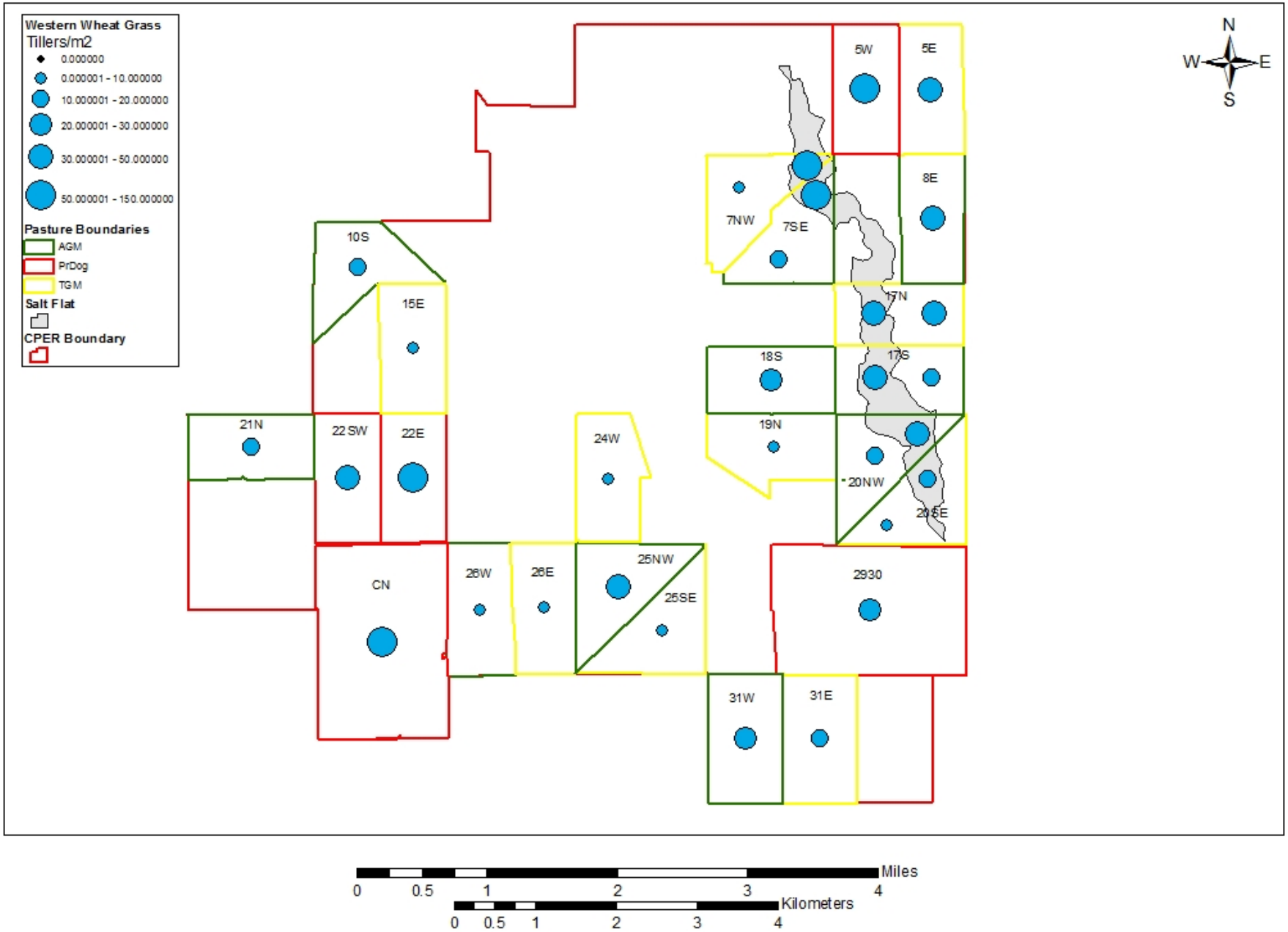
Densities of Key Plant Species

- Western wheatgrass (tiller density)
- Prickly pear cactus (cladode density)
- Needle-and-thread grass (plant density)
- Inland saltgrass (tiller density)
- All forb species (plant density)
- Four-wing saltbush (shrub density)
- Winterfat (shrub density)

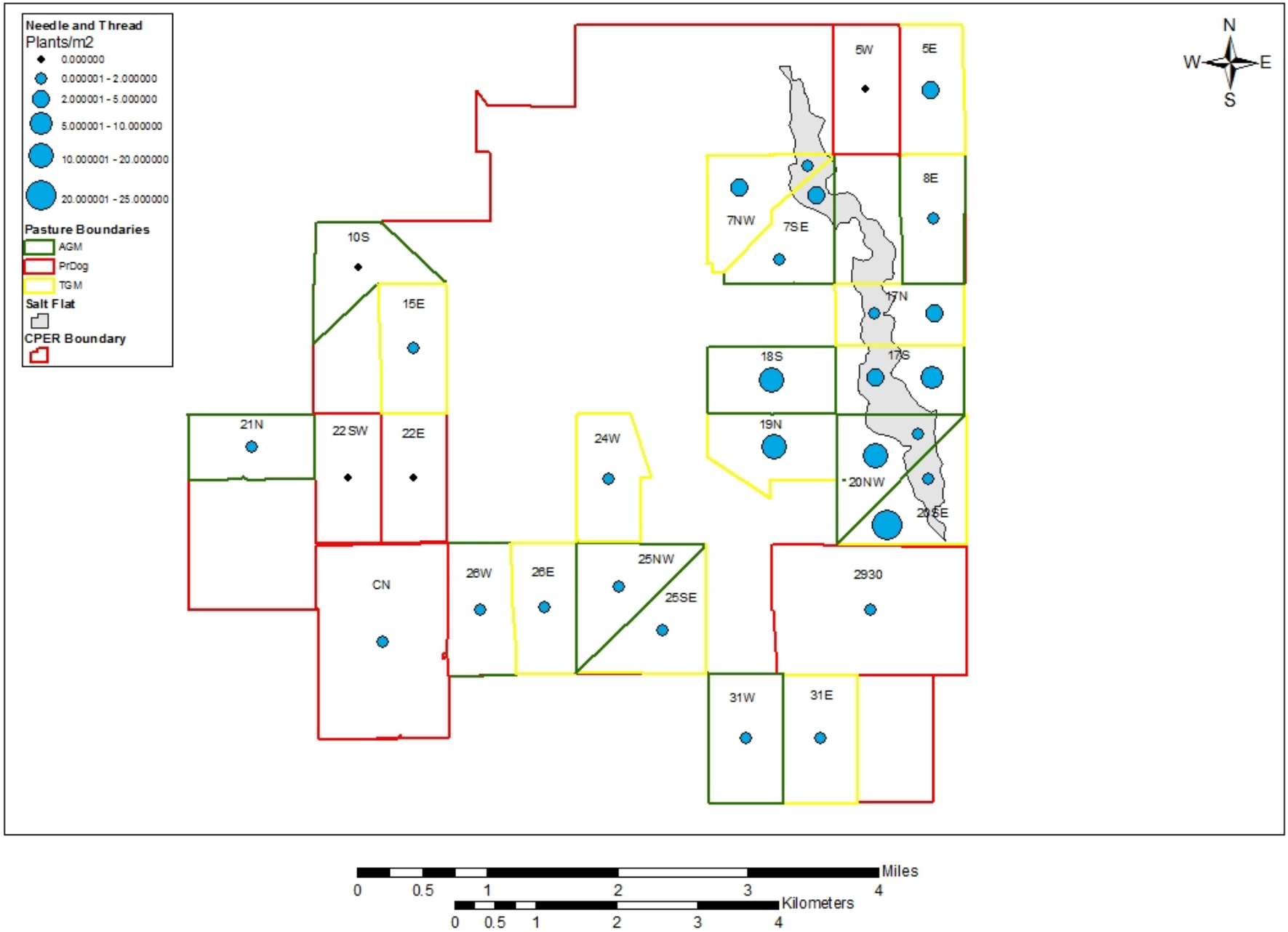
Densities of Key Plant Species

- Counts in 0.25 m^2 quadrats:

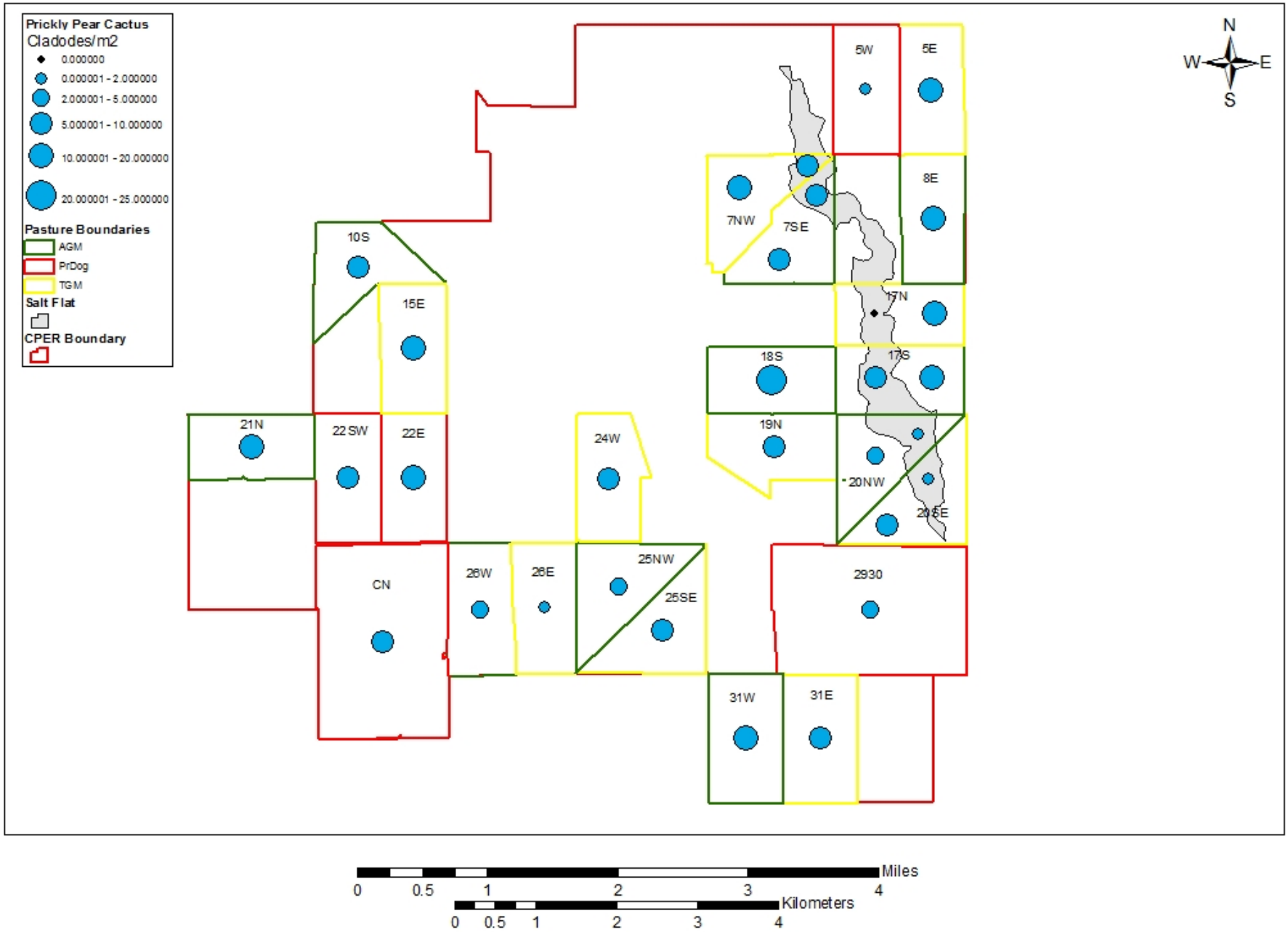
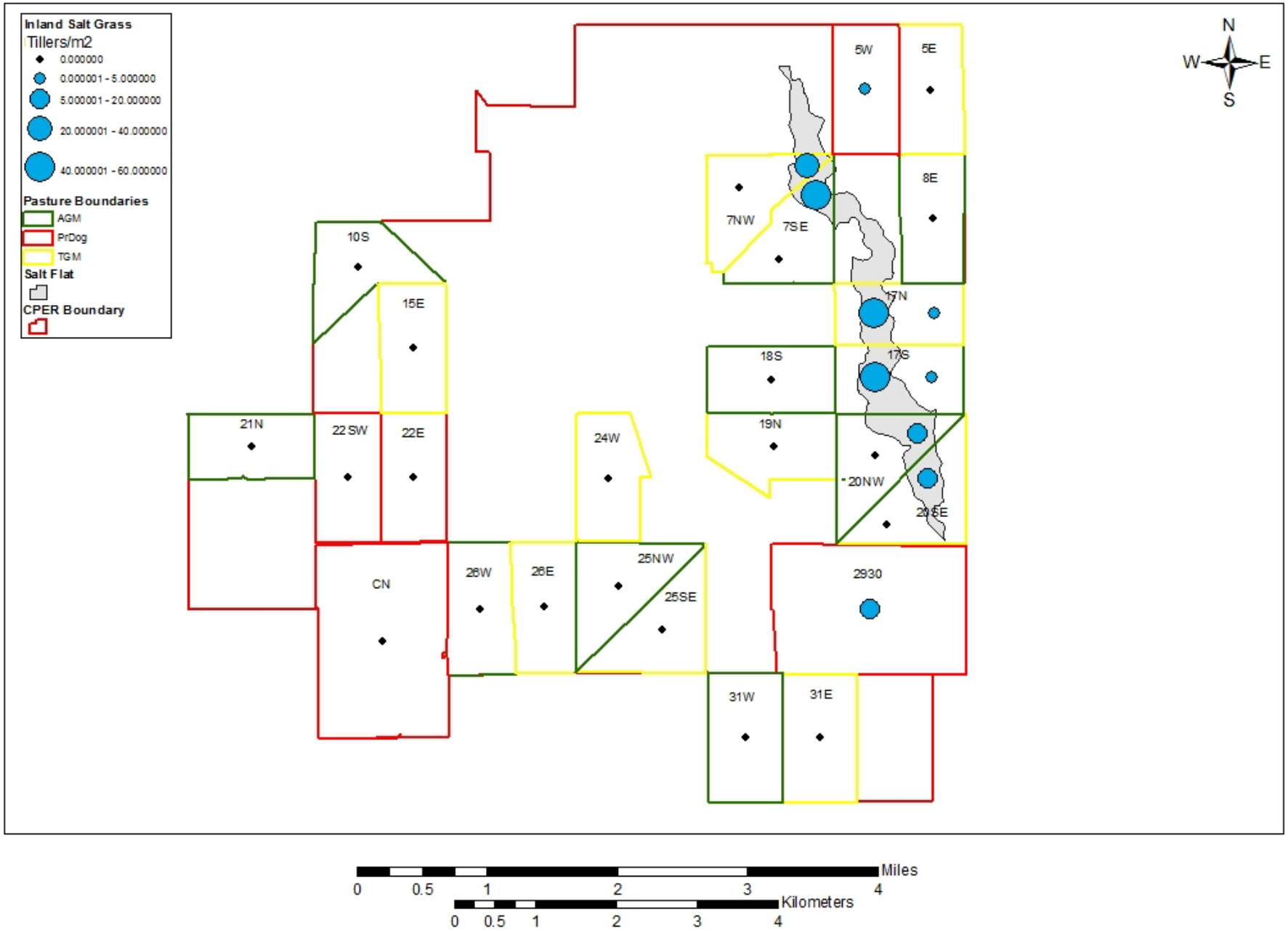
Western Wheat Grass



Needle and Thread



Prickly Pear Cactus



Inland Salt Grass