

BOURDET RANCH

FERTILIZER ELEMENT TRIAL

ESTABLISHED 12-12-67

PLOT SIZE = 20' X 20'

FERTILIZERS USED:

N100 = UREA (45-0-0)

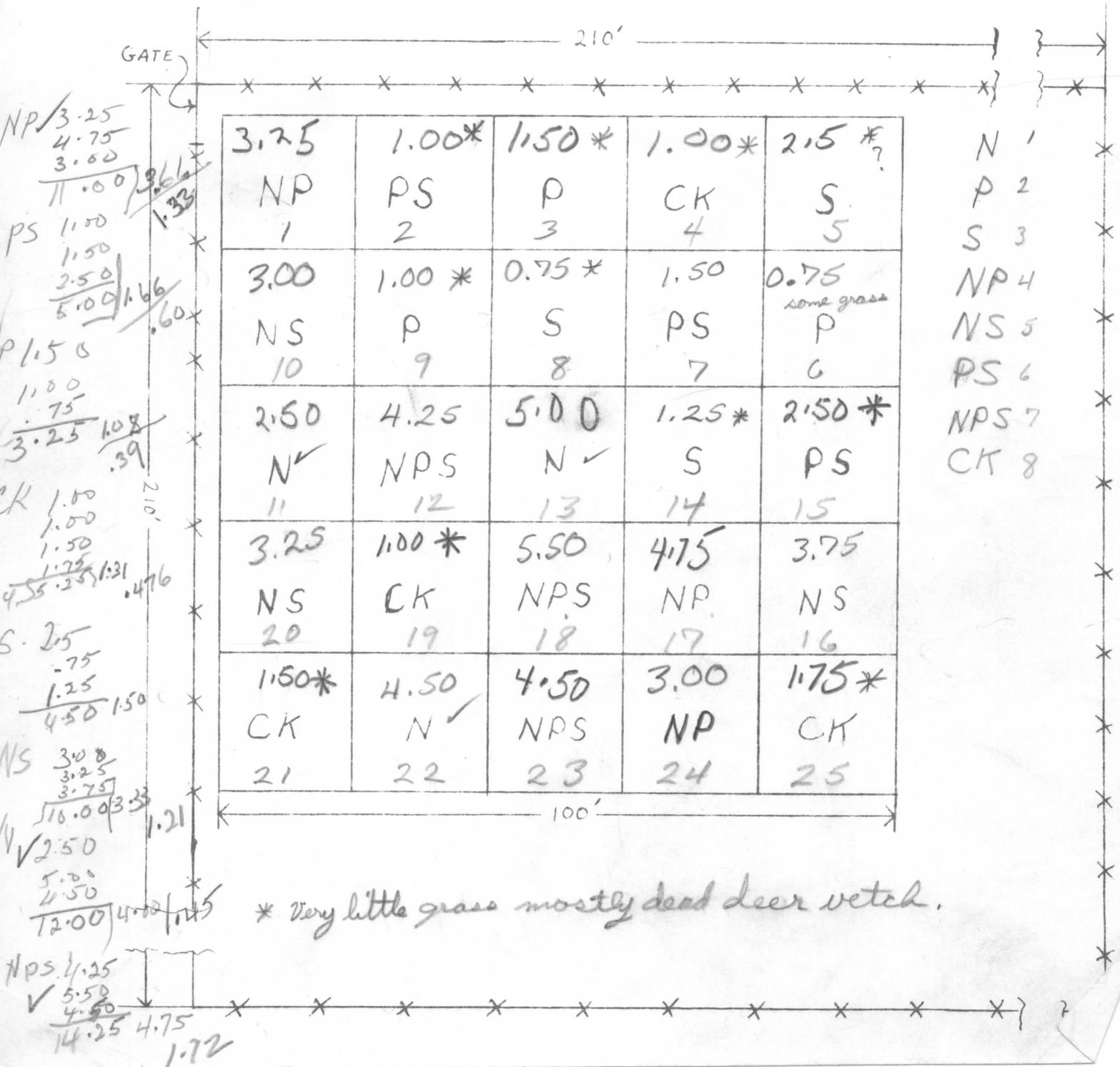
P160 = TREBBLE SUPER-PHOSPHATE (0-45-0)

S72 = GYPSUM (S=18%)

Source material

1968

CLEAR DAY BUT WITH A COLD WIND. THE PLOT AREA IS COVERED WITH DEER VETCH AND BRACKEN FERN AND OTHER BRUSH SPECIES WHICH WILL BE SPRAYED WITH BRUSH KILLER. GRASS NOT COMING TO WELL



Boundet Ranch (Sand Plot)  
 Fertilizer Element Trial Est. 12/12/67

Element	Replications			ave	wet Tons/ac	dry*	Dm lbs/A
N	2.5	5.0	4.5	4.0	1.45	1.45	2900
NP	3.25	4.75	3.0	3.67	1.33	1.33	2660
NS	3.0	3.25	3.75	3.33	1.21	1.21	2420
NPS	4.25	5.5	4.5	4.75	1.72	1.72	3440
P	1.5	1.0	0.75	1.08	0.39	0.39	780
PS	1.0	1.5	2.5	1.67	0.61	0.61	1220
S	2.5	0.75	1.25	1.50	0.54	0.54	1080
CK	1.0	1.0	1.75	1.25	0.45	0.45	900

\* Forage was very dry when harvested; therefore, dry weight was the same as when harvested.

BOURDET RANCH  
 FERTILIZER RATE & ELEMENT TRIAL  
 ESTABLISHED 11-8-67

Plot Size = 20' x 20'

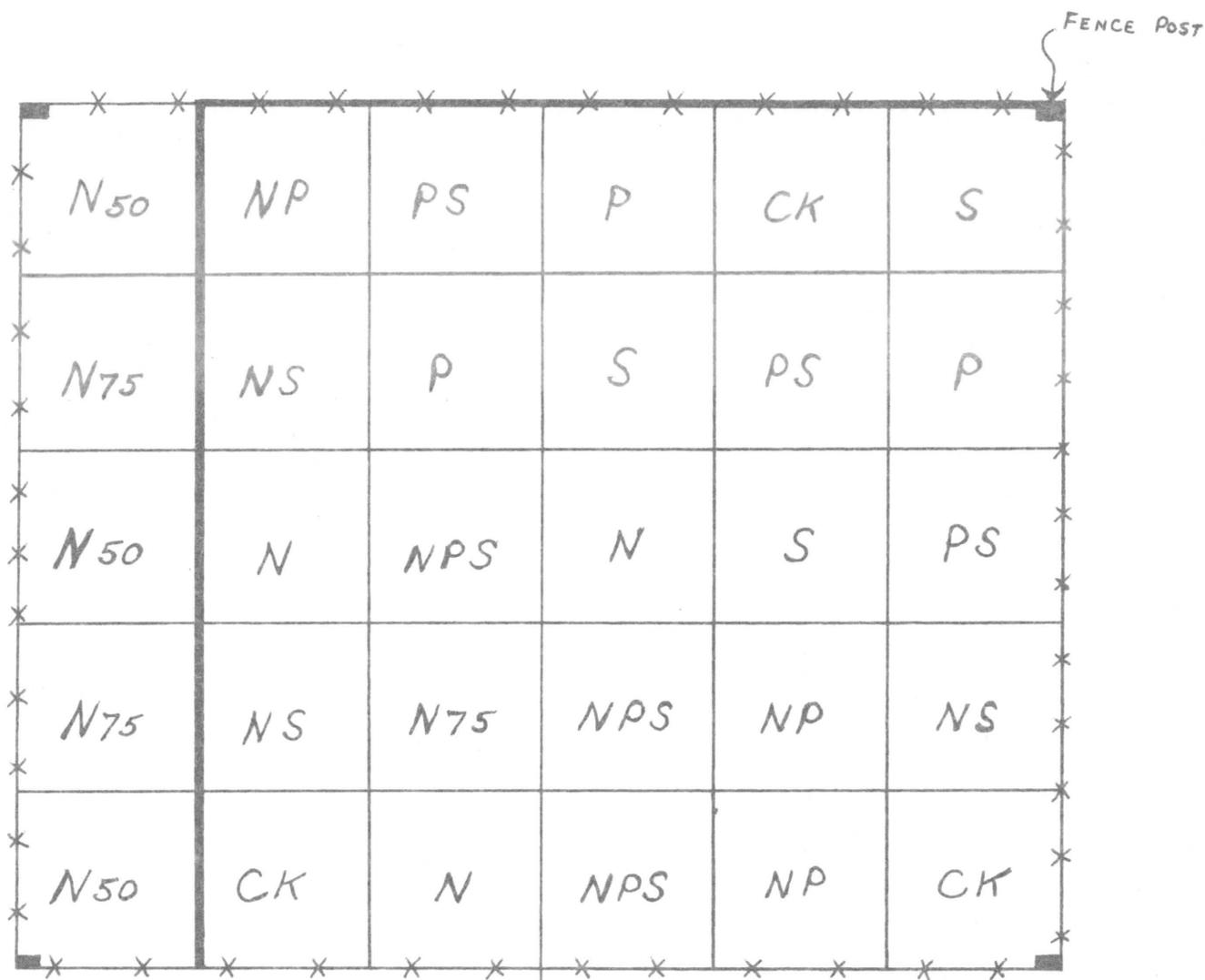
High clouds, medium humidity - temp. estimated 75°. Most of existing brush and cow manure removed prior to treatments. In the most northwest NPS plot an elderberry tree was cut down and removed leaving a small stump. Also in the same plot there is a large badger hole. Fence line was placed exactly on the plot borders.

Fertilizers used:

Rate Trial N = Am Nitrate (33-0-0)  
 P = Trebble Super-phosphate (0-45-0)

Element Trial

N 100 = Am Nitrate (33-0-0)  
 P 160 = Trebble Super-phosphate  
 S 72 = Gypsum



Bowditch Ranch 1968 Harvested 4-19-68  
 Fertilizer Rate & Element Trial

INTERNATIONAL  
 42-383

Element Rate	Replications			ave	wet Tons/ac		% dry matter dry Tons/ac.		DM lbs/A
	1	2	3		1	2	1	2	
N	7.75	7.63	7.25	7.54	2.74	58	1.59		3180
NP	7.75	6.75	5.75	6.75	2.45	55	1.35		2700
NS	9.75	7.60	14.13	10.29	3.74	53	1.98		3960
NPS	5.0	6.00	5.63	5.54	2.01	63	1.27		2540
P	6.5	8.5	11.0	8.66	3.14	49	1.52		3040
PS	7.13	7.88	9.63	8.21	2.98	51	1.52		3040
S	5.88	7.00	12.38	8.42	3.06	47	1.44		2880
NSD	5.38	8.38	6.38	6.71	2.44	60	1.47		2940
N75	5.38	7.38	8.88	7.21	2.61	66	1.72		3440
CK	7.00	7.38	5.00	6.46	2.34	56	1.31		2620