

United States  
Department of  
Agriculture

Forest  
Service

Chalender  
Ranger District

501 West Bill Williams  
Williams, AZ 86046  
(520) 635-2676

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File Code: 4200

Date: 10/3/95

**Subject:** Initial Cluster Data and Range Condition Rating for Garland  
Prairie RNA

**To:** Reggie Fletcher

Here is a copy of the summary sheet for the Parker 3-Step cluster that we established within the GP RNA this spring. As you can see, the cluster graded out at the high end of "Good" condition class. Location of the cluster is the NE portion of the RNA, parallel to ATSF RR, 385' SW of fence stile.



THOMAS MATZA  
Rangeland Management Specialist

**SUMMARY SHEET FOR CURRENT RANGE CONDITION RATING**

(Ref: FSH 2209.21)

Range Allotment GARLAND PRAIRIE District Cherokee Cluster No. C-1 RNA

Date 5/25/95 By MATZA, WEBBER No. of Transects 3 Aerial Photo No. \_\_\_\_\_

Vegetation Type Pine Barrens General Location NE PORTION OF RNA, Parallel TO RR, 385' SW of fence

**Block 1 SUMMARY OF HITS AND DOTS COMPOSITION**

Transect	Decreasers				Increasers				Invaders			
	Line Hits	Dot Tally	Total	Allow Comp.	Line Hits	Dot Tally	Total	Allow Comp.	Line Hits	Dot Tally	Total	Allow Comp.
1	22	66	88	88	2	7	9	9	0	3	3	3
2	17	44	61	61	3	8	11	11	5	22	27	27
3	38	48	86	76	5	6	11	11	0	2	2	2
Total	77	158	235	235	10	21	31	31	5	27	32	32
Average												
COMP VALUES: Decr. (X2) <u>156</u> Incr. (X1/4) <u>2.5</u> Inv. (X-1) <u>- 11</u> Total <u>148</u>												

**Block 2 SUMMARY OF TRANSECT HITS**

Transect No.	1	2	3	Total	Avg.
Hits: All Plants	24	26	43	93	31
Rock	27	14	12	53	18
Litter	39	36	38	113	38
Bare Soil	10	24	7	41	14
Total	100	100	100	300	100
Hits: All For. Plts.	24	20	24	68	23
Eros. Haz. Ind.	37	25	41	103	34
Annuals: Abundance	(Light, Medium, Heavy)				

**Block 3 VIGOR MEASUREMENTS**

Transect	1	2	3	Total	Avg.
Species	Leaf Height	Leaf Height	Leaf Height		
Fear	9	5	7	21	7
Mumo*	4	12	3	19	6

\* NOT IN GROWING SEASON

Browse Compos.	Browse Density	Browse Vigor	Browse Avail.

**Block 4 CONDITION AND TREND RATING**

from Scorecard	<u>A</u>	Date	<u>FSH 4/88 Amend 14</u>
VEGETATION	SOIL STABILITY		
Forage Cover Index	<u>23</u>	Erosion Hazard	<u>34</u>
Composition	<u>45</u>	Current Erosion	<u>40</u>
Vigor	<u>7</u>		
Sub Total	<u>75</u>	Total	<u>74</u>
Cool Season Rating	<u>Common</u>	Condition Class	<u>G</u>
Total	<u>75</u>	Current Trend	<u></u>
Condition Class	<u>G</u>		
Current Trend	<u></u>		

**TYPING DESIGNATION**

Transect No., Vegetation Type, dominant vegetation, vegetation and soil score, and trend:

**Block 6 TREND INDICATORS**

The Range Analysis & Mgmt Handbook gives the latitude to assign a trend based on current condition descriptors. I would rather call this baseline data and allow future monitoring to describe trend. *Jm*

July 15, 1982

Reneé Galeano  
Kaibab National Forest  
800 S. 6th St.  
Williams, Arizona 86046

Dear Reneé:

Sincere thanks for the Government Prairie data. What a joy to receive so complete a botanical-ecological description. It makes one wish that our range cons could have more of the botanist in their hearts.

I enclose the summary of your transect. I would like to suggest to the Kaibab that 300 acres of this prairie be established within the Region 3 research natural area program. The exact location and boundary could be worked out with Don Richards and Vern Zarlingo. Your data show a very promising FEAR-MUMO ecosystem, a major grazing type in the Southwest as yet unrepresented in our RNA system.

Concerning your continued and permanent employment in the Forest Service, may I suggest you go after a Range Conservationist position? Sooner or later we'll get a botanist/ecologist position at the Forest level, and both Reggie Fletcher and I would sure like to have you around to fill it.

Again, thanks!

Sincerely,

*Will Moir*

W. H. MOIR  
Ecologist  
Range Management

Enclosure

cc: ... Larry Schmidt, S&W

Workers: Renee Galeano

Site: Government Prairie - Staibab N.F.; Chalcedar R.D. -  
 - T23N, R5E, Sec. 31, NW 1/4, SE 1/4 -  
 - Rd. 793 Act. w/ Rd. 81 \* Elevation ± 72-7300'

Date: 6-24-82

TAXA	QUADRAT NUMBER										Average			
	5	6	10	11	15	16	20	21	25	Cov.	Freq			
<del>FeAr</del>	2	2	2	2	2	3	3	1	4	3	2	4	2.1	12
BeGr	1	1	0	0	1	0	0	1	1	1	1	0	1	72
MuMo	1	2	2	2	2	1	2	1	1	1	1	0	3	40
PeFe			0	2	1								0.7	12
SiHy										0			1	3
Carex geophila	2			1	0						2	0	1	12
Eriogonum racemosum	1	1	0	1	0	2	1	0	0	0	0	0	1	43
Linum aristatum				0	0	0	1	0	0	0	0	0	1	12
Artemisia ludoviciana	1	0	1	0	1	0	1	0	1	1	0	0	0.3	48
Oxytropis lambertii		0	1	0									0.1	12
Castilleja integrifolia							0						1	8
Lappula pedunculi												0	1	8
? Senecio spartoides?											1	1	0.2	8
Veg BA														
Litter		3	3	1	1	1	2	1	2	1	3	2	2	2
Bare soil	4	4	3	2	2	1	2	1	2	2	2	2	2	1
f. gravel														
c. gravel														
Cobble (<10")														24%

Gravels 27%

present (outside plot)  
 > see back of  
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Notes: See back

PLANT SPECIES IN IMMEDIATE AREA OF TRANSECT

*Astragalus humistratus*

- Antennaria rosulata*
- Tragopogon dubius*
- Viguiera multiflora*
- Solidago* sp.
- Loansendia exocarpa*
- Leucelene ericoides*
- Hymenoxys richardsoni*
- Eriogonum* cf. *alatum* (or. *hieracifolium*)
- Erigeron divergens*
- Erigeron canos*
- Thlaspi montanum*
- Potentilla subviridula*
- Hymenopappus filifolius* var. *lugens*
- Cryptantha jonesii*
- Agoseris glauca*
- Gutierrezia sarothrae*
- Lotus wrightii*
- Lupinus* sp.
- Oenothera laciniata* var. *pubescens*
- Cirsium* sp.
- Silene alyrata*

PLANT SPECIES IN VICINITY OF TRANSECT (INFLUENCED ~ (ADJACENT) TO ROAD)

- Descurainia obtusa*
- Bromus inermis*
- Verbascum thapsus*
- Chrysothamnus nauseosus*
- Androsace septentrionalis*
- Lesquerella cinerea*