



Current Season of Growth: late **Today's Weather:** Warm, sunny

Form Used: 2k6 Rancher 17-20" 8/06 Field Form

1. Pasture Notes

Pasture Size: 51 acres

Management:

None. CRP since 1987, no grazing for 23 years.

Unique Conditions:

Carbon plot taken 9/24/2010 by Peter Donovan at 44 foot mark. No lab results yet.

General Notes:

2010-establishment year- East aspect

2. Weather History

	Temperature	Precipitation
Previous Fall	Average	Average
Winter	Above	Below
Spring	Below	Above
Summer	Below	Above
Fall		

Nearest Rain Gauge: La Grande
Total Precipitation: 15.71 inches
(from Oct 01, 2009 to Jul 31, 2010)

3. Grazing Records

Rest Period Before 1st Graze:

Site Grazed? No

Graze Uniformity: N/A

Estimated Utilization: 0%

Rest/Opportunity:	All Season
Intensity:	< 10%
Season:	Not Grazed
Precipitation:	Above Average
Grazing Index Score (-5 = worst, +5 = best)	+5

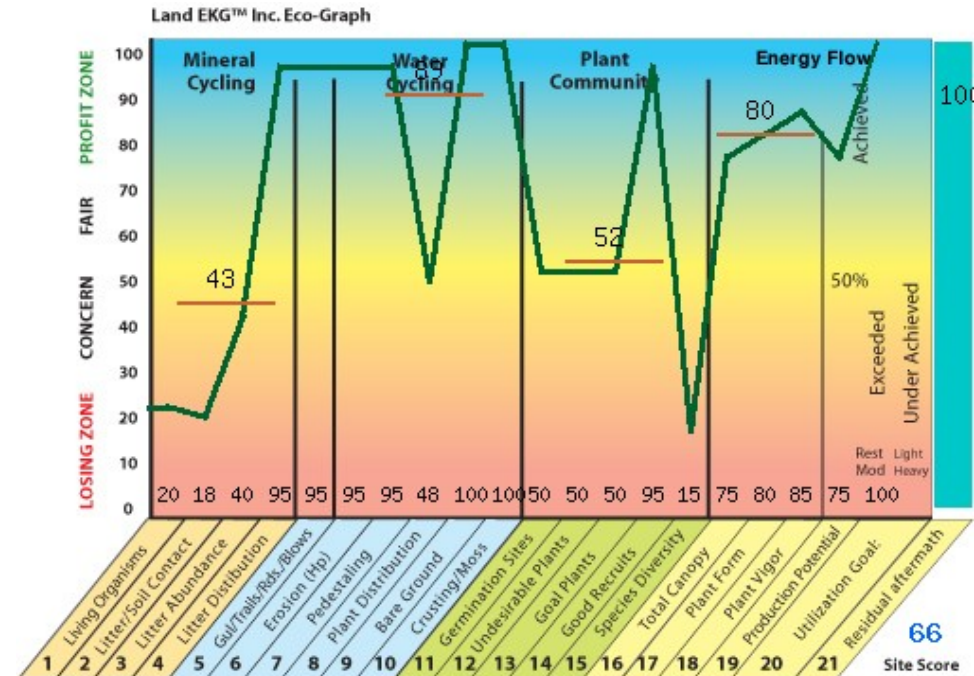
Grazing Dates:

Animal Type	# Animals	Start Date	End Date	Animal Days per Acre

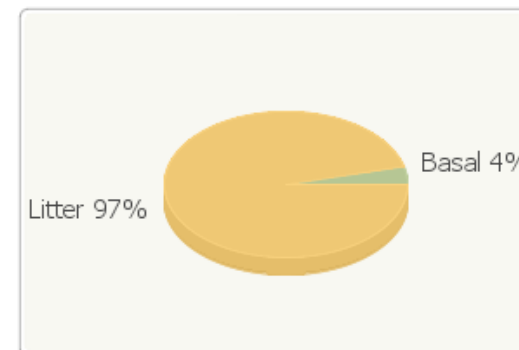
Total Days Grazed: 0 days

Highest Stock Density: 0.00 animals/acre

4. Land Eco-Graph:



5. Surface Cover

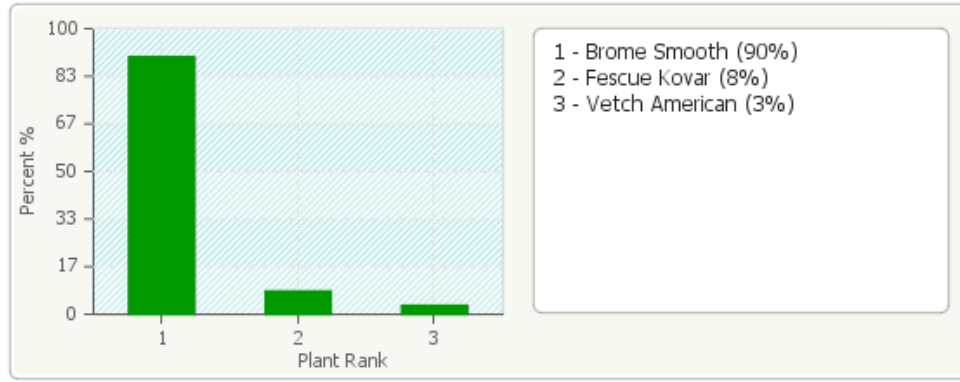


Leaf Height and Canopy:

Avg Leaf Height:	15.5 inches
Max Leaf Height:	22.5 inches
% Live Canopy:	95%



6. Plant Species Composition (Average from Hoops):
(also known as 4-3-2-1)



7. Plant Inventory (# = 17): (Goal Plant, Undesirable Plant, Absent But Possible Plant)

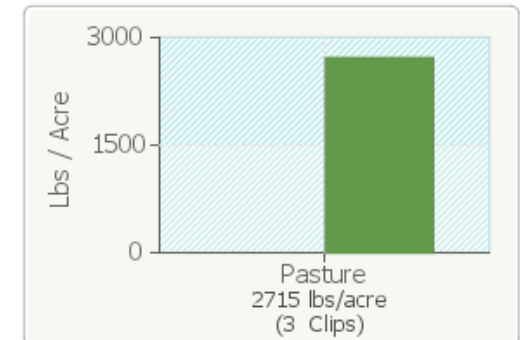
- | | | |
|---|--|--|
| <p>Grasses:</p> <ul style="list-style-type: none"> Bluegrass Brome Smooth Fescue Idaho Fescue Kovar Orchardgrass Timothy Timothy | <p>Forbs:</p> <ul style="list-style-type: none"> Cinquefoil Sulphur Epilobium Lettuce China Mullein Pinque Salsify Thistle Canada Vetch American Vetch Fuzzy Yarrow Western | <p>Shrubs:</p> <ul style="list-style-type: none"> <p>Trees:</p> <ul style="list-style-type: none"> Pine Ponderosa |
|---|--|--|

8. Living Organisms (# = 8):

(Abundant Organism*)

Age	Organism Name	Sign
Fresh	Deer	Sighting
Fresh	Grasshopper	Sighting
Fresh	Leafhopper	Sighting
Fresh	Cricket	Sighting
Fresh	Ant	Sighting
Fresh	Dove	Sighting
Fresh	Fly	Sighting
Fresh	Aphid	Sighting

9. Forage Production:



Production Notes



Indicator Notes:

Mineral =Low, Water =Good, Biotic =Low, Energy =Low

Mineral Cycle: Living Organism score was very low and did not have any signs of life from the recent past (no manure, tracks, feathers, etc.). Though litter distribution was uniform, litter was overly abundant with 3" litter depth and litter-soil contact was only 25%.

Water Cycle: Excellent. Typical of CRP pastures. Plant distribution/density was uniform but with low basal cover expected for this system.

Plant Community: There were few germination sites in the hoop - though perennial recruits were good. Canada thistle and sulphur cinquefoil (undesirable plants) were prevalent in the stick zone. 50% of goal plants were missing from the hoop. Species diversity was very low.

Energy Flow: Canopy cover was 50-60%. Some phase 3 growth seen. Plant vigor and production could both improve to reach potential. Utilization goal of rest was achieved.

3 of 4 impaired processes (all but water cycling) are common results of CRP practices.

Site Recommendations:

Allow energy flow to occur. Apply grazing and animal impact.

Plants capturing sunlight, but that energy not being transferred (through grazing) to other living users, and breakdown and decay is slow. Poor nutrient cycle can negatively affect plant community function as well.

Though water cycling is improved, unstimulated plants will be replaced by plants better adapted to little energy flow and usually express less diversity. Case in point, Smooth brome dominates site and can survive in the CRP management environment, however undesirables have appeared also.

Using grazing (as high stock density as possible) with initially heavy stocking rate followed with appropriate rest period and again grazed (not as heavy) will stimulate system and desirable plants.

SITE PHOTOS



Longline

(2010-08-16)



Shortline

(2010-08-16)



Hoop 1

(2010-08-16)



Hoop 1 Back

(2010-08-16)



Hoop 2

(2010-08-16)



Hoop 2 Back

(2010-08-16)