Feed Test Analysis Re[illegible]t - Salt Marsh Grass

Abund[illegible]t Acres

As Fed and Dry Columns. The As Fed column is the sample test prior to dry-down (diluted with water).The **Dry column** indicates the nutrient levels with the water removed. It is this number that is used by nutritionists and compared with other samples.

*****Important to let lab know if grass, legumes or mixed as need to use different equations for analysis *****

Feed Test Report	Importance	Target Levels	Rating	
			2012 NSDA Test	
Crude Protein %	A measure of protein concentrate of both true protein and non-protein nitrogen. Can indicate if cut at correct time	Above 16% is excellent quality.	7.49	Low quality
ADF %	Acid detergent fiber. Amount of fiber concentration. Measures the least digestible part of the feed. As ADF increases, digestibility and nutrient availability deceases.	Levels 30% and below indicates excellent quality forage. Legumes can range 20-35%, while grasses are typically higher at 30-45%.	37.41	Good quality
NDF %	Neutral detergent fiber. Contains hemicellulose which is bulky and more digestible. Good predictor of intake in ruminants. The lower the number, the more the animal will eat.	Levels below 45%, excellent quality, above 60% are lower quality and affects how much the animal will eat. Grasses have higher NDF at same stage of maturity as legumes.	No data	Good quality Cut early – NDF increases and protein decreases with each delayed day to harvest
TDN%	Total digestible nutrients - measures the energy value of the feed (carbohydrates, digestible protein, fats)	A value less than 50% is poor quality and a value above 60% is excellent quality. In between - average quality.	56.26	Average energy value

If harvested earlier would get better protein Also – take out duff.

d Test Report	Importance	arget Levels	Rating	
			2012 NSDA Test	
DE Mcal/kg	Digestible energy	1.6-2.0	2.82	Excellent energy value
Phosphorus %	Important for bones, energy, etc.	0.2 - 0.4	0.1	Low phosphorus
Potassium %	Important for milk production, body maintenance, muscle, rate of gain etc.	1.9 - 3.8	1.19	Low potassium
Calcium %	Important for bones, milk production, body maintenance, etc.	Values at 0.6 is excellent.	0.35	Average levels
Magnesium %	Important for bones, milk production, muscular control, etc	0.2 - 0.4	0.37	Good levels
Copper (ppm)	Enzymes impt for reproduction, immunity and growth need copper. Also for maintenance of connective tissue, hoof tissue, etc	4 – 8	4.72	Good levels
Zinc (ppm)	Impt for growth rate, fertility, combating infections, etc.	Low levels are under 25 ppm	23.24	Low levels
Manganese (ppm)	Impt for reproductive performance, skeletal structure, birth weight, etc.	Low levels are under 25 ppm	277.8	Good levels