

PROFITING FROM NATIVE PASTURE

Rob Havard

Phepson Farm – Phepson Angus

Herd of 90 Pedigree Angus Cows







Grasslands make up
40% of the terrestrial
area of the earth!



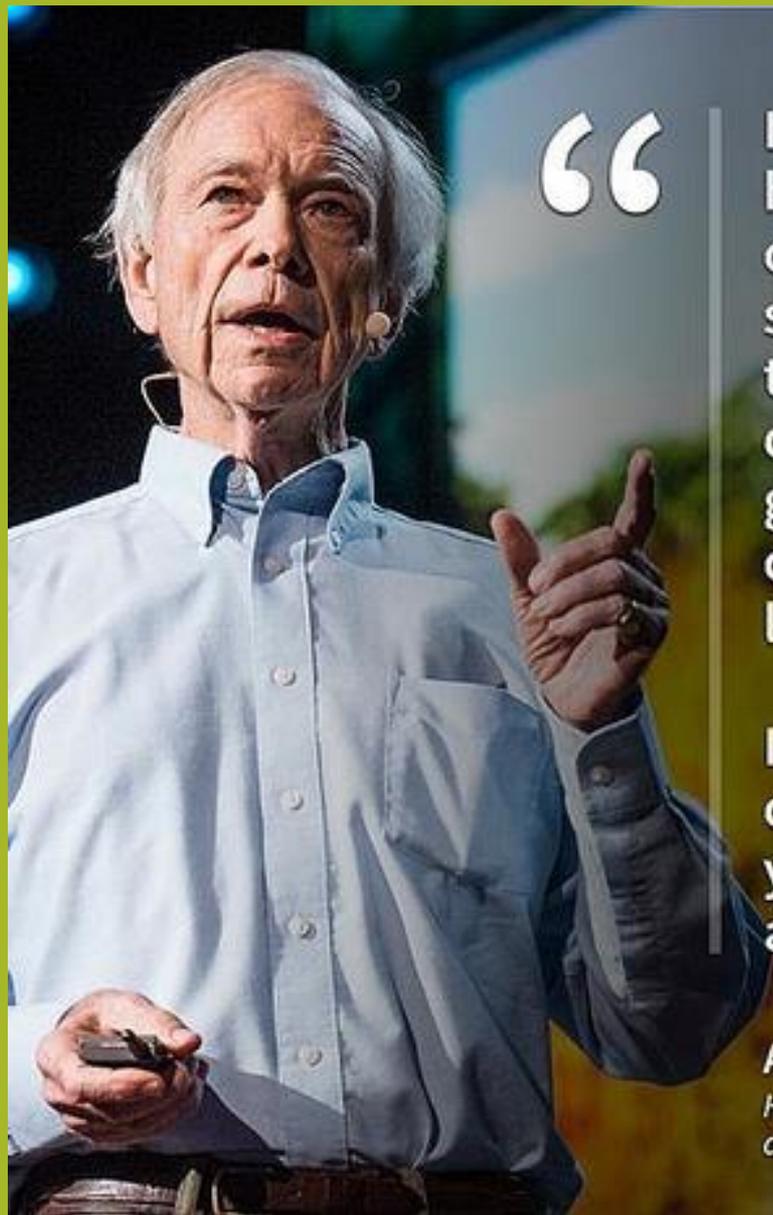
- Tonnage of Herbivores?
- Stocking density/Seed rate

In 1805, while leading the Corps of Discovery through the northern Great Plains, Meriwether Lewis recorded:

“the country in every direction around us was one vast plain in which innumerable herds of Buffalo were seen attended by their shepherds, the wolves; the solitary antelope which now had their young were distributed over its face; some herds of elk were also seen.”







“

If we do what I am showing you here, we can take enough carbon out of the atmosphere and safely store it in the grassland soils for thousands of years, and if we just do that on about half the world's grasslands that I've shown you, we can take us back to pre-industrial levels, while feeding people.

I can think of almost nothing that offers more hope for our planet, for your children, and their children, and all of humanity.

Allan Savory

*How to green the desert
and reverse climate change*

Holistic Management® Framework

MANAGEMENT INVENTORY

Management Team — Assets

HOLISTIC GOAL

Quality of Life — Behavior and Systems — Vision

ECOSYSTEM PROCESSES



TOOLS

Human Creativity Technology Rest Fire Animals and Living Organisms Money and Labor

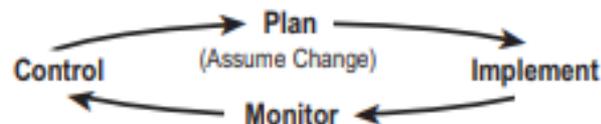
TESTING QUESTIONS

Root Cause Weak Link
—Social
—Biological
—Financial Comparing Options Gross Profit Analysis Input Analysis Vision Analysis Gut Check

PLANNING PROCEDURES

Holistic Financial Planning Holistic Land Planning Holistic Grazing Planning

FEEDBACK LOOP





Andre Voisin – Grass Productivity - 1959

First law of rational grazing -

“Before a sward, sheared with the animal’s teeth, can achieve its maximum productivity, sufficient interval must have elapsed between two successive shearings to allow the grass to accumulate in its roots the reserves necessary for a vigorous spurt of re-growth.”

- Rest periods.

“For thousands of years shepherds have been conversant with that extraordinary, living electric fence, the dog.”

Andre Voisin, 1959.





Mature plant ready to be grazed



Day 1
Animal has grazed plant severely. Most leafy material is gone, plant is unable to convert the sunlight energy it needs to grow.



Day 5
Thus, the plant kills off roots to mobilize the energy needed to produce more leaf.



Day 10
Leaves are beginning to grow on root energy. If animal returned now, plant would be overgrazed

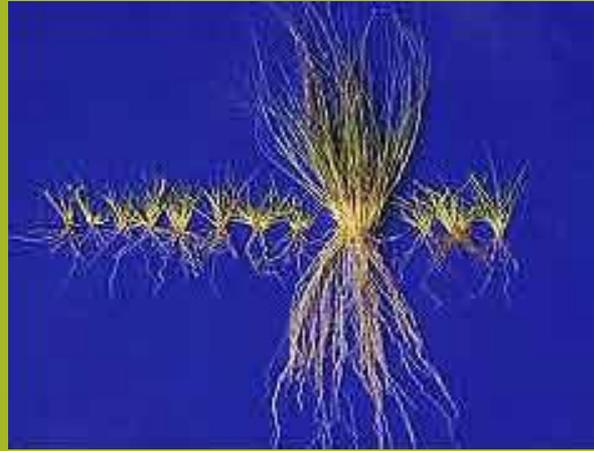


Day 20
Leaves are now converting enough sunlight energy to not only grow but to re-establish roots. If animal returned now, plant would be overgrazed.

Impact of RE-Grazing







Forb – definition.

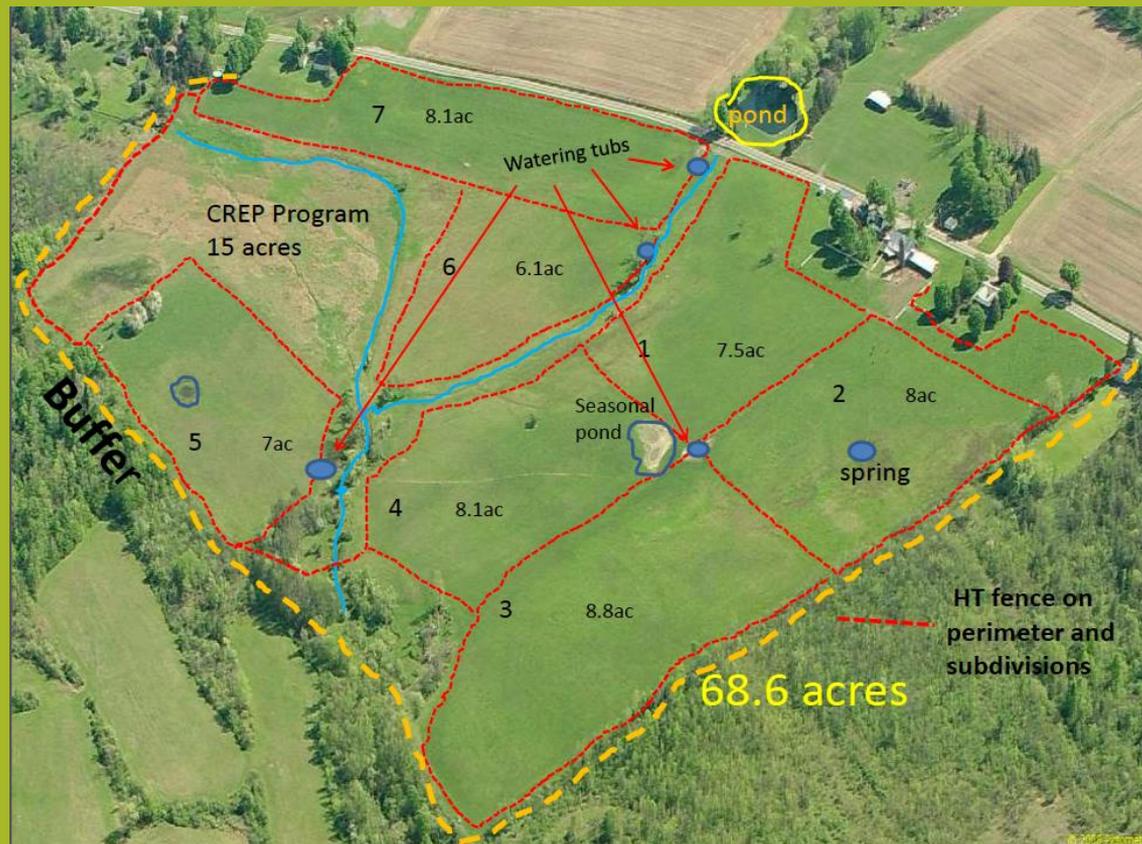
a herbaceous flowering plant other than a grass.

Unlike grasses, forbs do not tend to grow from the base/crown.

The impact/stress of no rest/regrazing on forbs is far greater and leads to loss of forb species.

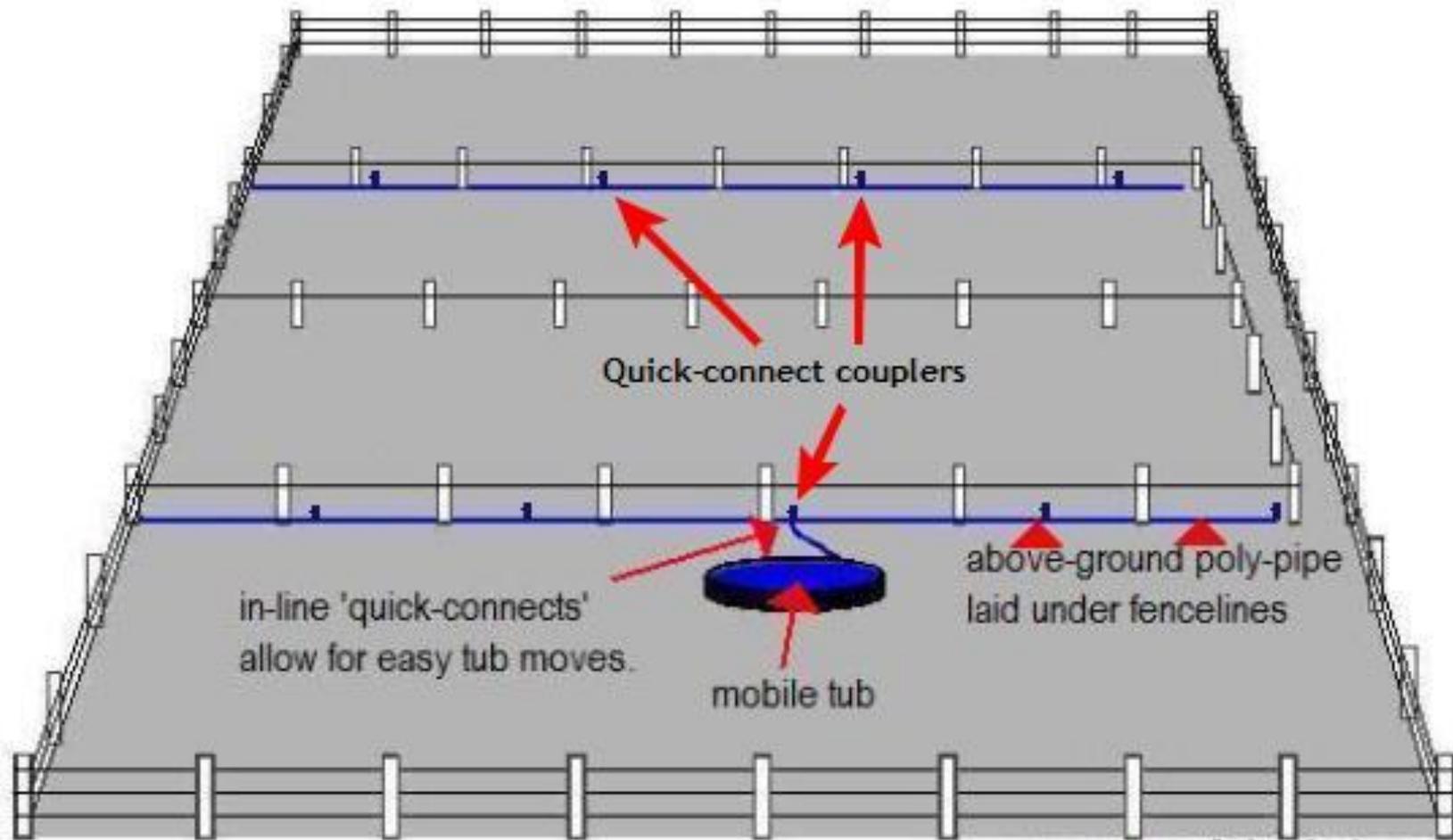
So is continuous grazing suitable for species rich sites?

Using holistic grazing principles to increase/maintain diversity



Using holistic grazing principles to increase/maintain diversity





in-line 'quick-connects'
allow for easy tub moves.

Quick-connect couplers

mobile tub

above-ground poly-pipe
laid under fencelines



Using holistic grazing principles to increase productivity

Daily bite of + - equal nutrition























