

Creating a Synergistic Relationship - Fish, Water, Grass,
Livestock, and People



Grazing for Resilience

Saving Family Farms

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And
Roots of Resilience



The Wind, One Brilliant Day

Antonio Machado

The wind, one brilliant day, called
to my soul with an odor of jasmine.

'In return for the odor of my jasmine,
I'd like all the odor of your roses.'

'I have no roses; all the flowers
in my garden are dead.'

'Well then, I'll take the withered petals
and the yellow leaves and the waters of the fountain.'

the wind left. And I wept. And I said to myself:
'What have you done with the garden that was entrusted to you?'











My Garden – Our Garden

- My life purpose, my passion, my work, my dreams, and my relationships
- Well-being and financial security
- My farm, the land, water, living things and the rest of the physical world



The Sad News...

- We keep on doing and believing the same things
- We keep on managing the same way
- We assume we are right
- We hope it will get better without changing
- The definition of insanity



The Current Situation

- Public Perception of Grazing



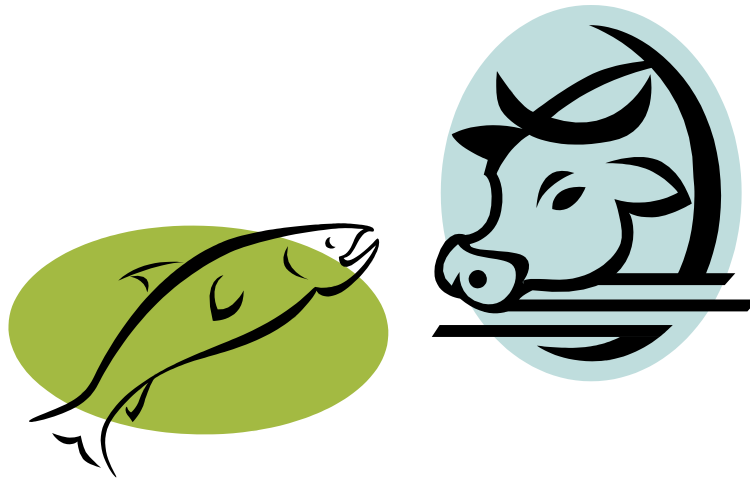
The Current Situation

- Protect the Salmon
- but what can WE do?



Cattle/Farms vs. Salmon

- Commonly held belief they cannot co-exist in harmony
- Cattle vs. salmon vs. governments vs. livelihoods vs. the rights of all people



What Do We Want?

- Rejuvenate grasslands in the PNW
- Enhance water quality
- Save Salmon
- Combat climate change
- Feed people
- Allow farmers/ranchers/fishers to thrive





Summary of Four Key Insights

- 🔑 *The First Insight:* **A holistic perspective** is essential in management.
- 🔑 *The Second Insight:* The **brittleness scale**.
- 🔑 *The Third Insight:* The **predator-prey connection** to the land.
- 🔑 *The Fourth Insight:* **Plant recovery time** (timing is everything.)

Key Insights

Insight# 4

Time is More Important Than Numbers: Plant Recovery Time

Overgrazing of plants and damage from trampling has less to do with the ***number of animals*** on the land, and more to do with ***amount of time*** the plants and soils are exposed to animals.



Holistic Planned Grazing

- Planning process for dealing with complexity of nature



Planned Grazing

- Planned movement of animals on a pastureland or range, not just rotation
- Low input
- Uses natural systems
- Make changes on the land
- Based on your holistic context





Holistic Planned Grazing

- Objectives
 - Get your livestock to the right place at the right time and for the right reasons
 - Maximize your stocking rate
 - Improve water quality
 - Increase biodiversity and production
 - Plan your grazing to increase your profits from meat, milk, or fiber



Holistic Planned Grazing

- Objectives
 - Improve the health of the land and animals
 - Rejuvenate grasslands
 - Increase biodiversity
 - Improve water quality
 - Insure ranchers can continue ranching
 - Insure there are salmon in the streams

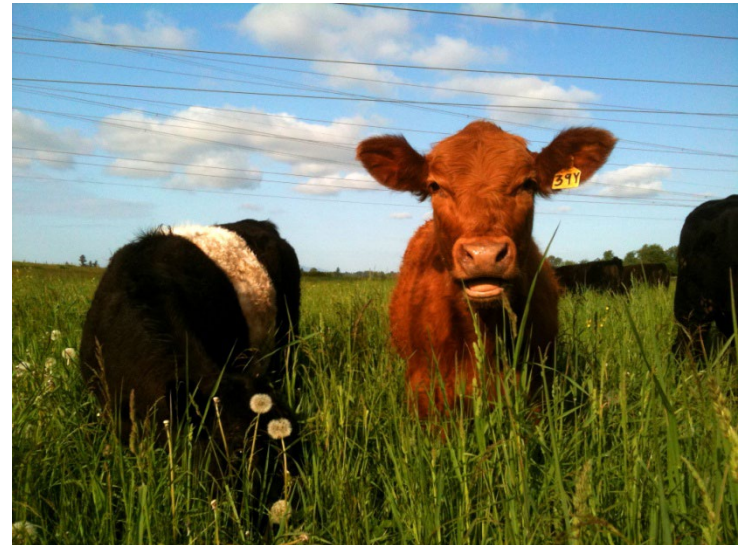
Benefits to the Rancher

- Less labor
- Less feed costs
- Less inputs
- Plan around events or life cycles
- Recover from catastrophes
- Better observation
- More exercise
- Produce healthier food product
- Greater satisfaction



Benefits to the Animal

- Natural and more uniform diet
- No/little supplementation
- Room to move and breath
- Natural behavior
- Less stress
- Less disease



Benefits to the Environment

- Manure fertilizes the land instead of polluting it
- Animals harvest oxidizing plant material
- Improves the health and biodiversity of the pasture
- More grass for wildlife
- Advantages over conventional cropping
- Improved water quality
- Sequesters carbon



What Planned Grazing Creates

- Limited time in riparian area or any paddock
- Optimum timing of exposure to grazing
- Harvest vegetation and regenerate forage cover
- Increase biodiversity, increase biological activity
- Bring the water back

Example: Planned vs. Continuous



Example: Planned Grazing vs. Rest



Examples of Holistic Planned Grazing



Mexico



Chile



1953



2003

Mexico



Karoo, South Africa



Zimbabwe



Zimbabwe – Grown on Animal Impacted Land vs. not



Arizona



Wyoming

Summary

- Holistic Planned Grazing
- Salmon and Cattle together
- Benefits – A holistic approach contributes to the environment, human relationships, and financial sustainability



Questions?



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