

Grazing for Healthy Soils and Weed Control

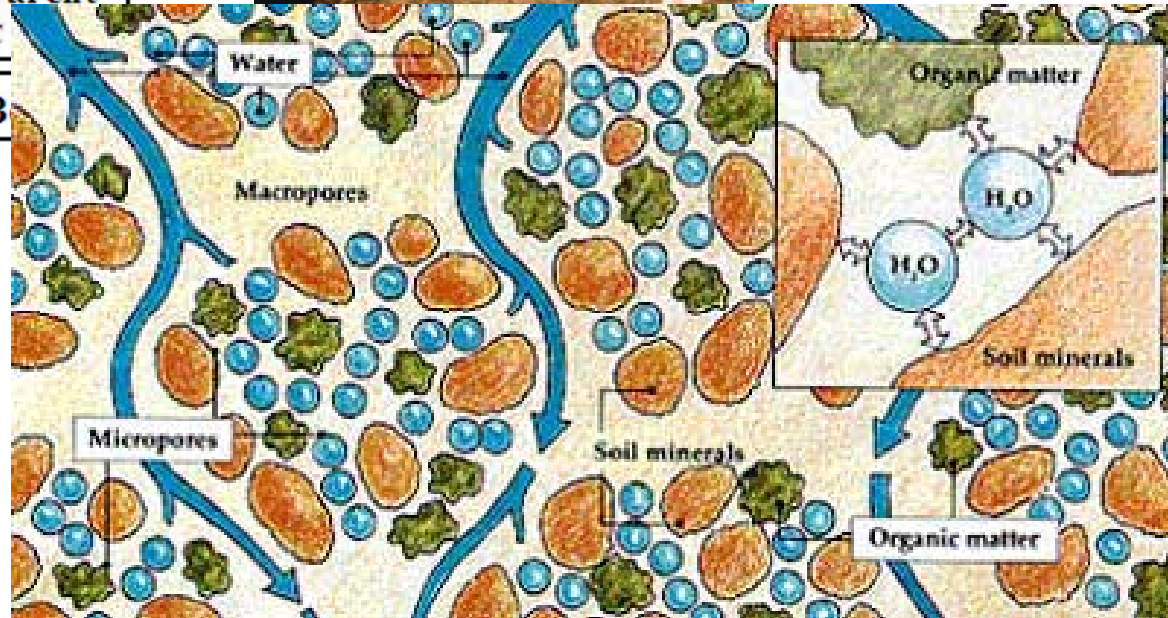
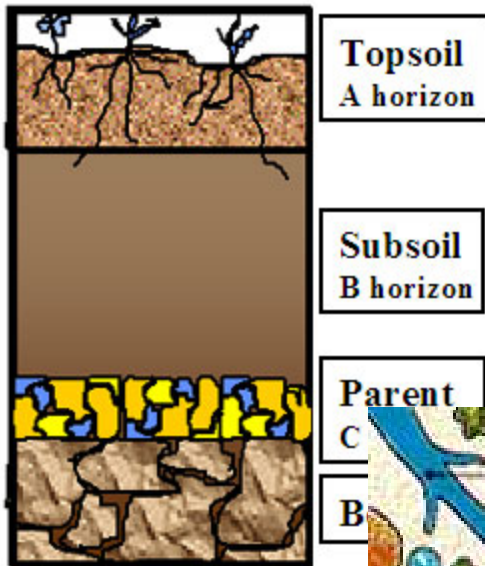
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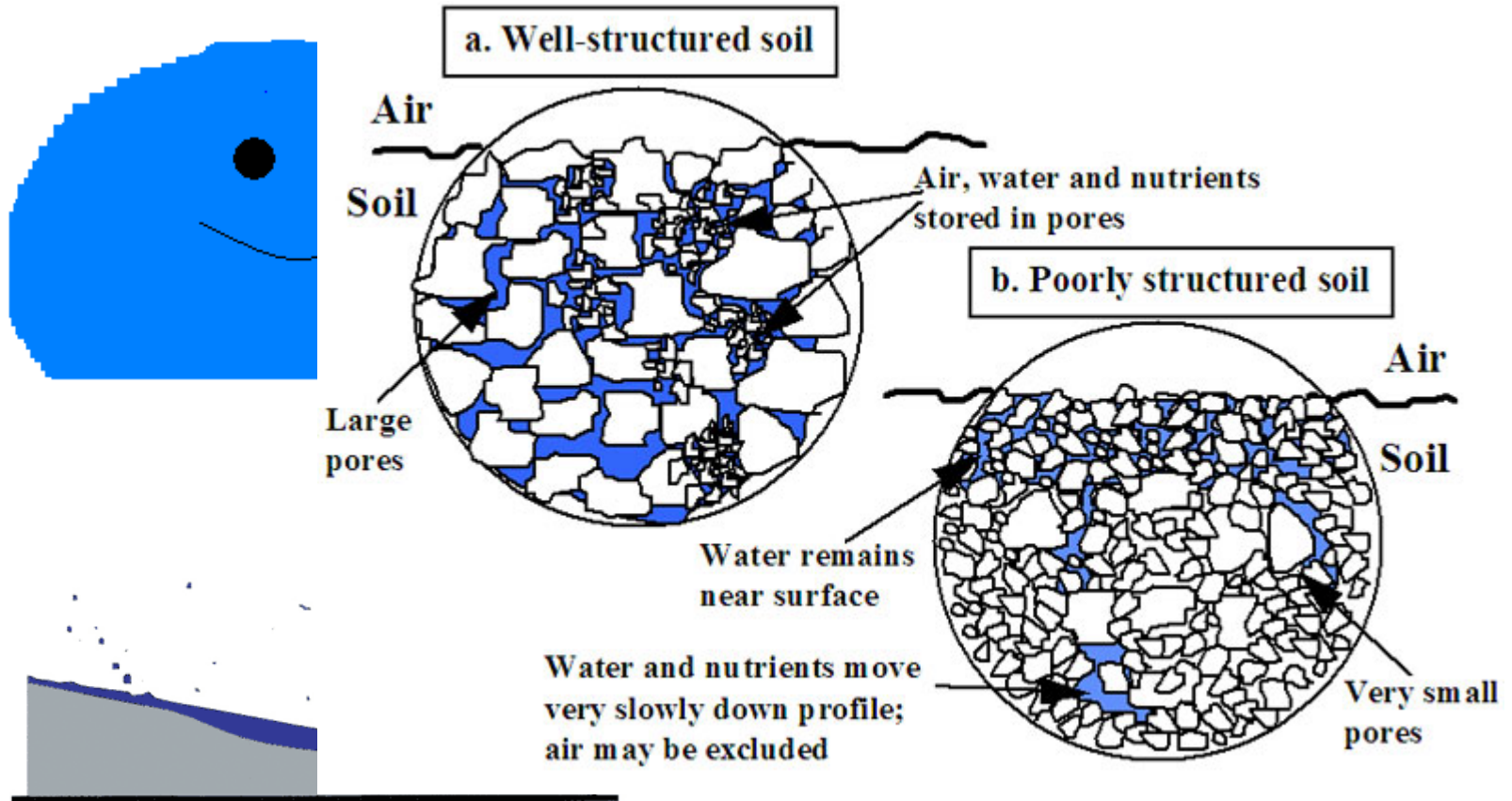
UC Cooperative Extension

Kern, Tulare, and Kings Counties

Soil Profile



Bare Ground



<http://www.ipm.iastate.edu/ipm/icm/2005/5-2-2005/reducespringerosion.html> and Hillel, Daniel. 1998. Environmental Soil Physics

<http://agriculture.vic.gov.au/agriculture/dairy/pastures-management/fertilising-dairy-pastures/how-do-the-properties-of-soils-affect-plant-growth>

Residual Dry Matter (RDM)



RDM tables

Table 1. Minimum RDM Standards for Dry Annual Grasslands (<12" annual rainfall)

RDM Standard for percent slope (lb/acre)				
Woody Cover (%)	0-10	10-20	20-40	>40
0-25	300	400	500	600
25-50	300	400	500	600
50-75	NA	NA	NA	NA
75-100	NA	NA	NA	NA

Table 2. Minimum RDM Standards annual grassland/hardwood rangeland (12-40" annual rainfall)

RDM Standard for percent slope (lb/acre)				
Woody Cover (%)	0-10	10-20	20-40	>40
0-25	500	600	700	800
25-50	400	500	600	700
50-75	200	300	400	500
75-100	100	200	250	300

Table 3. Minimum RDM Standards for Coastal Prairie (>40" annual rainfall)

RDM Standard for percent slope (lb/acre)				
Woody Cover (%)	0-10	10-20	20-40	>40
0-25	1,200	1,500	1,800	2,100
25-50	800	1,000	1,200	1,400
50-75	400	500	600	700
75-100	200	250	300	350

Weed Management

- Targeted Grazing – The application of a specific kind of livestock at a determined season, duration, and intensity to accomplish defined vegetation or landscape goals
- Factors to consider
 - Time
 - Season
 - Type of livestock

Grazing Behavior

- How do livestock learn what to eat?
 - Peer Influence
 - Life experiences
- When are livestock more open to trying new things?
 - Age
 - Nutritional state

Opportunities



Opportunities



Opportunities



Opportunities





Opportunities



Opportunities

