

Task for full committee is to concentrate on structures

- ① Can improvements be made to the accounting impacts estimates of Ponds
- ② Terraces - how can we ignore tillage & cropping practices above the terraces themselves

Jim Koelliker of K-State is advising

(Refer to e-mail for outline numbers as written below)

- 1- Potential Data Sources - Federal Task
- 2- Non-Federal Reservoirs - State Task
  - KS - Satellite Data processing
  - to see if some are still functioning
  - to see if some are not

NE - improved location  
- sending survey crew as needed

CO - jurisdictional & non-jurisdictional  
("live stock water tank")

Area-Capacity Table Questions - is evap. adequate for determining the actual impact (evap.) Shouldn't the previous use, cropland/grass land be subtracted from the evap. to see the  $\Delta$  in consumption

3- Land Terrace Info. - not enough detail in existing

NRI - problem is a sample, so its ok on basin level, does it break out the type of terrace

Derrel Martin - aerial photos for NE, how much \$ for KS  
Mike Thompson - ask Derrel if NRCS has any records

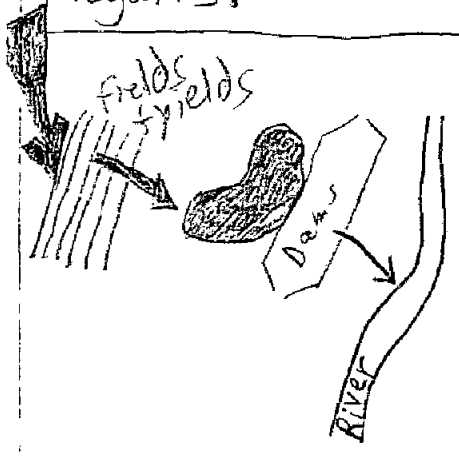
KS - east = open terrace west = closed terrace, can you tell on photo which is open & which is closed?

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classify & list & define terrace types

Attending: Dave B.  
Mike T. Steve G.  
Megan S.



Est. Terrace Acres	{	160,000 CO
	{	900,000 KS
	{	700,000 NE

[3] cont. - When it rains - where does the water pond?

[4] SSURGO & STASGO → CO + Part of KS  
NE + Part of KS

[5] Aquitards & Aquicludes - Ask committee on when or why. or We don't have it anyway.

[6] - Slopes & Topo. characteristics

NE - dens & TVs 1:24000  
KS - dens scales?

c- Topo. characteristics - Geomorphology  
- NE has coarse data

[7] - <sup>streamflow</sup> Rely on model inputs  
- streamflow broken into base flow - Dave B. will wrap it.

[8] - <sup>precip.</sup> Model Weather Station Info. - someone needs to characterize what was used & not used. Dave B. will do.

[9] - Evapo/Transpiration  
Step 1 - characterize the work done by the modelers

~~Phreatophytes~~ What does this have to do with ponds & terraces

- a.) climatic data
- b.) Pan Evap
- c.) RRCA Model

Crop sym <sup>KS</sup> Koelliker, James K - State  
Could summarize the work done by modelers

10: Landuse / Landcover

★ a. Past Cropping Patterns - NASS - model  
Mike Thompson - NECD & LULC

b. Current Cropping Patterns - NASS

NE - 1970's - <sup>180's</sup> Crop distribution  
County by County Land Use / Landcover

KS - Satellite Imagery & Photos  
for a single year, mostly in NE,  
by Kansas was partially covered  
KU - KARS land cover database

c. Future? Who knows?

★ d. Tillage Practices -  
Mike T. ask Derrell about this - County Extension  
agents & researchers.

Make list & explain

★ Categories ecofallow, no-till, conventional till, ridge till

Wrap Up -- categorize & characterize what data we have  
as listed on out line.

October 24<sup>th</sup> 2:30 PM central Mtn