

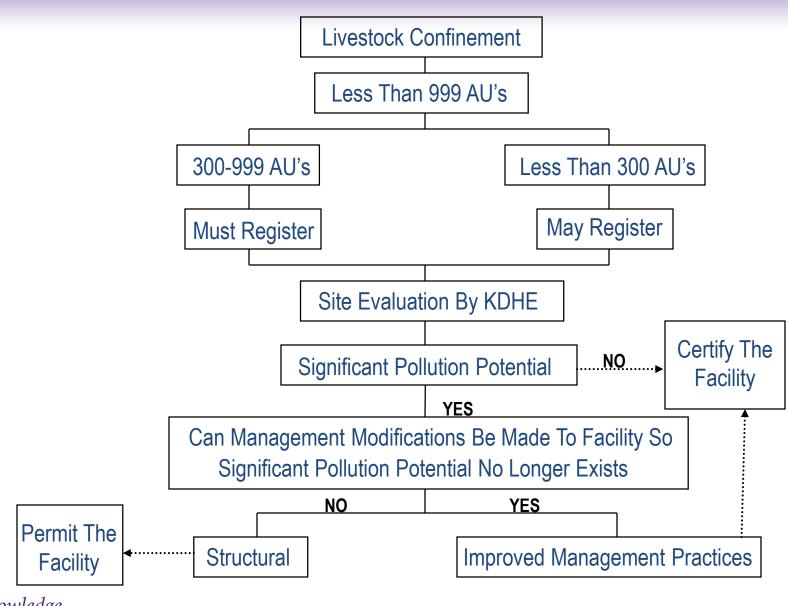
Considerations for New and Expanding Confinement Facilities

Joe Harner & Watershed Specialists

Water Quality Professional Development October 4-5, 2016



Facility Compliance Process



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search and Extension



- Over 1,000 AU, or 300 AU and discharges through a manmade device
- Has a lagoon, pit, or tank for waste storage
- Has a classified stream or a channel with frequently or occasionally flooded soils through or adjacent to pens
- Uses improper waste collection, handling, or disposal
- Has daily discharge

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Feedlot Capacity

- Cattle > 700# --- 1.0 Animal Units
 < 700# --- 0.5 AU
- Mature Dairy Cows --- 1.4 AU
- Hogs > 55# --- 0.4 AU
 < 55# --- 0.1 AU
- Sheep/Goats --- 0.1 AU
- Horses --- 2.0 AU







- Occasionally Flooded
- Frequently Flooded
- Web Soil Survey -(<u>http://websoilsurvey.nrcs.usda.gov/app/Web</u> <u>SoilSurvey.aspx</u>)

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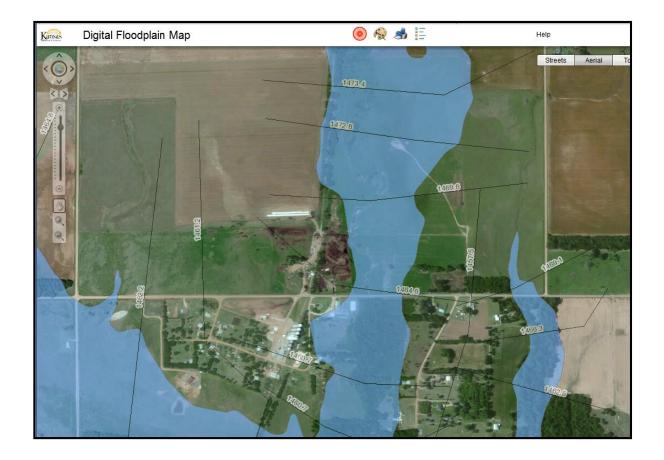
Search		_	
Constant Co	Legend		8 8
map onic	Legend		©
Reno Co	unty, Kansas (KS155)		8
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
5800	Kanza-Ninnescah sandy Ioams, frequently flooded Mahone Ioamy fine sand, rarely flooded	13.2 2.1	
5956	Shellabarger sandy loam, 1 to 3 percent slopes	47.2	69.5%
	Zellmont and Poxmash sandy loams, 0 to 3 percent slopes	5.5	8.1%
Totals for	r Area of Interest	67.9	100.0%

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Flood Plain

http://gis.kda.ks.gov/ksfloodplain/

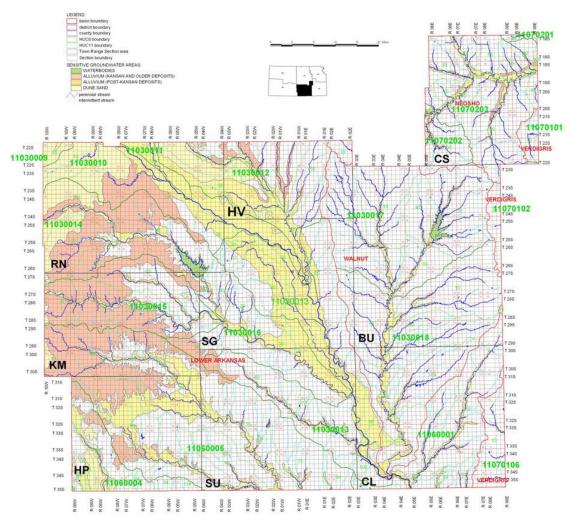


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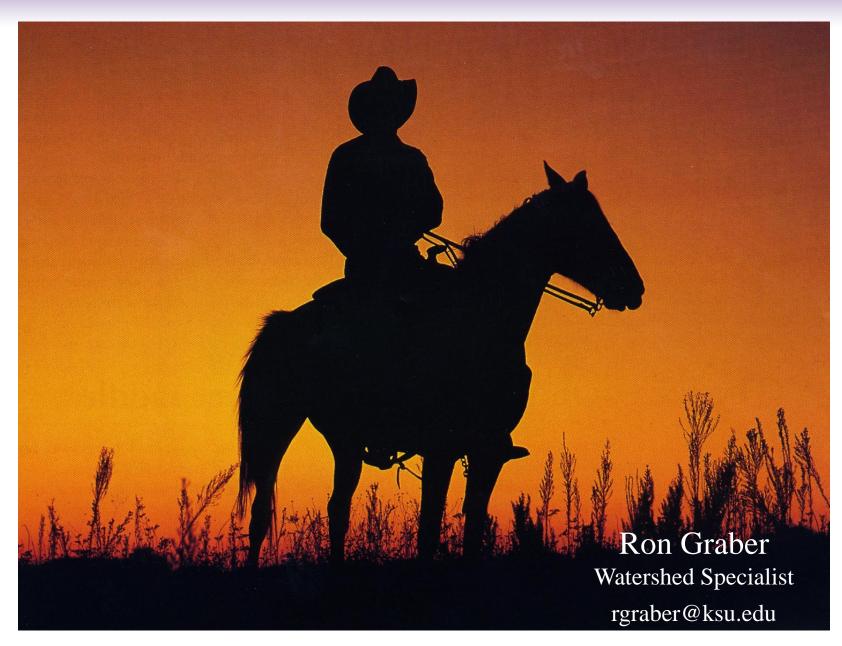
Sensitive Groundwater Areas

 http://www.kdheks.gov/feedlots/download/S ensitiveGWAreas.pdf



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