Ag Workgroup: Developing Population Estimates

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GIS Analysis (SELECT)

Best Available Data Research NASS NLCD US Census Other Local, State, and Federal Datasets

GIS Analysis

Subwatershed boundaries Land Cover/ Land use Soils Livestock & Wildlife Populations Human Populations Bacteria Loading Rates

Stakeholder Input

Landowner practices Local knowledge

Total Potential Loading









Stocking Rates

- 258,820 acres of hay/pasture
- ⊙ 101,685 acres of rangeland
- Stocking Rates
 - Pasture: 3-5 acres/animal unit
 - Range: 10-12 acres/animal unit





Low Stocking Rates = 60,237 AUs 5 acres/AU & 12 acres/AU



High Stocking Rates = 96,442 AUs 3 acres/AU & 10 acres/AU

Recent USDA NASS statistics ~ 72,182 Head



Questions

What percentage of these acres are actually grazed? (especially in the northern subwatersheds 1-9)

Which stocking rates should we apply?

Are there other managed livestock we should estimate and include in the WPP?

Agricultural Management Measures and Technical Resources





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Potential Livestock Voluntary Management Measures:

- 1. Promote, Develop, and Implement Certified WATER QUALITY MANAGEMENT PLANS (TSSWCB)
- EDUCATION Lone Star Healthy Streams; Riparian and Stream Ecosystem Education Program; Other workshops (AgriLife Extension)





Potential Wildlife Voluntary Management Measures:

- Promote Technical Assistance and Direct Operational Assistance to Landowners for FERAL HOG CONTROL (Texas Wildlife Services, AgriLife Extension)
- 2. Promote **Wildlife/Habitat Management Plans** and work with lessees to fence off and/or locate supplemental feeders away from riparian areas (TPWD)



