



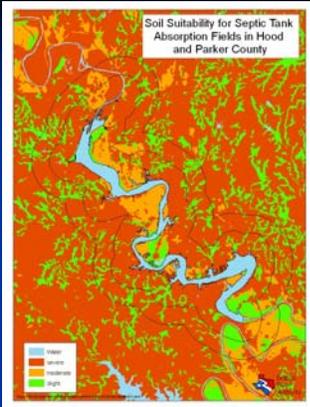
Brazos River Authority

Land Use Study

Presented by Tiffany Morgan

Land Use Study

- Assessed 2-mile buffer around lake
- Hood County Appraisal District Subdivision Data
- Suitability of soil types for septic tanks by subdivision
- Subdivision Age
- Subdivision Sewage Disposal Method



- 69% Severe
- 13% Moderate
- 18% Slight

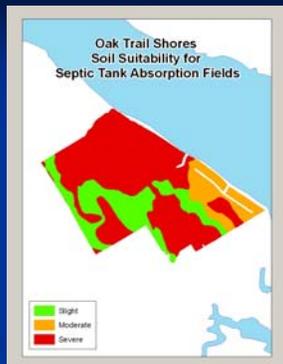
Septic Tanks Soil Suitability Rankings

- Slight – soils are generally favorable for use
- Moderate – soil properties are unfavorable for use, but limitations can be overcome by special planning and design
- Severe – soil properties are so unfavorable and difficult to overcome that major soil reclamation, special designs, and intensive maintenance is required

Oak Trail Shores

- Subdivision Age – 39 yrs
- Sewage Disposal – Septic Tanks
- WQ Data
 - 1 site borderline impairment

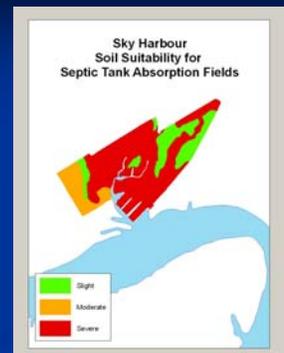
Soil Suitability	Percent
Slight	24%
Moderate	12%
Severe	64%



Sky Harbour

- Subdivision Age – 37 yrs
- Sewage Disposal – Septic Tanks
- WQ Data
 - 1 site borderline impairment

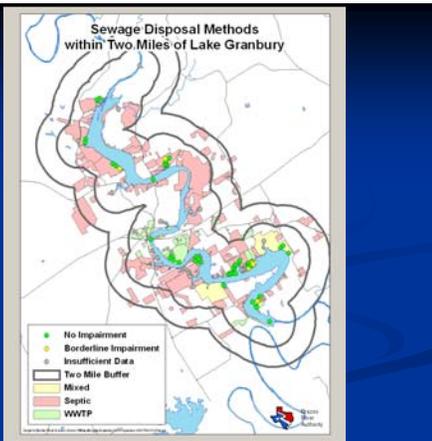
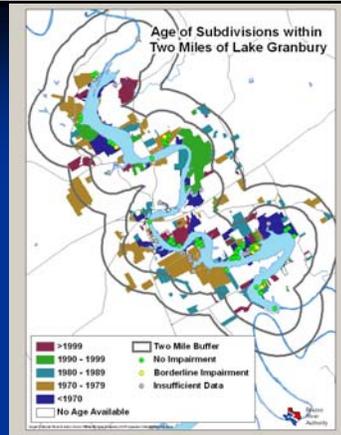
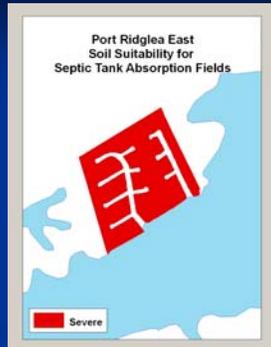
Soil Suitability	Percent
Slight	21%
Moderate	13%
Severe	66%



Port Ridglea East

- Subdivision Age – 35 yrs
- Sewage Disposal – Septic Tanks
- WQ Data
 - 4 sites - borderline impairment

Soil Suitability	Percent
Slight	0%
Moderate	0%
Severe	100%

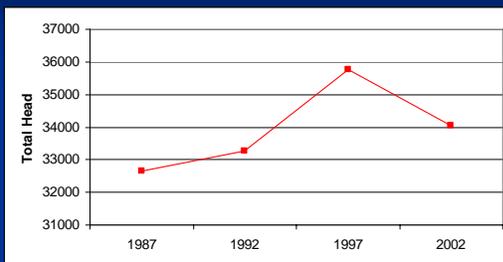


Hood County Population Counts

Category	Population	Percent of Total Population
Human	47,627*	51%
Dogs	3,489**	4%
Cats	3,491**	4%
Cattle	30,059***	32%
Horses	1,889***	2%
Swine	123***	<1%
Goats	4,000***	4%
Sheep/Lambs	606***	<1%
Chickens	1,386***	1%
Domestic Ducks/Geese	119***	<1%
Domestic Turkeys	138***	<1%
Emus	28***	<1%

*Chamber **American Veterinary Medical Association ***Agricultural Census, USDA

Hood County Livestock Trends*



*hogs, cattle, horses, poultry, and sheep

Summary

- Within two-miles of the lake:
 - Dominant Land Uses
 - Single family residential – 32%
 - Rangeland – 30%
 - Cropland/Pasture – 28%
 - Soil Suitability is dominantly severe – 69%
 - Dominant subdivision sewage disposal method is septic systems – 76%
 - Approximately half of the subdivisions were developed prior to 1980 – 48%

Conclusions

- Humans account 54% of the total mammal/avian population of Hood County
- Livestock populations in Hood County are slowly declining
- Human population is increasing
- Urban/suburban land use is increasing
- Current areas of concern are dominated by:
 - Single-family residential land use
 - Septic Systems for waste management
 - Soils not desirable for septic systems

Next Steps

- Data will be utilized and expanded upon by the modelers
- When 2007 Aerial Photography is made available by NCTCOG (expected late summer of 2007) we will revisit land use analysis

Resolution

BE IT RESOLVED by the Lake Granbury Watershed Protection Plan Stakeholders Group that the land use analyses as presented and discussed on May 10, 2006, September 28, 2006 and February 13, 2007 are acceptable to the Stakeholders Group and no additional analyses will be performed until 2007 NCTCOG aerial photography is available.