



Brazos River Authority

BMP Workshop



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Management Measure Selection

- January 22, 2009 - Stakeholders selected sources that they directed project team and smaller, select group of stakeholders to identify management measures that will address the sources
- February 13, 2009 – BMP Workshop held to identify all possible management measures that could address sources
- February 13, 2009 to Present - Project team has been evaluating each management measure based on:
 - Impact on Water Quality
 - Time to implement
 - Cost Effectiveness
 - Availability of funding



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Workshop Participants

- City of Granbury
- AMUD
- Hood County Health Department
- Lee Overstreet
- USDA-NRCS
- Texas AgriLife Research
- Espey Consultants
- BRA staff



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Workshop

- EPA requires that all possible management measures be identified and evaluated
- Work Group
 - Brainstormed all possible management measures for each source type selected
 - Lake-wide
 - Area specific
 - Did not consider feasibility when generating management measures list

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Lake-wide Management Measures

- Human (septic)
 - Education
 - Conventional application
 - Surface application
 - Regional Collection System
 - Education for home inspectors
 - Annual waste manifest record review for septic haulers
- Pet, Waterfowl, and Wildlife Waste
 - Education
 - Local ordinances prohibiting feeding of wildlife and waterfowl
 - Feral Hog Education Program
 - County wide bounty program for feral hogs
 - Deter roosting by birds under bridges

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Lake-wide Management Measures

- Livestock
 - Education
 - Range management/pasture management
 - Alternative water sources
 - Filter strips
 - EQUIP Program
- Nutrient/Pesticide
 - Urban education on fertilizer application
 - Urban education on pesticide application
 - Education on fertilizer types, alternatives and what is best for water quality

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Rolling Hills Shores Management Measures

- Human (septic)
 - Package treatment facility
 - Mini-wastewater treatment facility
 - Cluster system
 - Holding tank pump-out record review by Hood County Health Department
- Cattle/Deer Ranching
 - Education
 - Filter strips
 - Game ranch – grass buffer should naturally improve over time as deer feed and reduce brush
 - Alternative water sources
 - May already be present

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Rolling Hills Shores Management Measures

- Cove Dynamics
 - Dredging
 - Fill
- Property buy-out

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Long Creek Management Measures

- Human (septic)
 - Package treatment facility
 - Mini-wastewater treatment facility
 - Cluster system
- Livestock
 - Alternative water sources
 - Filter strips
 - Small acreage land owner education
 - Area Conservation Plan

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Oak Trail Shores Management Measures

- Human (septic)
 - Gray water education
 - Educational material in Spanish
 - New HOA rules requiring reporting to Hood County Health Department for additions and add-ons based on Comanche Cove/Indian Harbor HOA rules
 - HOA enforce existing restrictions for single family residence only
 - Regional collection system
- Canal Dynamics
 - Open up canals to create a u-shape that will allow flow through the system
 - Fill ends of canal to reduce length
 - Re-route drainage from subdivision to create flushing effect in canals

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Sky Harbor Management Measures

- Human (septic)
 - Regional collection system
 - Septic education
- Cove Dynamics
 - Re-circulation
 - Fountains
 - Catchment basin
- Livestock
 - Education
 - Range management education
 - Area Conservation Plan

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Nassau Bay Management Measures

- Human (septic)
 - Regional collection system
 - Septic education



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Waters Edge Management Measures

- No specific management measures
- Lake-wide measures will address subdivision needs
 - Pet, Waterfowl, and Wildlife Waste
 - Nutrient/Pesticide



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Indian Harbor Management Measures

- Human (septic)
 - Regional collection system
 - Septic education
- Livestock
 - Education
 - Range management education
 - Area Conservation Plan
- Cove Dynamics
 - Re-circulation
 - Fountains
 - Catchment basin



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Port Ridglea East Management Measures

- Human (septic)
 - Regional collection system
 - Septic education
 - Septic Maintenance Pump-out Pilot Project
- Livestock
 - Small acreage land owner education
 - Area Conservation Plan – ranchettes in the area
- Cove Dynamics
 - Circulation systems



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Blue Water Shores Management Measures

- Human (septic)
 - Evaluate collection system for leaks
 - Repair if needed
 - Septic education for adjacent communities and Purple K Campground