

# Lake Granbury WPP - Comments on WPP Draft #2

Stakeholder Meeting  
January 14, 2010

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## What are we commenting on?

- All sections now have draft text
- Front matter sections were re-ordered and revised to more concisely get to the point
- New sections: Management Measures, Education Plan and Milestones

Provide input today, or send text edits to Tiffany or Tim

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- 2 - Lake Granbury Watershed Overview
- 3 - LGWPPSC – Lake Granbury Watershed Protection Plan Steering Committee and project team
- 4 - Bacteria Source Identification

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  - A - LGWPPSC Bylaws
  - B - Land use summary
  - C - Data collection
  - D - SELECT modeling
  - E - Lake/cove modeling
  - F - Management measure evaluation

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## If you read nothing else...

- Executive summary
  - Concise bullet point summary of WPP activities
- 5.1 - Priority Management Measures
  - What you want to happen
- 7 - Milestones and Schedule
  - How you want to keep track of progress in meeting goals

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## Executive Summary – Bullets (pg 1-2)

Major findings and outcomes of this stakeholder-driven WPP development process are:

- Of numerous areas identified and 21 areas studied in detail by the stakeholders, 13 subdivision areas adjacent to the lake are targeted for specific future strategies to reduce bacteria load
- Around the lake, four subdivision canal areas consistently exhibit undesirable bacteria conditions and improvement strategies are prioritized for these areas
- Bacteria source identification methods were relied-upon, including land use analysis, watershed modeling and lake water quality modeling
- A single source of bacteria is not evident for all areas of the lake; aging septic systems are a primary potential source in many areas while other areas are susceptible to a variety of sources including septic system, wildlife and agricultural sources
- A bacteria (E. coli) goal was identified by the stakeholder group for water near each area: geometric mean less than or equal to 53 MPN/100mL

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## Executive Summary – Bullets (cont'd)

- Implementation strategies have been identified to achieve goals:
  - A watershed coordinator should oversee implementation of this WPP; the coordinator should be capable of identifying funding sources, summarizing monitoring, coordinating with local entities and assembling the stakeholders, as necessary
  - Regional collection and treatment of wastewater is preferred by stakeholders over onsite systems for areas surrounding Lake Granbury and within Hood County
  - Area-targeted educational programs should be pursued, including:
    - Septic maintenance, pets, greywater
    - Agricultural and small acreage land owners
  - Record-keeping for routine and scheduled maintenance activities for septic permit holders should be enforced
  - Home Owners Association (HOA) rules should require approval of health department prior to HOA approval of lot modifications (e.g., a larger septic system should be installed during construction of a larger house or addition to existing structures)
  - While measures to improve circulation within coves and canals may reduce bacteria concentrations and be beneficial to related water quality conditions, available funding sources should first target reduction of bacteria sources

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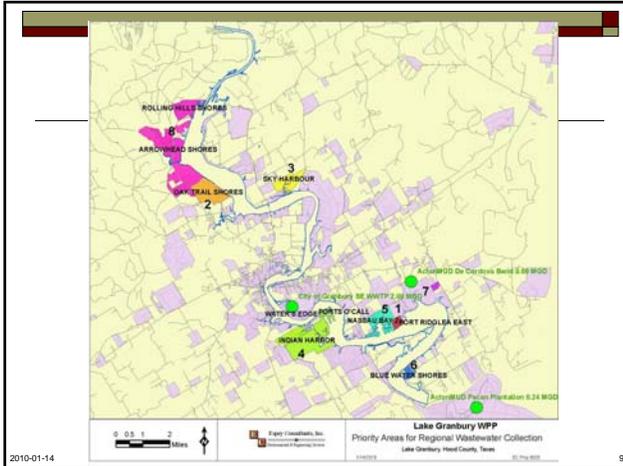
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## Priority Management Measures (pg 87-89)

- 1. Watershed Coordinator
- 2. Regional Wastewater collection and treatment
- 3. Pursue funding for all management measures
- 4. Implementation of Education
- 5. Support Health District record keeping and enforcement
- 6. Support HOA rules on home expansions
- 7. Implement regional collection
- 8. Improve cove circulation

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## Milestones and Schedule

- Annual group meeting
- Twice per year updates from Watershed Coordinator on WPP-related activities
- Measurable Milestones (pg 112)
  - Bacteria reductions:
    - Within 3 years of beginning education programs
    - Within 1 year of completion of any structural measure
  - Active pursuit of funding for priority management measures, and enactment of HOA rules or local ordinances

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## Milestones and Schedule

### Schedule – Education and non-structural measures

- Years 1 and 2 (pg 112-113)
  - Funding should be pursued for a dedicated Watershed Coordinator to help stakeholders implement strategies and identify funding as well as coordinate and facilitate stakeholder involvement and decision making.
  - Funding should be pursued to develop, implement and continue the educational components, including post-education follow-up surveys. Educational programs should begin in year 1, and may include a dedicated Education Coordinator staff member.
  - Educational programs are developed for water fowl and wildlife feeding.
  - Adopt/update county order to require pump-out records be submitted annually to the Hood County Health District for all holding tanks in the Lake Granbury flood plain.
  - Health District can establish and maintain a database of inspections and activities.
  - Funding should be pursued to implement structural management measures.
- Long-term
  - Continue education efforts and pursuit of funding until goals are achieved.

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## Milestones and Schedule

### Schedule –Structural measures (pg 113-114)

- Years 1 and 2
  - Funding opportunities should be pursued for structural implementation measures, with concentration given to priority areas.
  - Funding opportunities should be pursued specifically for priority areas, to allow for mid-term implementation.
    - Port Ridgela East
    - Oak Trail Shores
    - Sky Harbor
  - Conduct field evaluation to identify or rule out sources of bacteria near Blue Water Shores.
- Years 3 through 5
  - Implementation of structural measures in priority area Port Ridgela East to complement existing funded measures.
  - Outline a plan for implementation of structural measures in priority areas surrounding Oak Trail Shores and priority areas surrounding Indian Harbor. The plan should identify responsible or sponsoring entities (e.g., utility district, non-profit corporation or private corporation) and should include preliminary drawings, specifications and cost estimates as appropriate. Pursue funding for these plans.
  - Implementation of range and acreage landowner management initiatives, particularly in Sky Harbor, Long Creek and Walnut Creek watersheds.
- Long-term
  - Continue pursuit of funding for any un-implemented measures.
  - Implementation of structural measures in areas surrounding Port Ridgela East.
  - Implement sewage collection and treatment in all priority areas.

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## Next Steps

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- February 2010 - WPP Draft #3
- February 18?, 2010 - Meeting 3
  - Discuss comments on priority measures
- March 31?, 2010 - Draft Final WPP report for signatures

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## Questions or Comments?

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