



Brazos River Authority

Stakeholder Goals



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Why we need goals defined by the stakeholders?

- We need to have the desires of the stakeholders well defined
- Knowing what the local community views as desirable water quality is necessary for modeling, BMP identification and load reduction identification
- Want stakeholders to be supportive of plan and implementation strategies



Brazos River Authority Goals Established by Intergovernmental Coalition

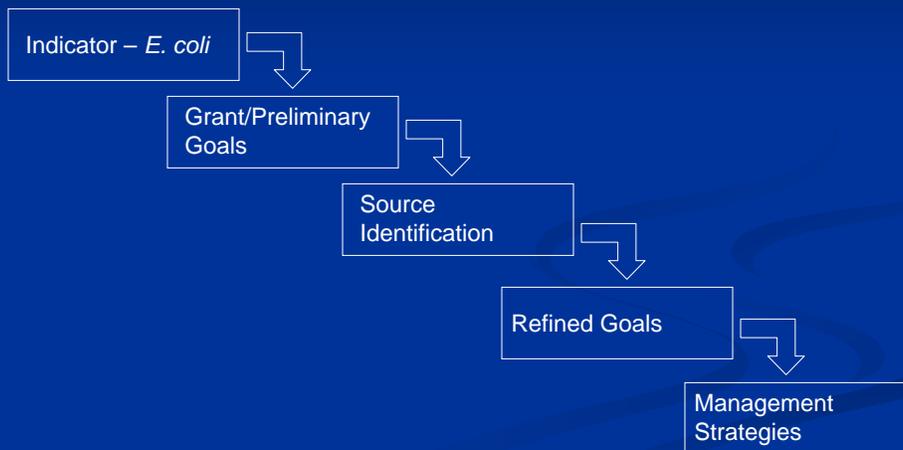
- Lake to meet bacteria water quality standards at all locations
- No canal with a geometric mean greater than 60 mpn/100ml
 - Based on maximum value observed at other all lakes the Authority monitors excluding Granbury

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Brazos River Authority How Goal Setting will Work?



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Example Preliminary Goals

- Meet contact recreation standards for bacteria in mainbody of lake
- Meet contact recreation standards for bacteria in all canals of the lake
- Reduce average bacteria in canals to concentrations below __MPN/100mL
- Reduce percent exceedence of one time maximum standard to __%
- Conduct education outreach on environmental issues

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Example Refined Goals

- Reduce residential bacteria loads by __%
- Reduce livestock bacteria loads by __%
- Conduct education outreach on septic tank maintenance to all residents within 2 miles of the lake
- Conduct education outreach to livestock producers
- Develop local ordinances banning the feeding of wildlife

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Potential *E. coli* Goals

- All potential *E. coli* goals calculated using compilation of data from coves with no concerns or borderline concerns
- Geometric mean < 18 MPN/100ml and percent exceedence <4%
- 25th Percentile – Geometric Mean = 6
- 50th Percentile – Geometric Mean = 18
- 75th Percentile – Geometric Mean = 53

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Stakeholder Preliminary Goals

- Reduce and/or maintain bacteria geometric mean concentrations in the canals below 53 MPN/100mL
- Reduce and/or maintain bacteria percent exceedence in the canals below 5%

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Nutrients?

- Modelers presented concerns for nutrient and chlorophyll a concentrations that may lead to eutrophication of the lake
- Nutrients are not currently included in the grant from EPA
- Maybe hard to get support from EPA to amend grant and provide additional funding because nutrients are not identified as a parameter of concern for Lake Granbury in the 2006 State Water Quality Inventory
- Nutrient standards currently being developed for nutrients and chlorophyll a will be implemented soon

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Approve Goals

BE IT RESOLVED by the Lake Granbury Watershed Protection Plan Stakeholders Group that the preliminary goals as discussed on May 22, 2007 and represented on slide number 8 are approved as written.

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