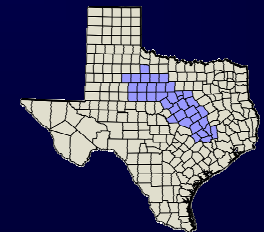


Agenda Item 7.7
Selection of Key Water Quality
Parameters

October 20, 2004

BRAZOS G
WATER PLANNING GROUP

HDR



Today's Presentation

- ✓ **Background – why are we selecting “key water quality parameters”?**
- ✓ **Present proposed parameters**
- ✓ **Discussion**
- ✓ **Decision – today or December 8, 2004**

Background

Regional Water Planning Guidelines 357.7(a)(12)

Regional water plan development shall include a description of the **major impacts of recommended water management strategies** on **key parameters of water quality** identified by the regional water planning group as important to the use of the water resource and **comparing conditions with the recommended water management strategies to current conditions** using best available data.

Background

From Scope of Work:

“In consultation with the BRA and TWDB, HDR will develop a list of potential water quality parameters that should be evaluated relative to the recommended water management plans. The proposed list will be presented to the RWPG. After the RWPG adopts key water quality parameters, HDR will make a comparison of current water quality conditions compared to possible conditions with implementation of the water management plan.”

Proposed Key Water Quality Parameters (1)

Key Parameters of Water Quality

Pursuant to Texas Surface Water Quality Standards Chapter 307

(see handouts from TCEQ website)

Criteria:

Chlorides

Sulfates

Total Dissolved Solids (TDS)

Dissolved Oxygen (DO)

pH Range

Indicator Bacteria (*E. coli* or fecal coliform)

Temperature

Nitrates

Uses:

Recreation

Aquatic Life

Domestic Water Supply

Agriculture

Proposed Key Water Quality Parameters (2)

Other parameters:

Total phosphorous (North Bosque watershed)

Nitrogen, ammonia, total (North Bosque watershed)

Discussion
