

Potential Revisions to Water Quality Standards for the Atascosa River

Federal Clean Water Act

The Objective of the Act:

To restore and maintain the chemical, physical and biological integrity of the Nation's waters

Federal Clean Water Act

Interim Goal of the Act:

Water quality which provides for the protection and propagation of fish, shellfish and wildlife and provides for recreation in and on the water – where attainable

Commonly called the “fishable/swimmable” goal

Federal Clean Water Act

Water Quality Standards

A water quality standard is defined as the designated beneficial uses of a water segment and the water quality criteria necessary to protect those uses

Uses include water supplies, propagation of fish and wildlife, **recreation**, agricultural uses, industrial uses, and navigation

EPA Regulations

Existing Use

Those uses actually attained in the water body on or after November 28, 1975, whether or not they are currently being attained

Existing use, if known, should be the designated use – if not known, a presumption can be made for the designated use (e.g., aquatic life use based on water body type)

Uses for Atascosa River

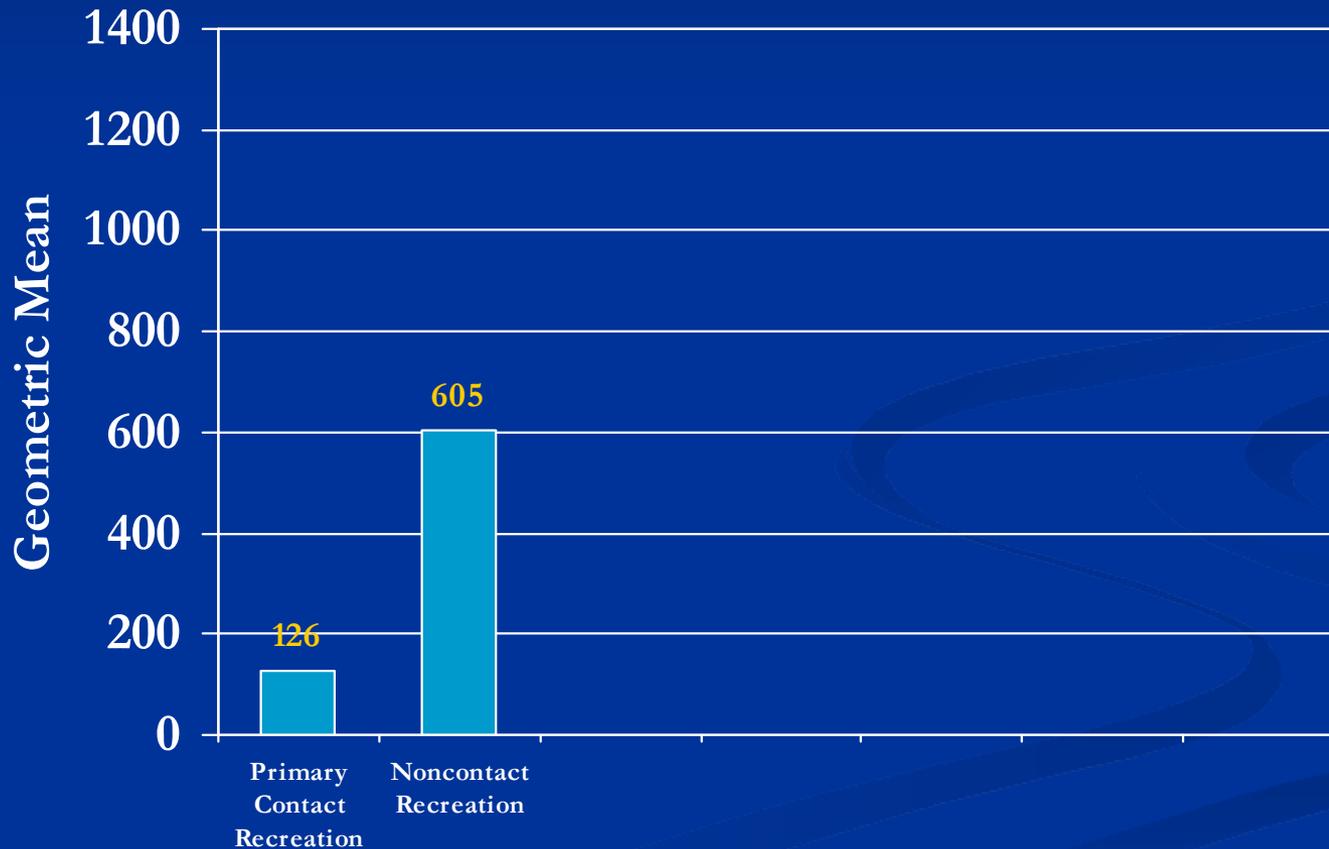
- general criteria: aesthetics, toxics, nutrients, etc.
- presumed high aquatic life use based on flow status of the two creeks
- contact recreation

Recreational Criteria

Bacteria

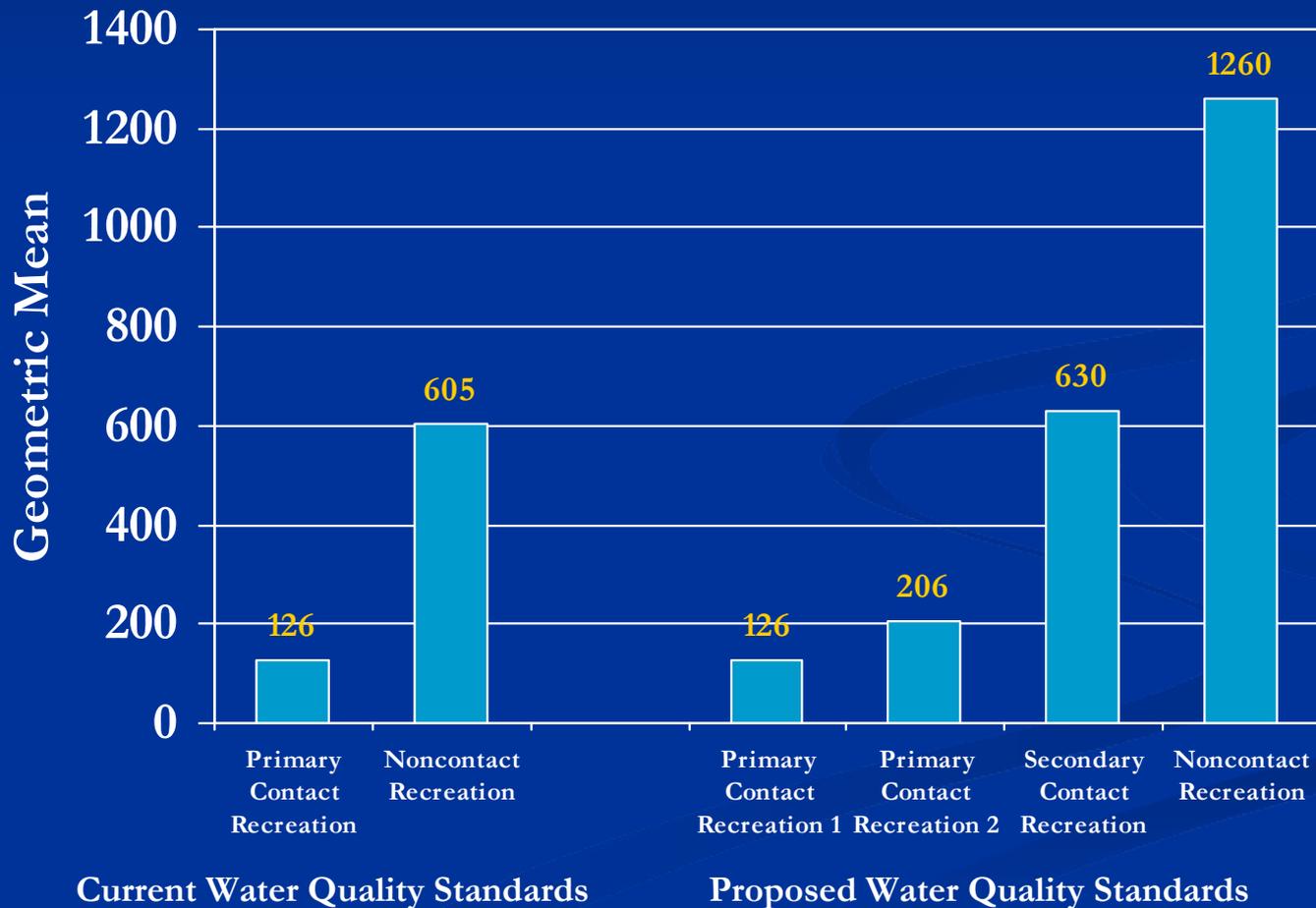
- proposed recreational use re-categorization based on water body type, would not require additional justification
- potential effects on bacteria listings

Recreational Criteria Bacteria



Current Water Quality Standards

Recreational Criteria Bacteria



EPA Regulations

Use Attainability Analysis (UAA)

An existing use can not be removed, but a designated use that has not been attained may be removed or modified

A UAA is a structured scientific assessment of the factors affecting the attainment of the use which may include physical, chemical, biological and economic factors

UAA

Potential reasons for lowering a use (or associated criteria):

- ◆ Naturally-occurring substances
- ◆ Natural low flow conditions or water levels
- ◆ Human-caused conditions that cannot be remedied

Potential reasons for lowering a use (cont.):

- ◆ Hydrologic modifications (dams, intakes, etc.)
- ◆ Physical conditions of the water body
- ◆ Tighter controls would result in substantial economic and social impact