

1-15-09

**Texas Instream Flow Program  
Lower Sabine River Study Design Workgroup**

**Objectives**

<b>Biology</b>
<ul style="list-style-type: none"><li>• Maintain and/or improve sustainable native biological communities/habitats</li><li>• Control invasive and non-native species that threaten the function of the aquatic and terrestrial ecosystems</li></ul>
<b>Hydrology / Hydraulics</b>
<ul style="list-style-type: none"><li>• Manage flow regimes which accommodate human needs while sustaining river and floodplain ecosystems</li></ul>
<b>Water Quality</b>
<ul style="list-style-type: none"><li>• Maintain/improve the water quality for the benefit of biological communities and human needs</li></ul>
<b>Geomorphology</b>
<ul style="list-style-type: none"><li>• Protect/enhance current fluvial geomorphologic processes that create natural habitat</li></ul>
<b>Connectivity</b>
<ul style="list-style-type: none"><li>• Maintain/improve hydrologic connectivity needed to sustain floodplain and wetland areas (i.e. bottomland hardwoods, swamps, emergent marsh, oxbows, yazoos)</li><li>• Ensure that studies are not conducted in a vacuum that ignores other needs such as bays and estuaries</li></ul>

**Other Objective**

The following objective (separate from a discipline) was agreed to by the group:

- Consider/ study impacts of floodplain development in riparian zone