Collect and Evaluate Baseline Information

1. Completed Studies
- GIS Database of Historic Data/Studies
- Assessment of Hydrologic Alteration Software
- Supplement Existing Biological Data
- Geomorphic Classification
- Analysis of Existing Biological Data
- Evaluation of Geomorphic Equilibrium
- Mussel Survey

2. Ongoing Studies
- Large Woody Debris
- Geomorphic Units
- Mussel Habitat
- Riparian Study Methods
- Historic FEMA/HEC-RAS X-S
- USGS Streamgaging X-S

http://www.twdb.state.tx.us/instreamflows
GIS Database of Historical Data

SRA-TX
October 2005
Supplement
Existing
Biological Data

SRA-TX & TPWD
February 2007
Analysis of Existing Biological Data

Bonner, TSU
July 2007
Substrate and Hydrodynamic Conditions of Mussel Beds

Kennedy, UNT
December 2008
Riparian Area Survey Methodology

Williams & McBroom, SFASU
April 2009
Geomorphologic Classification
Phillips & Slattery, TCU
June 2007

<table>
<thead>
<tr>
<th>Geomorphic Process Zones</th>
<th>SRA-TX Mileage</th>
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<tbody>
<tr>
<td>Toledo Bend</td>
<td>146-131</td>
</tr>
<tr>
<td>Burr Ferry</td>
<td>131-91</td>
</tr>
<tr>
<td>Bon Weir</td>
<td>91-70</td>
</tr>
<tr>
<td>Big Cow Creek</td>
<td>70-54</td>
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<tr>
<td>Shoats Creek</td>
<td>54-29</td>
</tr>
<tr>
<td>Cutoff Bayou</td>
<td>29-0</td>
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</tbody>
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Legend:
- Geology
- Valley confinement
- Network
- Slope
- Paleomeanders
- Point bars
- Sinuosity

Map showing Toledo Bend, Burr Ferry, Bon Weir, Big Cow Creek, Shoats Creek, Cutoff Bayou, and Sabine Lake.