



## Brady Creek: Watershed Protection Plan

<b>Water Body</b>	Brady Creek (Seg 1416)
<b>Location</b>	McCulloch, Concho, Menard, and San Saba Counties
<b>River Basin</b>	Colorado River (14)
<b>Contractor</b>	Upper Colorado River Authority (UCRA)
<b>Project Period</b>	April 27, 2010 to August 31, 2013
<b>Project Total</b>	\$340,328 (Federal 52%, State 14%, and Local Match 34%)

### Background

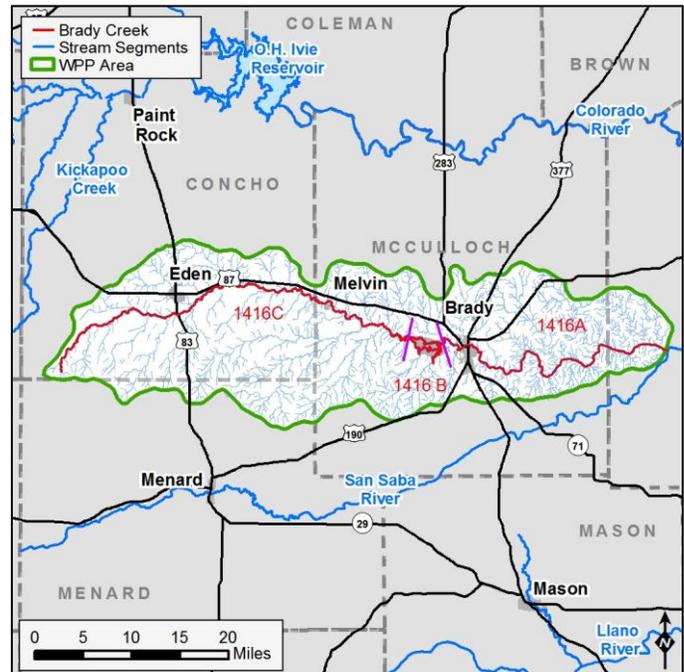
Brady Creek originates in Concho County and flows through Eden, Melvin, and the City of Brady before its confluence with the San Saba River. The Brady Creek Watershed encompasses almost 513,000 acres, with the majority of the watershed utilized for agricultural production.

Brady Creek has been impaired since 2004 for not meeting the State's dissolved oxygen criteria within the urbanized area of the segment. Since the construction of Brady Lake in the 1960's, absence of scouring stream flows and perennial flows has resulted in the stream functioning primarily as a series of storm water ponds with intermittent stream flows. As a result, the stream often displays the characteristics of a eutrophic stream with prolific algae blooms, odors, and a generally unpleasant appearance. In addition, several fish kills were documented by the Texas Parks and Wildlife Department (TPWD) during the 1980s and 1990s. The primary reason for initiation of the Watershed Protection Plan (WPP) is to eliminate fish kills and deteriorating water quality conditions within the urban areas of Brady. Other concerns throughout the watershed are increased salinity in Brady Lake, brush infestation, and maintenance of flood control structures.

### WPP Development

The UCRA will complete a WPP for Brady Creek (Segments 1416A, B & C). The primary goal of the plan is to restore water quality within impaired segment and maintain the integrity of the remaining watershed.

The UCRA will refine the Brady Creek Watershed Characterization Plan produced by a previous 319 Grant Project by conducting water quality monitoring and modeling to further identify and quantify pollutant loading sources. BMPs identified in the Master Plan for the City of Brady will be prioritized and additional BMPs will be identified for the rest of the watershed. A schedule for implementing the BMPs and estimates



regarding the implementation costs and load reductions will be developed.

The goal of the WPP is to give stakeholders a strategy that will result in the maintenance and restoration of water quality conditions to meet the state's water quality standards for the water body's designated uses.

### Current Status

The draft WPP has been submitted to TCEQ for review. TCEQ review is ongoing at this time.

### Public Participation

The UCRA facilitated the re-initiation of the Brady Stakeholder Group that was activated during previous Clean Water Act Section 319 Grant Projects in the watershed. The Stakeholder Group consists of City of Brady leaders and residents, rural landowners and agricultural experts.

## For More Information

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### Upper Colorado River Authority Project Manager

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## Websites

<<http://www.ucratx.org/NPSBrady.html>>

## WPP Development Status

**Start Date:** September 2007

**Projected End Date:** August 2013

**TCEQ Approval:**

**EPA Acceptance:**

## WPP Highlights

- 11/2007 – The first Brady Creek Watershed Characterization meeting was held.
- 04/2010 – The Brady Creek Watershed Characterization Report was finalized.
- 04/2010 – The Brady Creek WPP project was initiated.
- 09/2010 – The monitoring quality assurance project plan (QAPP) was approved.
- 11/2010 – The Brady Stakeholder Group Kickoff Meeting was held. Meetings are held periodically as the project develops.
- 07/2010 – The modeling QAPP was approved.
- 11/2010 – Stakeholder meeting held.
- 11/2010 – Stormwater monitoring/equipment training held for City of Brady staff.
- 11/2010 – Ambient monitoring conducted at five sites.
- 12/2010 – Finalized Public Participation Plan.
- 12/2010 – Stakeholder meeting held in Melvin.
- 06/2011 – Ambient water quality data from 12/2010 thru 05/2011 submitted to TCEQ.
- 07/2011 – Stakeholder meeting held in Brady.
- 07/2011 – Modeling QAPP was approved.
- 10/2011 – Ambient monitoring conducted at five sites.
- 12/2011 – Education and outreach materials were purchased for the Brady Elementary Schools.
- 05/2012 – Ambient water quality data from 10/2011 thru 04/2012 submitted to TCEQ.
- 05/2012 – Stakeholder meeting held.
- 05/2012 – QAPP Amendment approved.
- 06/2012 – Final ambient water quality data submitted to TCEQ.
- 08/2012 – Stormwater training conducted for City of Brady staff.
- 02/2013 – Stakeholder meeting held.
- 03/2013 – Education curriculum distributed throughout Brady ISD.
- 04/2013 – Stakeholder meeting held.
- 08/2013 – Modeling efforts completed.
- 09/2014 – First draft of Watershed Protection Plan submitted. TCEQ review is ongoing.