

### 6.2.1 Project 1 - Beaver Creek Wetland Creation- North Wetland Project Summary

The Project Summary Sheets provided below were developed based on the actions or activities needed to achieve the Critical Area #2 goals in the Beaver Creek watershed.

**Table 22:** Project summary sheets for Critical Area #2 – Project #1: North Wetland Project.

Nine Element Criteria	Information needed	Explanation
	<b>Title</b>	<b>Beaver Creek Wetland Restoration and Creation-North Wetland</b>
<i>criteria 4</i>	<b>Project Lead Organization &amp; Partners</b>	Lead: Quapaw Nation
<i>criteria 3</i>	<b>HUC-12 and Critical Area</b>	Devils Hollow-Spring River watershed, HUC-12 (110702071004) – <i>Critical Area #2</i>
<i>criteria 3</i>	<b>Location of Project</b>	N 36° 57' 37"; W 94° 46' 52"
<i>n/a</i>	<b>Which strategy is being addressed by this project?</b>	Nutrient reduction in the Beaver Creek watershed: Decreasing total phosphorus concentrations, <i>E. coli</i> and Enterococci colony forming units, and maintaining or decreasing total nitrogen concentrations in order to attain beneficial uses.
<i>criteria 6</i>	<b>Time Frame</b>	Short (1 to 5 years)
<i>criteria 7</i>	<b>Short Description</b>	Construct an approximately 20-acre wetland along Beaver Creek to address excessive phosphorus loadings
<i>criteria 7</i>	<b>Project Narrative</b>	The predominant land use in this watershed is hay/pasture for cattle grazing. Runoff from livestock and the application of nutrients onto agricultural lands can cause elevated nutrient concentrations in Beaver Creek due to surface runoff. Therefore, creating a wetland in the northern headwaters of Beaver Creek, which is used for agricultural purposes, will provide a natural filter capable of retaining sediment and nutrient runoff that would otherwise enter Beaver Creek.
<i>criteria 4</i>	<b>Estimated Total cost</b>	\$785,000 to \$3,140,000 (see Attachment 2)
<i>criteria 4</i>	<b>Possible Funding Source</b>	<ul style="list-style-type: none"> <li>- USEPA §319</li> <li>- Oklahoma Conservation Commission</li> <li>- Bureau of Reclamation WaterSMART</li> <li>- The National Fish and Wildlife Foundation (NFWF)</li> <li>- USACE Tribal Partnership Program</li> </ul>
<i>criteria 1</i>	<b>Identified Causes and Sources</b>	Cause: Nutrient loading Source: Rural land use activities