

# Plum Creek Watershed Dam No. 5 Rehabilitation Project Hays County, Texas

**Fact Sheet**  
January 2014

## ***History of the Dam:***

Plum Creek Watershed Dam No. 5 is located inside the city limits of Kyle, Texas. The dam was constructed in 1963 by the Plum Creek Conservation District with the assistance of the Natural Resources Conservation Service (NRCS) Watershed Protection and Flood Prevention Program.

The dam is one of 18 dams in the Plum Creek Watershed project and was constructed to provide flood control.



Rehabilitation of the dam began in 2011 and was completed in 2012. The dam and impact basins after rehabilitation are shown in above photos.

## **Why Rehabilitate the Dam?**

The dam was originally designed as a low hazard dam in a rural setting with a 50-year design life. Urban development has occurred adjacent to the detention pool, auxiliary spillway and embankment area and downstream. The dam was reclassified as a high hazard dam which failed to comply with current dam safety and performance criteria.

## ***Rehabilitation Details:***

The height of the dam embankment was raised 3.5 feet; a new 24-inch hooded-inlet type principal spillway and impact basin were installed and a new impact basin was installed on the existing principal spillway outlet.

## ***Project Cost:***

The NRCS provided technical assistance and 65 percent of the design and construction cost. Project sponsors provided easements and land rights for the project and 35 percent of the cost.

The total cost of the rehabilitation project was \$1.23 million with NRCS providing \$800,000 and the Plum Creek Conservation District providing \$430,000. Federal funds for the project came from NRCS Small Watershed Program Rehabilitation funds.

## ***Benefits:***

Rehabilitation of the dam brought it up to current State dam safety criteria and extended its life and its benefits for another 100 years.

The dam will provide about \$215,000 in average annual benefits for reduced flood damages and will provide direct benefits to people downstream of the dam. The rehabilitation project not only provides direct benefits to the immediate area, but also provides resource conservation, economic benefits and public safety benefits that extend well beyond that area.

## ***Partners:***

Plum Creek Conservation District  
USDA Natural Resources Conservation Service

## ***For More Information Contact:***

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This fact sheet was developed for the USDA Natural Resources Conservation Service by the National Watershed Coalition. USDA is an equal opportunity provider and employer.  
January 2014

