June 24, 2024

The WCID board contracted the dam improvements proposed by the engineering firm back in 2019. The one area to build up is around the low flow pipe. The area around the low flow pipe has the largest slope and is the narrow part on the top of the dam. The back side of the dam around the low flow pipe is shown in figure 1 through 4. The front side of the dam around the low flow pipe is shown in figure 6. The WCID board received quotes from SRB in Colmesneil, TX and Kirkpatrick in Woodville, TX. The board evaluated both bids and the contract was awarded to SRB. SRB proposed building a rock wall above the low flow pipe and then adding dirt above it. The rock wall will hold the dirt better than just adding dirt and packing it down. SRB has also proposed building up the low area close to the spillway. SRB said that the low area was due to erosion and needed to be repaired. The board decided to go ahead with building up the low area as well. The low area is shown in figure 5. Just prior to getting the quotes for the work on the dam, pigs came out and damaged a large area on the front of the dam. The board decided to repair the hog damage shown in figure 4. The board also decided to add grass seed and erosion control mat on top of the work that was done. The work started on Monday June 24th, 2024 and SRB finished on Friday June 28th, 2024. SRB added 100 feet of dirt and rock wall behind the dam around the low flow pipe. 150 feet of dirt was added to the area close to the spillway on top and front of the dam and 300 feet around the low flow pipe and north to fix the hog damage. On Saturday June 29th, 2024, homeowners Greg Thompson, Cris Thompson, Buck Johnson, Britt Eisenring, Greg Askew and Tool, went out and installed 12,000 square feet of erosion control mat and grass seed on top of the work that done by SRB to prevent the dirt from eroding away from the rain. The total project cost was $31,700 dollars. Thanks to Greg Thompson for overseeing the project and thanks to all of the homeowners that helped install the grass seed and erosion control mat. Below is some pictures of the progress of the work before, before the erosion control mat was installed and after the job was completed.

Below are pictures before work was completed

Internal



Figure 1 - Back of the dam around low flow pipe facing South. Before work was done

Internal



Figure 2 - Back of the dam around low flow pipe. Before work was done



Figure 3 - Back of the dam around low flow pipe facing North. Before work was done



Figure 4 - Top of the dam around low flow pipe facing South. Before work was done

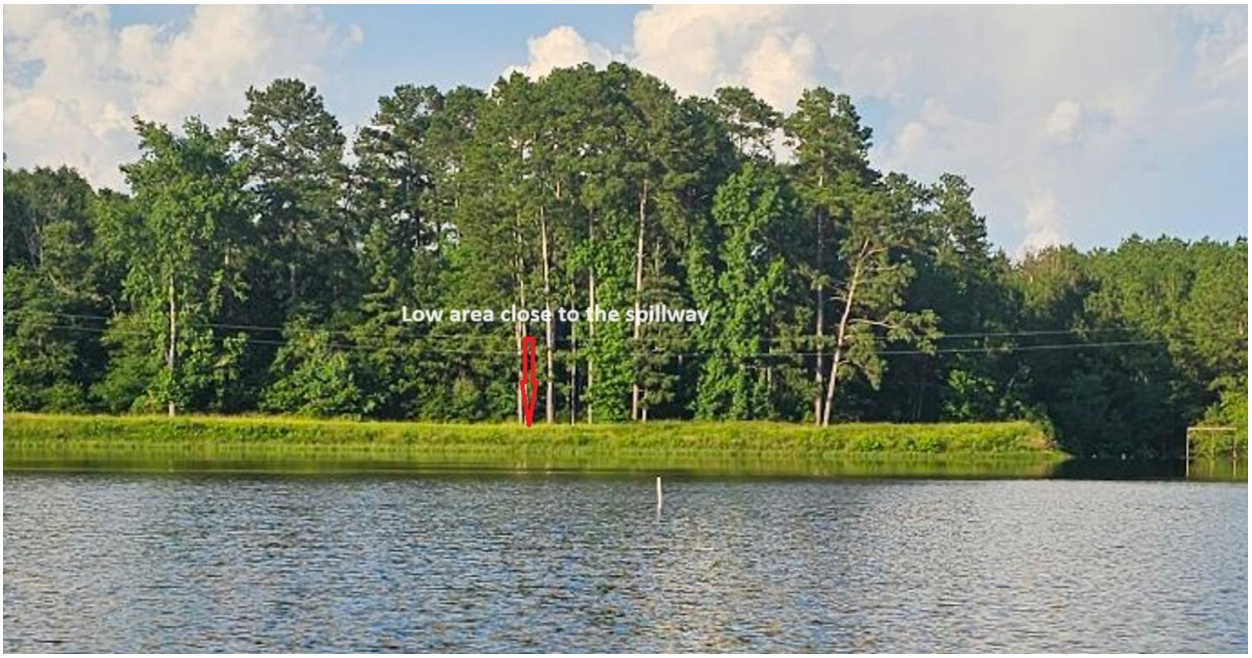

Figure 5 - Low area close to the spillway. Before work was done

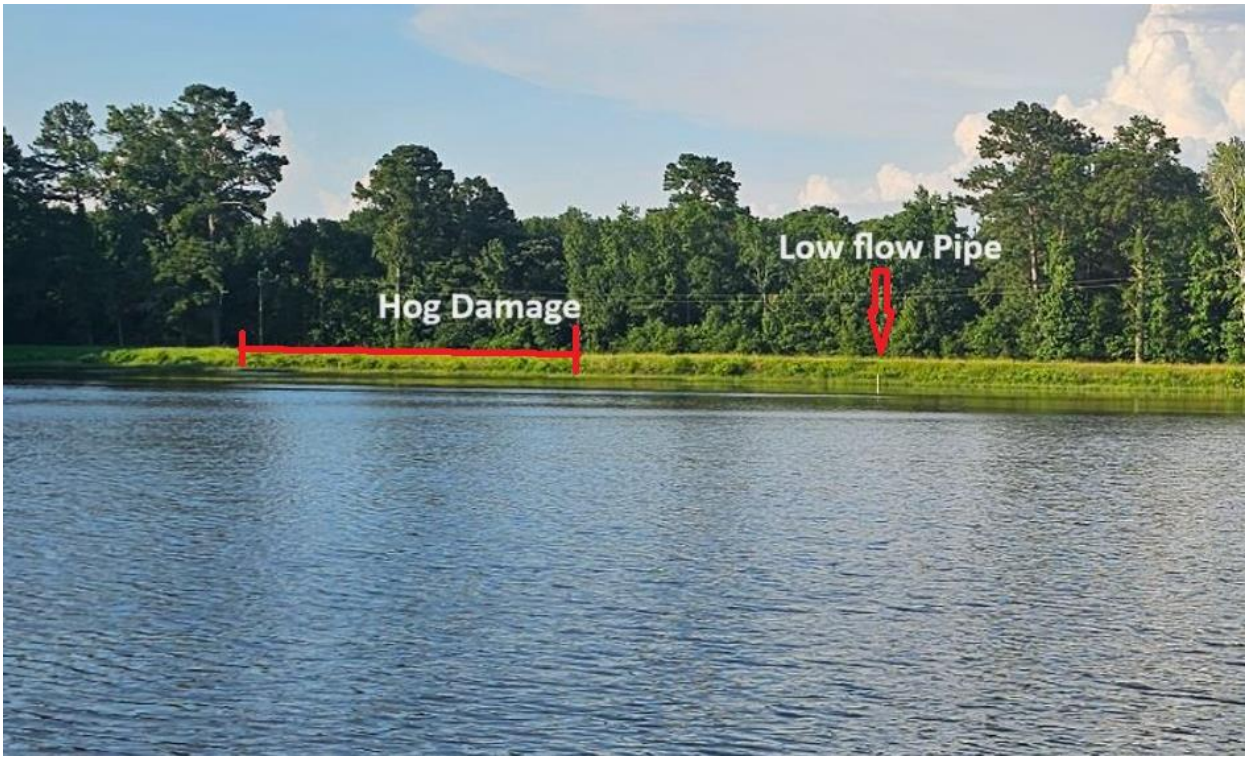

Figure 6 - Area around low low pipe and hog damage. Before work was done



Figure 7 - Hog damage facing South. Before work was done



Figure 8 - Hog damage facing South. Before work was done



Figure 9 - Hog damage. Before work was done



Figure 10 - Hog damage. Before work was done



Figure 11 - Hog damage. Before work was done

Before the erosion control mat was installed



Figure 12 - Low area close to the spillway Before erosion control mat



Figure 13 - Low area close to the spillway Before erosion control mat



Figure 14 - Low area close to the spillway Before erosion control mat



Figure 15 - Front of the low flow pipe and hog damage. Before erosion control mat



Figure 16 - Front of the low flow pipe and hog damage. Before erosion control mat



Figure 17 - Front of the low flow pipe and hog damage. Before erosion control mat



Figure 18 - Front of the low flow pipe and hog damage. Before erosion control mat

After the erosion control mat was installed



Figure 19 - Low area close to the spillway. After the erosion control mat



Figure 20 - Low area close to the spillway. After the erosion control mat



Figure 21 - Low area close to the spillway. After the erosion control mat



Figure 22 - Back side of the dam around the low flow pipe. After the erosion control mat



Figure 23 - Back side of the dam around the low flow pipe. After the erosion control mat



Figure 24 - Back side of the dam around the low flow pipe. After the erosion control mat



Figure 24 – Top side of the dam around the low flow pipe. After the erosion control mat



Figure 25 – Top side where hog damage occured. After the erosion control mat