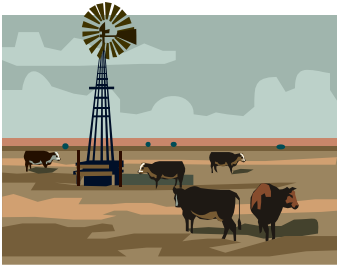


Lower Pipestem Creek Watershed Project



Watershed Project Activities

The Lower Pipestem Creek Watershed Project was kept busy this fall completing two feedlot updates, several pasture and hayland plantings, fencing projects, riparian grazing management as well as spring developments and weekly water sampling.

The Watershed Project held several tours this past summer. There was a Forage Tour held near Woodworth focusing on Livestock Forage crops, a Feedlot Tour where local producers visited three ag-waste updates, one in the beginning stages, one nearing completion and one finished operation. We held a No-Till tour on an extremely hot day in July where we were shown the amazing differences in infiltration rates and soil temps between no-till residue and bare soil.



Rotational Grazing



Rotational grazing plans were prevalent in 2006 for the Lower Pipestem Creek Watershed Project. So far in 2006 producers have installed over 62,000 linear feet of fence and cross fence. This has taken place on over 3,000 acres of rangeland and pasture.

The benefits of rotational grazing can certainly be seen on a dry and hot year like 2006. As evidenced by range inventories, pastures that have had an established grazing system have withstood the weather pressure much more efficiently than pastures without.

The Pipestem Watershed Project is similar in scope to the Environmental Quality Incentives Program. The purpose of the program is to improve water quality in the Pipestem Creek and its Reservoir. The program is available to those interested in establishing conservation practices on land draining into the Pipestem Creek.

Shallow Buried Pipeline

This past fall the Lower Pipestem Creek Watershed project helped cost-share a shallow buried pipeline in NW Stutsman County. The pipeline was installed with a shallow trencher at a depth of 15" to 18".

The cost for these types of pipelines is approximately \$0.90—\$1.00 per foot installed; materials run about \$0.60 per foot depending on the size of pipe used and installation is about \$0.30—\$0.35 per foot. The pipe was installed at the rate of 1,500 to 2,000 feet per hour.



Feedlot Updates Complete



Culverts under access road



Solid Separator



Heavy Use Pad

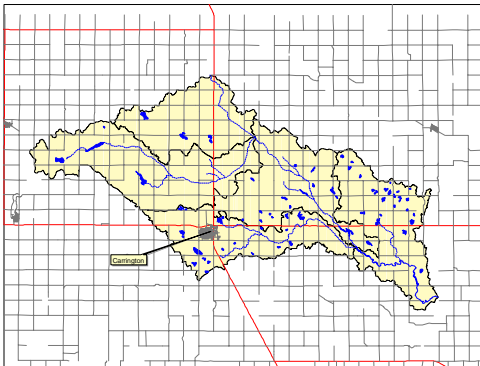


Stutsman County producer Russell Krapp, in cooperation with the Lower Pipestem Creek Watershed Project and the NRCS, has spent the better part of the growing season updating his existing feedlot situation. He relocated it from the southeast to the northwest of his headquarters, getting it up out of a creek that ran through the middle of the feedlot. According to Krapp his biggest problem in the old location was poor drainage and high water in the spring, leading to calving problems. The new setup will allow him to feed cattle on concrete and use waterers as their clean water source. It also includes a uniquely shaped settling pond, with convenient access roads, and the existing windbreak will provide excellent protection.

Kelly Creek Watershed

The Watershed project is starting an assessment on Kelly Creek in Foster County. This is a small tributary to the James River. Sampling sites have been set up along the Creek for weekly and storm event sampling. This could involve future funding for Best Management Practices (BMP's) on eligible land.

Kelly Creek Watershed Area



Lower Pipestem Creek Watershed Project.

Best Management Practices Funded:

312	Waste Management System	*
313	Water Storage Structure	*
328	Conservation Crop Rotation	NC
329A	Residue Mgt – No Till	\$7.20/ac
332	Contour Buffer Strips	*
342	Critical Area Planting	*
350	Sediment Basin	*
351	Well Decommissioning	*
356	Dike	*
359	Waste Treatment Lagoon	*
362	Diversion	*
378	Pond	*
380	Windbreak/Shelterbelt Est.	*
382	Fencing	*
386	Field Border	*
390	Riparian Herbaceous Cover	*
391	Riparian Forest Buffer	*
392	Field Windbreak	*
393A	Filter Strip	*
410	Grade Stabilization Structure	*
412	Grassed Waterway	*
422	Hedgerow Planting	*
425	Waste Storage Pond	*
472	Livestock Exclusion	\$6.00/ac
512	Pasture & Hayland Planting	*
516	Pipelines	*
521	Pond Sealing or Lining	*
528A	Prescribed Grazing	NC
548	Grazing Land Mech. Trtment	\$3.00/ac
550	Range Seeding	*
561	Heavy Use Protection	*
574	Spring Development	*
	Stream Bank & Shoreline	
580	Protection	*
584	Stream Channel Stabilization	*
587	Structure for Water Control	*
590	Nutrient Management	\$3.00/ac
600	Terrace	*
601	Vegetative Barrier	*
603	Herbaceous Wind Barriers	\$3.00/ac
610	Toxic Salt Reduction	*
612	Tree Planting	*
614	Trough and Tank	*
633	Waste Utilization	*
634	Manure Transfer	*
	Water & Sediment Control	
638	Basin	*
640	Water Spreading	*
642	Well	*
656	Constructed Wetland	*
657	Wetland Restoration	*
658	Wetland Creation	*

*Cost share assistance for these Best Management Practices are based on actual costs.