

BUENA VISTA COUNTY
SOIL AND WATER CONSERVATION DISTRICT

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Storm Lake Watershed Project
Best Management Practices

Project Coordinator: Kimberly Proctor

1 filter strip buffering Storm Lake 30x 150

4 waterways totaling over 7,000 feet

1 animal waste storage facility

1 wetland restoration, 3 acres seeded to native grasses buffering Powell Creek

Buffered 4 tile intakes



3 boulder weirs installed on Powell Creek to prevent the downcutting of the channel and to slow a head cut up into the neighbors' farm field. (Pictured above: the second weir during construction)

1 pasture converted to wetland buffer and planted to native grasses. This was a critical area because it was adjacent to Little Storm Lake, and the cattle had full access to the creek.

1000 ft riparian maintenance including tree and brush removal, trimming, and re-planting 240 trees

Restored 2 wetlands that will become an outdoor classroom for area schools and the surrounding communities. Information displayed will teach visitors about watersheds and the importance of water quality. The previous land use was pasture, where cattle had full access to the creek.

12 IOWATER sites being monitored on Powell Creek and Little Storm Lake. Each site is monitored monthly for water clarity, nitrates, dissolved oxygen, pH, and chloride to name a few. We are collecting data to look at trends in water quality.

8 producers were accepted into the Conservation Security Program. Of these, 6 will be moving up in tiers by September 15, 2006.

Each practice was installed using a watershed management performance based approach. The Storm Lake Watershed project, together with the Little Storm Lake Restoration and the Storm Lake Dredging projects, will continue to improve our water quality and protect our natural resource Storm Lake.

This project is supported in part by the Iowa Department of Agriculture and Land Stewardship, Division of Soil Conservation, through funds of the EPA 319 Fund and Water Protection Fund and, by the Iowa Department of Natural Resources through a grant from the U. S. Environmental Protection Agency under the Federal Nonpoint Source Management Program (Section 319 of the Clean Water Act). Technical assistance is provided by the U.S. Department of Agriculture, Natural Resource Conservation Service.