



# CWF Feedlot Water Quality Management Grant for FY 2011

## Fillmore Soil and Water Conservation District

**Clean Water Fund Grant Awarded** \$ 561,593

**Grant Period** (incl. extensions)  
From: January 6, 2011  
To: December 31, 2013

**Funds Returned to State**  
Type \$10,012.48  
Date Fund Returned: 1/23/14



←—Before  
Open lots with polluted runoff create difficult herd management situations. Valuable nutrients in the manure are lost to runoff

After → The fixes improve herd health, site management, and utilization of the nutrients in the manure saving both time and money.



### Outputs and Outcomes

#### Expenditures by Category

<b>Administration/Coordination</b>	\$ 26,743.00
<b>Project Development</b>	\$ 0
<b>Private Technical and Engineering</b>	\$ 41,555.00
<b>SWCD Technical and Engineering</b>	\$ 34,320.52
<b>Construction</b>	\$ 403,250.00
<b>Total CWF Budget</b>	\$ 505,868.52

**Outputs:** Six projects were completed using the FY11 funding. These sites have a total of 1169 animal units comprised of beef or dairy cattle on open lots. The runoff from these open lots goes to intermittent streams, creeks, sinkholes, or road ditches. Four of the projects were completed in 2011 and two projects were completed in 2012.

#### Projected Outcomes:

Water pollution reduction estimates for these projects:

*BOD (biological oxygen demand) = 6,076 lbs/yr*  
*COD (chemical oxygen demand) = 27,333 lbs/yr*  
*Fecal Coliform Bacteria = 18.72+15 colony forming units/yr*  
*Nitrogen = 1,500 lbs/yr*  
*Phosphorus = 487 lbs/yr*

#### PROJECT CONTACT

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Prepared by Fillmore SWCD  
for BWSR Website Reporting Requirements



Example of a picket dam used to separate the solids in the manure from the liquids; solids are scraped from the lot and land applied; liquids pass through gravel spreaders to a grass filter strip.