



## 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, 2012

**Funds Returned to State**  
Type \$0  
Date Fund Returned: N/A



Before: Open lots with polluted runoff create difficult herd management situations. Valuable nutrients in the manure are lost due to runoff and leaching. The fixes improve herd health, and the management of the site becomes more efficient saving both time and money for the producer.

### Outputs and Outcomes

#### Budget by Category

<b>Administration/Coordination</b>	\$ 26,743
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<b>Project Development</b>	\$ 0
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<b>Technical and Engineering (</b>	\$ 80,600
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<b>Construction</b>	\$ 454,250
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<b>Total CWF Budget</b>	\$ 561,593
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**Outputs:** Seven projects are to be funded 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. All seven projects are anticipated to be completed by the end of 2011.

#### 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 are filtered in a grass filter strip