



## CWF Feedlot Water Quality Management Grant for FY 2010

### Fillmore Soil and Water Conservation District

**Clean Water Fund Grant Awarded** \$ 194,000

**Grant Period (incl. extensions)**  
From: June 1, 2010  
To: December 31, 2011

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

#### Expenditures by Category

Administration/Coordination	
Project Development	
Private Technical and Engineering Assistance	\$ 2,880.00
SWCD Technical and Engineering Assistance	\$ 14,120.00
Construction	\$ 177,000.00
<b>Total CWF Expenditures</b>	<b>\$ 194,000.00</b>

**PROJECT CONTACT**  
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*Prepared by Fillmore SWCD for BWSR Website Reporting Requirements*



← Before: Open lots with polluted runoff; difficult herd management; loss of nutrients in manure due to runoff and leaching

After →: open lots covered; herd management improved; better utilization of nutrients in manure



#### Outputs and Outcomes

**Outputs:** Two feedlot fixes were completed in 2010 with FY 10 Clean Water Funds. The third feedlot project was completed in 2011.

**Outcomes:** Water pollution reduction estimates for these projects  
 BOD (biological oxygen demand) = 5,583 lbs/yr  
 COD (chemical oxygen demand) = 25,127 lbs/yr  
 Fecal Coliform Bacteria = 13.2 +15 colony forming units/yr  
 Nitrogen = 1,369 lbs/yr  
 Phosphorus = 435 lbs/yr



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