



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	
Technical and Engineering	\$ 14,000.00
Construction	\$ 147,000.00
Total CWF Expenditures	\$ 161,000.00*

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 .

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

** Remaining \$33,000 of FY10 funds are encumbered in a contract.



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