

01/21/14

# District Technician 2013 Report Inspection and Maintenance

Inspections continue to be an ongoing process for the 477 structures in the Little Sioux Watershed in Woodbury County. This also includes the Bacon Creek W/S which is outside the Little Sioux W/S boundaries. Re-visiting sites were done on an as-needed basis for numerous issues such as rodent problems, rodent guard replacement, cleaning out drain pipes, tree cutting and spraying, and meeting with landowners to discuss their maintenance issues.

### Projects Completed—

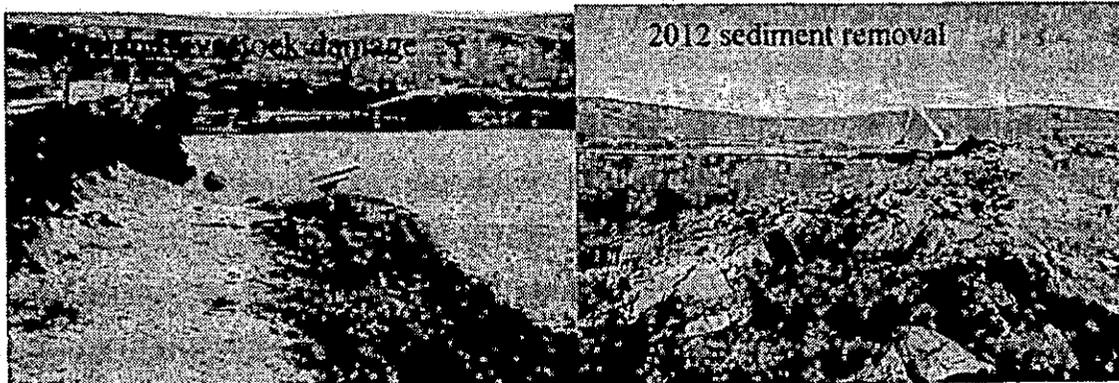
#### Little Egypt Sub-watershed sites 47+30.30+52,125+21

Removed sediment from structures in 2012 to rebuild berms. 2013 rebuilt berm and armored with crushed concrete adding draw down pipe.. Worked with Land Owners to share costs.

Project Value	\$ 25,950.00
District Cost	\$ 12,975.00
L.O. In-kind	\$ 12,975.00



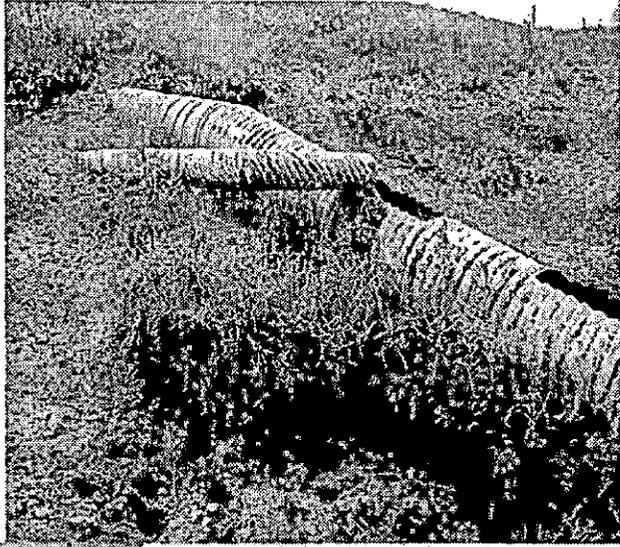
Visited site with Commissioners 2012.



View addendum A,B,C to see completed project

## Completed Projects

Toe drain leaking  
causing soil to  
saturate, allowing  
outlet pipe to  
undermine and  
move



Scheduled with local  
contractor  
working in the area  
to complete  
miner maintenance

District Cost  
\$420.00



**District Planned Repairs in Progress**

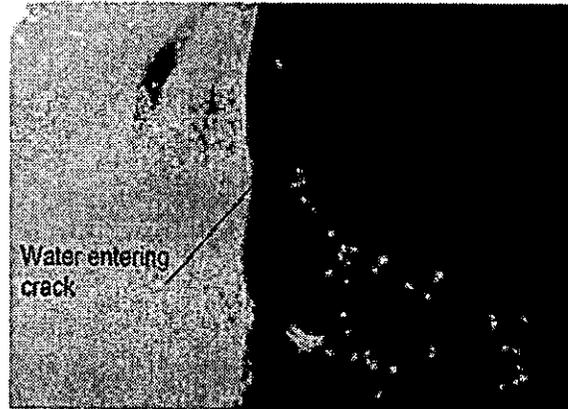
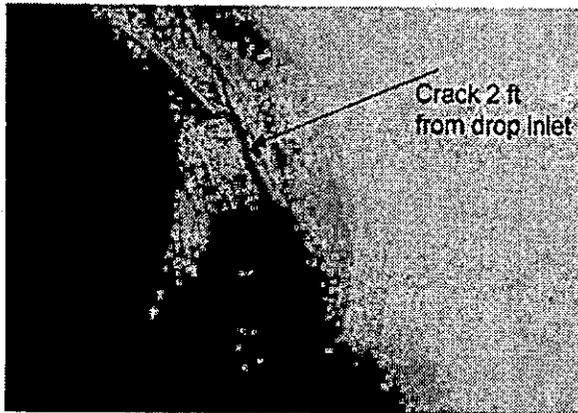
**Cracked Inlets**

**Little Egypt 29+82, Little Beaver 150+25, and  
Wolf Creek 43+00**

Landowner agreement completed and contract awarded to Casey Jackson Construction  
Due to site location, late harvest and early freeze up project will be completed spring 2014.

District funds

\$ 19,225.00



**Eroded Berms**

Parnel sites 15-1 and 17-1 Repair heaved inlet pipe and rebuild and stabilize berms with crushed concrete.

Landowner agreements completed and awarded to Flewelling Earthmoving Inc.

Estimated Project Total Cost Value

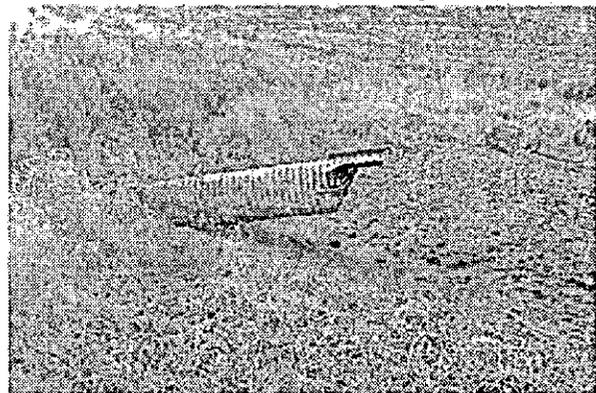
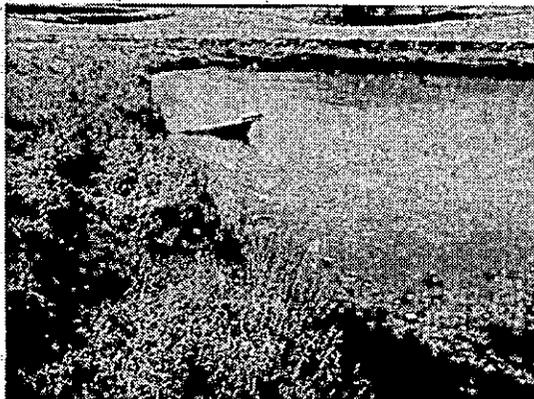
\$34,225.00

District Cost

\$17,112.00

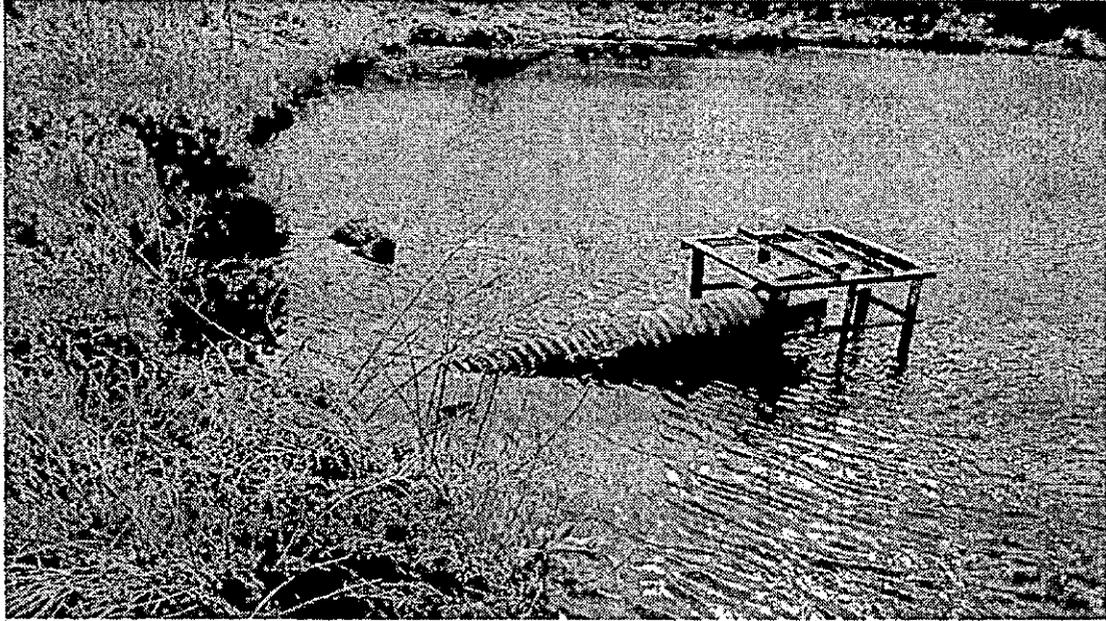
L.O.In-kind

\$17,112.00



**District Planned Repairs - Rebuilt eroded berm and stabilize**

**Windy Hill site 3-1 Working with L.O. on  
borrow site.  
Est. cost \$15,000.00**



**Mud Creek site 6-1 Have landowner coop-  
eration. Borrow and concrete located  
Planning to bid 2014  
Est. cost \$25,000.00**



### Meetings

Presented monthly watershed reports at commissioner meetings

Met with individual commissioners to discuss maintenance issues

Met with Land Owners regarding projects

Attended Annual NRCS Awards Meeting and Luncheon in Storm Lake, IA

### Miscellaneous Duties

Updated EAP on all High Hazard sites. Reviewed and updated owners and producer addresses.

Contracting Officer and for all bid contracts

Site inspector for all projects

Reported to secondary road staff any road structure sites that may need attention.

Assisted DNR inspector with 2 year high hazard and 5 year moderate hazard inspections.

Assisted NRCS staff with site visits as needed.

Worked with Land Owners and contractors with minor maintenance issues throughout the county, as well as assisted with difficult plugged inlet pipes due to rodent activity.

Contacted and informed landowners and tenants of their operation and maintenance responsibilities.

Continued up-dating information into the data base.

Reviewed and made site visits for the 2012 slough bill applications.

Developed project agreements with cooperating Land Owners as repair work was started

Worked with Land Owners to arrange their increased financial in-kind support for various projects.

Initiated correspondence with land owners regarding problems with structures and worked with them to resolve issues

### Conclusion

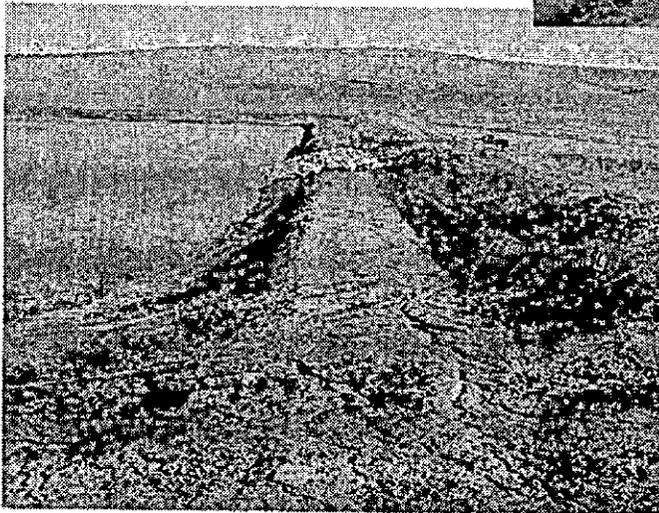
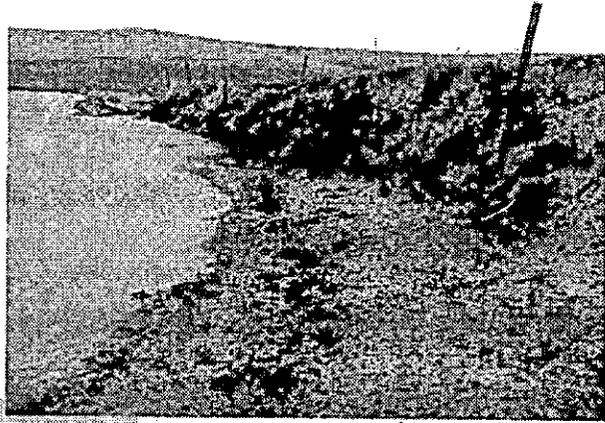
After the 2012 drought, it didn't take mother nature long to test our structures. With most structure near full capacity. As always mother nature usually determine how much work gets completed. Late spring rains forced for late planting, leading to late harvest with early freeze up , leaving project for spring work.

As the baby boomer generation is now acquiring their family farms or returning to retire on the family farm of yesterday. Landowners contacting us to restore site as they remembers back then. Removing silt from structures to restore water levels to help establish benefits they once enjoyed. Working with these LO will be beneficial in the future of maintaining the Little Sioux Flood prevention landscape.



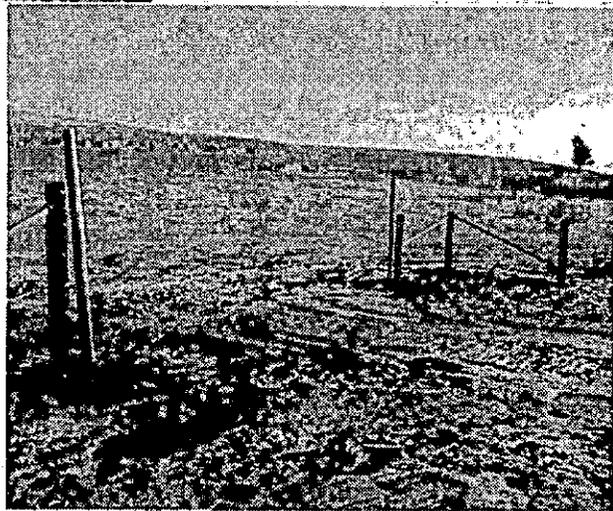
**Addendum - A**  
**Additional Project Photographs - Completed Repair Projects**  
**Little Egypt 30+52**

**2012 Wave and livestock damage**



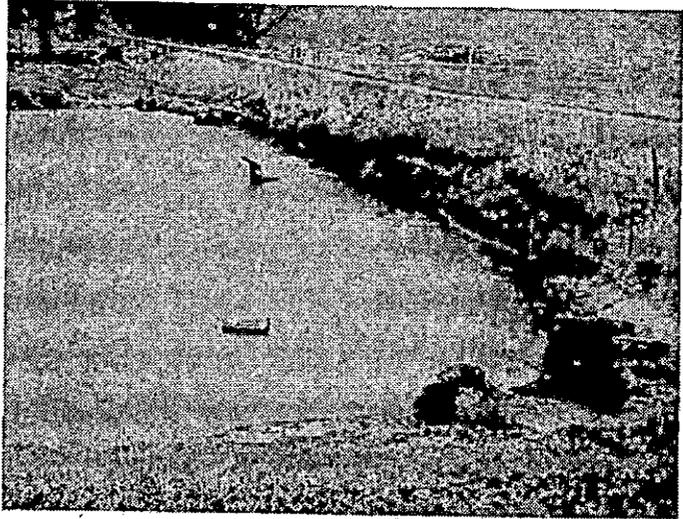
**2013 Berm rebuilt &  
placed concrete to stabi-  
lize**

**2013 Landowner agreed to fence  
and manage grazing**



**Addendum - B**  
**Additional Project Photographs**  
**Little Egypt site 47+30**

**2012  
Eroded bank -**



**Rebuilt wave berm and front  
slope**

**Rebuilt wave berm with  
drawdown pipe installed**



**Addendum - C  
Additional Project Photographs -**

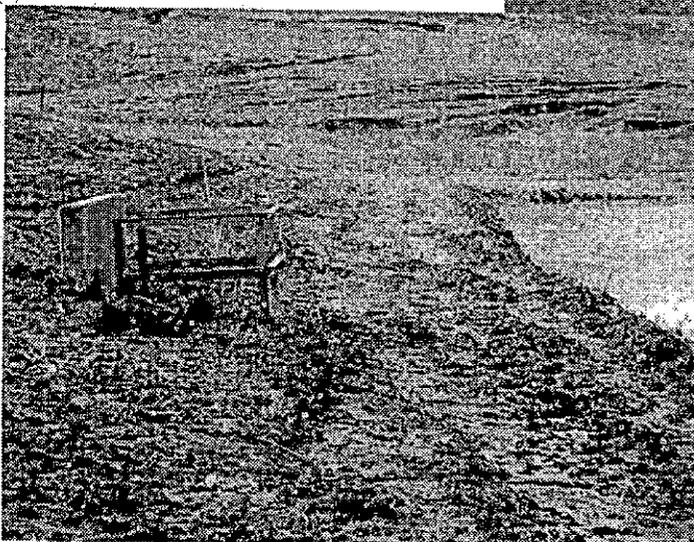
**Little Egypt 125+21**



**2012  
Eroded berm from  
wave and livestock**



**2012  
Silt removal**



**2013  
Rebuilt berm from 2012  
silt removal**