

Elements of the Source Water Protection Program

Iowa Source Water Protection
Partners Workshop
Oakland, IA
January 14, 2015

Essential Element

- Water is the ***most*** essential element of life, because without water, you can't make coffee.....

Source Water Protection Goals

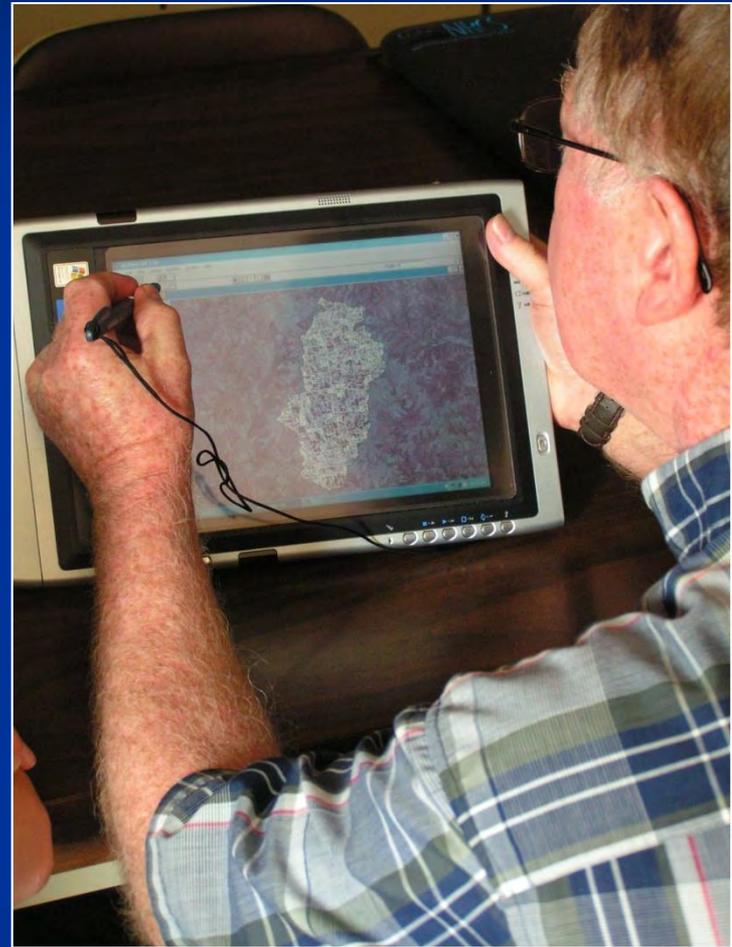
- Effective Community Planning Team
- Develop *Viable* Source Water Protection Plan
- Implement Source Water Protection Plan
- Update Plan Annually

Program Revised: 2008 - present

1. Developed the Targeted SWP Program **to address "highly susceptible"** municipal water supplies
2. **Identified "at-risk"** municipal water supplies ~ 260
3. Developed MANY partnerships!!
4. Initiated Pilot Projects

Elements to Source Water Protection

- Seven elements for Source Water Protection Plan development and implementation



#1. Develop Local SWP Team

- Team Include:
farmers, ag
retailers,
conservation
agencies/groups,
city officials &
water operator,
among others

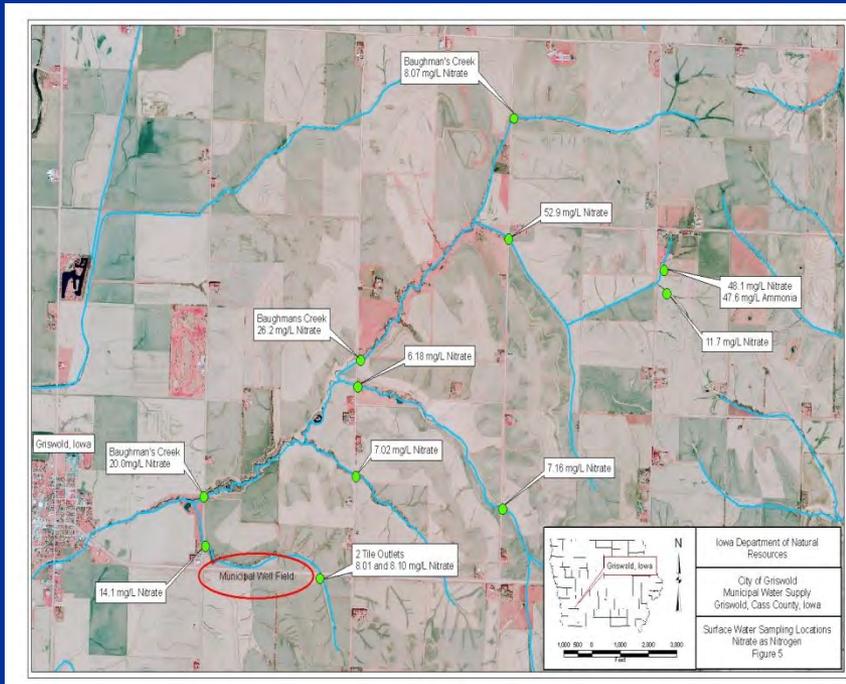


#2. Ground Water Site Assessment

- Conduct hydro-geological assessment



#3. The "Team" Utilizes the Assessment Information to Prioritize Susceptible Areas & Begin Planning



#4. SWP Action Plan Includes:

- Activity/Practice -i.e. cover crops, nutrient management, CRP-**WHP, wetlands, etc....**
- Start date of activity & completion date
- Person(s) responsible to install best management practice
- % Completed/Notes

SOURCEWATER PROTECTION WORKPLAN

OAKLAND Municipal Utilities

PWSID # _____

Date Initiated _____

Activity	Start Date	Date Complete	Who	% Done	Comment
Organize SWP Community Planning Team & Develop Member Contact List			Steve		
Contact IDNR SWP Program Coordinator – Schedule Meetings			SWP Chair		
Update SWP GIS Map					
Conduct Landuse Assessment			NRCS /Team		
Gather Local Information,			Team		
Conduct GW Site Investigation			IDNR		

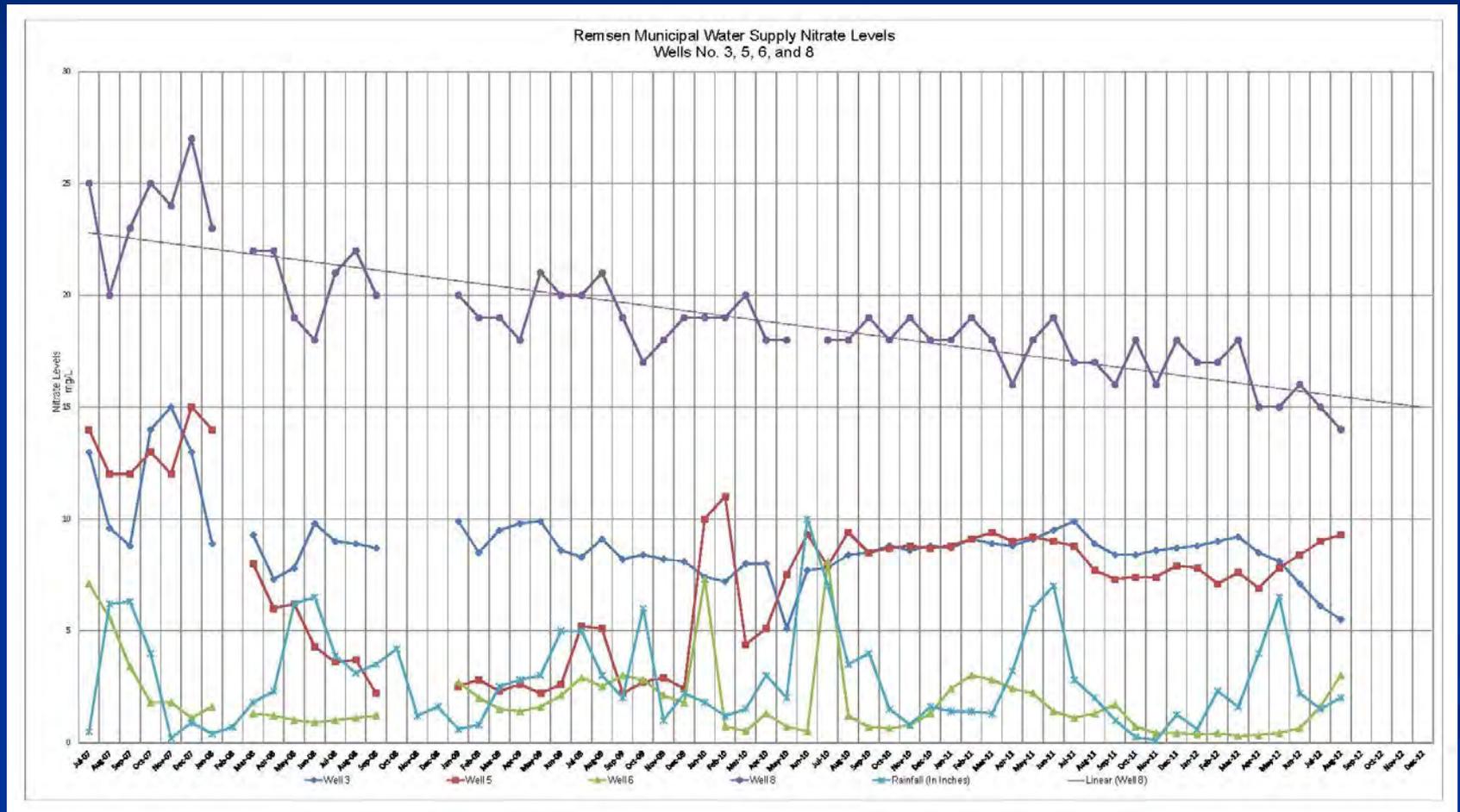
#5. SWP Team Secures Resources

- Watershed Improvement Review Board (WIRB) Grants
- USDA-NRCS Conservation Innovation Grants
- USDA-Farm Service Agency CRP-WHP program
- IDALS & USDA cost-share programs
- Leopold Center for Sustainable Agriculture
- State Revolving Funds – 0% interest
- **Etc....**

#6. SWP Team Implements Approved SWP Plan



#7. Evaluate Results Over Time



**We Live In Times of
Declining Public Resources
and *Increasing*
Environmental Concerns**

**Complex Times Demand
Creative and *Thoughtful*
Approaches To These
*Challenges***



Thanks !!

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