Bill COMPTON
JUNE 1, 2018 PRESENTATION
MAHOMET AQUIFER TASK FORCE SUBCOMMITTEE B

I THOUGHT I RETIRED

Involvement in Illinois Source Water/ Public Water Supply Issues

- Caterpillar Illinois Facilities
  - Five Groundwater, One Surface
  - Regulatory and Legislative Involvement
- Groveland Township Water District, Chairman Emeritus
- Illinois Chamber of Commerce Environment Committee
- Illinois Environmental Regulatory Group, Executive Committee, Chairman Emeritus
- IGPA Groundwater Advisory Council
- IGPA Central Region Groundwater Protection Committee
- Numerous IEPA, IDNR Committee, Regional Project Initiatives
- IDNR Middle Illinois Basin Water Supply Regional Study (Ongoing)

Focus on Local Governments

- Local government authority to protect groundwater includes:
- adopting maximum setback zone ordinances
- conducting groundwater protection needs assessments
- participating in the establishment of priority groundwater planning regions and regulated recharge areas
- and adopting setbacks as a zoning overlay district.

Department of Urban and Regional Planning
University of Illinois at Urbana-Champaign

Keep in Mind

- Unintended Consequences
- Charles Hostetler: Need to understand the content of the regulations and how well they work
  - Are they (or will they) be effective and useful
  - Need to understand the content before approval of blanket recommendations
  - Whether they impose unfunded mandates
  - Whether the local governments will budget to sustain the recommendations
  - (From Draft April 16,2018 Minutes from the Sub-Committee Meeting)

Illinois Groundwater Protection Act (IGPA) (P.A. 85-086, 1987

- IGPA-a unified, prevention-oriented program that relies on state and local partnerships by enhancing cooperation and
- Providing for surveys, mapping and assessments
- Requiring groundwater quality standards
- Setting groundwater protection policy
- Monitoring ambient groundwater quality

Illinois Groundwater Protection Act (IGPA) (P.A. 85-086, 1987) (Cont.)

- Establishing water well protection zones
- Establishing authority for recharge area protection
- Requiring technology control regulations
- Establishing a regional groundwater protection-planning program
- Establishing a groundwater education program

IGPA-a Unified, Prevention-oriented Program that relies on State and Local Partnerships by Enhancing Cooperation

- Assigned various administrative and technical duties and responsibilities to the Illinois EPA and the Illinois Dept. of Natural Resources
- Established
  - Interagency Coordinating Committee on Groundwater (ICCG)
  - Groundwater Advisory Council (GAC)
  - Four Priority Regional Groundwater Protection Planning Committees

IGPA-a Unified, Prevention-oriented Program that relies on State and Local Partnerships by Enhancing Cooperation

- Assigned responsibilities to the ICCG, GAC and Regional Priority Committees
- Defined specific areas Interaction and cooperation between the ICCG and GAC with the DNR and IEPA

Interaction Between the GAC, the ICCG, IDNR and IEPA

- ICCG Chair (IEPA)
  - Proposes a groundwater protection agenda considering relevant federal and State programs
  - Submits agenda to Committee and GAC for consideration
  - Designates an ICCG liaison person to facilitate communications with the ICCG
- ICCG considers the findings and recommendations provided by the GAC
  - Responds in writing

Interaction Between the GAC, the ICCG, IDNR and IEPA (cont.

- DNR, with the advice if the ICCG and GAC, develops
  - A coordinated groundwater data collection and automation program
  - Automate the data to make it accessible and usable
- DNR, in consultation with the IEPA, ICCG and GAC
  - Develops ongoing basic and applied research programs relating to groundwater
  - Makes information available to local governments seeking technical assistance from DNR

Interaction Between the GAC and the ICCG, IDNR and IEPA (cont.)

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Groundwater Advisory Council

- GAC activities and results relate to
- Review, evaluation and recommendations regarding
  - laws, regulations
- Procedures related to groundwater protection
- State's efforts to implement the IGPA and generally protect the groundwater of the State
- Groundwater data collection and analyses
- Recommendations relating to the State's needs for groundwater research

Composition of the Groundwater Advisory Council

- Members appointed by the Governor
  - Two Persons –Environmental
  - Two Persons –Industrial and Commercial
  - One Person –Agricultural Interests
  - One Person –Local Governmental One Person –Regional Planning
  - One Person –Public Water Supplies
  - One Person –Water Well Drilling Industry

GAC Activities (Routine)

- Cosponsor Regional Groundwater Protection Programs Policy Forums
- Meet with ICCG to coordinate review, evaluate and recommend State groundwater program initiatives and activities
- Review and evaluate IEPA policy and regulatory proposals related to groundwater and source water protection

GAC Activities (Routine) (Cont.)

- Provide Open Meeting Act Liaison to Affected Stakeholders for Input
  - NGO Environmental Groups
  - Illinois Farm Bureau
- Business/Industrial Groups (e.g.)
  - Illinois Environmental Regulatory Group
  - Illinois Municipal League
  - Illinois Chamber of Commerce
  - Illinois Manufacturers Association
  - Chemical Industry Council of Illinois
- ICCG, IEPA, IDNR Concerns

GAC Accomplishments

- Pleasant Valley PWD Regulated Recharge Area (IL Pollution Control Board Rule) (First in State) 2001
- GAC recommended State-wide water quantity planning and management program accepted by the ICCG 2001
- GAC participation in
  - Implementing Executive Order No. 5 –ICCG to Establish a Water Quantity Planning Program 2002
  - Preparing the Integrated Water Planning and Management Plan Submitted to the Governor and General Assembly 2003

GAC Accomplishments (Cont.)

- GAC resolution for IEPA Methods of Notification under the Illinois Right to Know Act (415 ILCS 5/25d-3 Notices) 2006
- City of Marquette Heights CWS Maximum Setback Zone (IL Pollution Control Board Rule) (First in State)2006
- GAC Outreach Session Section 654.505 Source Water Protection Plan, 2013
- GAC Regulatory Outreach Session for amendments to Part 841, Coal Combustion Waste Surface Impoundments at Power Generating Facilities, 2016
- GAC Regulatory Outreach Session on Part 620 Amendments, 2017

Regional Planning Committee Composition

- Members Appointed by the Director, IEPA
  - Supported by IEPA Staff
- Representatives from
  - Counties and Municipalities
  - Owners, Operators of Public Water Supplies which use Groundwater
  - At Least Three members of the General Public

Central Region Committee Membership

- Municipalities
  - City of Chillicothe
  - City Of Pekin
  - City of Peoria Heights
- Counties
  - Mason
  - Peoria
  - Tazewell
  - Woodford
  - Tri-County Regional Planning.
- Public Water Supplies
  - City of East Peoria
  - Groveland Twp. W. D.
  - Illinois American
  - Pleasant Valley P.W.D.
- Citizens
  - Agriculture Supply Business/Industry
  - Education/ Teaching
  - Engineering Consultants
  - Farming
  - Farm Bureau
  - Local Planning
  - Well Drilling

Central Regional Committee Mission

- Mission -Advocate groundwater protection practices and procedures to municipal, county, state and other local units of government throughout the Central Planning Region

Central Regional Committee Goals

- Promote and the use of groundwater protection "tools" that implement groundwater protection programs throughout the region
- Assist the state jurisdictions and act as a catalyst in accomplishing specific regional groundwater protection programs
- Provide a forum for the development of recognized regional protection needs
- Provide education materials and programs regarding general groundwater protection

Central Regional Groundwater Protection Planning Committee

- Central Regional Groundwater Protection Planning Committee activities relate to
  - Identification of and advocacy for region specific groundwater protection matters
  - Facilitating informational and educational activities relating to groundwater protection within the region
  - Recommendations to the IEPA for the establishment of regulated recharge areas and public outreach
  - Monitoring and reporting progress on in implementation of protection of groundwater

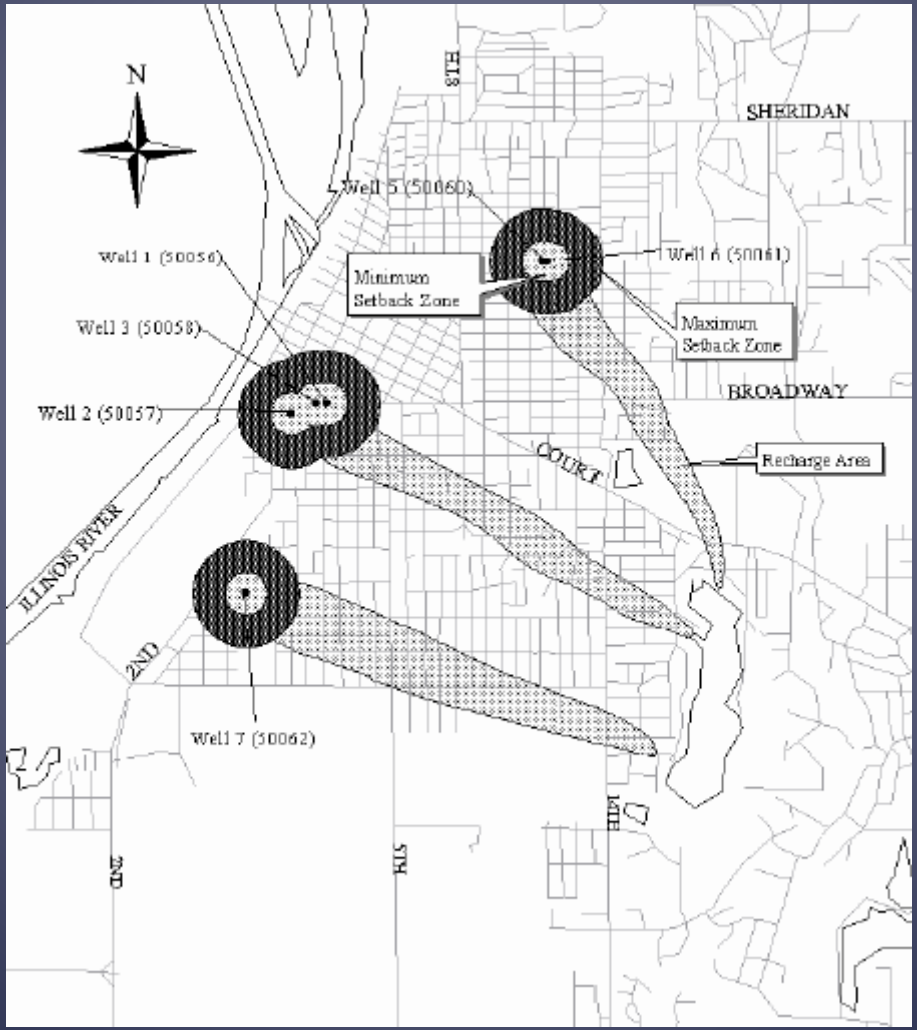
Groundwater Protection Program Videos and Teacher Curriculum

- Developed and produced four videos, which may be presented in their entirety or in segments, accommodating class time restraints
- A curriculum for teaching fourth- through eighth-grade students about the importance of groundwater as a natural resource was developed
- All four videos have been copied onto DVDs that are available from the Tazewell County Health Department
- Curriculum materials are provided on the DVD (i.e., PowerPoint presentation, text, and sample quiz.)

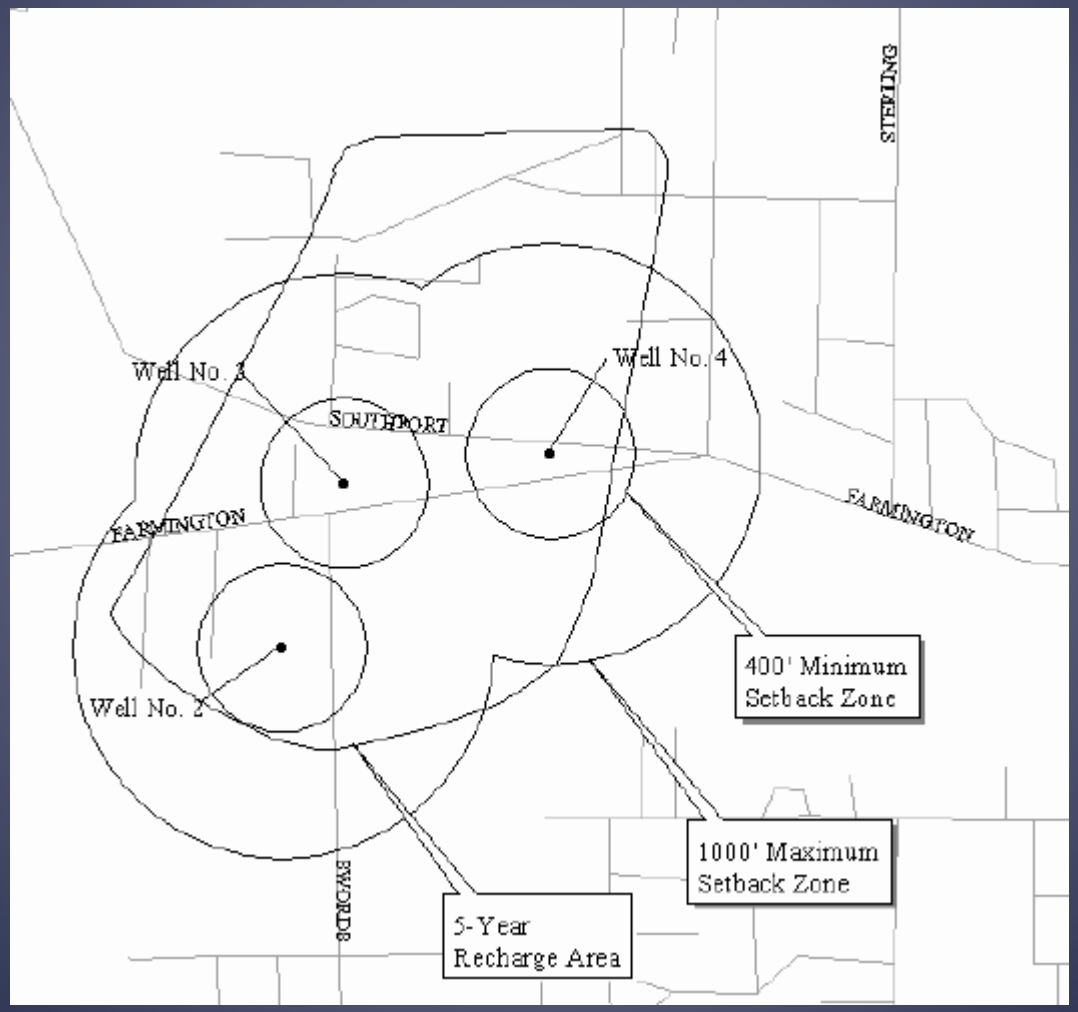
Central Regional Committee Accomplishments

- City of Pekin, IL comprehensive recharge area protection overlay zoning ordinance and a maximum setback zone ordinance
- Tazewell County, IL county-wide groundwater protection ordinance
- Pleasant Valley PWD regulated recharge area IL Pollution Control Board Rule
- City of Marquette Heights CWS Maximum Setback Zone
- East Central Illinois Regional Water Plan (Mahomet Aquifer)

Pekin Zoning



Pleasant Valley Regulated Recharge Area



Section 618.APPENDIX A: Boundaries of Marquette Heights' Maximum Setback Zone

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WHOLLY CONTAINED			PARTIALLY CONTAINED	
102	111	115	106	118
21-011	21-009	7-007	64-010	50-020
38-018	21-049	8-006	65-010	51-016
	26-027	9-005	66-009	52-018
103	28-038	9-004	67-008	53-017
1-005	29-025	10-033	68-031	54-016
2-004	29-026	10-032	69-007	55-015
	30-033	11-030		56-014
105	30-034	12-023	109	57-016
68-007	31-031	12-029	105-003	58-012
69-006	31-032	13-027	122-027	59-011
70-005	32-030	13-028	123-025	61-005
71-004	33-044	14-024		66-004
72-003	34-029	A-023	111	65-003
73-002	34-027	B-022	159-021	64-002
74-001	35-035	C-021	152-022	
75-021	36-023	D-040	26-061	114
76-022	154-020	16-001		A-009
77-023	155-019	16-002	115	B-010
78-024	156-018	17-003	6-038	
79-025	157-017	17-003	6-039	104
80-026	158-016	18-004	25-042	1-006
81-027	159-015	19-041		
82-028	160-014	20-009	120	103
83-029	161-013	20-013	15-002	3-008
84-030	162-012	21-011	14-001	
	163-011	21-012		102
108	164-010	22-013	119	36-018
106-008	165-009	23-014	5-005	37-017
107-007	166-008	23-015	6-006	38-013
108-006	167-007	23-016	7-007	
109-005	168-006	24-017	8-008	101
110-004	169-005			28-013
111-003	170-004	118		
112-002		67-005		155
113-001	114	Outlot C-1 -006		Park 001
114-018	G.55-008	Outlot C-1 -007		
115-019	2.32-002			
116-021	2.32-003	119		
117-022	2.27-007	1-001		
118-023		2-002		
119-022		3-003		
120-021		4-004		
121-020				

200 100 0 200 400 600 Feet

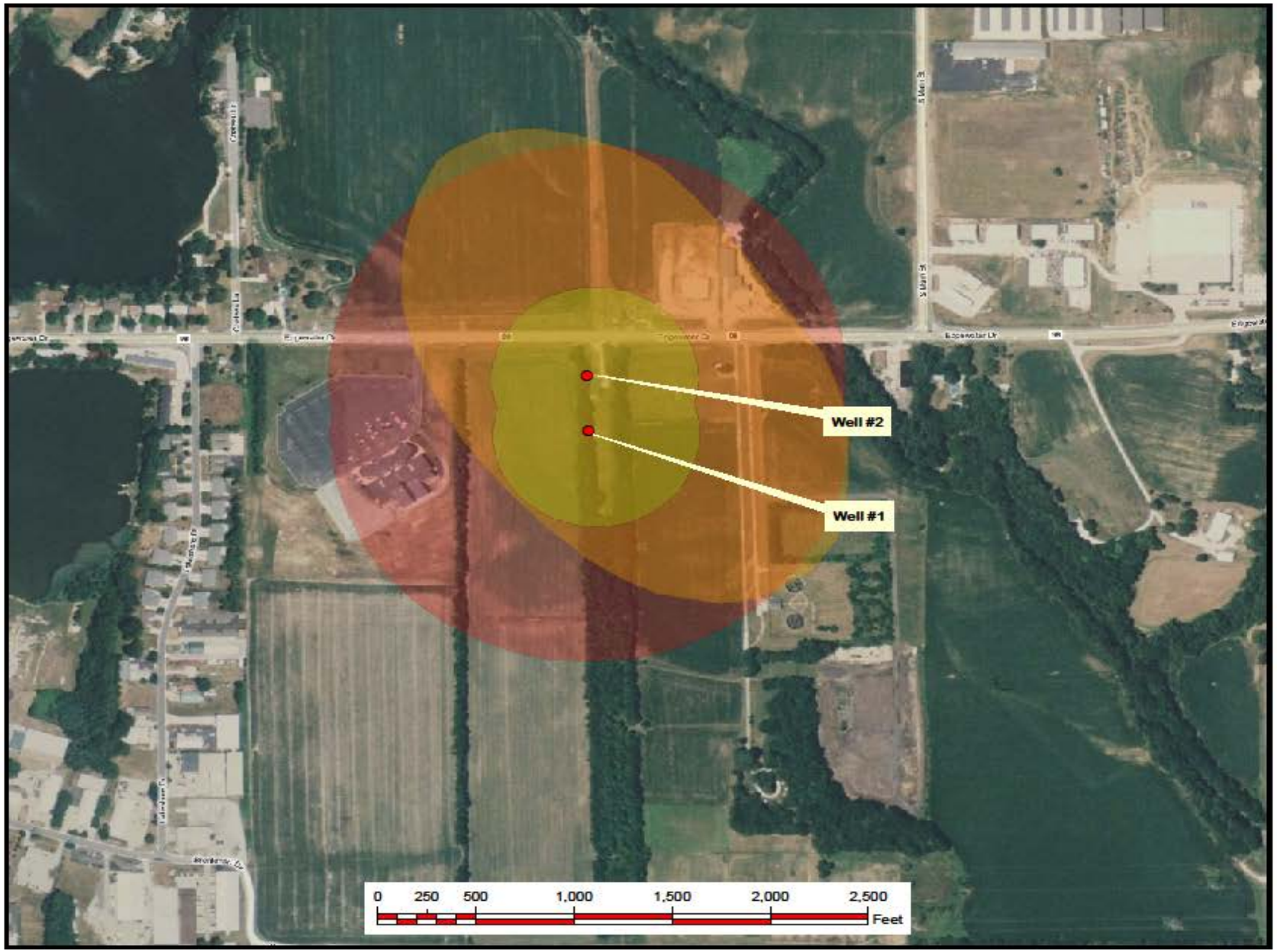
Legend

- Marquette Heights CWS Wells
- Marquette Heights Maximum Setback Zone
- Pekin Township Plat Map

ILLINOIS EPA 2004

SOURCE INFORMATION

Pekin Township Plat Map obtained from Tazewell County Assessor's Office
Marquette Heights Community Water Supply Wells and Maximum Setback Zone information obtained, compiled and released by Illinois EPA Groundwater Section



GROVELAND TOWNSHIP WATER DISTRICT WELL HEAD PROTECTION AREAS

April, 2010

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W
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Legend

- CWS Wells
- Minimum Setback Zone
- Phase I WHPA
- Phase II WHPA

QUESTIONS