

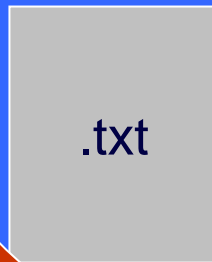
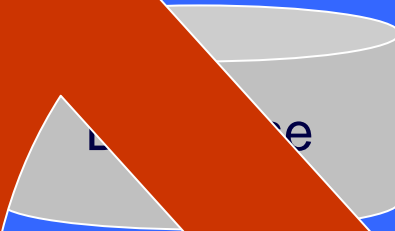
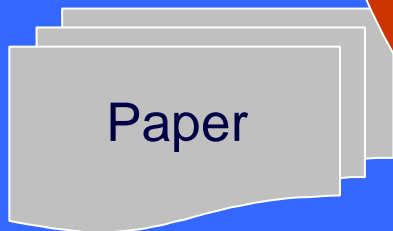
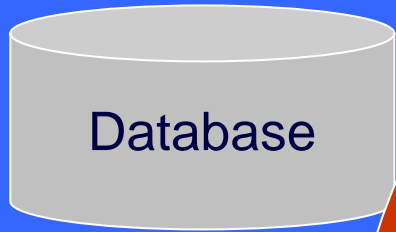
# Illinois State Water Survey



**GWINFO – An Integrated Groundwater  
Database Entry, Retrieval, and Analysis  
System**

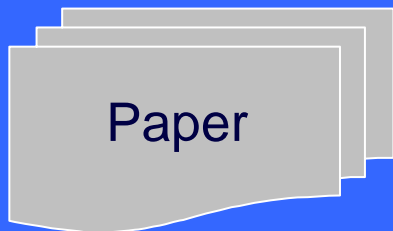
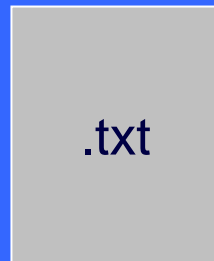
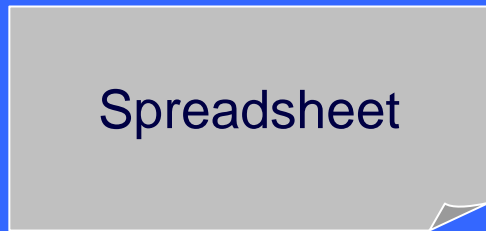
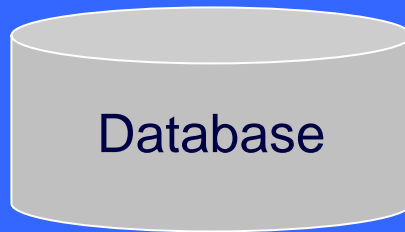
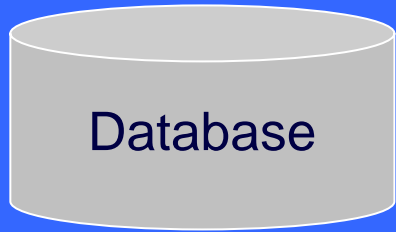
**Jonathan Foote and Steven Wilson**

# STAND-ALONE SYSTEMS

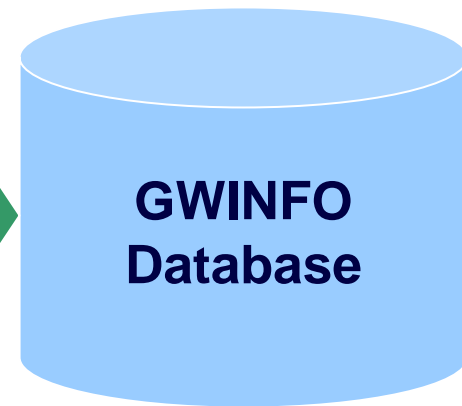


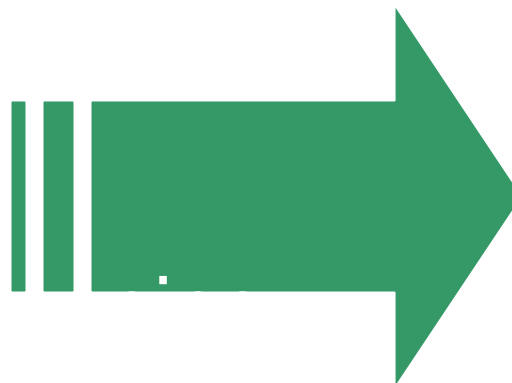
- Access Databases
- Unix Databases
- Excel Spreadsheets
- Text Files
- Paper Documents

# Stand-Alone Systems



**How?**





```
graph LR; DB[(GWINFO Database)] -- "Entry Retrieval Analysis" --> AI[Application Interface];
```

**GWINFO  
Database**

**Microsoft SQL Server 2000**

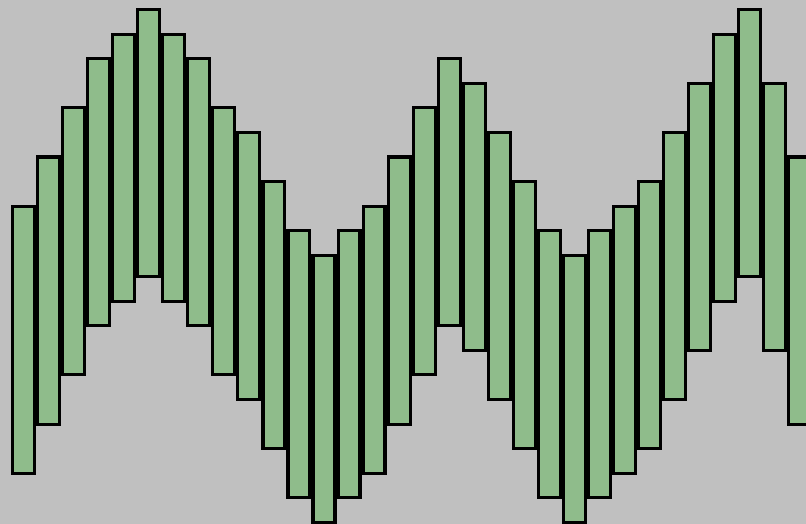
**Entry  
Retrieval  
Analysis**

**Application  
Interface**

**Microsoft Visual Basic  
.NET Application Interface**

# GWInfo Database

Ground Water Tracking and Analysis



Aquifer Tests

Groundwater

Groundwater Quality

Water Levels

Pump Tests

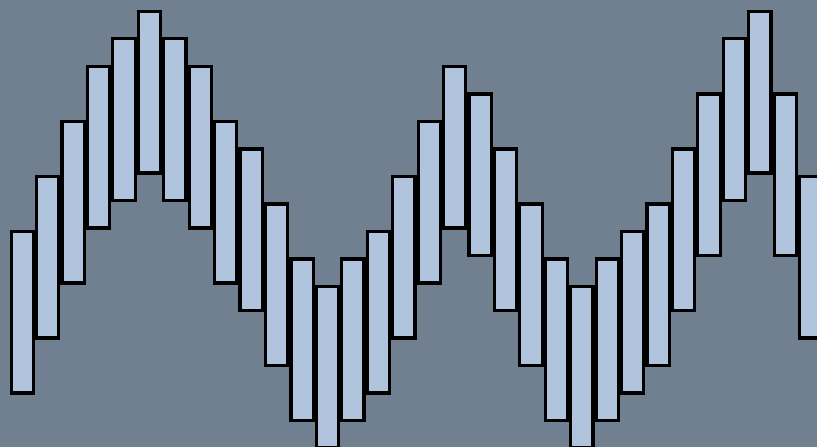
Sample Tracker

Exit Program

*Illinois State Water Survey*

# ***SAMPLE*** ***Tracker***

Sample Analysis and Tracking



*Illinois State Water Survey*

SAMPLES

CLIENTS

PROJECTS

REPORTS

QA/QC

GWINFO MAIN

SAMPLES

CLIENTS

REPORTS

MAIN

**SAMPLE** *Tracker* PROJECTS

## NEW PROJECT

Record Owner: kelly

Last User: kelly

Project List: 28 -- Kane Co. Shallow Groundwater Quality

Project ID: 28

2

Date / Time: 2/13/2004 11:19:47 AM

Project Name: Kane Co. Shallow Groundwater Quality

Types of Samples:

Groundwater

Project PI: Walt Kelly

Description: 75 shallow wells (&lt; 250 ft) were sampled for groundwater quality in October 2003.

Sampling Procedures:

Outdoor spigots upstream of any treatment devices were sampled. Water was run for 15 minutes through a Hydrolab flow

Watershed:

Privacy Level:

☐ Public☐ ISWS☒ User List-->kelly  
jonfoote

&lt;

&gt;

## NEW SITE

## DELETE SITE

Record Owner: jonfoote

Last User: jonfoote

Site List: 101122 -- 1055

Site ID: 101122

2

Date / Time: 3/3/2004 11:13:29 AM

Site Name: 1055

Source: GROUNDWATER

Type: PRIVATE WELL

Status:

Owner: Paul M. Dobberstein

Prior Owner:

Intended Use:

Casing or Screen  
Comments: DO drifting down; GassyNearby  
Pollution:

County: KANE

Municipal:

New Aquifer:

Old Aquifer:

DUP

FIPS: 089

Township: 41N

Range: 7E

Section: 8

Plot: 4h

Lamberts X: 3281089

CALC Y: 3284887

LIST

## Available Treatments:

AERATION  
ANION RESIN  
CARBON FILTER  
CHEMICAL ADDITIVES  
CHLORINATION  
DEMINERALIZATION  
DISTILLATION  
FILTRATION  
IRON FILTER  
MAGNETIC  
MUNICIPAL  
MURIATIC ACID  
NOT DETERMINED  
OTHER  
OXIDIZING FILTER

## Current Treatments

## MATCH TO WELL RECORD

## Reports

WATER QUALITY

WELL RECORD

## Scans

WELL RECORD

## Treatment Comments:

Descriptive Location:

Out-of-State Site: ☐



PROJECTS

CLIENTS

REPORTS

MAIN

**SAMPLE** *Tracker* SAMPLES

ADD NEW SAMPLE

Project Name: 1 — PSL

Find Lab Number

Last User: briank

Date / Time: 6/27/2003 2:16:46 PM

Lab Number: 232792

Sample ID: 111

2

Sample Info

Sample Analysis

Lab Number: 232792

Project Site: 71 -- DEWATERING WELL NO. I-70 WELL 1A

VIEW

NEW

Type QC: Sample

Lab:

Previous Analysis  
Lab Number:

Pump Test Sample:

☐

Coliform

☐

Sample Temp: 61.1

Gas Presence:

Date Collected: 7/ 2/2002

☐ Date  
Unknown

Time Collected: 10:34 AM

(HH:MM AM)

Date Received: 7/ 9/2002

Client: ILLINOIS DEPARTMENT OF TRANSPORTATION

VIEW

NEW

Client Comments:

NO LETTER TO CLIENT - SEND RESULTS TO BOB OLSON

ISWS Comments:

NONE

Hardness:

Calculate

Create Sample Analysis  
Report

Customer Report Comments:

☒ SAMPLE COMPLETE

PROJECTS

CLIENTS

REPORTS

MAIN

**SAMPLE** *Tracker* **SAMPLES**

ADD NEW SAMPLE

Project Name: 1 — PSL

Lab Number: 232792

Find Lab Number

Last User: briank

Date / Time: 6/27/2003 2:16:46 PM

Sample ID: 111

2

Sample Info

Sample Analysis

IMPORT ANALYSIS

&lt; ADD SELECTED

&lt; ADD DEFAULT

SAMPLE ID	STORET	COMMENT	RESULT	FORMAT	DETECT LIMIT	
111	00929		140	#.###	0.146	
111	01002		1.6	#.##	0.58	
111	01007		87	#.	2	
111	01022		743	#.	12	
111	01034	<	7	#.	7	
111	01042	<	6	#.	6	
111	01067	<	13	#.	13	
111	01092		4	#.	3	
111	00076		140	#.##	0.05	
111	00080		10	#.	5	
111	00403		7.17	#.##		
111	34773		MUSTY			
111	00950		0.27	#.##	0.06	
111	00941		160	#.##	0.15	
111	00618		0.26	#.##	0.06	
111	00946		380	#.##	0.28	
111	00410		484	#.	4	
111	82394		804	#.	1	
111	70300		1332	#.	10	
111	01105	<	30	#.	25	
111	01027	<	4	#.	4	
111	01051	<	1	#.	1	

01012 — \*BERYLLIUM, TOTAL (UG/LAS BE)  
00941 — \*CHLORIDE, DISSOLVED (MG/LAS CL)  
01034 — \*CHROMIUM, TOTAL (UG/LAS CR)  
00080 — \*COLOR (PLATINUM COBALT UNITS)  
00950 — \*FLUORIDE, DISSOLVED (MG/LAS F)  
00900 — \*HARDNESS, TOTAL (MG/LAS CAC03)  
71845 — \*NITROGEN, AMMONIA, TOTAL (MG/LAS NH4)  
00618 — \*NITROGEN, NITRATE, DISSOLVED (MG/LAS N)  
71850 — \*NITROGEN, NITRATE, TOTAL (MG/LAS NO3)  
70300 — \*RESIDUE, TOTAL FILTERABLE @180 C, (MG/L)  
00946 — \*SULFATE, DISSOLVED (MG/LAS S04)  
00076 — \*TURBIDITY - NEPHELEMETRIC  
00410 — ALKALINITY, TITRATION TO PH 4.5, LAB (MG/LAS CAC03)  
90410 — ALKALINITY, TITRATION TO PH 4.5, LAB (UG/LAS CAC03)  
01105 — ALUMINUM, TOTAL (UG/LAS AL)  
01002 — ARSENIC, TOTAL (UG/LAS AS)  
01007 — BARIUM, TOTAL (UG/LAS BA)  
01022 — BORON, TOTAL (UG/LAS B)  
01027 — CADMIUM, TOTAL (UG/LAS CD)  
00916 — CALCIUM, TOTAL (MG/LAS CA)  
00340 — Chemical oxygen demand  
00940 — Chloride (Cl)  
50064 — CHLORINE, FREE AVAILABLE (MG/L)  
50060 — CHLORINE, TOTAL RESIDUAL (MG/L)  
00095 — CONDUCTIVITY(EC)-LAB (UMHOS/CM @ 25 C)  
01042 — COPPER, TOTAL (UG/LAS CU)  
82394 — HARDNESS, CALC (MG/L)  
74010 — IRON, TOTAL (MG/LAS FE)  
01045 — IRON, TOTAL (UG/LAS FE)  
01051 — LEAD, TOTAL (UG/LAS PB)  
00927 — MAGNESIUM, TOTAL (MG/LAS MG)  
01055 — MANGANESE, TOTAL (UG/LAS MN)  
01067 — NICKEL, TOTAL (UG/LAS NI)  
00613 — NITRITE NITROGEN, DISSOLVED (MG/LAS N)

PROJECTS

SAMPLES

CLIENTS

MAIN

REPORT LIST

**SAMPLE** *Tracker* **REPORTS**

Customer Report | QA/QC Report | Customer Letter



MainReport

**WATER SAMPLE DATA**  
**LABORATORY SAMPLE NUMBER: 12**
**SOURCE:** PRIVATE WELL**OWNER:** Elma Wilmath**WELL DEPTH (Feet):** 130**DATE COLLECTED:** 10/7/2003**LOCATION:**

COUNTY: KANE

TOWNSHIP: 39N

RANGE: 4E

SECTION: 9

PLOT: 1b

**SAMPLE TEMPERATURE (C):** 11.06**TREATMENT:** NONE

PARAMETER	RESULT	UNITS	PARAMETER	RESULT	UNITS
<b>MAJOR IONS</b>					
Alkalinity (CaCO <sub>3</sub> ):	335	mg/L	Sodium (Na):	8.75	mg/L
Calcium (Ca):	77.3	mg/L	Sulfate (SO <sub>4</sub> ):	17.4	mg/L
Chloride (Cl):	3.8	mg/L			
Magnesium (Mg):	42	mg/L			
<b>METALS</b>					
Aluminum (Al):	< 0.021	mg/L	Lead (Pb):	< 0.028	mg/L
Antimony (Sb):	< 0.021	mg/L	Lithium (Li):	< 0.007	mg/L
Arsenic (As):	2.15	ug/L	Manganese (Mn):	0.097	mg/L
Barium (Ba):	0.066	mg/L	Molybdenum (Mo):	< 0.006	mg/L
Beryllium (Be):	< 0.002	mg/L	Nickel (Ni):	< 0.007	mg/L
Boron (B):	0.041	mg/L	Selenium (Se):	< 0.034	mg/L
Cadmium (Cd):	< 0.003	mg/L	Silicon (Si):	9.9	ug/L
Chromium (Cr):	< 0.004	mg/L	Tin (Sn):	< 0.015	mg/L
Cobalt (Co):	< 0.003	mg/L	Titanium (Ti):	< 0.002	mg/L
Copper (Cu):	< 0.003	mg/L	Vanadium (V):	< 0.002	mg/L
Iron (Fe):	0.507	mg/L	Zinc (Zn):	< 0.002	mg/L
<b>NUTRIENTS</b>					
Ammonium (NH <sub>4</sub> -N):	0.43	mg/L	Potassium (K):	< 3.06	mg/L
Nitrate (NO <sub>3</sub> -N):	< 0.07	mg/L			
Phosphate (o-PO <sub>4</sub> -P):	< 0.64	mg/L			

**OTHER**

Atrazine:	< 0.5	ug/L
Fluoride (F):	0.475	mg/L
Non-Volatile Org. Carbon (Tot., as C):	0.729	mg/L
pH (Field):	6.95	
Specific Conductance:	596	uS/cm
Hardness:	366	me/L

PROJECTS

SAMPLES

CLIENTS

MAIN

REPORT LIST

**SAMPLE** *Tracker* **REPORTS**

Customer Report QA/QC Report Customer Letter



MainReport

April 23, 2004

Mr. David Nelson  
1N356 Francis Rd.  
Maple Park, IL 60151

Dear Mr. Nelson:

Enclosed is a copy of the chemical analyses made on the water sample we collected from your well on 10/7/2003. The analysis shows this sample to be moderately mineralized and moderately hard.

The hardness in this sample is sufficient to cause the formation of a moderate amount of hard scale in boilers and hot water heaters, and to consume a moderate amount of soap if used for washing or laundry purposes.

Coliform bacteria were not detected in this water sample. However, the test we used is not approved by the health department, and false positive or negative results are not uncommon with this test. If you wish to have your water more reliably tested for coliform bacteria, please contact the Kane County Health Department.

None of the other parameters tested appear unusual or excessive for Illinois groundwater. However, our laboratory is only capable of identifying a limited number of the contaminants found in the Safe Drinking Water Act. Testing for radionuclides and synthetic organic contaminants, if desired, must be arranged through other laboratories. A listing of such laboratories can be found at [www.epa.state.il.us/labs/pdf/comblst.pdf](http://www.epa.state.il.us/labs/pdf/comblst.pdf) or in your yellow pages under "water". If you wish to have your treated water analyzed free of charge, you may request a sampling kit from our public service laboratory. Please contact Brian Kaiser at 217/333-9234.

Thank you again for allowing us to sample your well as part of this groundwater quality study. We sampled 75 shallow wells throughout Kane County in October 2003. We will be preparing a report on our results for the Kane County board. If you are interested, I will send you a summary of the project's results, which should be available this summer.

If you have any questions about this report or the project, please contact me.

Sincerely,

Walton R. Kelly  
Groundwater Geochemist  
217/333-3729  
[kelly@sws.uiuc.edu](mailto:kelly@sws.uiuc.edu)

LEVELS

REPORTS

MAIN

**WATER LEVELS** Database PROJECTS

NEW PROJECT

Record Owner: swilson

Last User: krennels

Project List 2 -- Mctaz

Project ID: 2 2

Date / Time: 1/27/2004 1:53:49 PM

Project Name: Mctaz

Project PI: Steve Wilson

Description:

Watershed:

Types of  
Samples:Sampling  
Procedures:

Privacy Level:

☐ Public☐ ISWS☐ User List-->jonfoote  
krennels

NEW WELL

DELETE WELL

SEARCH WELLS

Well Name: MTH-7

Well ID #: 323 2

17923N03W18.3h

RNG: 03W

Aquifer Code: 1313

Screen Length: 5'

FIPS: 179

SEC: 18

Casing: 0-225,230-266

Start Month: 2 DIGIT MONTH

TWN: 23N

PLOT: 3

Crop Report:

Start Year: 4 DIGIT YEAR

Surface Elevation: 623.5'

Measured Pnt Elev:

End Month: 2 DIGIT MONTH

Depth: 230'

Measured Ref:

End Year: 4 DIGIT YEAR

Diameter: 2"

Method:

Status:

Hydro:

Project:

Well Type:

MATCH TO WELL RECORD

Reports

WATER QUALITY

WELL RECORD

Scans

CHARTS

WELL RECORD

Well Record ID:

Last User: krennels

Last User Date: 3/18/2004 2:56:26 PM

Entered By: jonfoote

Date Entered: 2/9/2004 3:21:02 PM

## Well Construction Report

## TYPE OR PRESS FIRMLY WITH BLACK INK PEN

Complete within 30 days of well completion and send to the appropriate health dept.

1. Type of Well: a. Driven Well: Casing diam. \_\_\_\_\_ in. Depth 40 ft. 40' dry hole  
 b. Bored Well: Buried Slab ☒ Yes ☐ No  
 Hole Diameter \_\_\_\_\_ in. to \_\_\_\_\_ ft.; \_\_\_\_\_ in. to \_\_\_\_\_ ft.; \_\_\_\_\_ in. to \_\_\_\_\_ ft.  
 c. Drilled Well: PVC casing Formation packer set at depth of \_\_\_\_\_ ft.  
 Hole Diameter \_\_\_\_\_ in. to \_\_\_\_\_ ft.; \_\_\_\_\_ in. to \_\_\_\_\_ ft.; \_\_\_\_\_ in. to \_\_\_\_\_ ft.

Type of Grout	# of Bags	Grout Weight	From (ft.)	To (ft.)	Tremie Depth (ft.)
natural			0	9	

- d. Drilled Well: Steel Casing - - Mechanically Driven ☐ Yes ☐ No  
 Hole Diameter \_\_\_\_\_ in. to \_\_\_\_\_ ft.; \_\_\_\_\_ in. to \_\_\_\_\_ ft.; \_\_\_\_\_ in. to \_\_\_\_\_ ft.

Type of Grout	# of Bags	Grout Weight	From (ft.)	To (ft.)	Tremie Depth (ft.)
bentonite			0	10	

- e. Well finished within: ☐ Unconsolidated Materials ☒ Bedrock

f. Kind of Gravel Sand Pack	Grain Size/Supplier #	From (ft.)	To (ft.)
pea gravel		10	39

2. Well Use: ☒ Domestic ☐ Irrigation ☐ Commercial ☐ Livestock  
☐ Monitoring ☐ Other  
 3. Date Well Completed: 5-21-99 Well Disinfected ☒ Yes ☐ No  
 Driller's estimated well yield 400 GPD  
 4. Date Permanent Pump Installed 6-2-99  
 5. Pump Capacity 12 gpm Set at (depth) 39 ft.  
 6. Pitless Adapter Model and Manufacturer: Baker 100 BP  
 7. Well Cap Type and Manufacturer: 6" vented PVC  
 8. Pressure Tank: Working Cycle 10.3 gals. Captive Air: ☒ Yes ☐ No  
 9. Pump System Disinfected: ☒ Yes ☐ No  
 10. Name of Pump Company: Myers  
 11. Pump Installer: Jon Beckett License # 101 004 794  
 12. Clarence Kohnen License # 102 000 304  
 Licensed Pump Contractor Signature

Illinois Department of Public Health  
 Division of Environmental Health  
 525 W. Jefferson Street  
 Springfield, IL 62761

COUNTY NO. 28873

DO Not write on these lines

IMPORTANT NOTICE: This State Agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act 85-0863. DISCLOSURE OF THIS INFORMATION IS MANDATORY. This form has been approved by the Forms Management Center.

Date 7-7-99

## GEOLOGICAL &amp; WATER SURVEY WELL RECORD

13. Property Owner Robert & Kathy Rushing Well # \_\_\_\_\_  
 14. Driller Don Beckett License # 102 003910  
 15. Name of Drilling Co. Kohnen Concrete Products, Inc.  
 16. Permit No. 145-002-99 Date Issued Never go a copy of permit  
 17. Date Drilling Started 5-20-99  
 18. Well SITE address Rose of Sharon Rd  
 19. Township Name Outler Land ID # \_\_\_\_\_  
 20. Subdivision Name \_\_\_\_\_ Lot # \_\_\_\_\_  
 21. Location: a. County Perry  
 b. Township 5 S Range 4 W Section 6 1A  
 c. SE Quarter 55 Quarter NE Quarter  
 d. coordinates: \_\_\_\_\_ Site Elevation \_\_\_\_\_ ft. (msl)

## 22. Casings, Liners\*, &amp; Screen Information

Diam. (in.)	Material	Joint	Slot Size	From (ft.)	To (ft.)
6	PVC			0-41	10
36	concrete			10	39

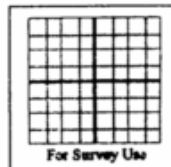
(\*) \_\_\_\_\_  
 (List reason for liner, type of upper and lower seals installed)

23. Water from clay brown, sandy at a depth of 18 ft. to 19 ft.  
 a. static water level \_\_\_\_\_ ft. below casing which is \_\_\_\_\_ in. above ground  
 b. pumping level is \_\_\_\_\_ ft. pumping \_\_\_\_\_ gpm after pumping for \_\_\_\_\_ hours

24. Earth Materials Passed Through	From (ft.)	To (ft.)
top soil	0	1
clay brown	1	9
clay lt gray & brown	9	12
clay brown & sandy	12	19
shale gray & brown	19	24
shale gray	24	39

(If DRY HOLE, fill out log &amp; indicate how hole was sealed)

Clarence Kohnen CB 102 000304  
 25 Licensed Water Well Contractor Signature License Number







# *Test* PUMP DATA

Type DW turbine Make ROMONA  
 Factory No. \_\_\_\_\_ Serial No. \_\_\_\_\_

For turbine: Length of column below base 250 Size 7"  
 No. of bowls \_\_\_\_\_ Size O. D. 8" Overall length 8' 1"  
 Suction pipe, Size 7" Length 20'  
 R.P.M. 1750 Rated capacity G.P.M. 400

For cylinder: Length of drop pipe below base \_\_\_\_\_ Size \_\_\_\_\_  
 Length of cylinder \_\_\_\_\_ Size I. D. \_\_\_\_\_ Action S. or D. \_\_\_\_\_  
 Length of suction pipe \_\_\_\_\_ Size \_\_\_\_\_  
 Length of stroke \_\_\_\_\_ R.P.M. \_\_\_\_\_ Rating per stroke \_\_\_\_\_ gal.

## For direct suction, centrifugal or rotary:

Center line pump suction from ground \_\_\_\_\_ below \_\_\_\_\_ above.  
 Size of suction \_\_\_\_\_ Size of discharge \_\_\_\_\_  
 No. of stages \_\_\_\_\_ Speed R.P.M. \_\_\_\_\_  
 Type of impeller \_\_\_\_\_ Suction lift \_\_\_\_\_  
 Discharge head \_\_\_\_\_ Rated capacity G.P.M. \_\_\_\_\_

## For direct suction, plunger or piston:

Center line pump suction from ground \_\_\_\_\_ below \_\_\_\_\_ above.  
 Type, Single \_\_\_\_\_ Duplex \_\_\_\_\_ Triplex \_\_\_\_\_  
 Size of plungers \_\_\_\_\_ Length of stroke \_\_\_\_\_  
 Size of suction \_\_\_\_\_ Size of discharge \_\_\_\_\_  
 Suction lift \_\_\_\_\_ Discharge head \_\_\_\_\_  
 Normal speed \_\_\_\_\_ Rated capacity G.P.M. \_\_\_\_\_

## Airlift: Is casing used for eductor pipe \_\_\_\_\_

Eductor pipe size \_\_\_\_\_ Length \_\_\_\_\_  
 Make of footpiece \_\_\_\_\_  
 Air pipe size \_\_\_\_\_ Length \_\_\_\_\_  
 Air pressure, Start \_\_\_\_\_ Operating \_\_\_\_\_  
 Air required, cu. ft. per minute \_\_\_\_\_

## Kind of power:

Hand, Windmill, Electricity, Steam, Gas or Oil.

Electric Motor		Steam, Gas or Oil	
Horsepower _____	Speed _____	Horsepower _____	No. cylinders _____
Current, A. or D. _____		Cylinders, I. D. _____	Stroke _____
Phase _____	Volts _____	Speed _____	
Amps. _____		Steam pressure _____	

Date 4-20-45 Reported by Jack Mills



☐ Query Public Content Only

## Project Related

Project: 28-Kane Co. Shallow Groundwater Qual

## Well Location

Location 1 | Location 2 | Location 3 | Location 4

FIPS: Township: Range: Section: 

## Location Notes:

--Use comma between Townships and Ranges.

--Use comma and/or hyphen between Sections.

--Enter leading 0 for Township, Range, and Section.

## Depth

Greater Than:

Less Than:

## Sample Date

Greater Than:

Less Than:

## Aquifer Codes

New Aquifer: (####)

Old Aquifer: (##.##)

☒ Query Untreated Only

## Stores

Primary

Secondary

Select

Selected

>	01090
<	01092
	01097
	01105
	01106
>	01130
>	01142
	01145
<	01147
<	01268
	70300
	70304
	70505
	71814
	71845
	71850
	71855
	71874
	71875
	71890
	71900

Cancel

Finished

Finish

Microsoft Excel - Sheet1																
File Edit View Insert Format Tools Data Window Help																
Type a question for help																
100% Arial 10 B I U																
Reply with Changes... End Review...																
A1 The data provided herein has not been fully verified for accuracy, completeness, or duplication.																
	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	
26																
27							00010	00059	00090	00094	00400	00403	00410	00608	00618	006
28	Depth	Old Aquife	New Aquife	Well Type	Lambert X	Lambert Y	Temp (C)	Flow (gpm)	Ox-Red Po	Cond (fld)	Ph	Ph (lab)	Alkalinity	Ammonia,	Nitrate, d	Ph
29																
30																
31	150			Kane Co.	3246356	3271578	10.8	6.25	115	527	7.08	7.63	279	0.329	< 0.07	< 0
32	155			Kane Co.	3298606	3263730	11.7	6.67	122	638	6.89	7.47	328	0.425	0.091	< 0
33	55			Kane Co.	3292969	3311341	12	6.82	109	756	7.08	7.46	319	0.351	< 0.07	< 0
34	175			Kane Co.	3335359	3230966	12	8.33	172	796	6.78	7.36	367	0.457	< 0.07	< 0
35	110			Kane Co.	3253291	3275000	11.7	7.69	114	663	7.05	7.56	362	0.523	< 0.07	< 0
36	210			Kane Co.	3291792	3250098	11.9	7.5	120	778	6.97	7.51	446	2.02	< 0.07	< 0
37	225			Kane Co.	3295491	3245619	11.4	7.5	149	561	7.15	7.68	317	0.335	< 0.07	< 0
38	180			Kane Co.	3329546	3202764	10.8	8.33	195	1053	6.88	7.46	338	0.563	< 0.07	< 0
39	195			Kane Co.	3281089	3284887	12.8	8.33	61	592	7.15	7.64	315	1.84	< 0.07	< 0
40	160			Kane Co.	3335141	3181991	12.2	7.14	150	541	7.14	7.69	286	0.335	< 0.07	< 0
41	60			Kane Co.	3299498	3198405	11.9	8.57	137	1015	6.81	7.26	369	0.223	< 0.07	< 0
42	240			Kane Co.	3249455	3167211	11.2	12	98	620	7.03	7.54	336	0.401	< 0.07	< 0
43	160			Kane Co.	3267531	3243743	11.1	12	99	578	7.09	7.68	308	0.3	< 0.07	< 0
44	200			Kane Co.	33329101	3255873	12.7	8.57	135	690	6.88	7.4	380	4.98	< 0.07	< 0
45	153			Kane Co.	33327066	3253129	11.6	7.89	166	1927	6.69	7.2	402	0.082	< 0.07	< 0
46	175			Kane Co.	33327198	3244244	11.6	6.38	156	909	6.79	7.38	366	0.929	< 0.07	< 0
47	128			Kane Co.	3267819	3287042	11.2	5.66	65	679	7.11	7.56	354	0.742	< 0.07	< 0
48	93			Kane Co.	3246898	3242594	11	7.14	77	673	7.07	7.63	349	0.443	< 0.07	< 0
49	150			Kane Co.	3332586	3195527	11.7	9.4	136	768	7.01	7.48	314	0.536	< 0.07	< 0
50	90			Kane Co.	3254950	3244842	11.7	7.32	54	567	7.28	7.69	311	0.931	< 0.07	< 0
51	240			Kane Co.	33325973	3294157	11	5.08	87	1294	6.87	7.54	372	0.923	< 0.07	< 0
52	145			Kane Co.	33316405	3252262	12.2	5.08	287	1156	6.72	7.44	387	0.08	0.172	< 0
53	210			Kane Co.	33312419	3245830	10.9	8.82	182	774	6.94	7.48	353	0.563	< 0.07	< 0
54	95			Kane Co.	3257587	3221936	11.4	8.33	117	675	6.9	7.55	336	0.491	< 0.07	< 0
55	125			Kane Co.	3272755	3205386	11.2	0	377	723	6.89	7.51	301		4.11	< 0
56	97			Kane Co.	3265301	3270624	11	0	118	794	6.82	7.43	339	1.2	< 0.07	< 0
57	180			Kane Co.	3262234	3204179	13.8	6	82	578	6.98	7.55	341	0.626	< 0.07	< 0
58	180			Kane Co.	33311046	3200792	11.6	5.88	137	804	6.87	7.38	299	0.257	< 0.07	< 0
59	75			Kane Co.	33313994	3190388	12.5	3.45	242	1114	6.81	7.27	314		1.38	< 0
60	90			Kane Co.	33305930	3251794	10.9	3.75	155	1770	6.54	7.15	545	0.528	< 0.07	< 0

# Thank You!



Illinois State  
**WATER** SURVEY



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