PROCEEDINGS OF THE BROWN COUNTY
LAND CONSERVATION SUBCOMMITTEE

Pursuant to Section 18.94 Wis. Stats., a regular meeting of the **Brown County Land Conservation Subcommittee** was held on Monday, July 27, 2009, in Room 161, UW-Extension, 1150 Bellevue Street, Green Bay, Wisconsin.

Present:	Norb Dantinne, Bernie Erickson, Mike Fleck, Dan Haefs, Dave Kaster, Norb VandeHei.
Also Present:	Kyle Buresch, Brian Eichhorst, Bill Hafs, Jim Jolly, Tom Hinz, Jack Krueger, Brian Lamers, Paul Lemke, Tom Miller, Jayme Sellen. Other Interested Parties.

I. Call Meeting to Order:
The meeting was called to order by Chairman Norb Dantinne at 7:00 p.m.

II. Approve/Modify Agenda:

Motion made by Supervisor Erickson and seconded by Supervisor Kaster to approve the agenda. MOTION APPROVED UNANIMOUSLY.

III. Approve/Modify Minutes of June 22, 2009, and Special June 30, 2009:

Motion made by Supervisor Fleck and seconded by Mr. VandeHei to approve the minutes. MOTION APPROVED UNANIMOUSLY.

1. Land and Water Conservation Department Monthly Budget Update (copy to be distributed at meeting):
Bill Hafs, C.O. Conservationist, distributed Budget Status Report (attached). Supervisor Erickson asked if revenue will increase in the upcoming months. Mr. Hafs responded in the affirmative. He said the reimbursement for staffing will increase this late in the year, and ordinance revenues will also increase.

Motion made by Supervisor Erickson and seconded by Supervisor Fleck to receive and place on file. MOTION APPROVED UNANIMOUSLY.

2. Variance request from Brian Eichhorst to build an Animal Waste Storage Facility closer than 250 feet from adjacent property. (Map and Notice of intent approval: 2009 Brian Eichhorst Pit Variance request attached):
Brian Eichhorst and Paul Lemke, Land Conservation Technician, appeared and referred to the map and Notice of Intent (signed by the neighbor affected by this) in the Agenda packet.

Motion made by Supervisor Erickson and seconded by Mr. VandeHei to approve pending County Board approval. MOTION APPROVED UNANIMOUSLY.

3. Farm Bureau and UWEX newsletter items from Land and Water Conservation Department (Farm Bureau Newsletter items attached):

(Supervisor Haefs arrived at 7:04 p.m.)

Mr. Hafs said he met with the Farm Bureau and Mark Hagedorn, Agriculture Educator at UW Extension, who agreed to publish the requested articles (see Agenda) in the respective newsletters in order to reach area farmers. Concerning the Nutrient Management classes offered by NWTC, Mr. Hafs explained that for the cost of the course (approx. $45) a farmer could be certified to do the nutrient management plan, which typically costs $5 per acre.

Motion made by Supervisor Fleck and seconded by Supervisor VandeHei to receive and place on file. MOTION APPROVED UNANIMOUSLY.

4. **Buffer strip installation agreements section 6 Humboldt – Baird Creek; Kyle Buresch LWCD summer intern:**
Mr. Buresch said that for the 35-foot buffer ordinance, he spoke with two landowners who agreed to the installation of the buffer as outlined in the Buffer Map – Steve Etienne and Clarence Vandenavond (copies attached).

Mr. Hafs stated that the significance of this is that this is the first section of land that is not in the City of Green Bay, and every mile of stream is buffered in that section. The next step is to continue to the next section.

Motion made by Supervisor Fleck and seconded by Supervisor Erickson to receive and place on file. MOTION APPROVED UNANIMOUSLY.

5. **Conservation Award – Larry Kriese, West Shore Pike Habitat Restoration Project (Attachments: Larry Kriese Conservation Award; Organizations Pump Millions from Paper Mills into Restoration Efforts):**

Motion made by Supervisor Erickson and seconded by Supervisor Kaster to receive and place on file. MOTION APPROVED UNANIMOUSLY.

6. **Director's Report:**
Mr. Hafs distributed and reviewed a Memorandum from Kevin Masarik, Groundwater Education Specialist for the Center for Watershed Science and Education (copy attached). He expressed concern regarding the results in the "Nitrate-Nitrite" section and the "Triazine" section.

At this point Supervisor Haefs referenced Item No. 5 and recommended that the County Board recognize Mr. Kriese. County Executive Tom Hinz said he was planning to recognize Mr. Kriese, as well as volunteer at the NEW Zoo (Mary Matske) at the next County Board Meeting.

Motion made by Supervisor Kaster and seconded by Supervisor Erickson to receive and place on file. MOTION APPROVED UNANIMOUSLY.

7. **Such other matters as authorized by law:**

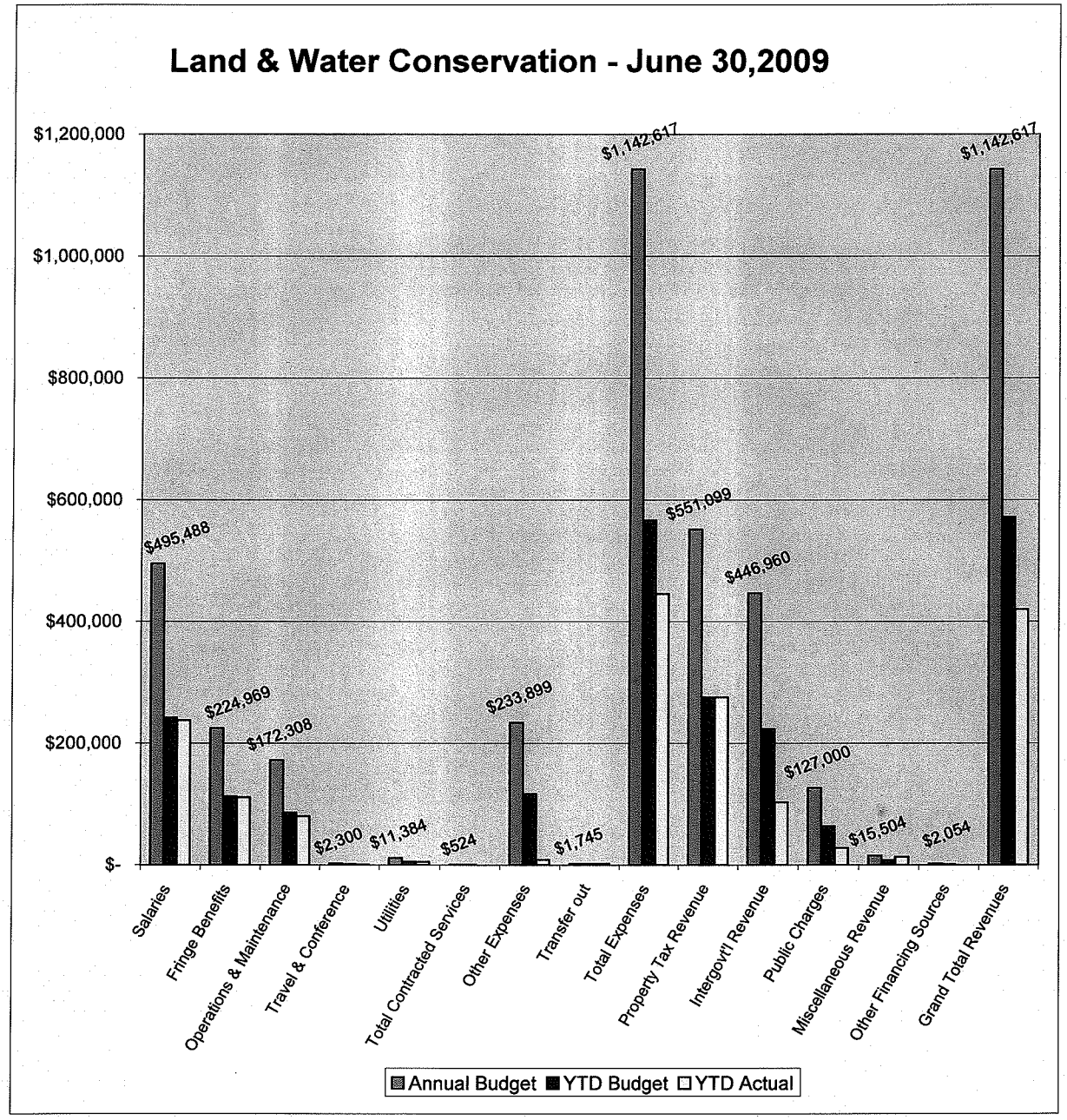
Motion made by Supervisor Erickson and seconded by Supervisor Fleck to adjourn at 7:17 p.m. MOTION APPROVED UNANIMOUSLY.

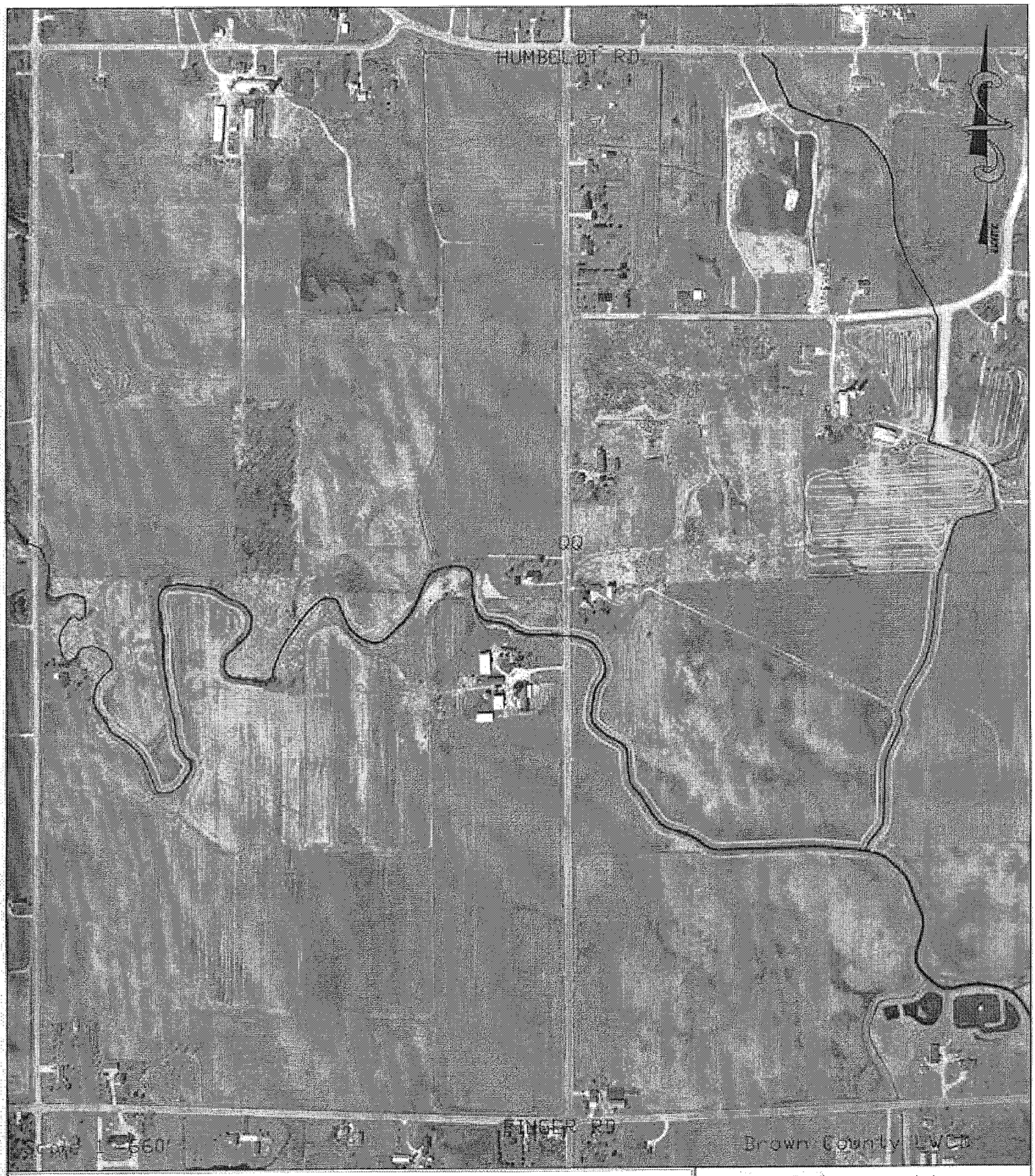
Respectfully submitted,

Lisa M. Alexander
Recording Secretary

Brown County
Land & Water Conservation
Budget Status Report
6/30/2009

	Annual Budget	YTD Budget	YTD Actual	
Salaries	$ 495,488	$ 242,027	$ 237,739	
Fringe Benefits	$ 224,969	$ 112,485	$ 111,456	
Operations & Maintenance	$ 172,308	$ 86,156	$ 80,014	
Travel & Conference	$ 2,300	$ 1,150	$ 845	
Utilities	$ 11,384	$ 5,692	$ 5,078	
Total Contracted Services	$ 524	$ 262	$ -	
Other Expenses	$ 233,899	$ 116,949	$ 8,550	Trees, DATCP LW plan, WD, West shore
Transfer out	$ 1,745	$ 1,745	$ 1,745	
Total Expenses	**$ 1,142,617**	**$ 566,466**	**$ 445,427**	
Property Tax Revenue	$ 551,099	$ 275,550	$ 275,550	
Intergovt'l Revenue	$ 446,960	$ 223,480	$ 103,225	DATCP staffing, LW plan, WD, West Shore, Fed Rev
Public Charges	$ 127,000	$ 63,500	$ 27,835	Ag fees ($80,000), Ordinance Rev ($47,000)
Miscellaneous Revenue	$ 15,504	$ 7,752	$ 13,373	Trees
Other Financing Sources	$ 2,054	$ 1,027	$ -	
Grand Total Revenues	**$ 1,142,617**	**$ 571,309**	**$ 419,983**	





Baird Creek
Buffer Acerage - 8.85

- *All buffers shown on map to be staked and established in permanent vegetation by June 2010.*
- All buffer boundries shall be staked with wood or steel posts every 250' (min.).
- Aproximate Centerline of Stream
- Buffer boundary 35' from centerline of stream

Buffer Map

Steve Etienne
OWNER

Designed: Checked:

SHEET ___ OF ___

Baird Creek
Buffer Acerage - 5.9

- All buffers shown on map to be staked and established in permanent vegetation by June 2010
- All buffer boundaries shall be staked with wood or steel posts every 250' (min)
- Aproximate Centerline of Stream
- Buffer Bounary 35' from centerline of stream

Buffer Map

Clarence Vandenavond
OWNER

Designed: Checked:

SHEET ___ OF ___

Center for Watershed Science and Education

University of Wisconsin-Stevens Point and University of Wisconsin Extension

University of Wisconsin-Stevens Point
College of Natural Resources
800 Reserve Street • Stevens Point, WI USA 54481

MEMORANDUM

TO: County offices doing drinking water testing through UW-Stevens Point
FROM: Kevin Masarik, Groundwater Education Specialist
DATE: May 2009

You have received this information because the Water and Environmental Analysis Lab at UW-Stevens Point has received more than fifteen water samples from your county during the past year **or** your county is part of our Regional Lab Program.

Enclosed is a summary of private well samples submitted by individuals in your county in 2008, as well as a five year summary for the period from 2004-2008. An explanation sheet is included which describes the characteristics and limitations of the data. If your report shows a small number of samples they may not be representative of countywide water quality. This data represents only samples in our database and does not represent all private wells or test data from any other labs.

When compared to drinking water standards nearly every county had some unsafe wells reported. The most common water quality problems encountered were elevated nitrate levels and bacteria. Corrosivity is another problems that frequently appears. Arsenic has become an increasing concern in parts of the state as well, but little is known about the problem since it is seldom tested for. There is more information about water testing for private wells and interpretive information on the Wisconsin Groundwater Center's website at www.uwsp.edu/cnr/gndwater/. The Wisconsin Dept. of Natural Resources also has a new web page entitled What's Wrong with my Water which contains useful information for diagnosing water quality problems.

Please feel free to share these results with other departments that might be interested in the information within your county. Also included in this packet is a sample press release that you can customize to include information specific to your county, if you so choose. If you need help customizing the information or would like the electronic version please let me know.

If you'd like to increase the number of samples in our data base or are looking for ways to educate residents about drinking water quality, I'd be happy to discuss opportunities to help with those goals.

If you have any other questions regarding these results or any other groundwater related issues please feel free to contact me.

Encl: 2008 Private Well Sampling Summary
5-year Private Well Sampling Summary
Summary Explanation Sheet
Sample Press Release

Phone: 715-346-4270 • Fax: 715-346-2965 • http://www.uwsp.edu/cnr/watersheds

EXPLANATION FOR
COUNTY PRIVATE DRINKING WATER QUALITY SUMMARIES - 2008

Center for Watershed Science and Education
UWEX/UWSP
May 2009

Annual private drinking water quality summaries are derived from the Center's computerized groundwater data base. The data includes private well samples voluntarily submitted by well owners and users. Samples are generally collected through the Regional Lab project in which county Extension or other county offices make bottles available, or through organized one-day collections associated with Extension drinking water education programs. Samples are analyzed at the UWSP Water and Environmental Analysis Lab.

The summary results are derived from both volunteered samples and targeted programs but do not constitute a random geographic or population sampling. The results, therefore, may not be representative of water quality for the entire county.

The following is a key to items found on the summary page:

Water Samples: A range is given because not all samples are analyzed for every parameter. To find the total number of samples run for each parameter, add up the number of samples in each range. Duplicate samples from the same well are treated as separate samples.

Well Construction and Years Since Last Water Test Information supplied by homeowner. DEPTH: AQUIF is the depth into the aquifer, defined as (depth of well - depth to water). DEPTH: WELL is the well depth. DEPTH: WATER is the depth to water. DEPTH: CASE is the depth of the well casing.

Water Test Parameters: A bracket indicates that the number that follows is included in that range. A parenthesis indicates that the number that precedes is <u>not</u> included. For example;

B [2 – 25)
C [25 – 50)

the value 2 mg/l is included in the B range, while the value 25 mg/l is included in the C range.

Percentages are based on the number of samples actually analyzed for a given parameter.

If you have questions or comments on this report, please contact Kevin Masarik at the Center for Watershed Science and Education, College of Natural Resources, UWSP, Stevens Point, WI 54481, (715)346-4276; kmasarik@uwsp.edu.

WATER SAMPLES:	324-	334
SOFTENERS:	223	67%
BACTERIA	41	13%

DEPTH:	AQUIF	WELL	WATER	CASE
Unknown	77%	47%	73%	57%
[1 - 25)	1%	0%	8%	0%
[25 - 50)	2%	1%	6%	18%
[50 -100)	6%	10%	6%	11%
[100-150)	6%	17%	3%	4%
[150-200)	3%	9%	2%	4%
[200 ...	5%	16%	2%	6%

OBSERVED PROBLEMS		
No Response	103	31%
None	172	51%
Color	27	8%
Taste	30	9%
Odor	37	11%
Health	12	4%
Corrosion	9	3%

NITRATE-NITRITE (ppm N) >10ppm UNSAFE		
A NONE DETECTED	73	22%
B [0.1 - 2.0)	71	22%
C [2 - 5)	47	14%
D [5 - 10)	47	14%
* E [10 - 20)	79	24%
* F [20 ...	8	2%

TOTAL HARDNESS (ppm CaCO3)		
A NONE DETECTED	12	4%
B [2 - 25)	13	4%
C [25 - 50)	1	0%
D [50 - 150)	0	0%
E [150 - 200)	2	1%
F [200 - 300)	44	14%
G [300 - 400)	135	42%
H [400 - 500)	86	27%
I [500 ...	31	10%

pH		
A [... 5.0)	0	0%
B [5.0 - 5.5)	0	0%
C [5.5 - 6.0)	0	0%
D [6.0 - 6.5)	0	0%
E [6.5 - 7.0)	0	0%
F [7.0 - 7.5)	5	2%
G [7.5 - 8.0)	174	54%
H [8.0 - 8.5)	138	42%
I [8.5 ...	8	2%

WELL CONSTRUCTION METHOD		
No Response	97	29%
Driven	1	0%
Dug	0	0%
Drilled	236	71%

YEARS SINCE LAST WATER TEST		
Unknown	88	26%
Never	2	1%
[... 1)	158	47%
[1 - 2)	44	13%
[2 - 5)	7	2%
[5 - 10)	18	5%
[10 ...	17	5%

CONDUCTIVITY (umhos/cm)		
A [... 50)	0	0%
B [50 - 100)	0	0%
C [100 - 200)	1	0%
D [200 - 500)	13	4%
E [500 - 800)	151	47%
F [800 - 1000)	99	31%
G [1000 ...	60	19%

SI (Saturation index)		
A [... -3)	0	0%
B [-3 - -2)	1	0%
C [-2 - -1)	8	2%
D [-1 - 0)	16	5%
E [0 - 1)	186	57%
F [1 ...	113	35%

ALKALINITY (ppm CaCO3)		
A NONE DETECTED	0	0%
B [2 - 25)	0	0%
C [25 - 50)	1	0%
D [50 - 150)	3	1%
E [150 - 200)	9	3%
F [200 - 300)	116	36%
G [300 - 400)	185	57%
H [400 - 500)	10	3%
I [500 ...	1	0%

CHLORIDE (ppm)		
A NONE DETECTED	0	0%
B [0.5 - 10)	63	19%
C [10 - 25)	62	19%
D [25 - 50)	63	19%
E [50 - 100)	96	30%
F [100 - 200)	29	9%
G [200 ...	12	4%

CALCIUM (mg/l)		
A NONE DETECTED	3	5%
B [0.1 - 25)	20	33%
C [25 - 50)	2	3%
D [50 - 200)	33	54%
E [200 ...	3	5%

IRON (mg/l)		
A NONE DETECTED	6	10%
B [0.002 - 0.3)	42	69%
C [0.3 - 1.0)	8	13%
D [1.0 ...	5	8%

MAGNESIUM (mg/l)		
A NONE DETECTED	3	5%
B [0.1 - 10)	15	25%
C [10 - 40)	19	31%
D [40 - 100)	24	39%
E [100 ...	0	0%

SODIUM (mg/l)		
A NONE DETECTED	0	0%
B [0.1 - 10)	14	23%
C [10 - 30)	12	19%
D [30 - 100)	13	21%
E [100 ...	23	37%

ZINC (mg/l)		
A NONE DETECTED	1	2%
B [0.001 - 0.1)	42	69%
C [0.1 - 1)	14	23%
D [1 - 5)	4	7%
E [5 ...	0	0%

SULFATE (mg/l)		
A NONE DETECTED	0	0%
B [0.1 - 20)	13	21%
C [20 - 100)	30	49%
D [100 - 250)	6	10%
E [250 ...	12	20%

TRIAZINE (ppb)		
A NONE DETECTED	42	88%
B [0.1 - 0.3)	6	13% ←
C [0.3 - 1.0)	0	0%
D [1.0 - 2.0)	0	0%
E [2.0 - 3.0)	0	0%
F [3.0 ...	0	0%

COPPER (mg/l)		
A NONE DETECTED	4	6%
B [0.001- 0.13)	35	55%
C [0.13 - 1.3)	23	36%
D [1.3 ...	2	3%

POTASSIUM (mg/l)		
A NONE DETECTED	2	3%
B [0.3 - 5)	46	75%
C [5 - 10)	5	8%
D [10 - 50)	8	13%
E [50 ...	0	0%

MANGANESE (mg/l)		
A NONE DETECTED	17	28%
B [0.001- 0.05)	34	56%
C [0.05 - 0.2)	8	13%
D [0.2 - 1.0)	2	3%
E [1.0 ...	0	0%

LEAD (mg/l)		
A NONE DETECTED	28	45%
B [0.002-0.015)	30	48%
C [0.015- 0.05)	3	5%
D [0.05 - 0.1)	1	2%
E [0.1 ...	0	0%

ARSENIC (mg/l)		
A NONE DETECTED	57	92%
B [0.003-0.010)	5	8%
C [0.010-0.050)	0	0%
D [0.050-0.100)	0	0%
E [0.100 ...	0	0%

DACT (ppb)		
A NONE DETECTED	0	0%
B [0.1 - 0.3)	0	0%
C [0.3 - 1.0)	0	0%
D [1.0 - 2.0)	0	0%
E [2.0 - 3.0)	0	0%
F [3.0 ...	0	0%