Letter from the President

Welcome to winter everyone! The daylight is short, the clothes are heavy, the weather cannot make up its mind, and as I write this the mud is deep! Although the Winter weather in Indiana can be drastically different from the Northern counties to the Southern counties one thing remains unchanged: every business is effected in some form by Winter! Please understand that I enjoy the different seasons and the accompanying activities. I enjoy skiing, hunting, and making the occasional snowman with my children; however, this forty-degree weather with rain is not quite ideal for work or play! I have to keep reminding myself that each passing day of Winter is one day closer to Spring!

I would like to extend a thank you from the IGWA to each of our members, vendors, manufacturing representatives, and participants for attending the convention in Michigan City! The most enjoyable part of the convention for me was giving away the door prizes at the evening trade show. I enjoyed being able to meet so many of the people that make the IGWA great. Handing out the door prizes was an excellent opportunity for me to put faces with names, and make connections with people on a more personal level. People are just naturally happy to receive something for free! With that being said I should also thank all who provided the many donations that were handed out as door prizes.

The board of directors held a meeting in early January. It was very clear from the discussion and planning during this meeting that 2017 will also be an exciting year for IGWA. We have the potential for three field days this year! These are excellent opportunities to earn our required continuing education units without setting foot in a classroom. The classroom experience will also present a great opportunity for continuing education at our annual meeting in November with a nationally renowned McGrew lecturer. Please plan to attend and support your association!

In closing I would like extend a thank you to the board of directors, and especially Jennifer Alexander for the hard work that went into planning the convention! Thank you!

May the winter be safe, profitable, and warm for each of you!

Sincerely,
Rusty McGrew, McGrew Well Drilling

IGWA 2016 Convention

Thank-you to all who attended the convention whether and attendee or an exhibitor! We had over 180 attendees this year and 50 booths exhibiting 37 different companies.

Attendees were able to receive credits needed for licensing by attending 13 different classes this year.

2018 may seem like a long way off, but the IGWA committee is busy planning our next convention. If there are exhibitors you would like to see or classes you would like to see offered, please let us know! You can email us at ingroundwater@gmail.com.

For Convention Sponsors and Silent Auction Recap see page 2.

MAY 16, 2017

Geoprobe® will present a field day in conjunction with the IGWA. They will present two classes and demonstrate equipment as part of the instruction. Details will be on the website in March and in our April newsletter.

TAX INFO FOR IGWA MEMBERS

Please note: A portion of your membership dues goes towards lobbying. This is not a tax deductible item.

The portion of your dues for lobby expense in 2016 was $3.98. Please consult your tax advisor on this matter.
The scholarship auction has been our biggest fund raiser for the Joseph L. Armstrong Family in Business Scholarship. This year we raised $2,910.00 for the fund. Thank you to all bidders for donating to this fund. The following businesses donated merchandise to the auction:

- GEFCO
- Boshart Industries
- Preferred Pump
- Kokomo Pump Supply
- IGWA
- Flomatic
- Drillers Service Inc.
- Xylem
- WellMagic
- The Knapp Supply Since 1874
- Jennifer Alexander
- Bilfinger Water Technologies
- Environmental Laboratories

Thank you!
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LIFETIME MEMBER AWARDS

Three members received lifetime member awards at the convention. They have served the IGWA and the water well industry for many years. This year’s recipients are:

Randy Aufderheide, Dean Well Drilling
Randy was a partner in Dean Well Drilling from 1979 until 2013. He took most the responsibility for service and pump installations.

Dan McCreadie, Kokomo Pump Supply
After nearly 40 years, in all capacities, at Kokomo Pump & Supply Dan McCreadie has hung up his “selling shoes” and retired. It’s hard for me to believe, but I met Dan back in the early 1980’s when we were both territory salesmen. We are fortunate when we get to be friends with friendly competitors and it is what I love about IGWA, building those kind of relationships. Dan has now joined the ranks of our Lifetime Members and his work with IGWA will be missed, but we certainly hope to continue the friendships and see him at our functions. As a post script, I’m a little worried that he is going to have the time to hone his golf game and put a whoopin’ on some of us this summer! ~ Brad White

Larry Wiley, Wiley Well Drilling
Larry Wiley, the president of Wiley Well Drilling, is a second generation well driller, taking over the business that his father, James Wiley, started in 1945. Larry is a member of the Indiana Ground Water Association as well as a past president of the association and a longtime member of the National Ground Water Association and earned his Master Ground Water Contractor status. In his free time Larry enjoys spending time with his family and friends, and collecting and restoring pedal tractors. Larry is very active with his local community and church and enjoys spending the winters in Florida.

We congratulate them on their service to the industry!

GROUNDWATER AWARENESS WEEK

Groundwater awareness week is March 5-11 this year. The National Groundwater Association has many products that you can utilize to make your customers aware of this week. As we in the industry know, groundwater is one of the most valuable natural resources we have. Educating the public is one of our best tools to ensure everyone understands this.

The tools can be found at: http://www.ngwa.org/events-education/awareness/pages/default.aspx.
Kokomo Pump Supply has been serving customers with integrity and dependability for 50 years. We are a WBE certified wholesaler of top quality products from nationally recognized manufacturers.
# Groundwater Use in Indiana

## Overview

<table>
<thead>
<tr>
<th>Description</th>
<th>Total (mgd)</th>
<th>Percentage of Total Groundwater</th>
<th>Percentage of Total Public Supply</th>
</tr>
</thead>
<tbody>
<tr>
<td>Groundwater (fresh, not saline)</td>
<td>720</td>
<td>720</td>
<td>720</td>
</tr>
<tr>
<td>Public Supply</td>
<td></td>
<td>351</td>
<td>53.50%</td>
</tr>
<tr>
<td>Individual Household</td>
<td>126</td>
<td>126</td>
<td>100%</td>
</tr>
<tr>
<td>Irrigation</td>
<td>98.4</td>
<td>98.4</td>
<td>71.80%</td>
</tr>
<tr>
<td>Livestock/Aquaculture</td>
<td>32.8</td>
<td>32.8</td>
<td>68.70%</td>
</tr>
<tr>
<td>Industrial, Self-Supplied</td>
<td>82.2</td>
<td>82.2</td>
<td>3.72%</td>
</tr>
<tr>
<td>Mining</td>
<td>4.52</td>
<td>4.52</td>
<td>0.63%</td>
</tr>
<tr>
<td>Thermoelectric</td>
<td>24.6</td>
<td>24.6</td>
<td>0.46%</td>
</tr>
</tbody>
</table>

(mgd = million gallons per day)

*All totals and ratios are measures of freshwater only.

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## Groundwater’s Role in Indiana’s Economic Vitality

- Few states can accurately or confidentially determine how many residential wells are in place. For each region, the American Housing Survey by the U.S. Census provides regional data. Indiana is found in the Midwest, along with these other states: Ohio, Michigan, Indiana, Illinois, Wisconsin, Minnesota, North Dakota, South Dakota, Iowa, Nebraska, Kansas, and Missouri. The last American Housing Survey Census indicates this region had 3,990,000 households served by residential wells, with an average of 2.55 persons per household. The U.S. Census stopped asking citizens their source of water supply following the 1990 Census. The USGS estimates the population of self-supplied water supply users in Indiana to be 1,660,000.

- 681 community water systems use groundwater for 2,380,000 people
- 573 non-community, non-transient water systems use groundwater for 197,000 people
- 2,730 non-community, transient water systems use groundwater for 359,000 people
- 4,130 irrigation wells used serving 1,410 farms and 410,000 acres

---

Reprinted from the NGWA
# Groundwater Use in the United States of America

## Total

| Groundwater (mgd — fresh, not saline) | 76,000 |
| Percentage of total freshwater supply for nation | 24.8% |

- 38% of America’s population regularly depends upon groundwater for its drinking water supply
- The U.S. bottled water industry used 5.34 billion gallons of groundwater in 2001

## Public Supply

| Groundwater (mgd) | 15,700 |
| Percentage of total groundwater | 20.7% |
| Percentage of total public supply | 37.4% |

- 90,220,000 American residents served by 39,000 groundwater-supplied community water systems
- Having 88,000 community supply wells
- 17,300 non-transient, non-community water systems serving 5,280,000 people
- Using 17,100 non-community supply wells
- 81,300 transient, non-community water systems serving 10,200,000 people

## Individual Household

| Groundwater (mgd) | 3,540 |
| Percentage of total groundwater | 4.66% |
| Percentage of total individual household supply | 98.3% |

- 34,191,000 American residents served by privately owned individual wells
- 13,100,000 occupied American households served by privately owned individual wells

## Irrigation

| Groundwater (mgd — fresh) | 49,500 |
| Percentage of total groundwater | 65.1% |
| Percentage of total irrigation | 43% |

- 476,000 irrigation wells used serving 121,000 farms

## Livestock/Aquaculture

| Groundwater (mgd — fresh) | 3,020 |
| Percentage of total groundwater | 3.97% |
| Percentage of total livestock/aquaculture | 26.4% |

## Industrial, Self-Supplied

| Groundwater (mgd — fresh) | 2,900 |
| Percentage of total groundwater | 3.82% |
| Percentage of total industrial | 19.3% |

## Mining

| Groundwater (mgd — fresh) | 1,120 |
| Percentage of total groundwater | 1.47% |
| Percentage of total mining | 49.8% |

## Thermolectric

| Groundwater (mgd — fresh) | 587 |
| Percentage of total groundwater | 0.77% |
| Percentage of total thermolectric | 0.5% |

## Water Prices

Estimates of the economic value of water are relatively few in number and vary greatly both within and across economic sectors. They range from as little as $1 to $4,500 per acre-foot (2010 dollars). Currently available estimates from the literature suggest the following values for different uses:

- Public supply and domestic self-supply — up to $4,500 per acre-foot
- Agriculture — $12 to $4,500 per acre-foot
- Manufacturing — $14 to $1,600 per acre-foot
- Electric power generation — $12 to $87 per acre-foot for cooling water at thermoelectric power plants, and $1 to $157 per acre-foot for hydropower
- Mining and energy resource extraction — $40 to $2,700 per acre-foot

The American Water Works Association surveyed water utilities in the United States, asking for each utility’s average residential consumption and the bill at that level. For systems reporting their source water was 51% or greater groundwater, the 2014 average cost/gallon was $0.00374. NGWA calculates that using 2010 estimated use volumes of 15.7 bgd for public supply and the AWWA 2014 average cost/gallon, groundwater for public supply could have an annual value of $21.4 billion.

(mgd = million gallons per day)  
(bgd = billion gallons per day)

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2. Id.
3. Calculated by using 2014 total average household size of 2.61 persons as found in the U.S. Census Bureau’s American Community Survey, available from American FactFinder multiplied by the number of occupied households using water wells in the American Housing Survey for 2013 and then adding that number to the number of residents served by groundwater-supplied community water systems.
6. The number of wells serving community water systems is estimated by using 2006 EPA data (Community Water Systems Survey) for the average number of wells per system and multiplying that by the 2015 number of community water systems using groundwater. The number of wells per community water system ranged from 1.1 wells for the smallest systems to 14 wells for larger systems. The average number of wells across all system sizes was 2.7 wells.
8. Assumes one well per non-community water system (and zero wells for those systems purchasing groundwater from another system).
10. Assumes one well per non-community water system (and zero wells for those systems purchasing groundwater from another system).
11. Assumes one well per non-community water system (and zero wells for those systems purchasing groundwater from another system).
DUES REMINDER

Just a reminder that dues were due on December 1, 2016. If you have not yet paid your dues, please remit as soon as possible.

As a member you are listed on our website for customers to find and it allows you to save on registrations to IGWA events. This is the only organization representing water well drillers in the state of Indiana. It is important that your voice is represented with your fellow drillers. If you are not a member, please consider joining the IGWA.

Indiana Ground Water Association New Member Application

Name: ____________________________________________________________

Company: ________________________________________________________

Address: _________________________________________________________

City, State, Zip: ___________________________________________________

Phone: _______________ Fax: ____________________________

E-mail: ___________________________ Website: _______________

Contractor $200______ Technical $200______ Manufacturer/Supplier $200 ________

(1st person from company $200 — Each Additional Member $50)

Names of additional individual members @ $50.00 each:

______________________________________________________________________

______________________________________________________________________

______________________________________________________________________

______________________________________________________________________

Payment Info:

Total Amount Due: $_____________________

Mail check to: Indiana Ground Water Association

P.O. Box 160

Covington, IN 47932

Fax: 765-231-4430

(or) Credit Card

Name on Card: _________________________________________________________

Mailing Address: _______________________________________________________

Card Number: ___________________________ Exp date:__________________

Zip code:____________________

Email: ingroundwater@gmail.com • Website: www.indianagroundwater.org
CORPORATE SPONSORSHIP

The IGWA board members would like to thank the following companies for their corporate sponsorship of the association. Their help now and throughout the year helps keep costs to members down for membership and events.

Platinum Sponsors sponsor at the rate of $4000.00 that covers a two year period. Bronze Sponsors sponsor at the rate of $750.00 for a one year period.

Thank-you for your continued sponsorship of this association!

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IGWA FAMILy IN BUSiNESS SCHOlarSHIP

Applicants Due April 30th

- Applicant must be a member, immediate family of IGWA member, employee of IGWA member, or immediate family member of employee.
- Applicant must be accepted at a college, university or trade or technical school. (Student may be full- or part-time.)
- All applications must be returned before April 30. Recipients will be notified by May 15.

Scholarship application and information — www.indianagroundwater.org

Calendar

March 5-11
National Groundwater Awareness Week

April 30
Deadline for Scholarship application. For more information and the application go to www.indianagroundwater.com

May 16
Geoprobe® class and demo

August/September
Fall Field Day TBD

November 2
Annual Meeting & Fall 2017 CEU class, Greenwood, IN

November 2
DNR testing Greenwood, IN

November 30
Dues renewal

IGWA Newsletter • February 2017
Your industry is complex. Your insurance doesn’t have to be.

No matter where you are in the process—whether you’re drilling, placing a pump or finishing the well—UFG offers insurance coverages tailored to the needs of the water well drilling industry, backed by a company with a proven track record of protecting business owners in the construction industry. Water well association members insured with UFG will receive:

- Products and services designed for your industry
- Preferred pricing for water well association members
- The opportunity to earn a safety group dividend*
- Quality customer service and convenience at no extra cost, including surety bonds and comprehensive loss control services

*Dividends cannot be guaranteed and must be approved by the UFG Board of Directors.

To learn more about this program, contact: Jeff Pikel | The DeHayes Group | jeff@dehayes.com | 260-424-5600

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