

Everglades Geological Society

BULLETIN



Volume 18, Number 3

January 2012

Meeting This Month: Tuesday, January 17, 2012

Speaker: Scott Manahan - Schlumberger Water Services

Topic:

Municipal Wellfield Design, Construction, and Operation

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P.O. Box 61684
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The Everglades Geological Society is an organization which seeks to promote interest in and understanding of Geology and the related Earth Sciences, and to provide a common organization for those individuals interested in geology and the related earth sciences. The Bulletin is a publication of the Everglades Geological Society, Inc.

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Meeting This Month:
TUESDAY January 17, 2012
6 pm (Social hour starts at 5 pm)

The Edison
3583 McGregor Boulevard
Fort Myers, Florida
([Meeting in the Ford Room on the first floor](#))

Thank you to our Sponsors! Please check them out in this newsletter.

Would you like to advertise in our bulletin? Please contact one of the EGS officers.

Do you know someone that would like speak at one our meetings? Please let us know.

www.evergladesgeologicalsociety.com



President's Address

Kim Arnold, P.G.

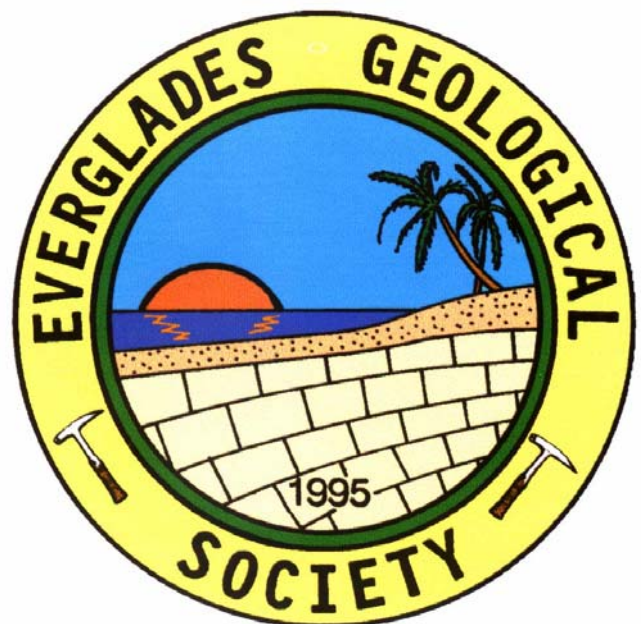
Hydrogeologist, JOHNSON ENGINEERING, INC.

Happy 2012 to all! (Despite what the Maya, Nostradamus and other internet prophets of the Apocalypse may have to say about it.). I hope everyone had a fun and relaxing holiday break and is ready to kick-off a new calendar year.

During some of his recent down time, Kapo Coulibaly, one of our directors, has worked on revamping the EGS website. This is still a work-in-progress; but, it is looking great, and more stuff will be added over time. The site is a good resource to check meeting dates and locations, get contact information and view issues of past newsletters. The new website is expected to be accessible online by the 9th of January, 2012 – Thanks, Kapo!

Our website can be found at www.evergladesgeologicalsociety.com. Please check it out and let us know if you have any ideas or suggestions—either for the website or for future speakers, field trips or club projects.

Finally, a big thanks to Scott Manahan, who will speak at the January meeting. Our depth of local talent never fails to impress.



This Month's Topic

Municipal Wellfield Design, Construction, and Operation Scott Manahan - Schlumberger Water Services.

Abstract

Groundwater is the source of approximately 40% of the public water supply provided to residents in the United States. In Florida, over 90% of the people in the state obtain their drinking water from groundwater sources. Large-scale groundwater withdrawals for municipal water purveyors are accomplished via wellfields that are typically constructed within or near the water supply service area. Most wellfields tap freshwater aquifers, but brackish and saline water sources are increasingly being utilized to meet potable water demands. A hydrogeologic test program that includes a background data review, test drilling, and computer modeling is typically conducted prior to wellfield construction in order to properly design and assess the sustainability of the resource. This presentation describes the method and procedures typically used during municipal wellfield development projects and presents some case studies of wellfields that were constructed for the municipal sector clients.

PROFESSIONAL SUMMARY

Scott Manahan, PE

Schlumberger Water Services. – Fort Myers

Water Services Operations Manager

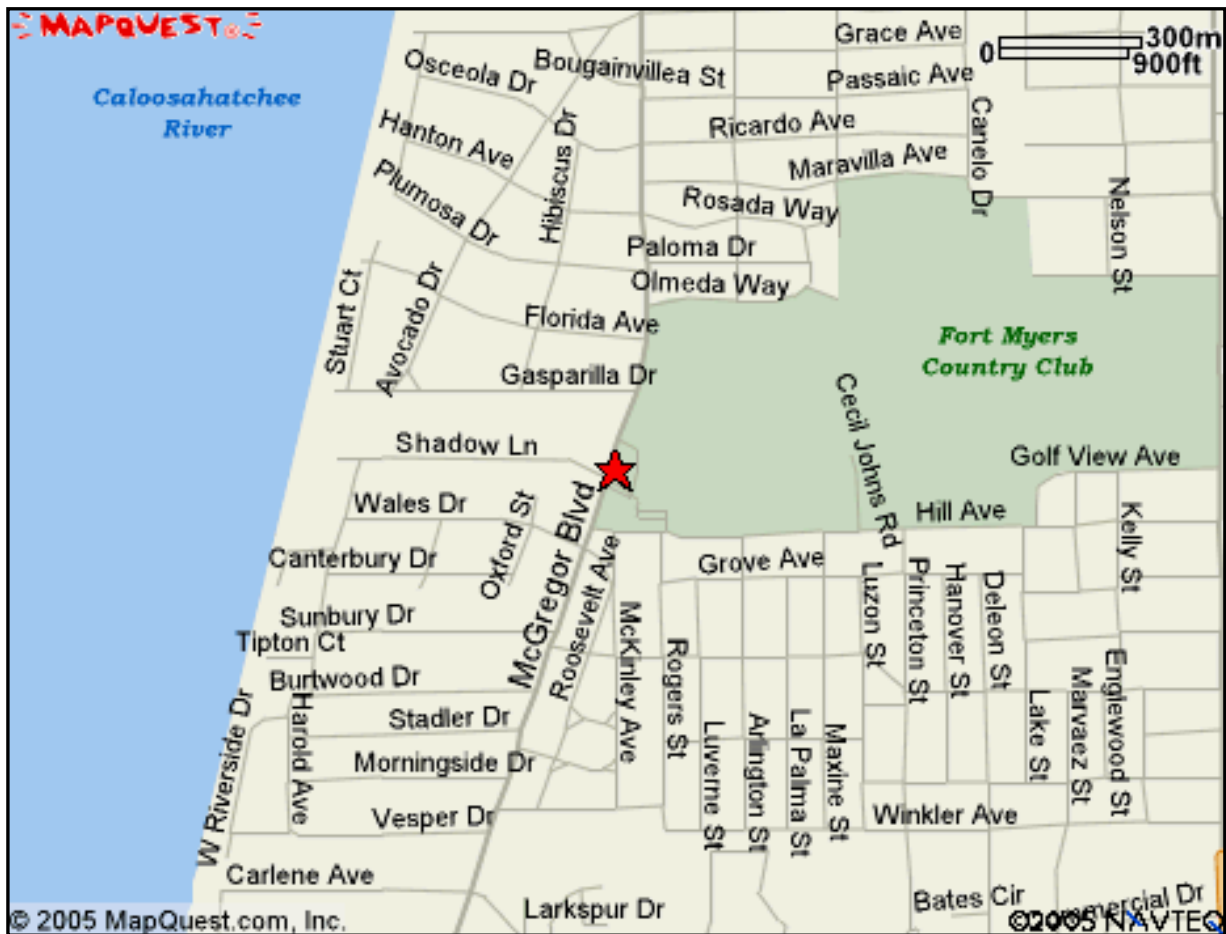
Scott Manahan is the Schlumberger Water Services Operations Manager in Fort Myers, Florida. Mr. Manahan is a water resources engineer with over 20 years experience in the design, construction, and maintenance of large-scale wellfields. He has provided these services in Florida and other locations in the southeastern US. He also has experience in the Caribbean basin and the Middle East.



Scott Manahan (left) with Tom Missimer (right) and Nemo.....(nice catch, fellas)

Everglades Geological Society

Meets on the Third Tuesday every other month at The Edison on McGregor Blvd at the Fort Myers Country Club in Fort Myers, Florida. Social hour starts at 5:00 PM. The meeting begins at 6:00 PM. No meetings are held in July or August.



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at meetings, by mail and on our web site.*
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