Everglades Geological Society

BULLETIN

Volume 8, Number 5 January 2002

Meeting This Month: January 15, 2002
6:00 P.M. at the French Connection Cafe
(social hour starts at 5:00)

Speaker: Philip Kramer, PhD
University of Miami

Topic: Geophysical Characterization Of Pre-Holocene Limestone Bedrock Underlying The Biscayne National Park Reef Tract

INSIDE THIS ISSUE

Everglades Geological Society
P.O. Box 61684
Fort Myers, FL 33906

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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Everglades Geological Society
P.O. Box 61684
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EGS MEETING THIS MONTH
TUESDAY
January 15, 2002

The French Connection Cafe
2288 First Street (at Jackson Street)
Fort Myers, Florida
(941) 332-4443

Members Come Join Us!

The new year's lineup of guest speakers has been arranged thanks to our Vice-President, Amy Tobias.

DATE	SPEAKER	TOPIC
1/15/02	Philip Kramer University of Miami	Geophysical Characterization Of Pre-Holocene Limestone Bedrock Underlying The Biscayne National Park Reef Tract
2/19/02	Tom Scott FGS, Tallahassee	Lake Jackson Sinkhole Explorations
3/19/02	Bob Baker Personic Corporation	to be announced
4/16/02	Sarah Kruse USF, Tampa	Ground Penetrating Radar
5/21/02	Michael Duever SFWMD	Hydrologic Concerns for Wetland Protection

FIELD TRIP JANUARY 19-21, 2002

FGS- Tom Scott, Harley Means; Tallahassee, FL

~ T-SHIRTS WILL BE AVAILABLE IN FEBRUARY~

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PRESIDENT'S MESSAGE
By Jack Breland

(Dowserjac@msn.com)

Dear EGS members:

I am writing to you from Leakesville, Mississippi. I am up here visiting my parents. My father is not in the best of health and I need to be with him. I hope everyone had a joyous holiday and made it through the New Year celebrations in fairly good shape. I understand that one of our illustrious members, Jack McCoy, had an emergency gall bladder surgery early in the year. Hopefully, the surgery was successful and he is recovering with no problems.

I hope all you that have the opportunity to go on the Tallahassee Field Trip scheduled on the 20th of this month will take advantage of it. I have been looking forward to this trip for sometime, as it should be good fun and we may learn something, as well. I may have some difficulty getting over there from Mississippi, but I'm sure going to try.

I would like to thank Barclay Shoemaker of the USGS in Miami for coming over in December to present his work on modeling the potential saltwater intrusion problem in Bonita Springs area. His solute-transport model was a little heavy, but the topic is very relevant to us in the water resources field.

Our tee shirts order is still out there. Apparently, our logo had to be regenerated and that has delayed things. I was hoping that we would be able to show them off on our field trip, but what the hey.

Please come to our January meeting to hear Philip Kramer discuss the possibility of finding Pleistocene fluvial sediments in the Florida Keys. That sounds like a hot topic to me!

Take care

Jack Breland

~Note to Members~

Sign-in sheets will be used at each meeting as attendance may be used for continuing education credits. . Field Trip participation can also contribute continuing education credits.

THIS MONTH'S TOPIC

Geophysical Characterization Of Pre-Holocene Limestone Bedrock Underlying The Biscayne National Park Reef Tract.

By
Philip Kramer
Division of Marine Geology and Geophysics
University of Miami

Shallow seismic investigations of the Pleistocene bedrock beneath the northern Florida Reef tract revealed the presence of a deep channel that is presently infilled with up to 18 meters of unconsolidated sediments. The channel is located 3 kilometers east of the present day shoreline at Elliot Key, and cuts across the shelf towards an indented valley-like feature between the offshore bank-margin reefs of Long Reef and Triumph Reef. The orientation, slope, and morphology of the channel suggest a fluvial origin, but other explanations, such as a collapsed cave system, cannot be ruled out. The channel has influenced patch reef formation by limiting reef growth to the elevated margins of the channel and not the channel axis, which is presently covered by sand. It is likely that other similar channels exist, but they can only be identified with further high resolution surveys. The existence of a more extensive channel network in the northern Florida shelf may suggest that fluvial processes during the last glacial period were more active than previously thought.

BIOGRAPHY

Philip Kramer is a Research Scientist with the Division of Marine Geology and Geophysics at the University of Miami. He did his undergraduate work at University of California, San Diego and received his Ph.D. in Marine Geology from the University of Miami in 1996. With over 10 years of experience doing marine geological investigations in South Florida and the Bahamas, his current research activities center around assessing and mapping coral reefs. Current projects include examining coral reefs along the remote south coast of Cuba, remote sensing investigations of coral reefs of Andros Island, and examining the origin of patch reefs in Biscayne National Park, Florida. Apart from his research, Dr. Kramer has a keen interest in marine education and gives numerous presentations to dive clubs, schools, and other organizations designed to raise awareness of coral reefs.

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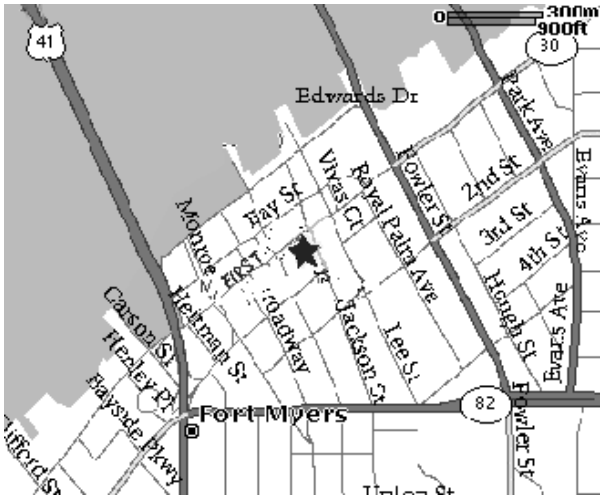
Everglades Geological Society

Meets on the Third Tuesday of each month at the French Connection Cafe on First St.in downtown 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



EGS MEETING CALENDAR 2002

January 15
February 19
March 19
April 16
May 21

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