

about it was

amazing from

the turtles to

the research

techniques

you learn to

the people we

met.

Brett Whittaker

"They were just so timid and gentle," Attum said. "They were eating sea grass out of the dive master's hand.

The turtles with the transmitters – four females named Sallam, Fahd, Nada, and Zabaragad

- have also been helpful in terms of providing information.

lust the four turtles were outfitted with transmitters on their shells because of the large cost of the equipment, Attum said. Each transmitter cost about \$1,800. plus there was a subscription fee to use the satellite that transmits the location information of the turtles, he said.

As soon as the transmitters were attached, near the end of July 2010, location data poured in so that Attum, Taylor, and their

students have been able to spend the past several months analyzing what's happening with these turtles.

Two of the turtles stayed within close range of the island where they laid their eggs, but one turtle traveled several hundred miles north near the city of El Gouna, and the other traveled south

past Sudan to an area off the coast of

The data highlights a territory that spans more than 900 miles of ocean,

the importance of

"It suggests that the island is internationally important for the survival of these turtles," Attum said. "It also shows us how different these animals can be in terms of what their post-nesting patterns are."

to collect data that could have a long-term impact on green sea turtle research, Day said the actual trip itself left a lasting impression on her and other students.

"It was a wonderful experience as far as tearing down any preconceived notions I had about the Middle East," Day said. "I

consider myself a pretty well-traveled person, but there are some definite stigmas about being an American and going to places in that region. I was just so struck by how friendly and warm everyone was to us. It just really made it a once-in-a lifetime opportunity in another way, apart from the science.'

the trip a "life-changing experience."

"Everything about it was amazing from the turtles to the research techniques you learn to the people we met," Whittaker said.

Whittaker enjoyed the experience so much that he plans to join Taylor and Attum on their next trip, this time to Jordan, in summer 2011.

mountains, according to Attum.

"Den sites are a limiting factor when you talk about populations of animals, and we will be looking at whether there are enough areas that would be good for these dens inside the protected area." Attum said.

To study the foxes, the group will be working with rangers to use transmitters, he said.

The trip will also involve looking at the use of watering holes by animals like the Nubian Ibex, the striped hyena, the Arabian wolf, and several others. according to Attum.

The watering holes will be set up with motion sensor cameras that will take photos when they sense movement so that the students can study the images later, according to Attum.

to tag turtles.

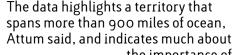
"It will be different animals but there are parallels as far as the field research skills used. It's also looking at an area from a conservation biologist or ecologist viewpoint," Taylor said. "It really allows students the opportunity to participate in something hands-on and something that has implications outside just this one class." Ψ

To follow the IU visit

IU Southeast senior Hannah Day, right, and dive instructor Essam Al Mahdy swim with green sea turtles in the Red Sea. Day was one of several biology students who made the trip to Egypt



Eritrea, according to Taylor.



St. John's Island. **Everything**



Apart from helping

Biology junior Brett Whittaker called

The trip will take the two researchers and their students to the Dana Biosphere Reserve where they will look at den selection of the Blandford's fox. a small and rare fox that lives in the

Southeast turtles, http://go.iu.edu/iW

www.ius.edu IU Southeast Winter 2011