## **USA Marine Scientists Induce Spawning of Cobia**

On June 15, the Virginia Institute of Marine Science (VIMS) cobia (*Rachycentron canadum*) were induced to spawn in water system. According to VIMS aquaculture specialist Mike Oesterling, this is the initial step in the development of c

Dr. Bill DuPaul, head of the Virginia Sea Grant Marine Advisory Program, explained: "Cobia are considered prime canc aquaculture development because of their fast growth rate as juveniles and an expanding demand for them in the sea place".

Said Oesterling: "Cobia are highly-prized both as a food fish and a recreational trophy fish. We've been investigating t cobia culture for four years now. But this is our first attempt at spawning."

Previous work was conducted on wild-harvested juvenile cobia that were obtained from commercial fishermen. Those stage for the spawning by providing information on handling and holding cobia in captivity.

Using funding from a National Sea grant aquaculture initiative grant, personnel from the VISM finfish aquaculture profor the capture of broodstock fish by recreational cobia fishermen. They then transferred the fish to holding facilities a Point campus of VIMS, part of the College of William and Mary.

Once at VIMS, the fish were administered a hormonal implant to stimulate the release of eggs and sperm, and were p 7500 gallon (34,087-litre) recirculating water system equipped with filtration units and egg collection devices. Within hormonal implants, the six female cobia - several weighing close to 50lb (22.68kg) - and three male cobia began span

"We began collecting fertilized eggs around 8:30 am on June 15, and on June 16 at 4:00 pm, the fish were still produ Oesterling. "Literally, the fish have produced millions of eggs. The eggs were then taken to our larval culture facility for further on-growth."

The overall goal of the cobia culture project is to produce juvenile fish and investigate the requirements for commerci-Additionally, vital life history information will be obtained during the larval and early juvenile stages of the cobia. As y they will be the subject of different growth studies aimed at providing valuable information for the continued culture c

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