

Mississippi Gulf Fishing Banks, Inc.

Activity Report for the Period June 9 thru July 14, 2016

Activity Summary

During this period there was 1 Construction Trip and 4 trips made to deploy USM Sensors. MGFFB, working cooperatively on a USM/GCRL project headed up by Dr. Scott Milroy, a dozen data loggers were deployed in the Gulf to measure Dissolved Oxygen, Temperature, and Salinity, every 15 minutes. Hopefully the information will yield insight into hypoxia conditions and sources plaguing Mississippi's Artificial Reefs. On June 11, Recording Sensors were deployed on FH-13 and FH-7. On June 12, one was deployed on FH-10. On June 15, two more units were deployed on FH-3 & FH-14 following the deployment of 62 Juvenile Fish Habitats (Fish Dice) in FH-3. On June 22, a trip was made to deploy the remaining 7 units in FH-2, FH-1, FH-6, FH-4, FH-12, FH-8, and Cat Island. See the [Deployment Web Page](#).

160615 "Fish Dice" Deployments

The Mississippi Department of Marine Resources (MDMR) designed and deployed 160 Juvenile Fish Habitat units last month and this month they deployed 62 more units in FH-3. Reefmakers of Orange Beach, Alabama performed the work at the direction of the MDMR. See [last month's report](#) for more details on the design. ID 579F3 is the Eco-Reef.

[FH-3 Fish Dice Gallery](#) [FH-3 Deployment Video](#) [FH-14 Deployment Video](#)

Reef IDs and Coords

160615A 30°09.930'N 88°45.062'W 573F3
160615B 30°09.914'N 88°45.034'W 574F3
160615C 30°09.912'N 88°45.038'W 575F3
160615D 30°09.900'N 88°44.987'W 576F3
160615E 30°09.910'N 88°45.008'W 577F3
160615F 30°09.951'N 88°45.000'W 578F3
160615G 30°09.942'N 88°44.963'W 579F3



USM/GCRL Recording Sensors Deployed

MGFBB has been working cooperatively with a USM/GCRL project headed up by Dr. Scott Milroy. A dozen data loggers were deployed in the Gulf to measure Dissolved Oxygen, Temperature, and Salinity, every 15 minutes. Hopefully the data will give insight to mitigate and determine sources of hypoxic (low oxygen) events. The first two recorders were deployed on June 11 in FH-13 and FH-7. The next one was deployed in FH-10 on June 12. A Scuba Regulator malfunctioned and prevented further deployments that day. On June 15, two more units were deployed in FH-3 and FH-14 following the FH-3 Fish Dice Deployments. Also noted on this trip was a large area of dead menhaden that went for miles, possibly due to the menhaden industry. On June 22, the remaining 7 units were deployed taking advantage of some very calm weather. Worth noting was visual hypoxic conditions on FH-3 where not a single fish was observed and the only life seen was a single dead crab. The observations on FH-14 were similar, however some juvenile red snapper were seen upon first encountering the structure. Problems finding Bay Balls in FH-8 led to deploying the unit on Concrete instead. Also, the Dive Computer failed late on June 22 preventing retrieval of temp data for that day.



The table below details the deployments.

Date-Time	Site	Description	Depth	Temp	Video - Coords
2016June11 8:10am	FH-13	Barataria Bay	75'/88'	68°F	https://youtu.be/NU4haxyA46E 29°59.605 88°30.361
2016June11 11:48am	FH-7	Jumbo Barge	116'/130	69°F	https://youtu.be/pu7-1Cakt5Y 29°36.870 88°24.593
2016June12 2pm	FH-10	CableOne Ant	11'/13'	84°F	https://youtu.be/QU-Pmw_s7vM 30°15.889 88°38.963
2016June15 12:15pm	FH-3	Chevron Boat	39'/45'	69°F	https://youtu.be/-qXaxSnmbxs 30°09.935 88°45.002
2016June15 1:11pm	FH-14	My Wife II	30'/34'	68°F	https://youtu.be/cK3_m0VZ9xU 30°12.403 88°49.844
2016June22 7am	FH-2	St. Elmo	54'/62'		https://youtu.be/MH9-IYALzxc 30°04.820 88°33.278
2016June22 9am	FH-1	Ole Faithful	58'/69'		https://youtu.be/x8X03Nega4c 30°02.276 88°36.488
2016June22 10:30am	FH-6	Reef Balls	60'/65'		https://youtu.be/tbT_TfIG7UM 30°02.063 88°41.691
2016June22 11:45am	FH-12	Frank Taylor	40'/45'		https://youtu.be/YjNpsA7hMf4 30°02.886 88°45.0483
2016June22 12:30pm	FH-4	Ship Is Barge	27'/31'		https://youtu.be/MGmGxLxpqoc 30°10.142 88°54.005
2016June22 1:30pm	Cat Island	Cat Is Wreck	11'/12'		https://youtu.be/rJFJkYgQpR0 30°12.152 89°04.912
2016June22 2:30pm	FH-8	Concrete	11'/12'		https://youtu.be/FMj-ByzGwcA 30°16.074 88°57.651