Brooks McCall Powerpoint Bullets 5/21/2010 Sampling Period

- Contrary to the previous days report "that the SW oriented deep plume was diminishing in size", it now appears likely that it is still present and has only shifted to a more westerly orientation. Significant fluorescence was detected at Station B41 at a depth of 1100–1300 meters 1.5 kilometers from the wellhead.

- Dissolved oxygen values ranged between 2.7 and 7.1 mg/l. The use of the colorimetric method for dissolved oxygen analysis (LaMotte field kit) was resumed. DO values from all 3 onboard sources compared well with the historical DO profiles from the Gulf.

- Toxicity results were provided for 5/20/2010. Organisms were exposed to two samples, one at 300m with no fluorescence signal (B36D), and one in the middle of a deep dispersed oil plume (B 36J). No significant toxicity was found in the dispersed oil plume relative to lab controls.