

## Greetings All :- Guidance for Tuesday, August 31st

Jon Fajans is running the mission guidance calls and providing guidance from ICP Houma with input from the OSAT and JAG.

The updated depiction of the DO sag / depression (interpreted as an impact of the subsurface dispersed oil) is shown below as figure 1. 10 stations have been added since yesterday. Figure 2 is a depiction of general location of the ships that are underway tomorrow.

Notes from the 3pm CDT call:

**American Diver** working with the HOS Davis and conducting acoustics and water sampling above 100M.

**Brooks McCall** Completed Transect 9 (station 9&10 with nothing of note to report) and are en route to transect 10 stations 16,17,18).

**Cape Hatteras** will continue working in the same area conducting high res. mapping and CTD casts.

**HOS Davis** completed ROV water sampling and holocam at T3S3. Anomaly (.4mg/ml DO depression) reported at 1077M and found to be approx. 135M thick. Sampled above and below anomaly. Will repeat sampling at T4S3 and then proceed to 27.81, 88.982 to release NAVO deep drifter.

**Oceanus** spent the past day doing a series of CTD casts at the following stations:

27° 10.17'N      90° 22.82'W, 26° 54.82'N      90° 41.28'W, 27° 09.30'N      90° 42.58'W,

27° 09.03'N      90° 39.20'W, 27° 01.89'N      90° 31.06'W They found O2 sags up to a few mg/L and beam transmittance features spanning up to a few hundred m of the water column and centered around 1050 to 1150 m depth. They still have not found significant quantities of methane or other oil-related compounds in the water column. They are now heading N to a mud volcano (GC600) to sample a region affected by natural oil and gas inputs.

**Pisces** Conducted a west to east leg along S12 looking for shifting of the anomaly to the west. Re-sampling of T17 S12 showed a stronger signal than before, and T14 S12 showed a weaker signal than before. Moving from north to south in the wedge with a positive fluoro hit at about T9S1 and a weaker signal about 10km south near the S3 line.

**Ryan Chouest** sampling to the south west of Port Theodore if sea conditions allow. Alternative is to move up the SW pass of the Mississippi for sampling.

## SPECIFIC VESSEL GUIDANCE

### Brooks McCall

Sampling Location	Latitude	Longitude
Transect 10 Station 18	26.824622	89.576531
Transect 10 Station 17	26.912728	89.597856
Transect 10 Station 16	27.000836	89.619208

Be safe and have a good evening,

jon

Map Date: 30-August-2010

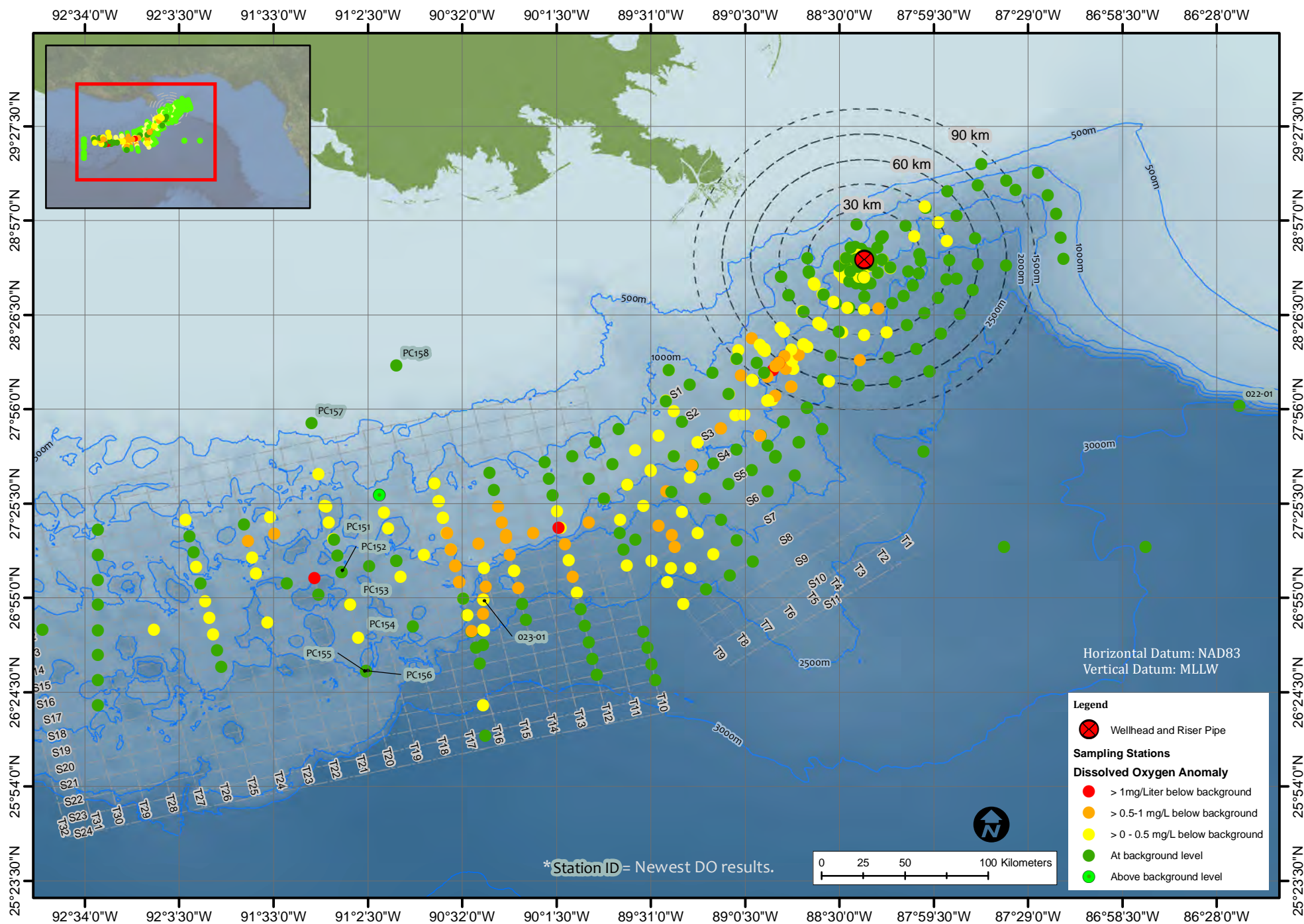
# Dissolved Oxygen Results 1000 - 1500 Meter Depths

Mission Guidance



Data Cumulative from 03 Aug to 29 Aug, 2010

Deepwater Horizon Response, Gulf of Mexico



Date: 30-August-2010

# Subsurface Monitoring: Mission Guidance



## Mission Guidance

## Deepwater Horizon Response, Gulf of Mexico

