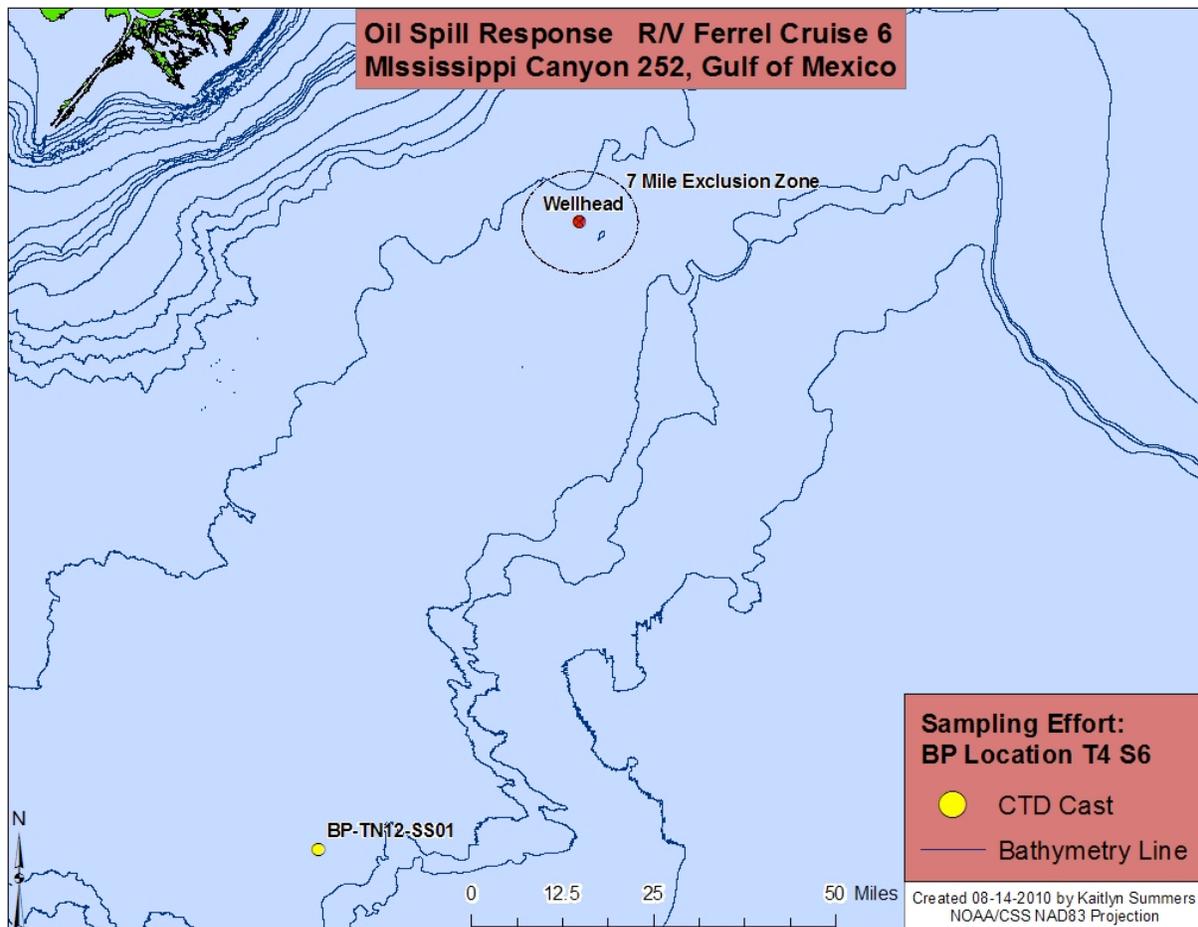


14 August 2010 R/V Ferrel Status Report, Cruise 6 – Day 1

Compiled by Zach Weber, Chief Scientist

1.) Site Conditions, Daily Activities and Sampling Locations

The Ferrel spent the day mobilizing to T4 S6 as directed in the Daily Mission Guidance. The Ferrel arrived on location at 1800 78 miles South South West of the well head and sampled one site: Station 6 Transect 4. Weather conditions: Air Temperature 88 degrees Fahrenheit, seas 2 feet, current 1kt out of the West, winds 6kts out of the North West, 50% cloud cover. One CTD cast was undertaken to try to locate and sample remnants of the dispersed oil plume that may be around the 1150m depth as indicated by a dip in dissolved oxygen levels and a rise in fluorescence in the water column. The cast (T4 S6) was conducted with no altimeter reading for depth of seabed (CTD total depth 1400m), showed no visible peak in fluorescence or depression in dissolved oxygen. Field analyses included dissolved oxygen, fluorescence, temperature, pH and salinity. Water samples were also collected for further chemical and microbiological analyses at 3 depths on the cast (at 1000m, 1120m and 1300m). In addition, surface water samples were collected for microbiology analysis.



The results of the 1 CTD cast were:

Station	Position from wellhead	Fluorescence signal	Signal depth	Comment
BP-TN12-SS01 (T4 S6)	78 miles SSW	None	N/A	No DO decline.

2.) Air Quality

Not required.

3.) Science Crew

Name	First Name	Affiliation	Role
Weber	Zach	CTEH	Chief Scientist
Jessich	Michael	Entrix	Water Sampler
Alex	Hill	CTEH	Water Sampler
Smith	Craig	C&C	Party Chief Team
Burke	Emily	C&C	Oceanography Team
McLeod	Alex	C&C	Oceanography Team
Reid	Francine	LBNL	Microbiologist
Joyner	Dominique	LBNL	Microbiologist
Summers	Kaitlyn	NOAA	Data Manager