

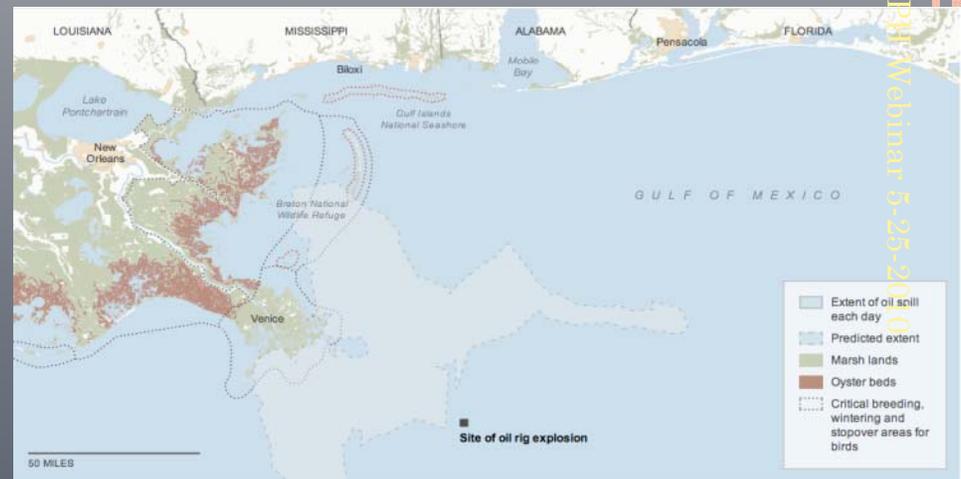


COMMUNITY IMPACTS OF BP DEEPWATER HORIZON CRUDE OIL RELEASE

UTMB-NIEHS Center in Environmental
Toxicology COEC: Jonathan Ward (Reporting),
John Sullivan (Investigating), Sharon Petronella
(Director)

LOCATIONS AFFECTED BY OIL SLICK

- *Primary area of community concern: parishes of southeast Louisiana*
- *Rural, isolated coastal communities*
- *Economy based on fishing and other marine activities*
- *Very low elevation, mostly coastal marshes and swamps*



Approximately May 7th

MAJOR COMMUNITY CONCERNS IDENTIFIED BY COMMUNITIES DURING TOWN HALL

Ecosystem Concerns: 1) integrity of coastal marshes, 2) acceleration of land-loss / subsidence, 3) fragile habitat destruction, 4) exposure to oil residue / dispersant by regional flora / fauna, 5) collapse of estuarine systems



COMMUNITY ECONOMIC CONCERNS



Question at community meeting in Dulac, LA – 17 miles from Terrebonne Parish coast.

- *Disruption of shrimping / fishing season*
- *Loss of investment in smaller-scale commercial fishing enterprise*
- *Damage to equipment*
- *Impact of Louisiana / Gulf fishery reputation*
- *Long-term impact on productivity of fishery*
- *Will BP actually pay? (Exxon /Valdez precedent)*

Social Impacts: 1) PTSD effects from Katrina, Rita, Gustav & Ike compound the social / economic consequences of BP Oil Disaster, 2) disruption / dislocation of family life, sleep patterns, 3) individual psycho-somatic symptoms. 4) further erosion of coastal fishing culture, Houma culture, 4) despair as hurricane season moves in...



ROLES PLAYED BY UTMB COEC EJ ENCUENTRO NETWORK PARTNERS AS BP OIL DISASTER UNFOLDS

- *Bayou Interfaith Shared Community Organizing (BISCO): organized community Town Hall meetings with state / federal response representatives throughout S. Louisiana*
- *Louisiana Bucket Brigade: created interactive “Oil Spill Crisis Map” to gather community reports of odors, tar ball sightings, injured / oil covered wildlife throughout Gulf Coast (<http://oilspill.labucketbrigade.org/>).*
- *Louisiana Environmental Action Network: supported air / water monitoring by independent scientist, Wilma Subra (monitorimng results posted on LEAN web site at www.leanweb.org).*
- *Barataria Bay / Riverkeeper, Tracy Kuntz, sponsored appearance of (Cordova AK / Exxon-Valdez survivor) marine biologist Riki Ott in Laffitte, LA.*

PEPH CONCERNS TO ADDRESS

- ***Exposures from oil release***
 - ***Oil components***
 - ***Dispersants***
 - ***Routes of exposure***
 - ***Direct contact***
 - ***Air***
 - ***Food chain (Subsistence or sport food harvest)***
- ***Cumulative risks from stress and economic impacts***
- ***Communication with communities***
 - ***Hearing concerns***
 - ***Education***
 - ***General***
 - ***Specific to PEPH research***