

Gulf States Contact Information for BP Oil Spill

Collected from multiple sources and individuals, thank you.

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I. BP Oil Spill Information:

- New web address <http://www.restorethegulf.gov/>
- <http://deepwaterhorizonresponse.com> Joint Information Center 866-448-5816 This site includes : reporting numbers, information on claims, volunteer information, vessels of opportunity program and other information related to the oil spill. Sign up for text messages now available.
- To report oiled wildlife, please call 1-866-557-1401.
 - i. Provide the following information
 - Type of animal (i.e., bird, mammal or turtle);
 - Location (be as specific as possible, e.g., beach name, where on beach in the specific state);
 - Time last seen; and
 - Your name and phone number in case we need to reach you.

- ii. Tri-State Rescue & Research responds to oiled wildlife. Wildlife organizations/experts should coordinate with them by calling: 302-737-7241 e-mail: (hstout@tristatebird.org) <http://www.tristatebird.org/> Experienced marine mammal experts, sea turtle responders, and veterinarians should contact their regional or state stranding coordinator to be placed on a standby response list.
 - To discuss oil related damage, call 1-800-440-0858
 - To report oiled shoreline or request volunteer information, call 866-448-5816
 - Oil on Private Property Report:
 - i. Private beaches and marshes – Cleanup crews from Mobile Unified Command are cleaning private beaches and marshes. To arrange for cleanup, property owners should call 866-448-5816.
 - ii. Other private property (such as oil tracked onto boardwalks, into homes, etc.) – Property owners should arrange to have affected property cleaned and then file a claim for reimbursement of their expenses.
 - iii. To file a claim, property owners should call 800-440-0858 to file a claim or go to www.DeepwaterHorizonResponse.com and click on “File a Claim.”
 - Contractors & Businesses that may have services or products that they would like to offer in response to the spill; or possibly have their company placed under contracted service: (281) 366-5511. If a contractor is already on a call-up list or under a standing contract with the local Emergency Management Agency for clean-up response services, they MUST work through the EMA.
 - **BP’s State Specific Web Pages**
 - i. Alabama <http://www.alabamagulfresponse.com/>
 - ii. Florida <http://www.floridagulfresponse.com/>
 - iii. Louisiana <http://www.louisianagulfresponse.com/>
 - iv. Mississippi <http://www.mississippigulfresponse.com/>
 - v. Texas – none at this time
- II. Training** - BP is offering Training Classes in various communities from Louisiana to Florida. Availability depends on the location’s capacity as well as personnel priorities. The official contractor for training is PEC/Premier Safety Management, Inc. www.pecpremier.com. Visit this website for more information.
- III. Regional Information and Contacts for Response to Gulf Oil Spill-Broken out by the states of AL, FL, LA, MS & TX. (Please check table below for additional information.)**
- **Alabama, Mississippi, & Northwest Florida Oil and Hazardous Substances Pollution Area Contingency Plan**
<http://ocean.floridamarine.org/acp/mobacp/gis.html>
 - i. **ALABAMA**
 - a. **Governor’s Response:**
 - Alabama Governor Bob Riley <http://www.governor.alabama.gov/>
 - b. **State Agency Lead:**
 - Alabama Department of Environmental Management
<http://www.adem.alabama.gov/newsEvents/pressreleases/2010/OilSpill.cnt>
 - c. **Communities** – those on the coast with official websites and oil spill information on them.
 - Daily Beach Update <http://www.thebeachfacts.com/>
 - Baldwin County <http://www.co.baldwin.al.us/>

1. City of Daphne <http://www.daphneal.com/>
 2. City of Fairhope <http://www.cofairhope.com/>
 3. City of Foley <http://www.cityoffoley.org/>
 4. City of Gulf Shores <http://www.gulfshoresal.gov/>
 5. City of Orange Beach www.cityoforangebeach.com/
 6. City of Spanish Fort <http://cityofspanishfort.com/>
- Mobile County <http://www.mobilecountyal.gov/>
 1. City of Dauphin Island <http://townofdauphinisland.org/>
 2. City of Mobile <http://www.cityofmobile.org/>

d. Volunteering:

- The Governor's Office of Faith-Based and Community Initiatives Alabama 211 at 1-866-421-1266 <http://www.servealabama.gov/2010/default.aspx>
- Alabama Coastal Foundation 251-990-6002 <http://www.joinacf.org/>
 1. (6/21/10) Additional Volunteer Field Observer Trainings have been scheduled: **Thursday, June 24th from 9:00 - 10:30 am; Tuesday, June 29th from 3:00 - 4:30 pm; and Thursday, July 1 from 6:00 - 7:30 pm.** All trainings will take place at 5 N Jackson street in Downtown Mobile. Please register by emailing saveourgulf@mobilebaykeeper.org to reserve a space. Details: <http://www.mynewsletterbuilder.com/email/newsletter/1410369473>
- Mobile Baykeeper (<http://www.mobilebaykeeper.org/>) local number 251-433-4229, long distance 888-433-4460 or e-mail info@mobilebaykeeper.org with your name, address, phone number, e-mail, and available resources (boat, etc.)
 1. <http://savethegulf.mobilebaykeeper.org/>
- Mobile Bay Area Food Bank - accepting donations of non-perishable food items and monetary donations to help those who have suffered economically because of the spill www.bayareafoodbank.org

e. Wildlife:

- Manatee Strandings/Sightings - <http://manatee.disl.org/>
 - Alabama – Dauphin Island Sea Lab report manatee sightings in Alabama 24 hours a day: On-line at manatee.disl.org, toll free at 1-866-493-5803, or email manatee@disl.org
- Alabama Sea Turtle strandings call: 866-732-8878
- Wildlife organizations may still address NON-oil related wildlife issues: Alabama Mobile County Public Schools Environmental Studies Center <http://www.mcpss.com/?DivisionID=2141&DepartmentID=1990&ToggleSideNav=ShowAll>

f. Emergency Management:

- Baldwin County EMA http://www.co.baldwin.al.us/PageView.asp?PageType=R&edit_id=821
- State of Alabama Emergency Management <http://ema.alabama.gov/>
- Alabama Dept. of Public Health <http://www.adph.org/riskcommunication/Default.asp?id=4362>

g. Health Issues:

- Alabama Dept. of Public Health: <http://www.adph.org/news/assets/100430.pdf>
- Alabama Department of Mental Health <http://www.mh.alabama.gov/COPI/GulfCoastOilSpillCrisis.aspx>
Mental Health Crisis Numbers: 251-450-2211 or 800-558-8295

h. Ports:

- Alabama State Port Authority http://www.asdd.com/oil_incident.html

i. Colleges/Universities

- Dauphin Island Sea Lab <http://www.disl.org>
- Auburn University
http://e2ma.net/go/8437575978/2936490/96349712/19112/goto:http://ocm.auburn.edu/news/gulf_oil_spill.html Daily Blog Updates
<http://e2ma.net/go/8437575978/2936490/96349713/19112/goto:http://www.auburn.edu/oilspillblog>
- University of Alabama <http://www.ua.edu/>
- University of South Alabama
 1. Library -<http://www.southalabama.edu/univlib/govdocs/gd/oilspill2010.html>
 2. Social Science www.stevenpicou.com

j. Other:

- Virtual Alabama (This is a downloadable program with specific instructions. May not be a simple tool to use.) <http://www.virtual.alabama.gov/>
- Mobile Bay National Estuary Program – Response Recovery Restoration
www.mobilebaynep.com
- Jimmy Buffet concert http://www.margaritaville.com/news.html?n_id=2546

ii. FLORIDA

a. Governor's Response:

- Florida Governor Charlie Crist <http://www.flgov.com/>

b. Unified Command Framework For Volunteers, Jobs, Vessels of Opportunity; Qualified Community Responders Programs Supporting Deepwater Horizon Incident in the Florida Peninsula and Keys <http://ht.ly/20JYM>

c. BP Florida Response Web Site <http://www.floridagulfresponse.com/>

d. State Agency Lead:

- Florida Department of Environmental Protection
<http://www.dep.state.fl.us/deepwaterhorizon/>

e. State of Florida General Information Hotline: (985) 902 5231

f. The Florida Emergency Information Line (FEIL) will operate from 8 a.m. to 6 p.m. until further notice. The number for residents to call is: 800-342-3557.

g. Communities – those on the coast with official websites and oil spill information on them, counties listed from west to east along the coast. Note, many coastal communities are unincorporated and don't have official websites.

- **Mote Marine Lab Beach Reporting System** for the Gulf Coast of Florida
<http://coolgate.mote.org/beachconditions/> Click on county of interest and then on the green markers for a simple beach report of daily conditions.
- Escambia County <http://www.co.escambia.fl.us/>
 1. City of Pensacola <http://www.ci.pensacola.fl.us/live/>
- Santa Rosa County <http://www.santarosa.fl.gov/>
 1. City of Gulf Breeze <http://www.cityofgulfbreeze.com/>
- Okaloosa County <http://www.co.okaloosa.fl.us/index.asp>
 1. City of Destin <http://www.cityofdestin.com/>
 2. City of Ft. Walton Beach <http://www.fwb.org/>
 3. City of Mary Esther <http://www.cityofmaryesther.com/>
- Santa Rosa County-<http://www.santarosa.fl.gov/oilspill/index.html>
- Walton County – Office of the Sheriff - <http://www.waltonso.org/>
- Bay County - <http://www.co.bay.fl.us/>
 1. American Red Cross, Bay County
(850) 763-6587
oilspill@redcrosscpc.org
- Gulf County - <http://www.gulfcounty-fl.gov/>
- Franklin County - <http://www.franklincountyflorida.com/>
- Taylor County - <http://www.taylorcountygov.com/>

- Citrus County - <http://www.bocc.citrus.fl.us/> For volunteer opportunities people are directed to <http://www.naturecoastvolunteercenter.org/>
- Pinellas county - <http://www.pinellascounty.org/oilspill/>
- Manatee County - <http://www.mymanatee.org/>
- Sarasota County - <http://www.scgov.net/>
- Charlotte County - <http://charlottecountyfl.com/>
- Lee County - <http://www.lee-county.com/>
- Collier County - <http://www.colliergov.net/> Volunteer contacts:
 1. Rookery Bay (Donna Young) 239-417-6310 X 412
 2. National Park Service (Cerisa Swanberg) 305-242-7752
 3. State Park Service (Carol Imbriani) 941-486-2155
 4. Conservancy of SW Florida (Kathy Worley) 239-403-4223
- Monroe County - <http://www.monroecounty-fl.gov/>
- Brevard County – Though not impacted, Keep Brevard Beautiful is working with shoreline monitoring contact kbboilspillvolunteers@yahoo.com or call (321) 631-0501 ex. 204
- Broward County - As there is no reported or immediate threat to Broward’s beaches, currently there is no call for immediate volunteers associated with oil spill cleanups. However, volunteer contribution is greatly encouraged and appreciated by registering now for regularly scheduled beach clean ups and possible opportunities related to this incident. For registration, visit www.volunteerbroward.org. For information on local efforts and developments go on to Broward County’s site - Oil Spill News - <http://www.broward.org/news/pages/oilspill.aspx> .

h. Volunteering:

- Volunteer Florida The Governor’s Commission on Volunteerism & Community Service <http://www.volunteerfloridadisaster.org/>
- www.VolunteerFlorida.com
- Apalachicola River Keeper <http://www.apalachicolariverkeeper.org/>
Working with Mobile Bay Keeper in Alabama.
- <http://www.volunteerfloridadisaster.org/> Volunteer Florida Foundation-Coast Watchers will work within the coastal communities where they live or visit and commit to do the following:
 - Report **injured** or **oiled animals** to the **Wildlife Distress Hotline: 1-866-557-1401**
 - Report **oiled shoreline** to: **1-866-448-5816**
 - Report a change in **Air Quality** to: <http://www.epa.gov/bpspill/>

Coast Watchers are **not permitted** to enter off-limit areas to obtain observations and must not make contact with oiled wildlife, vegetation, and beaches due the health concerns associated with contact. Citizens wanting to become a Coast Watcher do not require any special training or registration. However, they should be conscious of the coastal environment in their community. If a Coast Watcher observes contaminated wildlife, vegetation, or shoreline, it should be reported immediately to the numbers above. For up-to-date volunteer opportunities regarding the oil spill, visit www.volunteerflorida.org.

- Leon County, Florida collecting supplies – county by county information <http://www.volunteerfloridadisaster.org/volunteer.html> contact for a list of needs and drop off locations.
- First Call for Help – Northwest Florida Community <http://fcfh.info/> - oil spill information

- Gulf Islands National Seashore, National Park Service-Volunteers were trained on Sunday, June 20th to assist in patrols on the national seashore beaches, inform visitors about health and safety, swimming recommendations, clean up efforts, and protection of park resources during oil spill response.
<http://www.nps.gov/guis/planyourvisit/oil-spill-response.htm> <http://ht.ly/20CYJ>
- i. Training:**
- <http://www.bereadyescambia.com/training/> United Way First Response Number: 850-595-5905 Escambia County Emergency Management.
- j. Work Opportunities:**
- Florida Gulf Recovery Jobs-Employ Florida Marketplace
<http://gulfrecoveryjobs.employflorida.com/portals/gulfrecoveryjobs/>
 - Employ Florida Marketplace
<http://www.employflorida.com/jobbanks/joblist.asp?session=jobsearch&geo=1201000000&t=q&faqq=&geotype=&city=&zip=&radius=>
- k. Wildlife:**
- Florida - Florida Fish and Wildlife Conservation Commission for strandings or injured animals only 1-800-404-5430
 - If you come across dead birds in the state of Florida please contact the Florida Wildlife Commission by filling out this online form <http://myfwc.com/bird/>
 - Florida Wildlife Sanctuary, call (850) 433-9453 <http://98.173.19.72/>
 - Save Our Seabirds <http://saveourseabirds.com/>
 - Suncoast Seabird Sanctuary <http://www.seabirdsanctuary.com/>
 - Alaqua Animal Refuge <http://www.aarflorida.com/?p=370>
 - Florida Wild Mammal Association <http://www.wakullawildlife.org/>
- l. Emergency Management:**
- Florida Disaster: Florida Division of Emergency Management
<http://www.floridadisaster.org/index.asp>
 - The Florida Emergency Information Line (FEIL) will operate from 8 a.m. to 6 p.m. until further notice. The number for residents to call is: 800-342-3557
- m. Health Issues:**
- Florida Dept. of Health (*Nothing yet posted related to the oil spill; there is a link to FL DEP's page addressing that issue.*) <http://www.doh.state.fl.us/>
 - Florida Department of Children and Families- Mental Health (nothing yet posted regarding the oil spill)
<http://www.dcf.state.fl.us/programs/samh/MentalHealth/index.shtm>
- n. Colleges/Universities**
- Florida State University <http://www.fsu.edu/>
 - Oil Spill Academic Task Force <http://oilspill.fsu.edu/> 15 Partner Institutions
 - University of Miami <http://www.miami.edu/>
 - University of South Florida <http://www.usf.edu/index.asp>
 - Mote Marine Lab <http://www.mote.org/>
 - Mote Marine Lab Beach Reporting System for the Gulf Coast of Florida
<http://coolgate.mote.org/beachconditions/> Click on county of interest and then on the green markers for a simple beach report of daily conditions.
- o. Other:**
- Reports of fraud or price gouging hotline is 1-866-966-7226.
 - Small business guidance www.MyFloridaCFO.com or by calling 850-413-3089 or toll-free at 877-MY-FL-CFO (1-877-693-5236).
 - Coast Guard Mobile Area Contingency Plan visit:
<http://ocean.floridamarine.org/ACP/MOBACP/StartHere.html> .
 1. To view the Coast Guard St. Petersburg Area Contingency Plan visit:
http://research.myfwc.com/features/view_article.asp?id=3482

- Florida State Parks, visit: www.floridastateparks.org 850-245-2157.
- Tourism – Florida Travel Update - <http://www.visitflorida.com/>

iii. LOUISIANA

- a. **Governor's Response:** Office of the Governor Bobby Jindal <http://gov.louisiana.gov/>
 - Governor's Office of Homeland Security and Emergency Preparedness (GOSEP) <http://gohsep.la.gov/>
 - GOSEP Twitter Updates <http://twitter.com/gohsep>
 - Louisiana's Joint Information Center for media inquiries JIC@la.gov
- b. **State Agencies:**
 - Louisiana Dept. of Environmental Quality www.deq.louisiana.gov/portal/
 - Louisiana Department of Education http://www.doe.state.la.us/lde/misc/oil_spill_resources.aspx
- c. **Communities:**
 - Terrebonne Parish <http://www.tpcg.org/index.php>
 - Lafourche Parish <http://www.lafourchegov.org/>
 - City of New Orleans <http://www.cityofno.com/>
 - Jefferson Parish Convention and Visitors Bureau <http://www.experiencejefferson.com/>
 - Plaquemines Parish <http://www.plaqueminesparish.com/>
 - St. Bernard Parish <http://www.sbpj.net/>
- d. **Volunteering:**
 - The Coalition to Restore Coastal Louisiana is "acting as a volunteer clearinghouse." Anyone interested in helping can fill out the volunteer form accessible at <http://www.crcl.org/>
 - LA Gulf Response Louisiana Volunteer Program <http://www.lagulfresponse.org/home.html>
 - Barataria-Terrebonne National Estuary Program <http://www.gulfresponse.org/>
 - Greater New Orleans Foundation helping communities adversely effected by the oil spill <http://www.gnof.org/gulf-coast-oil-spill-fund/disaster-on-the-gulf-coast/>
 - Louisiana Bucket Brigade <http://www.oilspill.labucketbrigade.org/>
- e. **Work Opportunities:**
 - The Louisiana Workforce Commission (LWC) 877-529-6751 <http://www.laworks.net/>
 - US Containment Boom- 2000+ jobs available for Louisiana Gulf Coast Oil Spill Cleanup https://secure.blueoctane.net/formexperts.com/content/members/preview_for_m.php?form_id=K6J8TEMTZHTF&method=hosted Found posting here: <http://www.cleanupoil.com/forums/index.php?/topic/98-louisiana-bp-oil-spill-jobs-workers-needed/>
- f. **Emergency Management:**
 - Louisiana Emergency Page with hotlines for reporting on oil rig damage and claims + volunteer information <http://emergency.louisiana.gov/>
 - Louisiana Governor's Office of Homeland Security and Emergency Preparedness <http://gohsep.la.gov/oilspill.aspx>
- g. **Wildlife:**
 - Louisiana Marine Mammal and Sea Turtle Rescue Program (LMMSTRP) volunteer organization out of Audubon Aquarium of the America in New Orleans. If you encounter a live, or dead beached marine mammal or sea turtle call (504) 235-3005 and give a precise location. www.auduboninstitute.org/visit/aquarium
 - Louisiana Dept. of Wildlife and Fisheries <http://www.wlf.louisiana.gov/oilspill/>
- h. **Health Issues:**

- Louisiana Department of Health & Hospitals <http://www.dhh.louisiana.gov/>
- Louisiana Department of Health and Hospitals-Office of Mental Health <http://www.dhh.louisiana.gov/offices/?ID=62>

i. Ports & Transportation:

- <http://www.grandisleport.com/> Grand Isle Port Commission
- <http://www.dotd.louisiana.gov/> LA Dept. of Transportation & Development

j. Colleges/Universities:

- Louisiana State University <http://www.lsu.edu/> LSU System <http://www.lsusystem.edu/oilSpill/>
- Tulane University http://tulane.edu/parents/oil_spill.cfm

k. News:

- Nola.com <http://www.nola.com/news/gulf-oil-spill/>

iv. MISSISSIPPI

a. Governor's Response:

- Governor Haley Barbour www.governorbarbour.com/features/Oilspillresourcesindex.html

b. State Agencies:

- Mississippi Department of Marine Resources 228-374-5000 <http://www.dmr.state.ms.us/>
- Mississippi Dept. of Environmental Quality: http://www.deq.state.ms.us/MDEQ.nsf/page/Main_OilSpillLinksandPublicInformation2010?OpenDocument

c. Communities

- Hancock County <http://www.hancockcountymss.gov/> (no oil information)
- Harrison County <http://www.co.harrison.ms.us/>
 1. City of Biloxi <http://www.biloxi.ms.us/>
 2. City of D'Iberville <http://diberville.ms.us/>
 3. City of Gulfport <http://www.ci.gulfport.ms.us/>
 4. Pass Christian <http://www.ci.pass-christian.ms.us/>
- Jackson County <http://www.co.jackson.ms.us/>
 1. City of Gautier <http://www.gautier-ms.gov/>
 2. City of Ocean Springs <http://www.oceansprings-ms.gov/>
 3. City of Pascagoula <http://www.cityofpascagoula.com/>

d. Volunteering:

- United Way of South Mississippi <http://www.uw-sm.org/>
- Oil Spill Response Volunteers – no longer taking volunteer information. Site appears inactive, <http://oilspillvolunteers.com/index.php> From their site, “Everyone who registered at OilSpillVolunteers.com must register at the state sites.”
- Mississippi Commission for Volunteer Service <http://www.mcvss.org/>
- Pascagoula River Audubon Center <http://pascagoulariver.audubon.org/issues-action/oil-spill-efforts>
- Institute for Marine Mammals (IMMS): <http://www.imms.org/index.php>
- South Mississippi Voluntary Organizations Active in Disaster (SMVOAD) <http://smvoad.com>

e. Work Opportunities:

- Vessels of Opportunity-281-366-5511
- Mississippi Dept. of Employment Security <http://mdes.ms.gov/Home/docs/Oil%20Spill/OilSpill.jsp>

f. Wildlife:

- Mississippi Institute for Marine Mammal Studies in Gulfport, MS is prepared to **take animals from the entire region**. If you encounter a live, or dead beached marine mammal, including Dolphins and Whales call: 888-767-3657
<http://www.imms.org/>
- Mississippi Board of Animal Health: MBAH is currently asking veterinarians or veterinary technicians who are interested in assisting with the oil spill to contact Dr. Carla Huston at Huston@cvm.msstate.edu or Dr. Brigid Elchos at Brigid@mdac.state.ms.us . in the event there are animals are affected. Until that time MBAH recommends that those who are interested to gather credentials in the following areas: Certifications and experience in Oiled Animal Response. Certifications and experience in Haz-Mat Awareness and Operations 3. Incident Command. System training and experience (ICS 100, 200, 700) 4. Current State Licensures if you are a veterinarian.
- Report fish kills-228-523-4128

g. Emergency Management:

- Mississippi Emergency Management Agency <http://www.msema.org/> Oil Spill Questions: 866-519-MEMA (6362) 8am-6pm

h. Health Issues:

- Mississippi State Department of Health Issues Guidance on Gulf Oil Spill
http://healthymms.com/msdh/site/_static/23,9689,195.html
- The Mississippi Department of Mental Health
<http://www.dmh.state.ms.us/disaster.htm>

i. Colleges/Universities:

- Mississippi State University <http://www.msstate.edu/web/experts/oilspill.php>
- University of Southern Mississippi <http://www.usm.edu/index.php>
 1. Gulf Coast Research Laboratory-The University of Southern Mississippi
<http://www.usm.edu/gcrl/bp.spill/index.php?PHPSESSID=4073421ba162705a6aee329a8818d7f6>

- j. Oil Spill 2010 “The District”** <http://www.2010oilspill.com/> operated by Southern Mississippi Planning and Development District

v. TEXAS

- a. Governor Rick Perry** <http://www.governor.state.tx.us/>

- b. The Texas General Land Office oil spill reporting toll-free number is 1-800-832-8224**
<http://www.glo.state.tx.us/>

c. Communities

- Counties not yet addressing the Deepwater Horizon Event on their sites
 1. City of Galveston <http://www.galveston.com/default.asp>

d. Volunteering:

- Galveston Bay Foundation http://galvbay.org/volunteer_oil_signup.html The Galveston Bay Foundation remains on standby to provide volunteer help in the case of any local impacts from the oil spill in the Gulf of Mexico. If you would like to provide direct help to our sister organization, the Coalition to Restore Coastal Louisiana, please go to
<http://www.crcl.org/coalitionprograms/oilspillrecovery.html>

e. Wildlife:

- Wildlife Rehab and Education Response Team <http://wrande.org/2010/05/on-standby-for-deepwater-horizon-oil-spill/> “. . . Oiled Wildlife Response Team stands ready 24/7 and is on standby to respond to any and all wildlife impacted by the oil . . .” 713-861-WILD (713-861-9453)

f. Emergency Management:

- Galveston County Office of Emergency Management <http://www.gcoem.org/>
- Texas Division of Emergency Management
<http://www.txdps.state.tx.us/dem/index.htm>

g. Health Issues:

- Texas Dept. of State Health Services (*Nothing yet posted related to the oil spill*) <http://www.dshs.state.tx.us/>
- Texas Dept. of State Health Services (nothing yet posted regarding the oil spill)
<http://www.dshs.state.tx.us/mentalhealth.shtm>

h. Colleges/Universities:

- Harte Research Institute-Texas A& M University-Corpus Christi
http://www.hartheresearchinstitute.org/index.php?option=com_content&view=article&id=129:hri-researchers-contribute-expertise-on-oil-spill&catid=21:frontpage-news&Itemid=297

IV. Air Quality Environmental Protection Agency 1-800-424-8802

- To view Gulf coastline air monitoring data <http://www.epa.gov/bpspill/air.html>
- Real Time Air Quality <http://gulfcoast.airnowtech.org/>

V. Federal Agency Websites:

- <http://www.noaa.gov/> -National Oceanic & Atmospheric Administration
 - NOAA's Office of Response & Restoration, Page dedicated to Oil Spill:
<http://response.restoration.noaa.gov/deepwaterhorizon>
 - NOAA Deep Horizon Oil Spill 2010 Image Index
<http://ngs.woc.noaa.gov/deepwh/DEEPWH0000.HTM>
 - NOAA's National Coastal Data Development Center <http://www.ncddc.noaa.gov/>
- Federal U.S. Department of Interior http://www.doi.gov/news/doinews/2010_04_23_news.cfm
- <http://www.epa.gov/bpspill/> -Environmental Protection Agency
- EPA Response to BP Spill – Submit a Technology Solution
<http://www.epa.gov/bpspill/techsolution.html>
- U.S. Fish and Wildlife Service <http://www.fws.gov/>
- National Park Service <http://www.nps.gov/archive/features/oilspillresponse/index.htm>

VI. Regional Organizations:

- **Google Oil Spill Calendar for public meetings**
<http://www.google.com/calendar/embed?src=mcapps%40gulfragesteoe.org&ctz=America/Chicago> To post to the calendar email L.D Hinesley ldhinesley@gulfragesteoe.org
- Disaster Assistance.gov Access to Disaster Help and Resources
<http://www.disasterassistance.gov/disasterinformation/deepwater.html>
- GOMOC Gulf of Mexico Oil Crisis <http://www.gulfofmexicooilcrisis.com/>
- Gulf of Mexico Coastal Ocean Observing System <http://gcoos.tamu.edu/products/oilspill.html>
- Gulf of Mexico Sea Grant Programs <http://gulfragesteoe.tamu.edu/oilspill/index.htm>
- www.stormsmartcoasts.com Website for community leaders interested in storm resiliency

VII. Health Issues:

- Centers for Disease Control & Prevention- <http://emergency.cdc.gov/gulfoilspill2010/>
Frequently asked questions about how the oil spill can impact human health
http://www.cdc.gov/nceh/oil_spill/faq.htm
- Poison Control Center <http://www.aapcc.org/DNN/> 800 222-1222

- U.S. National Library of Medicine National Institutes of Health Crude Oil Spills and Health <http://sis.nlm.nih.gov/dimrc/oilspills.html>
- U.S. Department of Labor Occupational Safety & Health Administration (OSHA) <http://www.osha.gov/Publications/3172/3172.html>
- Exxon Valdez Recovery "Black Wave: The Legacy of the Exxon Valdez" <http://www.blackwavethefilm.com/>

VIII. Fishing Information:

- Recreational Boaters on BoatU.S. <http://www.boatus.com/pressroom/release.asp?id=505>
- Fishing Advisory- NOAA National Fisheries Service - <http://sero.nmfs.noaa.gov/>
- Roffer's Ocean Fishing Forecasting Service, Inc. www.roffs.com

IX. Wildlife Organizations:

- Oiled Wildlife Care Network Homepage: <http://www.owcn.org/>
- Marine Mammal Health and Stranding Response Program: <http://www.nmfs.noaa.gov/pr/health/>
- International Bird Rescue Research Center <http://www.ibrrc.org/>
- National Audubon Society-Oil Spill Response Action Center. Volunteer Entry Form: http://www.audubonaction.org/site/Survey?ACTION_REQUIRED=URI_ACTION_USER_REQUEST_S&SURVEY_ID=3400

X. Social Networking Sites: Facebook & Twitter:

We are limiting the link list to Facebook groups and Twitter accounts. A number of groups are beginning to develop pages, some spreading rumors and others holding inflammatory discussions.

BLOG:

- Gulf Oil Blog - University of Georgia Department of Marine Science team sampling the Gulf waters and tracking the plumes - at sea now - <http://gulfblog.uga.edu/>
- Bill Finch Oil Spill Blog: <http://blog.nature.org/2010/06/gulf-oil-spill-is-there-a-cure/> Bill Finch Gulf Oil Spill: Is There a Cure?

FACEBOOK:

- Official Facebook page providing information regarding the Gulf Coast Deepwater Horizon Oil Spill. <http://www.facebook.com/lisapjackson?v=wall#!/DeepwaterHorizonResponse?ref=mf>
- Lisa P. Jackson is the Administrator of the U.S. Environmental Protection Agency. <http://www.facebook.com/lisapjackson?v=wall>
- National Oceanic and Atmospheric Administration (NOAA) <http://www.facebook.com/profile.php?id=1654460459#!/usnoaagov?ref=ts>
- Alabama Coastal Foundation: <http://www.facebook.com/group.php?gid=121646667846792&v=info#!/pages/Alabama-Coastal-Foundation/144073012011?ref=ts>
- Gulf Coast Oil Spill Volunteers: <http://www.facebook.com/group.php?gid=121928837818541&v=info>
- Help Save the Gulf Coast from the Oil Leak: <http://www.facebook.com/group.php?gid=121646667846792&v=info>
- Mobile Bay National Estuary Program: <http://www.facebook.com/#!/mobilebaynep?ref=ts>
- Mobile Baykeeper: <http://www.facebook.com/pages/Apalachicola-FL/Apalachicola-Riverkeeper/49897534438?v=wall#!/pages/Mobile-Baykeeper/107529970908?ref=ts>
- Apalachicola Riverkeeper: <http://www.facebook.com/pages/Apalachicola-FL/Apalachicola-Riverkeeper/49897534438?v=wall>

TWITTER:

- <http://twitter.com/lisapjackson> Lisa P. Jackson is the Administrator of the U.S. Environmental Protection Agency.

- http://twitter.com/Oil_Spill_2010
- <http://twitter.com/usnoaagov> National Oceanic and Atmospheric Administration (NOAA)
- <http://twitter.com/audubonsociety> National Audubon Society
- <http://twitter.com/mobilebaynep> Mobile Bay National Estuary Program
- <http://twitter.com/MobileBaykeeper> Mobile Baykeeper
- <http://twitter.com/ApalachRiver> Apalachicola Riverkeeper
- <http://www.twitter.com/FLDEPalert>

www.gulfofmexicoalliance.org

www.gulfallianceeducation.org

XI. GULF OIL SPILL: TEACHER AND STUDENT RESOURCES

The following material was compiled by the volunteers of the Gulf of Mexico Alliance Environmental Education Network. The list focuses primarily on resources relevant to educators and students (primarily K-12), but it is not a comprehensive list of resources. While care has been taken to review most of the material presented, teachers should use their best judgment and discretion in the selection of materials for use with their students (especially links leading off of the main pages identified below). The GOMAEEN would like to thank the educators from around the Gulf who contributed links and resources.

EDUCATIONAL MATERIALS AND RESOURCES FOR TEACHERS AND STUDENTS

Caution: Oil is a hazardous substance and teachers should avoid conducting field or classroom labs with it. Also, please keep in mind safety (see [National Science Teachers Association NSTA Position Statement on Lab Safety](#)) and ethical (see [NSTA Position Statement on the Responsible use of Live Animals](#)) considerations when conducting any experiments related to issues such as the Gulf Oil Spill.

1. BRIDGE Oil Spill Resources (NOAA Sea Grant and NMEA):
http://www2.vims.edu/bridge/search/bridge1output_menu.cfm?q=spill
2. NOAA Office of Response and Restoration—oil spill resources for teachers and students:
[http://response.restoration.noaa.gov/audience_catalog.php?RECORD_KEY%28audience_chosen%29=audience_id&audience_id\(audience_chosen\)=2](http://response.restoration.noaa.gov/audience_catalog.php?RECORD_KEY%28audience_chosen%29=audience_id&audience_id(audience_chosen)=2)
3. Pensacola Junior College Public Broadcasting: <http://wsre.org/OilSpill/teachers-students-kids.asp>
4. NationalGeographic: <http://news.nationalgeographic.com/news/2010/05/100504-science-environment-gulf-oil-spill-loop-current-florida/>
5. Oil Spill Academic Task Force Web Site (university level): <http://oilspill.fsu.edu/>
6. Scholastic Books: <http://content.scholastic.com/browse/article.jsp?id=3754187>
7. What Happens When an Oil Spill Occurs (McDougal Littell):
http://www.classzone.com/books/earth_science/terc/content/investigations/es0703/es0703page01.cfm?chapter_no=investigation
8. Teachers' Domain, What Happens When an Oil Spill Occurs?, published December 17, 2005, retrieved on May 24, 2010, <http://www.teachersdomain.org/resource/ess05.sci.ess.watcyc.oilspill/>
9. Ca.Gov Public Education Program <http://www.coastal.ca.gov/publiced/oilspills.html>
10. PBS NewsHourExtra: http://www.pbs.org/newshour/extra/features/us/jan-june10/oil_04-30.html
11. PBS news Hour Facts and Figures: <http://www.pbs.org/newshour/rundown/oilnumbers.html>
12. NASA Images: <http://www.nasa.gov/topics/earth/features/oil-creep.html>
13. NY Times Learning Network Lesson: <http://learning.blogs.nytimes.com/2010/05/05/the-drill-on-the-spill-learning-about-the-gulf-oil-leak-in-the-lab/>
14. Smithsonian Ocean Planet Pollution Solutions Lesson Plans:
http://smithsonianeducation.org/educators/lesson_plans/ocean/pollution/lesson1/proced.html
15. Monterey Bay National Marine Sanctuary Lesson: How would an oil spill affect a marine sanctuary:
<http://montereybay.noaa.gov/educate/teachercurriculum/investigation1.html>
16. Alaskan Oil Spill Curriculum: <http://www.pwsrca.org/outreach/education.html>
17. History of Exxon Valdez Oil Spill (Prince William Sound Regional Citizens' Advisory Council):
<http://oceanservice.noaa.gov/news/weeklynews/mar09/exxonvaldez.html>
18. Exxon Valdez Oil Spill Bibliography (ARLIS):
<http://www.evostc.state.ak.us/Universal/Documents/Publications/EVOS%20Resources%20for%20Teachers%20%20Students%203%2016%2009pp.pdf>
19. NOAA Glossary from "Prince William's Oily Mess":
<http://oceanservice.noaa.gov/education/stories/oilymess/glossary.html>
20. Teacher Resources from NOAA's "Prince William's Oily Mess":
<http://oceanservice.noaa.gov/education/stories/oilymess/teachers.html#ideas>

21. AGIWeb - Earth Science World Virtual Oil Well Game

<http://www.earthscienceworld.org/games/VirtualOilWell/content/page1.htm>

22. Additional items submitted

- This Oil Spill in a Graph from Infrastructurist provides some background & perspective:
<http://www.infrastructurist.com/2010/04/30/the-gulf-of-mexico-oil-spill-shown-in-graph/>
- NY Times' tracking map, updated daily:
<http://www.nytimes.com/interactive/2010/05/01/us/20100501-oil-spill-tracker.html?ref=us>
- NY Times' Graph illustrating the Spill's Effects Underwater:
http://www.nytimes.com/imagepages/2010/05/05/us/05ecology_graphic1.html?src=tptw
- Great Lesson plan on cleaning up oil spills:
http://www.amsa.gov.au/marine_environment_protection/Educational_resources_and_information/Teachers/Classroom_Projects/Clean_up_oil_spill_exercise.asp
- Teachers' Domain, What Happens When an Oil Spill Occurs?, published December 17, 2005, retrieved on May 24, 2010, www.teachersdomain.org/resource/ess05.sci.ess.watcyc.oilspill/
- College of Geosciences, Texas A&M University <http://geog.tamu.edu/~sbednarz/bathymetry/> Bathymetry of the Texas-Louisiana Continental Shelf: Curriculum Materials for Educators; PDFs and PPTs
- Biotechnology Online www.biotechnologyonline.gov.au/pdf/enviro/oileating_bacteria.pdf Oil-eating bacteria Student Worksheet Activity - PDF file; middle to high school level
- Ca.Gov Public Education Program <http://www.coastal.ca.gov/publiced/oilspills.html> Oil Spills 2007 Bay Bridge container ship oil spill
- NOAA's Office of Education <http://www.education.noaa.gov/oilspill.html>
- Earth Gauge Gulf of Mexico
 - a. www.earthgauge.net/kids
 - b. www.earthgauge.net/kids/more
 - c. <http://www.earthgauge.net/2010/gulf-oil-spill-resources>
- The Encyclopedia of Life www.eol.org/content/page/oil_spill_2010 with information on species affected by the oil spill, as well as links to more information.
- Windows to the Universe – Resources for Teaching about Oil Spills Also in Spanish (watch out for the advertisements) www.windows2universe.org/teacher_resources/main/teach_oil_spill.html
- Louisiana Department of Education Oil Spill Education Resource Guide
http://www.doe.state.la.us/lde/misc/oil_spill_resources.aspx
- **New 07.15.10** The Swamp School The Gulf Oil Spill - A natural and physical science curriculum for middle school - in the process of publishing a new environmental science curriculum for middle school related to the Gulf Oil Spill. If you would like a free copy of the outline, please go to our online school page: <http://wet-land.com>
- **New 07.15.10** Rutgers Cool Room <http://rucool.marine.rutgers.edu/deepwater/>
- **New 07.15.10** Marilyn Sigman, COSEE Alaska, has developed new middle school lesson plans (Oil Spill Response) includes a link along with 2 podcasts and 4 videos
http://www.pwssc.org/education/oil_spill_education.shtml
- Smithsonian's Ocean Portal <http://ocean.si.edu/ocean-and-you/gulf-oil-spill/>

COMMUNICATING THE OIL SPILL WITH YOUNG STUDENTS

1. Ranger Rick's "How to Talk with Kids about the Oil Spill": <http://www.nwf.org/Kids/Ranger-Rick/Parents-and-Educators/How-To-Talk-With-Kids-Gulf-Oil-Spill.aspx>
2. Ranger Rick on The Big Oil Spill: <http://www.nwf.org/Kids/Ranger-Rick/People-and-Places/Ranger-Rick-on-the-Big-Oil-Spill.aspx>
3. National Wildlife Federation - <http://www.nwf.org/Kids.aspx>

BLOGS

1. PBS Kids Blog: <http://pbskids.org/itsmylife/blog/2010/05/the-gulf-coast-oil-disaster.html>
2. Bill Finch Gulf Oil Spill: Is there a cure? <http://blog.nature.org/2010/06/gulf-oil-spill-is-there-a-cure/>

Resources vetted through Florida Sea Grant (06.21.10)

1. Do's and Don'ts:

- Holly Ober's "Helping Oiled Wildlife: What Seems Helpful Can Be Harmful"
http://flseagrant.org/index.php?option=com_content&view=article&id=226&Itemid=111
- NOAA: Understanding Tarballs:
http://response.restoration.noaa.gov/book_shelf/2055_understanding_tar_balls.pdf

2. Gulf Food Webs:

- NOAA Fact Sheet: Shorelines and Coastal Habitats in the Gulf of Mexico:
http://response.restoration.noaa.gov/book_shelf/1889_Shorelines-fact-sheet.pdf
- NOAA Fact Sheet: Oil Spills and Coral Reefs
http://response.restoration.noaa.gov/book_shelf/1964_coral-reef-fact-sheet-v3.pdf
- Oil Spills in Mangroves: Planning and Response Considerations (a generic, older report)
http://response.restoration.noaa.gov/book_shelf/34_mangrove_complete.pdf
- Oil Spills in Coral Reefs: Planning and Response Considerations (also generic and older)
http://response.restoration.noaa.gov/book_shelf/70_coral_full_report.pdf
- Oil and Sea Turtles: Biology, Planning, and Response (same series as the last two)
http://response.restoration.noaa.gov/book_shelf/35_turtle_complete.pdf
- NOAA Fact Sheet: Effects of Oil on Marine Mammals and Sea Turtles
http://response.restoration.noaa.gov/book_shelf/1887_Marine-Mammals-Sea-Turtles-fact-sheet.pdf

3. Natural Seeps and Bacteria:

We don't have anything specific on this, but we do have some more general seafood safety stuff.

- Steve Otwell's Seafood Safety FAQs:
http://flseagrant.org/index.php?option=com_content&view=article&id=221&Itemid=105
- NOAA Fact Sheet: Ensuring the Safety of Your Seafood (general information about the Seafood Inspection program) http://response.restoration.noaa.gov/book_shelf/1888_ensuring-seafood-safety.pdf
- NOAA Fact Sheet: Oil and Seafood: Evaluating the Risks for People Who Eat Fish and Shellfish
<http://gulfseagrant.tamu.edu/oilspill/pdfs/Seafood&Oil.pdf>

4. Ocean circulation and hurricanes:

Again, we don't have anything specific, but we do have a little background from the Physical Oceanographers' Modeling Summit and a NOAA fact sheet on hurricanes.

- Karl Havens' summary of the summit:
http://flseagrant.ifas.ufl.edu/proposed_sg_atlantic/oil_spill/havens_modeling_summit_summary.pdf
- Chuck Hopkinson's summary:
http://flseagrant.ifas.ufl.edu/proposed_sg_atlantic/oil_spill/hopkinson_modeling_summit_summary.pdf
- NOAA Fact Sheet: Hurricanes and the Oil Spill
http://response.restoration.noaa.gov/book_shelf/2076_hurricanes_oil.pdf

5. Information for recreational water users:

We don't have much beyond what's already been included. I remember seeing a tarball identification guide somewhere (not on our site), but I can't seem to find it. We also have some general fishing information:

- NOAA Fact Sheet: Fish Stocks in the Gulf of Mexico
http://response.restoration.noaa.gov/book_shelf/1886_Fish-Stocks-Gulf-fact-sheetv2.pdf
- NOAA Fact Sheet: Fishing Industry in the Gulf of Mexico
http://response.restoration.noaa.gov/book_shelf/1885_fishing-industry-gulf.pdf

XII. Social Science Issues – Community Health

These resources were compiled by Ellen Abell, Extension Specialist - Human Development and Family Studies at Auburn University. Thanks!

A selection of specific articles:

[Stress Management After a Disaster: Promoting the Health and Well-Being of Families During Difficult Times.](http://cals.arizona.edu/pubs/family/az1341/az1341e.pdf)

This publication identifies the symptoms of acute and chronic stress and practical coping strategies that address problem-focused, environment-directed, emotion-focused, and self-directed skills.

<http://cals.arizona.edu/pubs/family/az1341/az1341e.pdf>

[Bouncing Back When Your Income Drops: Working Together as a Family.](http://pubs.cas.psu.edu/Freepubs/pdfs/ui341.pdf) This publication focuses on the stress of joblessness and offers information about the signs of stress that children show at different ages, warning signs of stress getting out of control, and family-centered suggestions for coping with it.

<http://pubs.cas.psu.edu/Freepubs/pdfs/ui341.pdf>

[Encouraging Family Communication after a Disaster: Promoting the Health and Well-Being of Families During Difficult Times.](http://cals.arizona.edu/pubs/family/az1341/az1341f.pdf) This publication explains how important family communication is in times of stress, even though it can be difficult, and the communication skills that it involves.

<http://cals.arizona.edu/pubs/family/az1341/az1341f.pdf>

[Talking to Children about Tough Times.](http://www.ag.ndsu.edu/pubs/yf/famsci/fs546w.htm) This publication provides actual words to say to children of different ages in helping them to understand economic downturns affecting them (for example, for situations of job layoffs, disasters, and business loss). <http://www.ag.ndsu.edu/pubs/yf/famsci/fs546w.htm>

[Family Financial Management – Interventions Following a Disaster: Promoting the Health and Well-Being of Families During Difficult Times.](http://cals.arizona.edu/pubs/family/az1341/az1341j.pdf) This publication provides a step by step process for addressing the stress of financial hardship. <http://cals.arizona.edu/pubs/family/az1341/az1341j.pdf>

Other family stress management articles can be found at any of the following eXtension Communities of Practice sites (search “family stress”):

Parenting: <http://www.extension.org/parenting>

Family Caregiving: <http://www.extension.org/family%20caregiving>

Personal Finance: <http://www.extension.org/personal%20finance>

Financial resources management articles, such as those found at the link below, are developed by the Personal Finance Community of Practice:

http://www.extension.org/pages/Financial_Security:_Managing_Money_in_Tough_Times

a. Mental Health

- United States Department of Health and Human Services: Substance Abuse & Mental Health Services Administration <http://samhsa.gov/Disaster/>
- U.S. Department of Health & Human Services. Coping with the Gulf Oil Spill-Mental Health Information <http://www.hhs.gov/gulfoilspill/mentalhealth.html>
- Louisiana Department of Health and Hospitals-Office of Mental Health <http://www.dhh.louisiana.gov/offices/?ID=62>
- The Mississippi Department of Mental Health <http://www.dmh.state.ms.us/disaster.htm>
- Florida Department of Children and Families- Mental Health (nothing yet posted regarding the oil spill) <http://www.dcf.state.fl.us/programs/samh/MentalHealth/index.shtm>
- Texas Dept. of State Health Services (nothing yet posted regarding the oil spill) <http://www.dshs.state.tx.us/mentalhealth.shtm>

b) Resources from Faith-Based Organizations

- Interfaith Disaster Task Force: <http://www.msidtf.org/>
- Church Disaster Mental Health Project: <http://www.churchdisasterhelp.org/resources.html>
Training manuals and fact sheets for dealing with disaster. Soon to come-a fact sheet addressing the oil spill.
- Gulf Coast Resources for Prayer & Action: [http://www.umc-gbcs.org/site/c.frLJK2PKLqF/b.6054719/k.178C/Gulf Coast Resources for Prayer and Action.htm](http://www.umc-gbcs.org/site/c.frLJK2PKLqF/b.6054719/k.178C/Gulf_Coast_Resources_for_Prayer_and_Action.htm)
- A collection of articles, comments, and discussions offering prayer and support to those affected by the oil spill in the Gulf of Mexico. From Christian Science Website: <http://christianscience.com/healing/gulf-oil-spill/>
- The Gulf Oil Spill: Thoughts, Prayers, and RESOURCES from Texas Interfaith Power & Light: [http://txipl.org/Gulf Oil Spill Resources](http://txipl.org/Gulf_Oil_Spill_Resources)
- Presbyterian Disaster Assistance: <http://gamc.pcusa.org/ministries/pda/gulf-mexico-oil-spill/>

XIII. Response. Recovery. Restoration. 06.04.10

Addressing the BP Oil Spill has been multi-faceted. Communication has been a challenge for everyone in this unprecedented event. While it may appear few measures are being taken, in actuality a number of organizations have been heavily involved. To clarify actions, the following steps are unfolding: Response, Recovery, and Restoration.

Response has involved the initial actions to stop the leak, address water bound oil, and prepare for “land fall.” These activities included the offshore techniques employed by BP such as the skimmer boats, dispersants, fire booms, and various mechanical techniques at the well head source of the leak. The U.S. Coast Guard has deployed a massive number of floating booms across the states in an effort to protect critical habitats. They have also placed HESCO barriers and created sand berms among other things.

In the background to these highly publicized protective measures are an impressive number of research institutions, marine science labs, state and federal agencies, non-profit groups, county and city governments, who have mounted sizable monitoring activities. These groups are collecting information on everything from water quality, fish, shellfish, plants, sediment, and ground water in preparation for potential damage by the oil. This information is crucial to understanding future changes that will occur in the ecosystem. Also, a high number of experts are involved in modeling and forecasting the movement of the oil in the Gulf of Mexico. You may not see them on TV, but the information all these people generate is critical.

Volunteer organizations have been at the ready collecting thousands of names of people who want to help. They have been advocating on behalf of the Gulf of Mexico or working directly in impacted communities. Many have helped organize pre-clean up events by getting people on the beaches to remove trash prior to the oil’s landfall. The hard part for most groups is “hurry up and wait” for what may happen on the coast. It is difficult to predict what resources will be needed as impact may vary from state to state.

This entire *Response* effort is coordinated through a “Unified Command” led by U.S Coast Guard, BP, and a state’s water quality agency such as the Alabama Department of Environmental Management. The response effort also includes the initial cleanup of the oil in the water and as it comes on shore. It is too soon to know just how long the oil will continue to flow from the Deep Water site. Estimates vary from weeks to years of cleanup operations. The Occupational Safety and Health Administration (OSHA) ensures the safety protocols for people doing the work. The protocols are established through the Code of Federal Regulations.

The difficult situation for volunteer organizations in this phase is the fact that anything contaminated with oil is considered hazardous waste. Therefore, clean up requires specialists who are already trained in handling various types of toxic materials, the protocols for collecting samples, and the reporting requirements. Clean up activities will avoid putting volunteers in the way of any potential harm.

Many people have expressed an interest in helping oiled wildlife. This too requires special training and permits. In fact, some zoos which house exotic wildlife do not have the proper permits and materials necessary for handling local wildlife. Added to this complication is that different animals may require specialized care. Tri-State Rescue & Research is the lead organization to respond to oiled wildlife. Many other wildlife organizations are already actively responding and have the capabilities and credentials necessary to assist.

The *Recovery* phase has set in motion a number of emergency planning efforts at all levels of the above mentioned Response organizations. Research institutions and various non-profits are redirecting their operations to address collecting information related to the oil leak. Meeting agendas are changing at the last minute so attendees can provide their expertise on how monitoring, modeling, and assessment of the damages should proceed. Addressing the “toxic waste” issue has sent many organizations scrambling to prepare their staff with HAZWOPPER (Hazardous Work Operations and Emergency Responses) training so they may begin to collect the critical data needed. In addition, protocols for collection have to be reviewed carefully as instrumentation can be greatly affected by oil contamination, thus changing the results.

The *Recovery* phase of addressing the Deep Water Horizon incident is just starting. These efforts will take years. Recovery here is the assessment of damages to the natural resources. These assessments are guided by strict rules outlined through the Natural Resource Damage Assessment (NRDA) process. NRDA addresses the requirements for ecosystem data collection and the long term cost associated with the cleanup. This is done in conjunction with trustees from the National Oceanic and Atmospheric Administration (NOAA), the Department of the Interior and respective state trustee agencies. These state agencies may be different than the Response agencies.

The State trustees working with federal agencies and regional organizations are breaking out into working groups that address: sediment, birds, human uses, marine mammals and turtles, chemistry/sampling, fish, shoreline, submerged vegetation, water column, and even things like aerial imagery.

All of this information will help to tell us what damage the oil has caused to the natural resources and apply monetary value to that damage. This sets the stage for the last and longest phase of addressing the Deep Water Horizon incident – *Restoration*.

While the true *Restoration* phase may be some months away, early planning stages are beginning for this too. What happens during Response and Recovery will have an impact on Restoration. How information is collected today will be important for informing future Restoration activities. When these projects begin, a multitude of partners will undoubtedly be involved.

It may feel like not much is being done. But behind the scenes a lot of individuals have worked long days and nights to address this crisis. People might not be able to go to the coast and help with the initial cleanup, but they can make a difference right at home.

What You Can Do The easiest thing anyone can do is make a donation to their favorite organization. Research carefully the charity you want to support and make sure they are accomplishing goals that are important to you. You may find that these organizations are in your own hometown.

If you want to get out and do something, find something nearby. There are 32 continental states and two Canadian provinces that drain into the Gulf of Mexico. Participating in local cleanups helps your own town, shows pride in your community, and keeps that trash from washing down onto someone else.

Local wildlife and habitat groups are often underfunded and understaffed, and likely to welcome help. Participate in local planting activities, use native plants at your home, and help keep area green spaces clean. If a migratory bird makes it from the Gulf region to your town, make it a healthy stop over for it.

For links to more information www.gulfallianceeducation.org.



XIV. Frequently Asked Oil Spill Questions 05.11.10

Responses prepared by Dr. Sharon Walker, Director of Education and Outreach at the Institute for Marine Mammal Studies and validated by Drs. Thomas F. and Julia S. Lytle-Retired Chemists from the University of Southern Mississippi-Gulf Coast Research Laboratory.

1. **What is crude oil?** Crude oil is a volatile, viscous mixture of organic compounds containing aliphatic and aromatic hydrocarbons. Some of these hydrocarbons (compounds containing hydrogen and carbon atoms) are toxic and some can cause cancer. Some crude oils are more viscous (light) than others. Lighter crudes evaporate more rapidly and leave less tarry residues after spills. Simply defined crude oil is a flammable, syrupy-type substance that has a distinct odor; stays in the environment, depending on environmental conditions longer than anyone wants; and contains some poisonous chemicals like benzene, toluene, and other light hydrocarbons, some of which are known to produce cancer in humans.
2. **What makes crude oil harmful to the environment?** Crude oil “coats” whatever it contacts and is very resistant to natural cleansing action because most of the crude oil components are insoluble in water. Beaches; deep and shallow water sediments; marsh grasses; underwater vegetation; all types of migratory, sea, and shore birds; sea turtles, marsh turtles; fish; marine mammals; oyster beds; scallops; mussels; crabs; lobsters; corals; a whole host of other invertebrates (creatures without backbones); and all animal life that comes in contact with the spilled, crude oil is going to be adversely affected.
3. **What are the acute (short-term) and chronic (long-term) effects of oil to in the environment?** The immediate acute (short-term) effects will occur because because of the smothering effects hampering respiration (the breathing mechanism in plants and animals). Then follows the chronic poisoning effects of toxic compounds in the oil which can occur days, months, and even years after exposure. Aside from the acute and chronic effects on plants and animals, there are indirect effects, such as contamination of food supplies in the food web and possibly contamination to our food supply. The fate and effect of crude oil that gets into the environment is dependent on many conditions, the physical and chemical properties of the particular crude oil (varies tremendously from one crude oil to another, even in the same geographic region), the season, currents and wave action, turbidity, and other related physical conditions. The heavier hydrocarbons are more persistent; staying on the water’s surface and “washing up” on beaches; getting into the bays, bayous, marshes, wetlands; and “coating” everything that is in the path of the oil. So, then the animals in these habitats are also exposed to having the oil “coat” feathers, fur, and skin. It is also important to note the water’s temperature, wind, and wave action can also react with the oil and try and “break it up,” similar to using an egg beater to “whip” a substance into smaller, more frothy pieces with greater surface areas (such as oil and seawater forming an emulsion-type liquid with greater surface areas) and in this form, dispersants and surfactants can be used to further “break down” the oil.
4. **What actually happens to marine animals when exposed to the oil, i.e., marine mammals; fish; migratory, shore, and sea birds; crabs; shrimp; oysters; mussels, scallops; corals; and other commercially important species—and plants?** Marine mammals, sea turtles, and birds have lungs similar to human lungs. When marine mammals and sea turtles come to the water’s surface to breathe—if they come to the surface in the midst of oil spill—they inhale the oil (light and heavy hydrocarbons) and their respiratory and digestive (if they swallow the oil) systems becomes stressed. And, their skin/fur (marine mammals) and scales/scutes (turtles) become “coated” with the oil. External lesions can form on the marine mammals and on the fins/neck (soft, fleshy tissues) of the sea turtles. Once these hydrocarbons, if inhaled or ingested, move into the blood stream, damage can occur within the blood cells, as well as in the eyes (which came into contact with the oil at the surface), spleen, kidneys, liver, heart, and nervous and reproductive tissues. When seabirds become “coated” with oil, they limit or lose their ability to fly and the stress to their respiratory and digestive systems, as well as other organs is similar to marine mammals and sea/marsh turtles. The bodies of fish and their gills get “coated” with the oil and result in massive fish kills. Oysters, as juveniles and adults, are stationary in reefs and cannot move from an oil-exposed area, so depending on the water temperature, as well as the wind and wave action, they will “close their shells” for a short period of time, but once they again begin to filter feed, if

the oil is still present in the water column or on their shells, it can “clog” their gills, and they smother/die. Most shrimp, lobsters, and crabs will be the first organisms to die, particularly shrimp (they are referred to as the our water canaries due to their thin exoskeletons [external, thin shells] and all their exposed legs, swimmerets, eyes, and antennae—combined with the fact, they live on/in the bottom—and the oil will ultimately settle on the sediment).

Marine and fresh water plants are stressed, again due to the coating, of the plant which reduces carbon dioxide/oxygen diffusion (gas exchange) at the plant tissue surface; this oil coating decreases a plant’s ability to photosynthesize (feed itself and produce oxygen) and also allows the temperature to increase within the plant and on the soil’s surface, further stressing the plant. Research has documented oil persists in the environment for years in the soil and in the roots of these plants, thereby reducing plant growth. Tiny marine plants, phytoplankton, provide 60-80% of all the oxygen on this planet and all species’ greatest source of oxygen is derived from the world’s ocean of which the Gulf of Mexico, MS Sound, and all our bays and bayous are components.

5. **Who is in charge of the clean-up from an oil spill?** The U.S. Coast Guard has the leadership role and the ultimate say; however, significant assistance is provided from other federal agencies such as, but not limited to, the National Oceanic and Atmospheric Administration, the Environmental Protection Agency, the Department of Health, the Department of Interior-Mineral Management Service, the Department of Homeland Security-Federal Emergency Management Service, the Department of Defense, the U.S. Navy, Governors’ offices, and numerous state agencies, e.g., in Mississippi, the Department of Marine Resources, the Department of Environmental Quality, universities, research facilities, non-profit organizations, civic organizations, and thousands of volunteers.
6. **What are the types of clean-up materials are used in an oil spill?** Thousands of feet of containment booms have been placed near the Chandeleur Islands and in Breton Sound, around portions of Ship Island, Horn Island, and the mouths of some of coastal Mississippi’s cities, currently Waveland, Bay St. Louis, Gulfport, Ocean Springs, and Pascagoula. Containment booms are effective if the wind, wave, action, and tides are not excessively high...which has not been the case since the British Petroleum-Deepwater Horizon well “blew and burned” on April 20. Other clean-up materials include adsorbents for using at the water’s surface and for various oil-covered animals, dispersants, burning, and surfactants.
7. **What is a surfactant/dispersant?** A surfactant/dispersant is a soapy-type substance used to react and “break-down” the oil into very small oil droplets which then allows the oil to be dispersed in the water.
8. **What are the adverse effects to the volunteers and paid employees involved in an oil-spill clean-up?** Odor from crude oil is an irritant to some people, and evaporation of the oil degrades air quality. Both of these adverse effects may result in nausea, vomiting, and headaches. People who are easily stressed by reduced air quality need to stay indoors and ventilate their homes with air-conditioners. If symptoms persist, individuals need to see a physician or other health care provider. Further, it is essential and required that volunteers be trained prior to working with stranded animals concerning proper clothing and safety precautions when assisting in “clean-up” efforts. If volunteer gets oil on his/her skin, the area should be washed with soapy water and clothes should be washed in the usual manner. Prolonged “clean-up” efforts and resulting exposure to the oil/fumes may result in a skin rash. Training programs began on the Mississippi’s coast May 1, 2010 at the Institute of Marine Mammal Studies and on May 2, a training program was offered in Ocean Springs.
9. **How long will oil remain in the environment if the British Petroleum-Deepwater Horizon well can be capped?** Acute (short-term) effects can be possibly reduced to hours, days and weeks; the lighter hydrocarbons can rapidly evaporate. Chronic (long-term) effects can persist for months and years.
10. **What is the anticipated length of time for the spill to continue leaking/pumping 1,000 to 5,000 barrels per day (approx. 40 gallons per barrel) if the Remotely Operated Vehicle (ROV) can “cap” the well?** This process has not worked yet; however, safeguard technology should have been in place so

this catastrophe should never have happened. I don't know the answer to this question; however, British Petroleum should know the reservoir capacity of this well. The May 2, *Sun Herald* article (page 2A) indicated in an interview with a BP company official speaking on the condition of anonymity reported that the Gulf seabed reservoir was in the tens of millions of barrels. Spokespersons for BP have indicated BP will pay clean-up costs; however, many public officials within MS are skeptical of these statements and want this commitment in writing with some "up front," fiscal assistance.

11. **What type of problems is the ROV encountering?** The Gulf seabed oil site is approximately one mile in depth (over 5,200 ft); the pressure is intense and the pipe that is inserted in the well could collapse according to engineers and biological/chemical scientists (May 2, *Sun Herald*, page 2). The ROV is spraying a dispersing chemical at the oil coming from the pipe in hopes of reducing the amount of oil reaching the surface. Fears exist in terms of this pipe collapsing which would result in no warning and the oil could possibly become a geyser at the water's surface and regulating the flow would even be more problematic.
12. **Why not continue burning the crude oil when it comes to the surface?** Burning the oil, using booms, and using dispersants/surfactants are all helpful and effective to a point; however, if technologically possible, the oil needs to be stopped at the seabed source. This can be accomplished by "bringing in" another deepwater rig and drilling to a point in the well prior to the leak area; however, this "relief well fix" could take three months to implement, resulting in unrelenting oil leakage (*Sun Herald* article, page 7B).

XV. May 17, 2010 BP Oil Spill Information Links

Federal	Organization	Website	Site Information
	National Oceanic and Atmospheric Administration	http://www.noaa.gov/	Main site
	NOAA's Office of Response & Restoration	http://response.restoration.noaa.gov/topic_subtopic_entry.php?RECORD_KEY%28entry_subtopic_topic%29=entry_id,subtopic_id,topic_id&entry_id%28entry_subtopic_topic%29=809&subtopic_id%28entry_subtopic_topic%29=2&topic_id%28entry_subtopic_topic%29=1	Map plus information
	NOAA Deep Horizon Oil Spill 2010 Image Index	http://ngs.woc.noaa.gov/deepwh/DEEPWH0000.HTM	Images
	NOAA Fisheries Service	http://sero.nmfs.noaa.gov/	Fisheries closure
	NOAA National Coastal Data Development Center	http://www.ncddc.noaa.gov/	Maps, data
	NOAA – www.geoplatform.gov/gulfresponse Environmental Response Management Application (ERMA)	http://gomex.erma.noaa.gov/erma.html#x=-90.42000&y=28.03000&z=6&layers=3023+3582+3575+497	Interactive Map
	NOAA National Weather Service	http://www.weather.gov/	
	National Weather Service Forecast Office	http://www.srh.noaa.gov/lix/	Special page for Oil spill support
	NOAA's Office of Education	http://www.education.noaa.gov/oilspill.html	Special page for Oil spill Information
	U.S Department of the Interior	http://www.doi.gov/news/doinews/2010_04_23_news.cfm	
	Environmental Protection Agency	http://www.epa.gov/bpspill/	Air, water, and sediment monitoring
	EPA - Submit a Technology Solution	http://www.epa.gov/bpspill/techsolution.html	Submit Technology Solutions
	U.S. Fish and Wildlife Service	http://www.fws.gov/	
	U.S. Department of Labor Occupational Safety & Health Administration (OSHA)	http://www.osha.gov/Publications/3172/3172.html	Training Marine Oil Spill Response Workers
	U.S. Geological Survey	http://www.usgs.gov/deepwater_horizon/	Maps, data, information compilation
	U.S Fish and Wildlife Service	http://www.fws.gov/home/dhoilspill/	Latest News, maps, data, information compilation
	U.S. National Library of Medicine National Institutes of Health Disaster Information Management Research Center	http://sis.nlm.nih.gov/dimrc/oilspills.html	Information compilation
	U.S. Geological Survey	http://www.usgs.gov/deepwater_horizon/	Maps, current conditions, monitoring data, information compilation

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Information on this list is acquired from multiple sources.
Not all information is sanctioned by BP or the respective U.S. Gulf states.

	House Natural Resources Subcommittee on Insular Affairs	http://www.tradingmarkets.com/news/stock-alert/hznff_house-natural-resources-subcommittee-on-insular-affairs-oceans-and-wildlife-oversight-hearing-979652.html	Oceans and Wildlife Oversight Hearing-Good Explanation of the Natural Resource Damage Assessment.
Regional			
	Gulf of Mexico Sea Grant Programs	http://gulfseagrant.tamu.edu/oilspill/index.htm	Information compilation
	Gulf of Mexico Coastal Ocean Observing System	http://gcoos.tamu.edu/products/oilspill.html	Maps, data, information compilation
Universities & Partner Organizations			
	Dauphin Island Sea Lab	www.disl.org	
	University of South Alabama - Government Documents	http://www.southalabama.edu/univlib/govdocs/gd/oilspill2010.html	Library information compilation
	Alabama Cooperative Extension System ACES	http://www.aces.edu/	
	Alabama EDEN Extension Disaster Education Network	http://www.aces.edu/eden/index.php	Information compilation
	University of South Florida's oil spill trajectory forecast	http://ocg6.marine.usf.edu/	Maps, data
	Texas A&M News & Information Services	http://tamunews.tamu.edu/2010/04/26/oil-spill-experts/	Oil spill experts
	Louisiana State University	http://www.lsu.edu/pa/mediacenter/tipsheets/oilspill.shtml	Maps, data, information compilation, experts
Others			
	NASA Earth Observatory	http://earthobservatory.nasa.gov/IOTD/view.php?id=36873	Pictures of natural oil seeps
	Science Daily - Science News	http://www.sciencedaily.com/releases/2000/01/000127082228.htm	news story - Scientists Find That Tons Of Oil Seep Into The Gulf Of Mexico Each Year
	Geology.com	http://geology.com/nasa/oil-seeps/	Natural Oil Seeps in the Gulf of Mexico A NASA Earth Observatory news release from February 3, 2009
	Pensacola State Junior College	http://wsre.org/OilSpill/teacher-students-kids	

Louisiana Governor's Office of Homeland Security and Emergency Preparedness	http://gohsep.la.gov/oilspill.aspx	Live oil spill trajectory
Louisiana's Joint Information Center for media inquiries	JIC@la.gov	
Federal Joint Information Center for Media and Government Inquiries		985 902-5231
Google Crisis Response: Gulf of Mexico Oil Spill	http://www.google.com/crisisresponse/oilspill	
SeaWeb - Marine Science Review E-newsletter	http://www.seaweb.org/resources/msr.php	Marine Science Review #371 Special Edition - Oil and Oil Spills GoM - download a pdf regarding oil spill impacts on various marine species
Marine Protected Areas Center Creates Map of U.S. MPAs Within Proximity of Deepwater Horizon Oil Spill:	www.mpa.gov Direct link to map: http://mpa.gov/pdf/helpful-resources/horizon_spill_mpas_5.4.2010.pdf	The map, available at www.mpa.gov , shows the boundaries of the 53 U.S. MPAs that could potentially be affected by the Deepwater Horizon Oil Spill. It includes some sites that are primarily terrestrial but have a marine component. Data used for the map are taken from the MPA Inventory.
Green Education Foundation	http://www.greeneducationfoundation.org/index.php?option=com_content&view=article&id=429:effects-of-oil-spills-on-environment-and-marine-life&catid=85:grades-3-5&Itemid=61	Effects of Oil Spills on Environment and Marine Life Grades three through five.
Baldwin County Board of Education K-1 Center Pelican's Nest	http://blogs.bcbe.org/oil/	Blog by teacher Charlene Dindo
California Thank You Ocean Campaign	http://cts.vresp.com/c/?ThankYouOcean.org/aa4c88eb52/9a41136f36/ca89d09947	Podcasts on the oil spill.
U.S Energy Information Administration	http://tonto.eia.doe.gov/kids/energy.cfm?page=oil_home-basics	energy kids website - Oil (petroleum) Basics

Prince William Sound Regional Citizen Advisory Council	http://www.pwsrcac.org/	Social science: They have set up a page of useful resources just for us in the Gulf of Mexico. Drawing your attention to the following two documents:
	http://pwsrcac.org/docs/d0001001.pdf	PDF download of Coping with Technological Disasters Guidebook
	http://pwsrcac.org/docs/d0001002.pdf	PDF download of Appendices to Coping with Technological Disasters Guidebook
The National Academies Press - eBook Oil in the Sea: Inputs, Fates, and Effects (1985)	http://www.nap.edu/catalog.php?record_id=314	technical, eBook can be read for free online and is an older version, by Commission on Physical Sciences, Mathematics, and Applications (CPSMA).
Bulletin of Marine Science, 32(1): 1-13, 1982	http://www.aoml.noaa.gov/ocd/ixtoc/Weathering-Petroleum_BMS1982.pdf	PDF File, An Example Study of the Weathering of Spilled Petroleum in a Tropical Marine Environment: IXTOC-1 (1932)
Non Profit		
Alabama Coastal Foundation	http://www.alabamacoastalfoundation.org/	Coordinating volunteer activities in Alabama related to the oil spill
Alaqua Animal Refuge	http://www.aarflorida.com/?p=370	Collecting Supplies
Apalachicola River Keeper	http://www.apalachicolariverkeeper.org/	Provides links for people to sign up to volunteer, newspaper articles/video, e-mail address for questions and books related to the subject.
Audubon Nature Institute	http://www.auduboninstitute.org/gulf-oil-spill-resources?gclid=CILDw9vdu6ECFRSfnAoddzEz_w	Louisiana Marine Mammal and Turtle Rescue, Gulf Q&A

Coalition to Restore Coastal Louisiana	http://www.crcl.org/	The Coalition to Restore Coastal Louisiana is "acting as a volunteer clearinghouse."
Community Foundation of South Alabama	http://www.communityendowment.org/	Mobile, AL group supports area organizations working with critical response and long term support to impacted communities.
Galveston Bay Foundation	http://galvbay.org/volunteer_oil_signup.html	On standby for volunteer help
Galveston Baykeeper	http://www.galvestonbaykeeper.com/	Advocacy "Save our Gulf-initiative by Waterkeepers Alliance"
Georgia Wildlife Rescue Association	http://www.facebook.com/group.php?gid=123733437641630&ref=search&sid=46707724.1245934583..1	Collecting Supplies
Gulf Coast Fund for Community Renewal and Ecological Health	http://rockpa.org/special_programs/gulf-coast-fund/ gulfcoastfund.org	This group operates under the auspices of the Rockefeller Philanthropy Advisors. Providing emergency grants, information to their network, and coordinating communication.
Gulf Restoration Network	http://www.healthygulf.org/	Advocacy, letter campaign
LA Gulf Response	http://www.lagulfresponse.org/	LA GULF RESPONSE is a coordinated effort between several non-profit or governmental conservation and environmental organizations. We are organizations with a history of on-the-ground work in Louisiana, and we are combining efforts and experience to implement an effective volunteer response and make a real difference in the BP Oil Spill recovery efforts.
Mobile Bay Keeper	http://www.mobilebaykeeper.com/	Coordinating volunteer activities in Alabama related to the oil spill; advocacy organization

	Oiled Wildlife Care Network	http://www.owcn.org/volunteer-info	Collecting Volunteers
	Pascagoula River Audubon Center	http://pascagoula.river.audubon.org/issues-action/oil-spill-efforts	Volunteer coordination,
	Restore Americas Estuary	https://www.estuaries.org/	
	Save Our Seabirds	http://saveourseabirds.com/	Collecting Supplies & Donations.
	Share the Beach	http://www.alabamaseaturtles.com	Volunteers are receiving online HAZMAT Training to monitor nests in case oil reaches shore.
	Suncoast Seabird Sanctuary	http://www.seabirdsanctuary.com/	SANCTUARY NEEDS DONATIONS for a possible impact on Florida's beaches from the Gulf Oil Spill. We are asking for more volunteers to be on emergency call and donations to the avian hospital at 18328 Gulf Blvd., Indian Shores, Florida.
	The Sierra Club	http://www.sierraclub.org/	Advocacy events
More Links	Institute for Southern Studies, Publication: Facing South	http://www.southernstudies.org/	Community Justice - posting articles related to the oil spill.
	The Official Blog of the US EPA: Greenversations	http://blog.epa.gov/blog/2010/05/07/online-resources-response-to-the-bp-oil-spill-in-the-gulf-of-mexico/	May 7th Post: Online Resources: Response to the BP Oil Spill in the Gulf of Mexico
	LSU Libraries Oil Spill Information Service	http://www.lib.lsu.edu/ref/oilspill/	LLOSIS includes information professionals from a variety of disciplines and is a service of LSU Libraries. This subject guide for Deepwater Horizon Oil Spill information resources
	Jean-Michel Cousteau's Ocean Futures Society	http://www.oceanfutures.org/	Follow the Ocean Futures Society team, in real time, as they explore the front line of the Gulf Oil Disaster.
	South Wings	http://www.southwings.org/page.php?173	SouthWings is a conservation and public benefit aviation non-profit that provides skilled pilots and aerial education - flying over spill regularly
	Tulane University: Disaster Resilience Leadership Academy	http://www.drlatulane.org/research/leadership-analytics/gulf-spill-timeline/gulf-spill-timeline	This timeline maps actions at several levels--including government, community,

		local and business response to the 2010 Gulf Oil Drilling Incident
Environmental Defense Fund	http://www.edf.org/page.cfm?tagID=54921	In response to the disastrous oil spill off coastal Louisiana, EDF has deployed a team of wetlands experts and marine scientists to the Gulf Coast.
Florida SERT Natural Resource Damage Assessment	http://nrdata.org/	Natural Resource Damage Assessment for FL: Protocol, Sampling, Statewide Maps, Data Submissions.

XVI. TOPICS

Organizations Accepting Monetary Donations	Deepwater Horizon Oil Spill 2010	
Name	Website	Funding for oil spill response:
American Bird Conservancy	http://www.abcbirds.org/abcprograms/oilspill.html	The link will take you to a section describing how ABC is responding to the Gulf oil spill by serving as an information hub, organizing a taskforce, addressing immediate needs, and developing a long-term policy assessment. If you would like to donate to support ABC's efforts to reduce the long-term impacts to birds from threats ranging from oil, wind, and coal; collisions with buildings and towers; free-roaming cats; and pesticides and other toxins, you can do so here.
Greater New Orleans Foundation	http://www.gnof.org/gulf-coast-oil-spill-fund/disaster-on-the-gulf-coast//	With the Gulf Coast Oil Spill Fund, the Greater New Orleans Foundation will serve as a conduit between the donor community and our nonprofit partners. We will fund philanthropic dollars back into the affected communities on a short and long-term bases.

Oceana	http://na.oceana.org/	The Gulf is facing one of the worst ecological disasters in U.S. history. We need your help to send a clear message to President Obama, Congress and oil companies that this is not acceptable.
Oxfam America	https://secure.oxfamamerica.org/site/Donation2?df_id=4340&4340.donation=form1	Your immediate tax-deductible gift to Oxfam's Gulf Coast Oil Spill Response Fund will allow us to rush financial support to the area and advocate on behalf of vulnerable communities affected by the potentially devastating oil spill.
Greenpeace	Donate: http://www.greenpeace.org/usa/fund/ Blog about Oil Spill: http://members.greenpeace.org/blog/greenpeaceusa_blog/2010/06/03/oil-spill-threatens-vulnerable-marine-sa	One of Greenpeace's unique strengths is our capacity to conduct campaigns in countries around the world, giving us the ability to challenge environmental threats and promote change on issues that transcend national borders.
National Audubon Society	https://loon.audubon.org/payment/donate/OILSPILL10.html	Audubon is marshalling volunteer resources, monitoring and guiding response efforts, leading restoration of LA's coastal resources for the long-term, etc.
National Wildlife Federation	https://online.nwf.org/site/Donation2?df_id=16662&16662.donation=form1	Please donate today to help protect the over 400 species of treasured wildlife that stand to lose so much from this devastating tragedy. Your support will go right to work protecting wildlife and wild places impacted by the BP oil spill disaster.
Suncoast Seabird Sanctuary	http://www.seabirdsanctuary.com/	SANCTUARY NEEDS DONATIONS for a possible impact on Florida's beaches from the Gulf Oil Spill: The Suncoast Seabird Sanctuary and Avian Hospital's trained staff is on stand-by to assist with the Gulf Oil Spill Crisis, with over 700 volunteers on call if needed.
Alabama Coastal Foundation	http://www.joinacf.org/join_acf.html	ACF is working with local partners, government agencies, and BP to

		provide safe and effective volunteer opportunities for the clean-up related to the oil spill.
Mobile Baykeeper	http://www.mobilebaykeeper.org/support-join/donate	The current environmental crisis looming on our doorstep will call for a great deal of our resources. Your support of Mobile Baykeeper will be vital in allowing us to do needed work on this issue. Your donation helps us tremendously and is going toward a great cause - protecting the beauty, health, and heritage of the Mobile Bay Watershed.
Mobile Bay National Estuary Program	Donate: https://www.justgive.org/nonprofits/donate.jsp?ein=63-0695166 MBNEP's website: http://www.mobilebaynep.com/	In light of the impending threat of the oil leak to our fragile ecosystem, The Mobile Bay NEP has set up the Coastal Estuary Restoration Fund (CERF) with the Community Foundation of South Alabama to support projects that will restore the long term health of the water quality, living resources, habitats, and human uses of Mobile Bay and its estuarine environment. To give, visit the Community Foundation's Website and designate your donation for the Coastal Estuary Restoration Fund.
Alabama Wildlife Center	Donate: https://www.networkforgood.org/donation/MakeDonation.aspx?ORGID2=630813173 AWC's website: http://www.awrc.org/	Sending staff and volunteers that have experience cleaning oiled wildlife to work at cleaning stations on the Gulf Coast.
Defenders of Wildlife	http://www.defenders.org/programs_and_policy/wildlife_conservation/threats/offshore_drilling.php Donate: https://secure.defenders.org/site/Donation2?df_id=3040&3040.donation=form1	Urging the public to help prevent another drilling disaster through advocacy.

	&s_src=3WJW10003DXB&JServSessionIdr004=q7hiuxzff1.app217a	
Emerald CoastKeeper	http://www.emeraldcoastkeeper.org/	They have been gathering volunteer crews to help with clean up efforts.
Waterkeeper Alliance	http://www.saveourgulf.org/	The Save Our Gulf website has been established by <u>Waterkeeper Alliance</u> to coordinate the efforts of <u>Gulf Waterkeepers</u> who are fighting to protect the Gulf Coast, its communities and environment, from the devastating BP oil disaster.
Coalition to Restore Coastal Louisiana	http://www.crcl.org/	Registering volunteers to assist with spill recovery efforts.
Louisiana Wildlife Rehabilitators Association	http://www.lawraonline.com/	LAWRA is now working as a partner agency with the Louisiana State Animal Response Team in credentialing our member-rehabilitators for deployment to the oiled wildlife central command.
Save Our Seabirds	http://saveourseabirds.com/index.php?page=donate	SOS Oiled Wildlife Mobile Response Unit has been sent to help with oiled wildlife.
Wildlife Sanctuary of NW Florida	Sanctuary's Website: http://www.pensacolawildlife.com/ Donate: https://www.networkforgood.org/donation/MakeDonation.aspx?ORGID2=592222303	Our organization is fully supporting the clean up efforts along the Gulf Coast in our area.
Environmental Defense Fund	https://secure2.edf.org/site/Donation2?idb=0&df_id=3740&3740.donation=for_m1&autologin=true&JServSessionIdr004=63lhk4gea2.app303b	EDF is committed to working on the ground with our local partners and with federal and local officials to restore the Gulf Coast to full environmental health and to ensuring a disaster like this never happens again.
The Alabama Governor's	http://www.servealabama.gov/2010/Oil	Governor's Emergency Relief Fund in response to the Gulf oil spill.

Office of Faith-Based and Community Initiatives	Spill/Response.aspx	
Gulf Coast Fund for Community and Ecological Health, a Project of Rockefeller Philanthropy Advisors	http://gulfcoastfund.org/	The Gulf Coast Fund will provide emergency grants to first-response organization in the region working against the threat.
International Bird Rescue Research Center	http://www.ibrrc.org/	A team of bird rescue specialists from International Bird Rescue Research Center (IBRRC) has been deployed along the Gulf Coast to help with an all-hands-on-deck effort to rescue seabirds caught in the Mississippi Canyon 252 - Deepwater Horizon uncontrolled oil leak.
Louisiana Environmental Action Network	http://www.leanweb.org/	Coordinating communication among local citizens, government and gulf fishermen to address the local environmental problems like the oil
Atchafalaya Basinkeeper	http://www.basinkeeper.org/	Monitoring and documenting the effects of the oil spill on our coastal wetland ecosystems and reporting our findings to other NGOs and the media. They are also working to get non-government organizations to play a more active role in the wildlife rescue efforts.

Loop Current		
University of Miami - CIMAS The Cooperative Institute for Marine and Atmospheric Studies	http://oceancurrents.rsmas.miami.edu/atlantic/loop-current.html	Short discussion, graphic, and references - links to other currents and seasonal graphics
Weather Underground	http://www.wunderground.com/hurricane/loopcurrent.asp	The Gulf of Mexico Loop Current: A Primer - links to additional information and animations

University of South Florida	http://ocg6.marine.usf.edu/~liu/Drifters/latest_rtofs.htm	Oil Spill prediction animation
Mercator Operational Oceanography	http://www.mercator-ocean.fr/html/actualites/news/actu_loop_en.html	Loop current discussion, pics, eddy (gyre) discussion, environmental and industrial issues, additional links
NOAA National Weather Service	http://polar.ncep.noaa.gov/ofs/viewer.shtml?-gulfmex-cur-0-large-rundate=latest	Real Time Ocean Forecasts System (RTOFS) for loop current, animated
Coastal Carolina University - College of Natural and Applied Sciences	http://kingfish.coastal.edu/gulfstream/p2.htm	Path of the Gulf Stream
University of Texas Marine Science Institute	http://www.utmsi.utexas.edu/beach_debris/content/pdf/gulf-loop-current.pdf	Teacher Grade 2-5: The Loop Current PDF file
Texas A&M Corpus Christi	http://www.gulfbase.org/facts.php	General Facts about the Gulf of Mexico
Infographicworld.com	http://www.infographicworld.com/infographics/DeepwaterRig.jpg	Crude Awakening Graphic - JPEG
Dispersant Information		
EPA Response to BP Spill in the Gulf of Mexico: Dispersants	http://www.epa.gov/bpspill/dispersants.html	Communication: Press Releases & Statements, Letters, Directives and Addendums. BP Data, Questions and Answers on Dispersants, Analysis of Sub-Surface Dispersant Use, EPA's List of Authorized Dispersants, Dispersant Effects, Surface Use, Underwater Us, General Information, Monitoring & Assessment.

Reducing Occupational Exposures while Working with Dispersants During the Gulf Oil Spill Response, Centers for Disease Control & Prevention	http://www.cdc.gov/nceh/oil_spill/dispersants_and_your_safety.htm	Contents: Type of Dispersants used on the Mississippi Canyon Oil Spill and Reducing Exposure
Dispersants are being deployed in the Gulf of Mexico to break down oil in the slick, but what are in dispersants and how do they work?"-From BP	http://www.bp.com/genericarticle.do?categoryId=9033656&contentId=7061756	Article with the following Content: Getting Oil from Water, Snake-link molecule at work, weather is a factor.
Application of Dispersants to Mitigate Oil Spills in the Gulf of Mexico: The Poseidon Pipeline Spill Case Study"	http://www.iosc.org/papers/00080.pdf	Case Study showcasing coordination to guide effective and environmentally beneficial dispersant applications.
Dispersants: A Guided Tour-From NOAA's Office of Response & Restoration	http://response.restoration.noaa.gov/topic_subtopic_entry.php?RECORD_KEY%28entry_subtopic_topic%29=entry_id,subtopic_id,topic_id&entry_id%28entry_subtopic_topic%29=155&subtopic_id%28entry_subtopic_topic%29=8&topic_id%28entry_subtopic_topic%29=1	The tour has the following sections: Why use dispersants?, How do dispersants work?, Constraints & Results, Impacts, and Where are dispersants being used? & Summary.
Minerals Management Service. Offshore Energy-Technology Assessment & Research Project: Oil Spill Chemical Treating Agents	http://www.mms.gov/tarprojectcategories/chemical.htm	Explains different types of chemical treating agents that can be applied to an oil spill. Includes: Desired Outcomes, the Tactical Plan (2005-2010), and a list of "Chemical Treating Agents Projects."
BP Oil Spill Response Update: EPA, U.S. Coast Guard Provide Dispersant Updates	http://sharing.govdelivery.com/bulletins/GD/USA-EPA-CCE9D	Press Release from the Environmental Protection Agency

<i>Oil Spill Dispersants: Efficacy and Effects</i> Authors: Committee on Understanding Oil Spill Dispersants: Efficacy and Effects, National Research Council. Pub. Year: 2005	Publication, no Link.	Publication
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Drilling Mud		
Wikipedia Free Encyclopedia	http://en.wikipedia.org/wiki/Drilling_fluid	Drilling Fluid, technical
Politics Daily	http://www.politicsdaily.com/2010/05/28/bp-top-kill-drilling-mud-is-no-ordinary-mud/	Article: BP Top Kill Drilling Mud is No Ordinary Mud
The Washington Post: Bill Nye the Science Guy	http://www.washingtonpost.com/wp-dyn/content/discussion/2010/05/28/DI2010052802315.html	Gulf oil spill: Bill Nye discusses top kill
Drilling Oil Wells		
	http://www.sci.sdsu.edu/~rmellors/geo580/powerpoints/geo596_lec10_well_logs_synthetics.ppt	A brief overview of well logs
	http://www.gly.uga.edu/railsback/1121Lxr19.html	Simple info on drilling an oil well
	http://www.geomore.com/5%20steps%20to%20drill.htm	Steps in drilling an oil well
AGIWeb - Earth Science World	http://www.earthscienceworld.org/games/VirtualOilWell/content/page1.htm	Virtual Oil Well Game
EMARC Energy and Minerals Applied Research Center Department of Geological Sciences University of Colorado at Boulder	http://emarc.colorado.edu/about/	Petroleum Systems Research & Education
Gas Hydrates		
U.S. Geological Survey Fact Sheet: Gas Hydrates	http://marine.usgs.gov/fact-sheets/gas-hydrates/title.html	Gas (Methane) Hydrates - A New Frontier
USGS Woods Hole Science Center	http://woodshole.er.usgs.gov/project-pages/hydrates/what.html	Gas Hydrate: What is it? Brief description
Mineral Management Service (MMS)	http://www.mms.gov/offshore/gashydrates.htm	Multiple links and information related to Gas Hydrates, good synthesis

Gulf of Mexico Facts	-	
Gulf of Mexico Alliance in partnership with NOAA	http://www.gulfofmexicoalliance.org/pubs_links/welcome.html	Gulf of Mexico at a Glance; facts and figures; PDF download
GulfBase.org Resource Database for Gulf of Mexico Research, Texas A&M Corpus Christi	http://www.gulfbase.org/facts.php	General Facts about the Gulf of Mexico
NOAA Ocean Explorer	http://oceanexplorer.noaa.gov/explorations/02mexico/background/geology/geology.html	Geological Setting brief discussion with images
NOAA Ocean Explorer Image Gallery	http://oceanexplorer.noaa.gov/gallery/maps/maps.html#gom	Gulf of Mexco Maps
USGS	http://pubs.usgs.gov/of/1997/ofr-97-470/OF97-470L/	PDF file Map Showing Geology, Oil and Gas Fields, and Geologic Provinces of the Gulf of Mexico Region
Salt Geology and New Plays in Deep-Water Gulf of Mexico by Abu Chowdhury and Laura Borton	http://www.searchanddiscovery.net/documents/2007/07083chowdhury/index.htm	Technical, focuses on salt formations but describes Mississippi Canyon in which Deep Water Horizon well was drilled, PDF download available
College of Geosciences, Texas A&M University NOAA's Oil Spill Response: Links Between Gulf Hypoxia and the Oil Spill	http://geog.tamu.edu/~sbednarz/bathymetry/ http://www.loe.org/images/100604/dead_zone_oil.pdf	Bathymetry of the Texas-Louisiana Continental Shelt: Curriculum Materials for Educators; PDFs and PPTs What are the repercussions of the oil spill on Dead Zone development this year; and ultimately how will the combination of these environmental threats affect the Gulf ecosystem?

XVI. Multi-Media		
60 Minutes	http://www.cbsnews.com/stories/2010/05/16/60minutes/main6490197.shtml	Blowout: The Deepwater Horizon Disaster
CNN U.S.	http://www.cnn.com/2010/US/04/29/interactive.spill.tracker/index.html	Tracking the Spill
BBC News	http://news.bbc.co.uk/2/hi/americas/8669018.stm	Underwater video of oil spill, advertisement before roughly 17 second video
	http://news.bbc.co.uk/2/hi/americas/8667474.stm	Funnel lowered into water
AllJazeera English on YouTube	http://www.youtube.com/watch?v=XLiqvZOP8TY	A little crazy this comes from AllJazeeraEnglish, is slightly dated but good explanation of how leak happened. Approximately 1 minute on YouTube. 05.01.10
Living on Earth	http://www.loe.org/shows/segments.htm?programID=10-P13-00020&segmentID=2	Gulf spill impacts ecological services, roughly 5 minutes
C-span	http://www.c-spanvideo.org/program/id/226244	30-minutes “capturing overall efforts from Houma, it breaks down the internal structure and operations specific to the Houma ICP, describes how Houma fits into to the larger ICS structure, and it also give a glimpse of the day to day routines.”
Rachel Maddox Show, Ixtoc spill on YouTube	http://www.youtube.com/watch?v=GHmhxpQEGPo	7:54 minutes, Rachel Maddox did an interesting piece comparing the current disaster to the Ixtoc spill of 1979.

New 07.15.10 BP Bottom Kill Video	http://bp.concerts.com/gom/kwellsreliefwells062710.htm	9:28 minutes, discussion with a number of BP employees and what they are doing in the Bottom Kill drilling procedures.
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