

Welcome to

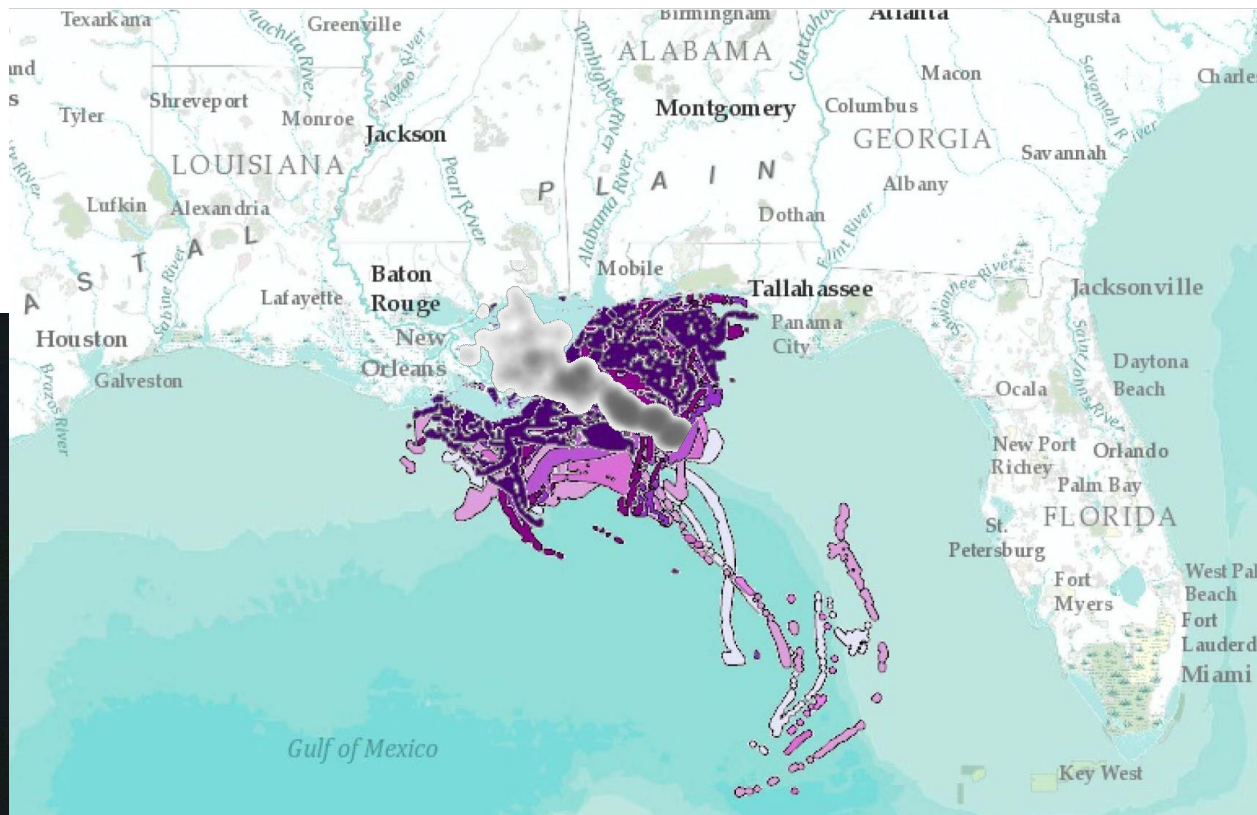


CARMMHA



200 million gallons of crude oil

began to spread...





What does an
OIL SPILL do to
the environment?

RESPONDING TO OIL SPILLS AT SEA



DISPERSION

Chemical dispersion is achieved by applying chemicals designed to remove oil from the water surface by breaking the oil into small droplets.

BURNING

Also referred to as in situ burning, this is the method of setting fire to freshly spilled oil, usually while still floating on the water surface.

BOOMS

Booms are long, floating barriers used to contain or prevent the spread of spilled oil.

SKIMMING

Skimming is achieved with boats equipped with a floating skimmer designed to remove thin layers of oil from the surface, often with the help of booms.

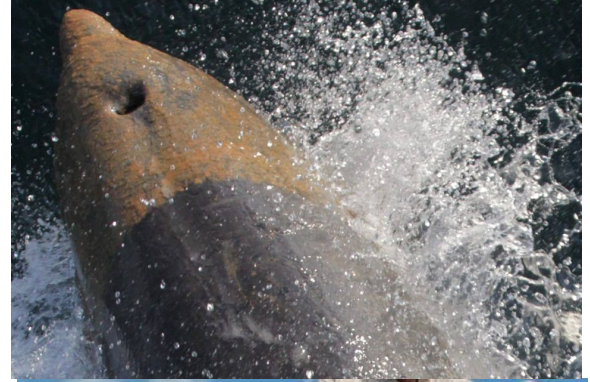


1. Shoreline flushing/washing
2. Booms
3. Vacuums
4. Sorbents
5. Shoreline cleaners & biodegradable agents
6. Burning
7. Manual removal
8. Mechanical removal





Affected wildlife and habitats



 NATIONAL GEOGRAPHIC

CAN THE
GULF
SURVIVE?



As Seen On

 NATIONAL
GEOGRAPHIC
CHANNEL

DVD
VIDEO



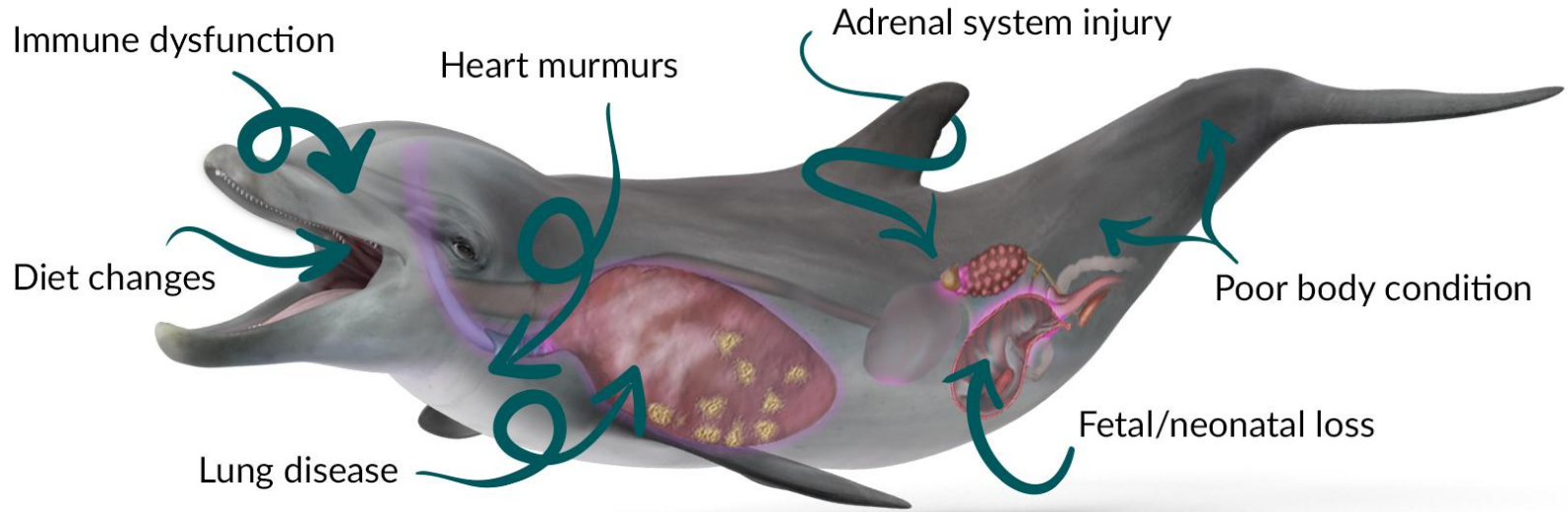
*What happens
when **YOU** get
sick!?*





**Dolphins get
a health
exam too!**

What we found...





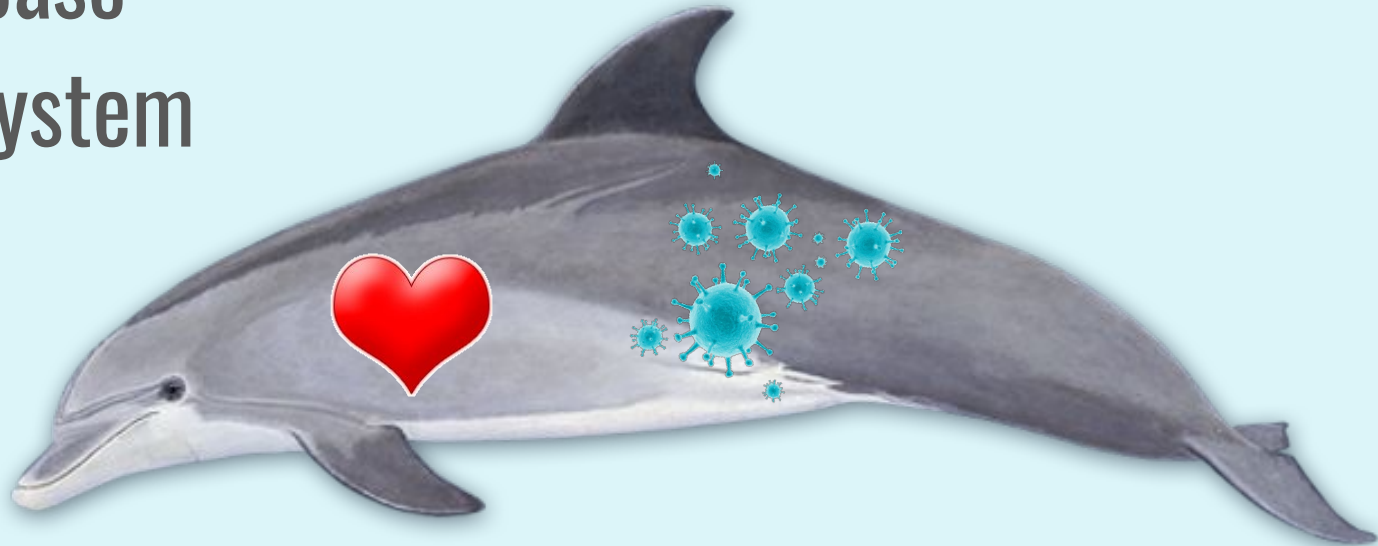
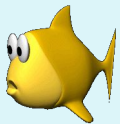
Consortium for Advanced Research on Marine Mammal Health Assessment



Targeted Projects



1. Heart disease
2. Immune system
3. Fish



Wild Dolphin Heath Assessments



- 1. Sarasota Bay, Florida**
- 2. Barataria Bay, Louisiana**
- 3. Dauphin Island, Alabama**

MMPA/ESA Permit No 18786-1

Population Modeling

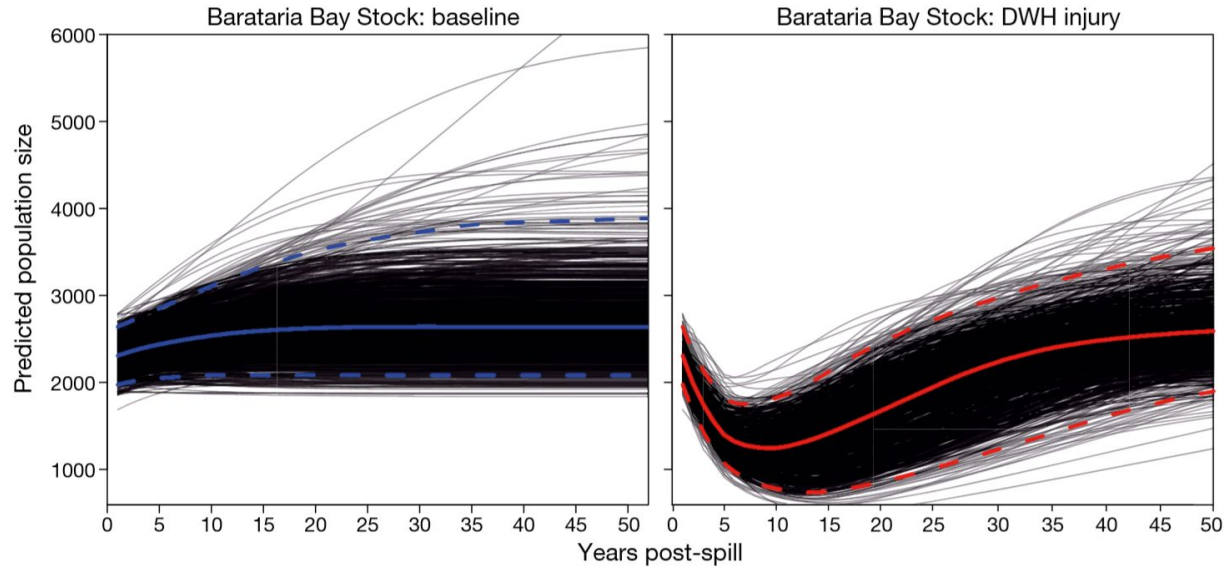


Fig. 3. Simulated population trajectories for Barataria Bay bottlenose dolphin *Tursiops truncatus* stock under baseline conditions (left), and with *Deepwater Horizon* (DWH) injury (right). Each black line represents the result from 1 simulated trajectory; trajectories were thinned by a factor of 10 for graphing. Solid and dashed blue/red lines represent median and 95th percentiles for trajectories

Take Action!



What would you do?!

1. Who do I call if I find a stranded marine mammal?
-SeaWorld Rescue : 1-800-541-SEAL
2. Where can I volunteer?
3. Minimize pollution, do not dump down storm drains!
4. What if there was an oil spill in California?



Now it's  **YOUR** turn!

ACTIVITIES