

SEISMIC SURVEYS



The first step in planning to drill offshore is to perform a seismic survey.

Surveys consist of multiple rounds of sonic waves being forced towards the ocean floor in order to gauge the depth, location and structure of the oil and gas resources below. Sound travels more easily under water than through air, allowing the noise from a single seismic survey to travel thousands of square miles.

8 overlapping surveys are currently proposed off the N.C. coast.

The constant noise from seismic survey can cause **MILLIONS** of fish to temporarily migrate away from the area, interrupting fishing in the region.

One study on rockfish estimated an average decline in catch rates of 52% in hook-and-line fishery due to seismic testing.

52%

Over 1 million

bottlenose dolphins could have their behavioral patterns disrupted, affecting their communication, navigation and eating habits.

PLUS

Fish eggs and larvae can be killed by intense sound, further reducing future fish populations.

The federal government estimates that about

138,000

marine mammals could be injured as a result of seismic surveys.



North Carolina
Coastal Federation
Working Together for a Healthy Coast

For more information on offshore drilling on the N.C. coast visit: www.nccoast.org/oil



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Why We Oppose Offshore Oil & Gas Drilling

The Coastal Federation advocates for environmentally compatible industrial development along the N.C. coast and promotes clean economic growth opportunities. You only need to look at the damage done by the previous oil spills to see the harm of offshore drilling to our coastal communities and economy.

Drilling off the N.C. coast **WILL NOT** provide:

Energy Independence

According to a 2011 study done by the state of North Carolina, the Carolina Trough (south of Cape Hatteras) has a potential to satisfy our country's energy demands **for just 36 days of oil and 246 days of natural gas.**

Financial Rewards

The four Gulf States that enjoy 37.5 % of oil revenues are in danger of losing that revenue, based upon President Obama's 2017 budget proposal. Oil and gas revenues are the federal government's second largest source of income, after the Internal Revenue Service.

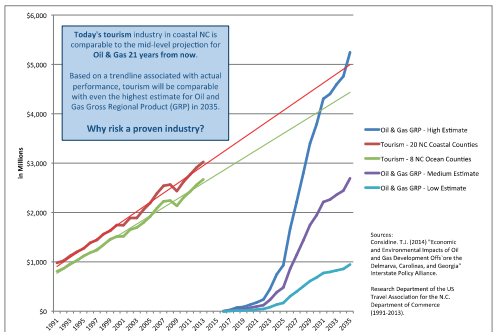
Jobs

The potential risk of job loss in tourism, fishing and other industries that depend on a clean coastal environment far outweighs potential economic benefit of oil and gas industry jobs, many of which are specialized positions and will be hired from out of state.

Today's tourism values in coastal North Carolina are comparable to the oil and gas industry projections

21 years
from now.

In 2012, the North Carolina tourism economy directly provided 283,297 jobs.



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