

AMENDMENT TO H.R. 4174
OFFERED BY MR. BAIRD OF WASHINGTON AND
MR. INGLIS OF SOUTH CAROLINA

Page 1, line 9, through page 2, line 10, amend paragraphs (1) through (3) to read as follows:

1 (1) The oceans help regulate atmospheric chem-
2 istry by acting as the largest sink for carbon dioxide.

3 (2) The rapid increase in atmospheric carbon
4 dioxide is overwhelming the natural ability of the
5 oceans to absorb this gas.

6 (3) The influx of carbon dioxide into the atmos-
7 phere and the subsequent absorption by the oceans
8 is changing surface ocean carbon chemistry and low-
9 ering the pH. These changes in ocean chemistry are
10 detrimental to organisms including corals, which
11 support one of the richest habitats on Earth, marine
12 shellfish, and many other organisms that form the
13 base of the food chain for many fish and marine
14 mammals.

Page 3, lines 4 through 19, amend subsection (b) to read as follows:

Page 5, after line 14, insert the following new paragraph:

1 (5) establish or designate an Ocean Acidifica-
2 tion Information Exchange to make information on
3 ocean acidification developed through or utilized by
4 the interagency ocean acidification program acces-
5 sible through electronic means, including informa-
6 tion which would be useful to policymakers, re-
7 searchers, and other stakeholders in mitigating or
8 adapting to the impacts of ocean acidification.

Page 5, after line 15, insert the following new paragraph:

9 (1) INITIAL REPORT.—Not later than 1 year
10 after the date of enactment of this Act, the Sub-
11 committee shall transmit a report to the Committee
12 on Commerce, Science, and Transportation of the
13 Senate and the Committee on Science and Tech-
14 nology of the House of Representatives that—
15 (A) includes a summary of federally fund-
16 ed ocean acidification research and monitoring
17 activities, including the budget for each of these
18 activities; and
19 (B) describes the progress in developing
20 the plan required under section 5 of this Act.

Page 9, line 16, insert “, impacts on marine food webs of ocean acidification,” after “to ocean acidification”.

Page 9, lines 20 and 21, strike “climate-induced” and insert “atmosphere-induced”.

Page 10, line 18, strike “**PROGRAM**” and insert “**ACTIVITIES**” (and amend the table of contents accordingly).

Page 10, lines 19, through 21, strike “establish and maintain an ocean acidification program within the National Oceanic and Atmospheric Administration to implement activities” and insert “conduct research and monitoring activities on ocean acidification within the National Oceanic and Atmospheric Administration”.

Page 12, line 14, strike “grant process” and insert “process for awarding grants”.

Page 12, line 18, through page 13, line 1, strike section 7 and insert the following new sections:

1 **SEC. 7. NSF OCEAN ACIDIFICATION ACTIVITIES.**

2 (a) RESEARCH ACTIVITIES.—The Director of the Na-
3 tional Science Foundation shall continue to carry out re-
4 search activities on ocean acidification which shall support
5 competitive, merit-based, peer-reviewed proposals for re-

1 activities on ocean acidification are carried out in a man-
2 ner consistent with the strategic research plan developed
3 by the Subcommittee under section 5.

4 (c) COORDINATION.—The Administrator shall en-
5 courage coordination of the Agency's ocean acidification
6 activities with such activities of other nations and inter-
7 national organizations.

8 **SEC. 9. AUTHORIZATION OF APPROPRIATIONS.**

9 (a) NOAA.—There are authorized to be appropriated
10 to the National Oceanic and Atmospheric Administration
11 to carry out the purposes of this Act—

- 12 (1) \$8,000,000 for fiscal year 2009;
- 13 (2) \$12,000,000 for fiscal year 2010;
- 14 (3) \$15,000,000 for fiscal year 2011; and
- 15 (4) \$20,000,000 for fiscal year 2012.

16 (b) NSF.—There are authorized to be appropriated
17 to the National Science Foundation to carry out the pur-
18 poses of this Act—

- 19 (1) \$6,000,000 for fiscal year 2009;
- 20 (2) \$8,000,000 for fiscal year 2010;
- 21 (3) \$12,000,000 for fiscal year 2011; and
- 22 (4) \$15,000,000 for fiscal year 2012.

