

Technical Announcement

MMS

U. S. Department of the Interior
Minerals Management Service
Gulf of Mexico OCS Region

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Cumulative Increment Analysis for the Breton National Wilderness Area

[OCS Study MMS 2008-058](#)

The Minerals Management Service (MMS), Gulf of Mexico OCS Region, announces the availability of a new study report, *Cumulative Increment Analysis for the Breton National Wilderness Area*.

The purpose of this report is to evaluate through modeling the contribution of OCS (both platform and non-platform) and onshore emission sources to SO₂ and NO₂ levels over the Breton National Wilderness Area (BNWA) and to assess the relative trends in these concentrations in the BNWA with respect to the appropriate baseline values. This study was conceived as a scientific investigation of the processes affecting trends in SO₂ and NO₂ concentrations near the BNWA and the models used to simulate those processes. While it was an objective of this study to compare the concentration trends with the Prevention of Significant Deterioration (PSD) Class I increments, the analysis is not intended to take the place of a regulatory PSD increment analysis for the BNWA. This study consists of a best attempt to evaluate the relative magnitude of the changes with respect to the available PSD increments in the BNWA.

One meteorological model and two air quality models were used in this study. The meteorological model used for this study is the fifth-generation Pennsylvania State University (PSU), National Center for Atmospheric Research (NCAR) Mesoscale Model (MM5). The air quality models used for this study are the California Puff (CALPUFF) model and the Community Multiscale Air Quality (CMAQ) model.

This report is available only in compact disc format from the Minerals Management Service, Gulf of Mexico OCS Region, at a charge of \$15.00, by referencing OCS Study MMS 2008-058. The report may be downloaded from the MMS website through the [Environmental Studies Program Information System \(ESPIS\)](#). You will be able to obtain this report also from the National Technical Information Service in the near future. Here are the addresses. You may also inspect copies at selected Federal Depository Libraries.

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