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ENVIRONMENTAL SURVEY OF IDENTIFIED SAND RESOURCE AREAS OFFSHORE ALABAMA

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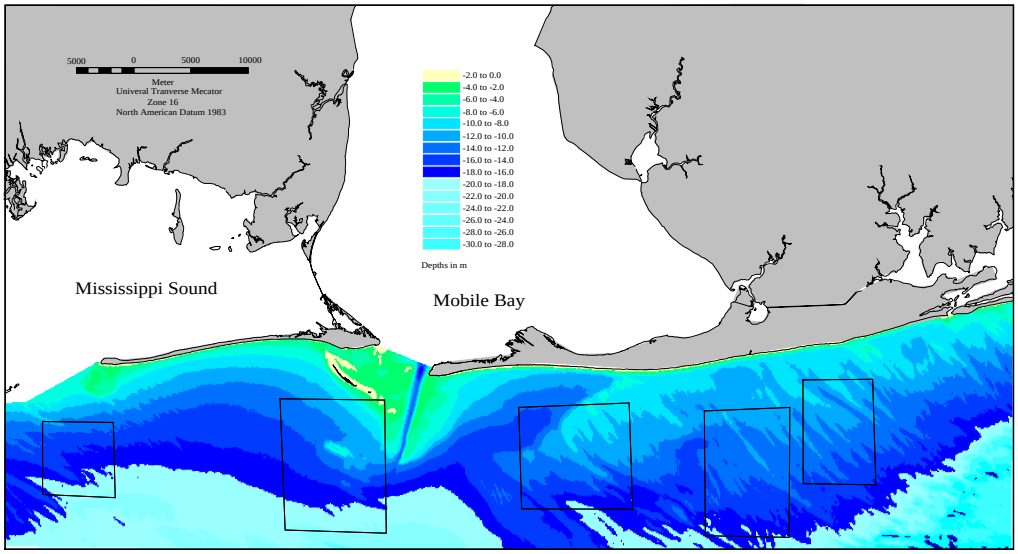
Aubrey Consulting, Inc., Prime Contractor

Prepared by:

Applied Coastal Research and Engineering, Inc.
766 Falmouth Road
Building A, Unit 1-C
Mashpee, MA 02649

In Cooperation With:

Continental Shelf Associates, Inc.
Barry A. Vittor & Associates, Inc.
Aubrey Consulting, Inc.



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FINAL REPORT

Environmental Survey Of Identified Sand Resource Areas Offshore Alabama

September 1999

Mark R. Byrnes
Physical Processes Project Manager, Co-Editor
(Applied Coastal Research and Engineering, Inc.)

Richard M. Hammer
Biological Component Project Manager, Co-Editor
(Continental Shelf Associates, Inc.)

With Contributions From:

Barry A. Vittor
Barry A. Vittor & Associates, Inc.

John S. Ramsey
Applied Coastal Research and Engineering, Inc.

David B. Snyder
Continental Shelf Associates, Inc.

Kirk F. Bosma
Aubrey Consulting , Inc.

Jon D. Wood
Applied Coastal Research and Engineering, Inc.

Tim D. Thibaut
Barry A. Vittor & Associates, Inc.

Neal W. Phillips
Continental Shelf Associates, Inc.

Aubrey Consulting, Inc., Prime Contractor

Prepared by:

Applied Coastal Research and Engineering, Inc.
766 Falmouth Road
Building A, Unit 1C
Mashpee, MA 02649

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International Activities and Marine Minerals Division (INTERMAR)
381 Elden Street, MS 4030
Herndon, VA 22070

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Aubrey Consulting, Inc.

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Dr. Mark R. Byrnes of Applied Coastal Research and Engineering, Inc. (Applied Coastal) served as Project Manager, Physical Processes Component Manager, co-authored Sections 1.0 (Introduction) and 3.0 (Regional Geomorphic Change), authored Section 2.1 (Offshore Sedimentary Environment), and was Co-Editor of the report. He was Program Manager from April 1997 to May 1998 while employed at Aubrey Consulting, Inc. (ACI). Dr. Richard M. Hammer of Continental Shelf Associates, Inc. (CSA) served as the Biological Component Manager, authored Sections 7.5.1 (Effects of Offshore Dredging on Benthic Fauna) and 7.5.2 (Recolonization Rate and Success), and was Co-Editor of the report. ACI was the prime contractor for the overall study, with Dr. David G. Aubrey serving as the Program Manager beginning May 1998.

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LIST OF ABBREVIATIONS

µ	micron
ACI	Aubrey Consulting, Inc.
ADCP	Acoustic Doppler Current Profiler
ASTM	American Society for Testing Materials
BVA	Barry Vittor & Associates, Inc.
CEQ	Council on Environmental Quality
CERC	Coastal Engineering Research Center
CHL	Coastal Hydraulics Laboratory
cm	centimeter
CSA	Continental Shelf Associates, Inc.
DGPS	Differential Global Positioning System
EA	Environmental Assessment
EEZ	Exclusive Economic Zone
EFH	Essential Fish Habitat
EIS	Environmental Impact Statement
ELMAS	East Louisiana-Mississippi-Alabama Shelf
ESA	Endangered Species Act
FMP	Fishery Management Plan
ft	feet
GMFMC	Gulf of Mexico Fishery Management Council
GSA	Geological Survey of Alabama
ha	hectare
INTERMAR	Office of International Activities and Marine Minerals
km	kilometers
kts	knots
LPIL	Lowest Practical Identification Level
m	meter
MAFLA	Mississippi-Alabama-Florida
MAME	Mississippi Alabama Marine Ecosystems
MCM	million cubic meters
mcy	million cubic yards
mi	statute mile
mm	millimeter
MWL	Mean Water Level
NAD	North American Datum
NDBC	National Data Buoy Center
NEGOM	northeastern Gulf of Mexico
NEPA	National Environmental Policy Act
NGVD	National Geodetic Vertical Datum
NMFS	National Marine Fisheries Service
NOAA	National Oceanic and Atmospheric Administration
OCS	Outer Continental Shelf
OCSLA	Outer Continental Shelf Lands Act
ppt	parts per thousand
SEAMAP	Southeastern Area Monitoring and Assessment Program
sec	second
USACE	U.S. Army Corps of Engineers
USDOI	U.S. Department of the Interior
USFWS	U.S. Fish and Wildlife Service
UTM	Universal Transverse Mercator
WIS	Wave Information Study
yd	yard
yr	year