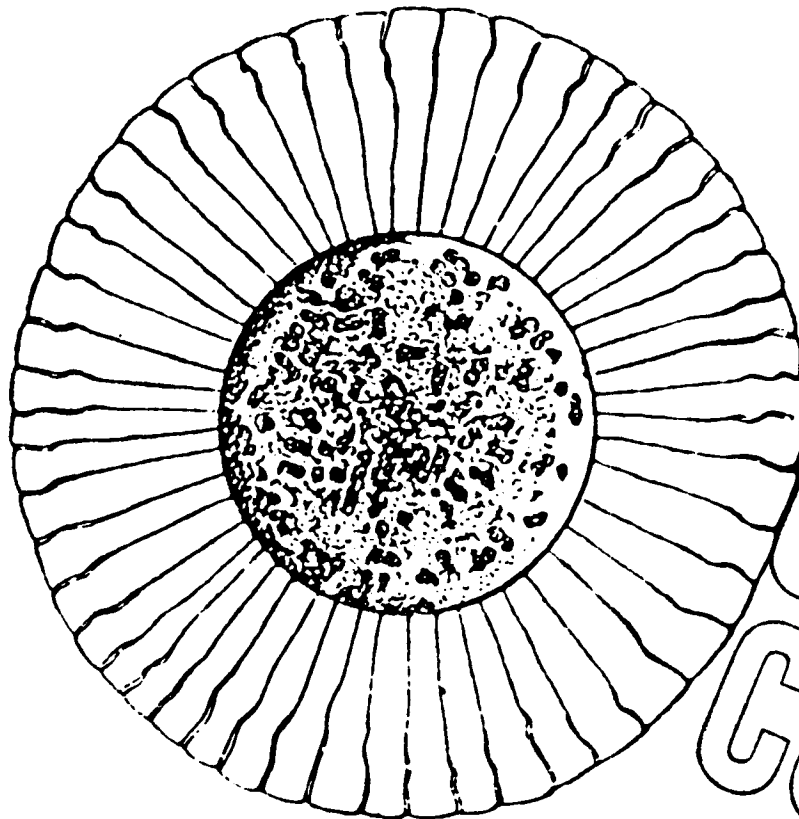


OCS STUDY
MMS 85-0009

**REVISED AND RECODED ROSCOP FORMS
FOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO
OUTER CONTINENTAL SHELF
ENVIRONMENTAL STUDIES PROGRAMS**



**FOR
COPY**

**REVISED AND RECODED ROSCOP FORMS FOR
MINERALS MANAGEMENT SERVICE GULF OF
MEXICO OUTER CONTINENTAL SHELF
ENVIRONMENTAL STUDIES PROGRAMS**

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MINERALS MANAGEMENT SERVICE

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Environmental Studies Section
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PREFACE

Reprinted herein are 143 revised and recoded ROSCOP forms from the past decade of Bureau of Land Management (BLM) and Minerals Management Service (MMS) Gulf of Mexico Outer Continental Shelf Environmental Studies Programs.

The reports are based on the National Oceanographic Data Center (NODC) "Report of Observations/Samples Collected by Oceanographic Programs (ROSCOP) Second Edition" (NOAA Form 24-23 (1-76)) but printed in a slightly different format. Sample ROSCOP forms are shown on the following pages.

OCEANOGRAPHY - GENERAL CRUISE INVENTORY

(ROSCOP - II)

A40 REFERENCE NUMBER

A01 EXPEDITION/PROJECT		YES	NO	PART	
A11 CRUISE NUMBER OR NAME		A91 Declared national program?			
A02 SHIP OR PLATFORM		A81 Exchange restricted?			
A12 PLATFORM TYPE		A92 Co-operative program?		A72 NAME	
A03 COUNTRY		A04 ORGANIZATION		A62 BY WHOM?	
		A05 CHIEF SCIENTIST(S)			

A06 NAME AND ADDRESSES OF ORGANIZATIONS AND PERSONS WHOM TO QUERY		FINAL DISPOSITION OF DATA	
A1		A2	
B1		B2	
C1		C2	
D1		D2	
E1		E2	

DATE	DAY	MONTH	YEAR	A08 GENERAL OCEAN AREAS
A07 FROM				A09 TYPE(S) OF MARINE ZONE(S)
A17 TO				

GEOGRAPHIC AREA		A10 LATITUDE		A20 LONGITUDE	
<i>If all data were collected at a fixed station, fill in the co-ordinates</i>		° ' " N/S		° ' " E/W	

A15 FEDERAL SUPPORT

A25 REMARKS

DISCIPLINE AND TYPE OF MEASUREMENTS	Index 10° x 10°				INDEX 1° x 1°	DISCIPLINE AND TYPE OF MEASUREMENTS	Index 10° x 10°				INDEX 1° x 1°
	Qc	L	G	G			Qc	L	G	G	
A B						A B					
A B						A B					
A B						A B					
A B						A B					
A B						A B					
A B						A B					
A B						A B					
A B						A B					
A B						A B					

G - GEOLOGY GEOPHYSICS				G - GEOLOGY GEOPHYSICS (Continued)			NUMBER		FORMA
GL MEASUREMENTS MADE AT A SPECIFIC LOCATION	NUMBER	i	FORMAT	GS TYPES OF STUDIES					
G01 Dredge				G31 Physical analysis of sediments					
G02 Grab				G32 Chemical analysis of sediments					
G03 Core rock (no. of cores)				G33 Paleothermy					
G04 Core-soft bottom (no. of cores)				G34 Paleomagnetism and rock magnetism					
G05 Sampling by divers				G35 Paleontology					
G06 Sampling by submersible				G36 Geothermy					
G07 Drilling				G37 Geochronology					
G08 Bottom photography				G38 Mineral and fossil resources					
G09 Sea floor temperature (≤ 1 m from bottom)				G39 Litteral zone studies					
G10 Acoustical properties of the sea floor				G90 Other measurements					
G11 Engineering properties of the sea floor				D - DYNAMICS					
G12 Magnetic properties of the sea floor				D01 Current meters (no. of stat.)					
G13 Gravimetric properties of the sea floor				D02 Current meters (Average duration of measurement days)					
G14 Radioactivity measurements				D03 Currents measured from ship drift					
G70 Other measurements				D04 GEK					
				D05 Drifters (number)					
				D06 Swallow floats (number)					
				D07 Drift cards (no. released)					
GU MEASUREMENTS UNDERWAY				D08 Bottom drifters (no. released)					
G21 Motion picture of sea floor (No. of nautical miles)				D09 Tidal observation (duration)					
G22 Bathymetry-wide beam (no. of nautical miles)				D10 Sea and swell (no. of observations)					
G23 Bathymetry-narrow beam (no. of nautical miles)				D90 Other measurements					
G24 Side scan sonar (no. of nautical miles)									
G25 Seismic reflection (no. of nautical miles)				M - METEOROLOGY					
G26 Seismic refraction (no. of nautical miles)				M01 Upper air observations					
G27 Gravimetry				M02 Incident radiation					
G28 Magnetism				M03 Air-sea interface studies					
G29 Other measurements				M04 Ice observations					
				M05 Occasional standard measurements					
				M06 Systematic standard measurements					
				M90 Other measurements					

H- HYDROGRAPHY

HS SURFACE		NUMBER	i	I	FORMAT	HC CHEMICAL		NUMBER	i	I	FORMAT
H01	Continuous temperature recording					H26	Silicates				
H02	Continuous salinity recording					H27	Alkalinity				
H03	Discrete temperature measurements					H28	pH				
H04	Discrete salinity measurements					H29	Chlorinity				
NEAR SEA FLOOR (≤ 10 m)						H30	Trace elements				
H05	Continuous temperature recording					H31	Radioactivity				
H06	Continuous salinity recording					H32	Isotopes				
H07	Discrete temperature measurements					H33	Dissolved gases				
H08	Discrete salinity measurements					H90	Other measurements				
HP PHYSICAL											
H09	Classical oceanographic stations					P - POLLUTION					
H10	Vertical profiles (STD/CTD)					P01	Suspended solids				
H11	Sub-surface measurements underway					P02	Heavy metals				
H12	Mechanical bathythermograph (No. of drops)					P03	Petroleum residues				
H13	Bathythermograph-expendable (No. of drops)					P04	Chlorinated hydrocarbons				
H14	Sound velocity stations					P05	Other dissolved substances				
H15	Acoustic stations					P06	Thermal pollution				
H16	Transparency					P07	Waste water: BOD				
H17	Optics					P08	Waste water: Nitrates				
H18	Diffusion (Dynamic)					P09	Waste water: Microbiology				
H80	Other measurements					P10	Waste water: Other				
						P11	Discolored water				
						P12	Bottom deposits				
HC CHEMICAL						P13	Contaminated organisms				
H21	Oxygen					P90	Other measurements				
H22	Phosphates										
H23	Total-P										
H24	Nitrates										
H25	Nitrites										

B - BIOLOGY

	NUMBER	i	i	FORMAT		NUMBER	i	i	FORM
B01 Primary productivity					B31 Vitamin concentrations				
B02 Phytoplankton pigments					B32 Amino acid concentration				
B03 Seston					B33 Hydrocarbon concentrations				
B04 Particulate organic carbon					B34 Lipid concentrations				
B05 Particulate organic nitrogen					B35 ATP-ADP-AMP concentrations				
B06 Dissolved organic matter					B36 DNA-RNA concentrations				
B07 Bacterial and pelagic micro-organisms					B37 Taggings				
B08 Phytoplankton					B80 Other measurements				
B09 Zooplankton									
B10 Neuston					BS TYPES OF STUDIES				
B11 Nekton					B51 Identification				
B12 Invertebrate nekton					B52 Spatial and temporal distribution				
B13 Pelagic eggs and larvae					B53 Monitoring and surveillance				
B14 Pelagic fish					B54 Biomass determination				
B15 Amphibians					B55 Description of communities				
B16 Benthic bacteria and micro-organisms					B56 Food chains energy transfers				
B17 Phyto-benthos					B57 Population and environments				
B18 Zoobenthos					B58 Population structures				
B19 Commercial demersal fish					B59 Taxonomy, systematics, classification				
B20 Commercial benthic molluscs					B60 Physiology				
B21 Commercial benthic crustacean					B61 Behaviour				
B22 Attached plants and algae					B62 Pathology, parasitology				
B23 Intertidal organisms					B63 Toxicology				
B24 Borers and foulers					B64 Gear research				
B25 Birds					B65 Exploratory fishing				
B26 Mammals and reptiles					B66 Commercial fishing				
B27 Deep scattering layers					B67 Aquaculture				
B28 Acoustical reflections on marine organisms					B90 Other measurements				
B29 Biologic sounds									
B30 Bioluminescence									

Reference Number: R390128
Expedition/Project: BLM-OCS, South Texas
Cruise Number or Name: South Texas - OCS
Ship or Platform: R/V Kana Keoki (WY22003)
Platform Type: 01
Country: USA
Organization: US Geological Survey, Office of Marine Geology
Declared National Program? yes
Exchange Restricted? no
Co-operative program? no
Name: Shelf environmental assessment
Co-ordinated Internationally? no
Chief Scientist: Henry L Berryhill
Whom to Query: A1: H L Berryhill

USGS
Box 6732
Corpus Christi, TX
A2: BLM, Washington, DC
B2: NGSDC, NOAA
C2: NODC, NOAA

Date from: 26 10 74
Date to: 21 12 74
General Ocean Areas: 26
Type(s) of Marine Zone(s): 07
Federal Support: BLM
Discipline & Type of Measurements: GL GU GS D HP
Index 10 x 10 & 1 x 1: 7209 66 67 75 76 77 86

Dynamics: D05: 79 A1 A2 4
D05: 79 A1 C2 4
Geology/Geophysics: G02: 274 A1 A2 4
G02: 274 A1 B2 4
G04: 79 A1 A2 4
G04: 79 A1 B2 4
G24: 1500 A1
G25: 1500 A1
G31: 274 A1 A2 4
G31: 274 A1 B2 4
G32: 274 A1 A2 4
G32: 274 A1 B2 4

Hydrography: H13: 137 A1

Reference Number: R390621
Expedition/Project: BLM-CICAR Circulation & Chemistry
Cruise Number or Name: RP-3-RE-75
Ship or Platform: OSS-03 Researcher (WTER)
Platform Type: 01
Country: USA
Organization: Department of Commerce, NOAA, ADML
Declared National Program? yes
Exchange Restricted? no
Co-operative program? yes
Name: CICAR
Co-ordinated Internationally?

Chief Scientist: Robert L Molinari
 George Berberian
Whom to Query: A1: R L Molinari
 ADML
 A2: NODC
 B1: George Berberian
 ADML
 B2: NODC
Date from: 11 06 75
Date to: 30 06 75
General Ocean Areas: 26
Type(s) of Marine Zone(s):
Federal Support: BLM, NOAA
Discipline & Type of Measurements: GU M HS HP HC B
 GU M HS HP HC B
 GU M HS HP HC B
 GU M HS HP HC B
Index 10 x 10 & 1 x 1: 7108 96 95
 7208 05 15 16 24 25 26 27 37 36 35 34 33 32 31 45 44 43 42
 7208 41 58 57 56 55 54 53 68 67 64 63 79 78 77 76 74 89 88
 7208 86 85 84 97 96 85
Biology: B02: 175 B1 B2 9
Geology/Geophysics: G23: 2820 A1 A2 3
Hydrography: H01: X A1 A2 3
 H09: 68 A1 A2 9
 H13: 243 A1 A2 7
 H21: 725 B1 B2 9
 H22: 725 B1 B2 9
 H24: 725 B1 B2 9
 H25: 725 B1 B2 9
 H26: 725 B1 B2 9
 H28: 725 B1 B2 9
 H30: 490 B1 B2 9
 H80: 876 A1 A2 9
Meteorology: M06: X A1 A2 hourly
 +-----+
Reference Number: R390622
Expedition/Project: BLM-CICAR Circulation & Chemistry
Cruise Number or Name:
Ship or Platform: R/V Virginia Key (WTAU)
Platform Type: 01
Country: USA
Organization: Department of Commerce, NOAA, ADML
Declared National Program? yes
Exchange Restricted? no
Co-operative program? yes
Name: CICAR
Co-ordinated Internationally?
Chief Scientist: Robert Molinari
Whom to Query: A1: Robert Molinari
 ADML
 A2: NODC
Date from: 16 06 75
Date to: 29 06 75

General Ocean Areas: 26
 Type(s) of Marine Zone(s):
 Federal Support: BLM, NOAA
 Discipline & Type of Measurements: HP D
 Index 10 x 10 & 1 x 1: 7208 06 05 15 25 36 45 54 43 42
 Hydrography: H10: 44 A1 A2 3
 H13: 63 A1 A2 3

++++++
 Reference Number: R390623
 Expedition/Project: BLM-CICAR Circulation & Chemistry
 Cruise Number or Name:
 Ship or Platform: R/V Virginia Key (WTAU)
 Platform Type: 01
 Country: USA
 Organization: Department of Commerce, NOAA, ADML
 Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? yes
 Name: CICAR
 Co-ordinated Internationally?
 Chief Scientist: Robert Molinari
 Whom to Query: A1: Robert Molinari
 ADML

A2: NODC
 Date from: 28 05 75
 Date to: 12 06 75
 General Ocean Areas: 26
 Type(s) of Marine Zone(s):
 Federal Support: BLM, NOAA
 Discipline & Type of Measurements: HP D
 HP D
 Index 10 x 10 & 1 x 1: 7108 97
 7208 06 16 25 36 45 44 43 33 32
 H10: 30 A1 A2 3
 H13: 103 A1 A2 3

++++++
 Reference Number: R390700
 Expedition/Project: MAFLA Baseline
 Cruise Number or Name: BLM-10
 Ship or Platform: R/V Columbus Iselin
 Platform Type: 01
 Country: USA
 Organization: State University System of Florida, Institute of Oceanography
 Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? yes
 Name: MAFLA Baseline
 Co-ordinated Internationally? no
 Chief Scientist: Wayne D Bock
 Whom to Query: A1: N J Blake
 University of South Florida
 A2: BLM
 Washington, DC
 B1: F J S Maturo

University of Florida
 C1: D R Moore
 University of Miami
 D1: W D Bock
 University of Miami
 E1: L J Doyle
 University of South Florida
 F1: T & J Lytle
 Gulf Coast Research Lab
 G1: B J Presley
 Texas A&M University
 H1: P A LaRock
 Florida State University
 I1: State University System, Institute of Oceanography
 J1: T V Mayou
 University of South Florida

Date from: 27 05 75
 Date to: 10 06 75
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04 07
 Federal Support: BLM
 Remarks: 690: ATP in sediments (H1), foraminifera (D1),
 Hydrocarbons in sediments (F1)
 690: Photos, epoxy peels, X-ray

Discipline & Type of Measurements: G B BS
 Index 10 x 10 & 1 x 1: 720B

Biology:	B17:	34 A1 A2 1	
	B17:	34 B1 A2 1	
	B17:	34 C1 A2 1	
	B18:	34 A1 A2 1	
	B18:	34 B1 A2 1	
	B18:	34 C1 A2 1	
	B33:	34 F1 A2 1	sediments
	B35:	34 H1 A2 1	sediments
	B38:	34 D1 A2 1	foraminifera
	B51:	34 A1 A2 1	
	B51:	34 B1 A2 1	
	B51:	34 C1 A2 1	
	B52:	34 A1 A2 1	
	B52:	34 B1 A2 1	
	B52:	34 C1 A2 1	
	B53:	34 A1 A2 1	
	B53:	34 B1 A2 1	
	B53:	34 C1 A2 1	
	B54:	34 A1 A2 1	
	B54:	34 B1 A2 1	
	B54:	34 C1 A2 1	
Geology/Geophysics:	G04:	X I1 A2 1	11 cores from 34 stations
	G31:	34 E1 A2 1	
	G32:	34 G1 A2 1	
	G70:	34 J1 A2 1	photos, epoxy peels, X-ray

++++++
 Reference Number: R390701
 Expedition/Project: MAFLA Baseline

Cruise Number or Name: BLM-11
 Ship or Platform: R/V Bellows (WY 6808)
 Platform Type: 01
 Country: USA
 Organization: State University System of Florida, Institute of Oceanography
 Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? yes
 Name: MAFLA Baseline
 Co-ordinated Internationally? no
 Chief Scientist: Thomas S Hopkins
 Whom to Query: A1: State University System, Institute of Oceanography
 A2: BLM
 Washington, DC
 B1: T S Hopkins
 University of West Florida
 C1: S Betzer
 University of South Florida
 D1: P A Meyers
 University of Michigan
 E1: L J Doyle
 University of South Florida
 F1: N J Blake
 University of South Florida
 G1: T & J Lytle
 Gulf Coast Research Lab
 Date from: 02 06 75
 Date to: 02 07 75
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04
 Federal Support: BLM
 Remarks: B80: Trace metals in invertebrates
 B62: Histopathology
 Discipline & Type of Measurements: G B
 Index 10 x 10 & 1 x 1: 7208
 Biology: B17: 8 B1 A2 1
 B18: 8 B1 A2 1
 B22: 8 B1 A2 1
 B33: 8 D1 A2 1
 B33: 8 G1 A2 1
 B40: 8 C1 A2 1 trace metals-invertebrates
 B51: 8 B1 A2 1
 B52: 8 B1 A2 1
 B53: 8 B1 A2 1
 B57: 8 B1 A2 1
 B58: 8 B1 A2 1
 B62: 8 F1 A2 1 histopathology
 Geology/Geophysics: G05: 8 B1 A2 1
 G08: 8 B1 A2 1
 G32: 8 B1 A2 1
 ++++++

Reference Number: R390702
 Expedition/Project: MAFLA Baseline
 Cruise Number or Name: BLM-15

Ship or Platform: R/V Bellows (WY 6808)
 Platform Type: 01
 Country: USA
 Organization: State University System of Florida, Institute of Oceanography
 Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? yes
 Name: MAFLA Baseline
 Co-ordinated Internationally? no
 Chief Scientist: T S Hopkins
 Whom to Query: A1: State University System, Institute of Oceanography
 A2: BLM

Washington, DC
 B1: Hopkins
 University of West Florida
 C1: S Bortone
 University of West Florida
 D1: P Meyers
 University of Michigan
 E1: S Betzer
 University of South Florida
 F1: T & J Lytle
 Gulf Coast Research Lab

Date from: 23 07 75
 Date to: 28 07 75
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04 07
 Federal Support: BLM
 Remarks: B80: Trace metals in epibenthic organisms, Capetown dredge
 and balloon trawl samples (Query A1)

Discipline & Type of Measurements: B BS
 Index 10 x 10 & 1 x 1: 7208

Biology: B17: 12 B1 A2 1
 B18: 12 B1 A2 1
 B19: 12 C1 A2 1
 B33: 12 D1 A2 1
 B33: 12 F1 A2 1
 B40: 12 E1 A2 1 trace metals-epibenthos
 B51: 12 B1 A2 1
 B52: 12 B1 A2 1
 B53: 12 B1 A2 1
 B54: 12 B1 A2 1

++++++
 Reference Number: R390703
 Expedition/Project: MAFLA Baseline
 Cruise Number or Name: BLM-17
 Ship or Platform: R/V Bellows (WY 6808)
 Platform Type: 01
 Country: USA
 Organization: State University System of Florida, Institute of Oceanography
 Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? yes
 Name: MAFLA Baseline

Co-ordinated Internationally? no
 Chief Scientist: Norman J Blake
 Whom to Query: A1: State University System, Institute of Oceanography
 A2: BLM
 Washington, DC
 B1: P Meyers
 University of Michigan
 C1: S Betzer
 University of South Florida
 D1: T Hopkins
 University of West Florida
 E1: T & J Lytle
 Gulf Coast Research Lab
 F1: S Bortone
 University of West Florida
 Date from: 30 07 75
 Date to: 31 07 75
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04 07
 Federal Support: BLM
 Remarks: B80: Trace metals in epibenthic organisms, Anchor dredge
 samples (Query A1)

Discipline & Type of Measurements: B BS
 Index 10 x 10 & 1 x 1: 720B
 B17: 2 D1 A2 1
 B18: 2 D1 A2 1
 B19: 2 F1 A2 1
 B33: 2 B1 A2 1
 B33: 2 E1 A2 1
 B40: 2 C1 A2 1 trace metals-epibenthos
 B51: 2 D1 A2 1
 B52: 2 D1 A2 1
 B53: 2 D1 A2 1
 B54: 2 D1 A2 1

++++++
 Reference Number: R390704
 Expedition/Project: MAFLA Baseline
 Cruise Number or Name: BLM-13
 Ship or Platform: R/V Gyre
 Platform Type: 01
 Country: USA
 Organization: State University System of Florida, Institute of Oceanography
 Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? yes
 Name: MAFLA Baseline
 Co-ordinated Internationally? no
 Chief Scientist: T S Hopkins
 Whom to Query: A1: State University System, Institute of Oceanography
 A2: BLM
 Washington, DC
 B1: T Hopkins
 University of West Florida
 C1: S Bortone

University of West Florida
 D1: P Meyers
 University of Michigan
 E1: S Betzer
 University of South Florida
 F1: T & J Lytle
 Gulf Coast Research Lab
 Date from: 18 07 75
 Date to: 21 07 75
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04 07
 Federal Support: BLM
 Remarks: B80: Trace metals in epibenthic organisms, Capetown dredge
 and balloon trawl samples (Query A1)
 Discipline & Type of Measurements: B BS
 Index 10 x 10 & 1 x 1: 7208

B17: 6 B1 A2 1
 B18: 6 B1 A2 1
 B19: 6 C1 A2 1
 B33: 6 D1 A2 1
 B33: 6 F1 A2 1
 B40: 6 E1 A2 1 trace metals-epibenthos
 B51: 6 B1 A2 1
 B52: 6 B1 A2 1
 B53: 6 B1 A2 1
 B54: 6 B1 A2 1

++++++
 Reference Number: R390705
 Expedition/Project: MAFLA Baseline
 Cruise Number or Name: BLM-14
 Ship or Platform: R/V Gyre
 Platform Type: 01
 Country: USA
 Organization: State University System of Florida, Institute of Oceanography
 Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? yes
 Name: MAFLA Baseline
 Co-ordinated Internationally? no
 Chief Scientist: Norman J Blake
 Whom to Query: A1: N Blake
 University of South Florida
 A2: BLM
 Washington, DC
 B1: F Maturo
 University of Florida
 C1: D Moore
 University of Miami
 D1: W Bock
 University of Miami
 E1: L Doyle
 University of South Florida
 F1: T & J Lytle
 Gulf Coast Research Lab

G1: B Presley
 Texas A&M University
 H1: P LaRock
 Florida State University
 I1: State University System, Institute of Oceanography
 J1: T Mayou
 University of South Florida

Date from: 22 07 75
 Date to: 25 07 75
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04 07
 Federal Support: BLM
 Remarks: G90: ATP in sediments (H1), foraminifera (D1),
 Hydrocarbons in sediments (F1)
 G90: Photos, epoxy peels, X-ray

Discipline & Type of Measurements: 6 B B5
 Index 10 x 10 & 1 x 1: 7208

B17:	9 A1 A2 1	
B17:	9 B1 A2 1	
B17:	9 C1 A2 1	
B18:	9 A1 A2 1	
B18:	9 B1 A2 1	
B18:	9 C1 A2 1	
B33:	9 F1 A2 1	sediments
B35:	9 H1 A2 1	sediments
B38:	9 D1 A2 1	foraminifera
B51:	9 A1 A2 1	
B51:	9 B1 A2 1	
B51:	9 C1 A2 1	
B52:	9 A1 A2 1	
B52:	9 B1 A2 1	
B52:	9 C1 A2 1	
B53:	9 A1 A2 1	
B53:	9 B1 A2 1	
B53:	9 C1 A2 1	
B54:	9 A1 A2 1	
B54:	9 B1 A2 1	
B54:	9 C1 A2 1	
G04:	X I1 A2 1	11 cores from 9 stations
G31:	9 E1 A2 1	
G32:	9 G1 A2 1	
G70:	9 J1 A2 1	photos, epoxy peels, X-ray

Geology/Geophysics:

 Reference Number: R390706
 Expedition/Project: MAFLA Baseline
 Cruise Number or Name: BLM-12
 Ship or Platform: R/V Tursiops
 Platform Type: 01
 Country: USA
 Organization: State University System of Florida, Institute of Oceanography
 Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? yes
 Name: MAFLA Baseline

Co-ordinated Internationally? no
 Chief Scientist: Lee Edmiston
 Whom to Query: A1: M Rinke
 State University System, Institute of Oceanography
 A2: BLM
 Washington, DC
 B1: F Manheim
 University of South Florida
 C1: P Betzer
 University of South Florida
 D1: J Calder
 Florida State University
 E1: G Knauer
 Florida State University
 F1: R Iverson
 Florida State University
 G1: S Collard
 University of West Florida
 H1: F Maturo
 University of Florida
 I1: W Huang
 University of South Florida

Date from: 18 06 75
 Date to: 17 07 75
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04 07
 Federal Support: BLM
 Remarks: B80: Trace metals in neuston and zooplankton
 H90: Suspended mineralogy (I1), hydrocarbons (D1)

Discipline & Type of Measurements: H B
 Index 10 x 10 & 1 x 1: 7208

Biology:	B01:	15 F1 A2 1	
	B02:	15 F1 A2 1	
	B04:	15 E1 A2 1	
	B06:	15 E1 A2 1	
	B08:	15 F1 A2 1	
	B09:	15 H1 A2 1	
	B10:	15 G1 A2 1	
	B33:	15 D1 A2 1	
	B40:	15 C1 A2 1	trace metals-neuston & zooplankton
	B51:	15 G1 A2 1	
	B51:	15 H1 A2 1	
	B52:	15 D1 A2 1	
	B53:	15 D1 A2 1	
	B54:	15 H1 A2 1	
Geology/Geophysics:	G32:	15 I1 A2 1	suspended sediments
Hydrography:	H10:	21 A1 A2 1	
	H13:	14 A1 A2 1	
	H16:	5 B1 A2 1	
	H30:	15 C1 A2 1	
	H34:	15 D1 A2 1	hydrocarbons

 Reference Number: R390707
 Expedition/Project: MAFLA Baseline

Cruise Number or Name: BLM-16
 Ship or Platform: M/V Decca Profiler (WT 4559)
 Platform Type: 01
 Country: USA
 Organization: State University System of Florida, Institute of Oceanography
 Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? yes
 Name: MAFLA Baseline
 Co-ordinated Internationally? no
 Chief Scientist: T Pyle
 U J Henry
 J McCarthy

Whom to Query: A1: T Pyle
 University of South Florida
 St Petersburg, FL 33701

A2: BLM
 Washington, DC

Date from: 25 07 75
 Date to: 17 08 75
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04 07
 Federal Support: BLM
 Remarks: 629: 3.5 kHz profiles

Discipline & Type of Measurements: GU
 Index 10 x 10 & 1 x 1: 7208

Geology/Geophysics: G23: 2000 A1 A2 3
 G24: 2000 A1 A2 3 miles
 G25: 2000 A1 A2 3 miles
 G29: 2000 A1 A2 3 3.5 kHz profiles

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Reference Number: R390754
 Expedition/Project: BLM-CICAR
 Cruise Number or Name: 7525
 Ship or Platform: R/V Virginia Key (WTAU)
 Platform Type: 01
 Country: USA
 Organization: NOAA, Atlantic Oceanographic and Meteorological Laboratory
 Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? yes
 Name: BLM-CICAR

Co-ordinated Internationally? yes
 By Whom? Robert L Molinari
 Chief Scientist: Robert L Molinari
 Whom to Query: A1: Robert L Molinari
 A2: NODC

Date from: 18 08 75
 Date to: 31 08 75
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 06
 Federal Support: BLM, NOAA
 Discipline & Type of Measurements: HP
 HP

Index 10 x 10 & 1 x 1: 7208 64 65 66 54 56 41 42 43 44 45 46 47 31 32 33 35 36 37
7208 24 25 26 15 16

Hydrography: H10: 54 A1 A2 3
H13: 71 A1 A2 3

Reference Number: R390813
Expedition/Project: MAFLA Baseline
Cruise Number or Name: BLM-22
Ship or Platform: R/V Gyre
Platform Type: 01
Country: USA
Organization: State University System of Florida, Institute of Oceanography
Declared National Program? yes
Exchange Restricted? no
Co-operative program? yes
Name: MAFLA Baseline
Co-ordinated Internationally? no
Chief Scientist: R Shipp
Whom to Query: A1: State University System, Institute of Oceanography
A2: BLM
Washington, DC
B1: T Hopkins
University of Alabama
C1: S Bortone
University of West Florida
D1: P Meyers
University of Michigan
E1: S Betzer
University of South Florida
F1: T & J Lytle
Gulf Coast Research Lab

Date from: 18 10 75
Date to: 23 10 75
General Ocean Areas: 26
Type(s) of Marine Zone(s): 04 07
Federal Support: BLM
Remarks: B80: Trace metals in epibenthic organisms, Capetown dredge
and balloon trawl samples (Query A1)

Discipline & Type of Measurements: B BS
Index 10 x 10 & 1 x 1: 7208

Biology: B17: 18 B1 A2 1
B18: 18 B1 A2 1
B19: 18 C1 A2 1
B33: 18 D1 A2 1
B33: 18 F1 A2 1
B40: 18 E1 A2 1 trace metals-epibenthos
B51: 18 B1 A2 1
B52: 18 B1 A2 1
B53: 18 B1 A2 1
B54: 18 B1 A2 1

Reference Number: R390814
Expedition/Project: MAFLA Baseline
Cruise Number or Name: BLM-21 (C1-7512)

Ship or Platform: R/V Columbus Iselin
 Platform Type: 01
 Country: USA
 Organization: State University System of Florida, Institute of Oceanography
 Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? yes
 Name: MAFLA Baseline
 Co-ordinated Internationally? no
 Chief Scientist: Wayne D Bock
 Whom to Query: A1: N J Blake
 University of South Florida
 A2: BLM
 Washington, DC
 B1: F J S Maturo
 University of Florida
 C1: D R Moore
 University of Miami
 D1: W D Bock
 University of Miami
 E1: L J Doyle
 University of South Florida
 F1: T & J Lytle
 Gulf Coast Research Lab
 G1: B J Presley
 Texas A&M University
 H1: P A LaRock
 Florida State University
 I1: State University System, Institute of Oceanography
 J1: T V Mayou
 University of South Florida
 Date from: 12 09 75
 Date to: 29 09 75
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04 07
 Federal Support: BLM
 Remarks: 690: ATP in sediments (H1), foraminifera (D1),
 Hydrocarbons in sediments (F1)
 690: Photos, epoxy peels, X-ray
 Discipline & Type of Measurements: G B BS
 Index 10 x 10 & 1 x 1: 7208
 B17: 45 A1 A2 1
 B17: 45 B1 A2 1
 B17: 45 C1 A2 1
 B18: 45 A1 A2 1
 B18: 45 B1 A2 1
 B18: 45 C1 A2 1
 B33: 45 F1 A2 1 sediments
 B35: 45 H1 A2 1 sediments
 B38: 45 D1 A2 1 foraminifera
 B51: 45 A1 A2 1
 B51: 45 B1 A2 1
 B51: 45 C1 A2 1
 B52: 45 A1 A2 1

B52: 45 B1 A2 1
 B52: 45 C1 A2 1
 B53: 45 A1 A2 1
 B53: 45 B1 A2 1
 B53: 45 C1 A2 1
 B54: 45 A1 A2 1
 B54: 45 B1 A2 1
 B54: 45 C1 A2 1
Geology/Geophysics: G04: X I1 A2 1 10 cores from 45 stations
 G31: 45 E1 A2 1
 G32: 45 G1 A2 1
 G70: 45 J1 A2 1 photos, epoxy peels, X-ray

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Reference Number: R390815
Expedition/Project: MAFLA Baseline
Cruise Number or Name: BLM-20 (T-10)
Ship or Platform: R/V Tursiops
Platform Type: 01
Country: USA
Organization: State University System of Florida, Institute of Oceanography
Declared National Program? yes
Exchange Restricted? no
Co-operative program? yes
 Name: MAFLA Baseline
Co-ordinated Internationally? no
Chief Scientist: Lee Edmiston
Whom to Query: A1: M Rinkel
 State University System, Institute of Oceanography
 A2: BLM
 Washington, DC
 B1: F Manheim
 University of South Florida
 C1: P Betzer
 University of South Florida
 D1: J Calder
 Florida State University
 E1: G Knauer
 Florida State University
 F1: R Iverson
 Florida State University
 G1: S Collard
 University of West Florida
 H1: F Maturo
 University of Florida
 I1: W Huang
 University of South Florida
Date from: 06 09 75
Date to: 03 10 75
General Ocean Areas: 26
Type(s) of Marine Zone(s): 04 07
Federal Support: BLM
Remarks: B80: Trace metals in neuston and zooplankton
 H90: Suspended mineralogy (I1), hydrocarbons (D1)
Discipline & Type of Measurements: H B

Index 10 x 10 & 1 x 1:

7208

Biology:

B01: 15 F1 A2 1
 B02: 15 F1 A2 1
 B04: 15 E1 A2 1
 B06: 15 E1 A2 1
 B08: 15 F1 A2 1
 B09: 15 H1 A2 1
 B10: 15 G1 A2 1
 B33: 15 D1 A2 1
 B40: 15 C1 A2 1
 B51: 15 G1 A2 1
 B51: 15 H1 A2 1
 B52: 15 D1 A2 1
 B53: 15 D1 A2 1
 B54: 15 H1 A2 1

trace metals-neuston & zooplankton

Geology/Geophysics:

G32: 15 I1 A2 1

suspended

Hydrography:

H10: 24 A1 A2 1
 H13: 11 A1 A2 1
 H16: 22 B1 A2 1
 H30: 15 C1 A2 1
 H34: 15 D1 A2 1

hydrocarbons

Reference Number:

R390817

Expedition/Project:

MAFLA Baseline

Cruise Number or Name:

BLM-19 (B-7511)

Ship or Platform:

R/V Bellows (WY 6808)

Platform Type:

01

Country:

USA

Organization:

State University System of Florida, Institute of Oceanography

Declared National Program?

yes

Exchange Restricted?

no

Co-operative program?

yes

Name:

MAFLA Baseline

Co-ordinated Internationally?

no

Chief Scientist:

Thomas S Hopkins

Whom to Query:

A1: State University System, Institute of Oceanography

A2: BLM

Washington, DC

B1: T S Hopkins

University of Alabama

C1: S Betzer

University of South Florida

D1: P A Meyers

University of Michigan

E1: L J Doyle

University of South Florida

F1: N J Blake

University of South Florida

G1: T & J Lytle

Gulf Coast Research Lab

Date from:

02 09 75

Date to:

06 10 75

General Ocean Areas:

26

Type(s) of Marine Zone(s):

04 07

Federal Support: BLM
 Remarks: B80: Trace metals in invertebrates
 B90: Histopathology

Discipline & Type of Measurements: G B
 Index 10 x 10 & 1 x 1: 7208

Biology: B17: B B1 A2 1
 B18: B B1 A2 1
 B22: B B1 A2 1
 B33: B D1 A2 1
 B33: B G1 A2 1
 B40: B C1 A2 1 trace metals-invertebrates
 B51: B B1 A2 1
 B52: B B1 A2 1
 B53: B B1 A2 1
 B57: B B1 A2 1
 B58: B B1 A2 1
 B62: B F1 A2 1 histopathology
 Geology/Geophysics: G05: B B1 A2 1
 G08: B B1 A2 1
 G32: B E1 A2 1

Reference Number: R390832
 Expedition/Project: BLM-CICAR
 Cruise Number or Name: 7527
 Ship or Platform: R/V Virginia Key (WTAU)
 Platform Type: 01
 Country: USA
 Organization: NOAA, ADML and BLM
 Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? yes
 Name: BLM-CICAR
 Co-ordinated Internationally? yes
 By Whom? Dr Robert Molinari (CICAR)
 Chief Scientist: Darrell Tidwell
 Whom to Query: A1: Robert Molinari
 NOAA/ADML
 15 Rickenbacker Causeway
 Miami, FL 33141
 A2: NODC

Date from: 07 11 75
 Date to: 23 11 75
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 07
 Federal Support: BLM, NOAA
 Discipline & Type of Measurements: HP HC
 HP
 HP
 Index 10 x 10 & 1 x 1: 7208 42 43 54 64 74 73 63 53 52
 7208 40 41
 7208 59

Hydrography: H09: 14 A1 A2 9
 H10: 25 A1 A2 3
 H13: 17 A1 A2 3

H22: 52 B1 A2 9
 H24: 52 B1 A2 9
 H25: 52 B1 A2 9
 H26: 52 B1 A2 9

Reference Number: R390833
 Expedition/Project: BLM-CICAR
 Cruise Number or Name: RP-RE12-75
 Ship or Platform: OSS-03 Researcher (WTER)
 Platform Type: 01
 Country: USA
 Organization: NOAA, Atlantic Oceanographic and Meterological Laboratory
 Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? yes
 Name: BLM-CICAR
 Co-ordinated Internationally? yes
 By Whom? Robert Molinari
 Chief Scientist: Robert Molinari
 George Berberian
 Whom to Query: A1: Dr Robert Molinari
 NOAA/ADML
 15 Rickenbacker Causeway
 Miami, FL
 A2: NODC
 B1: George Berberian
 NOAA/ADML
 15 Rickenbacker Causeway
 Miami, FL
 Date from: 16 10 75
 Date to: 25 11 75
 General Ocean Areas: 26 27
 Type(s) of Marine Zone(s): 07
 Federal Support: BLM, NOAA
 Discipline & Type of Measurements: M HS HP HC GU
 HC
 M HS HP HC GU
 HC
 M HS HP HC GU
 HC
 M HS HP HC GU
 M HS HP HC GU
 D
 Index 10 x 10 & 1 x 1: 7106 78 77 12 31 41 62
 7106
 7107 78 79
 7208
 7108 70 61 72 73 83 84 95 96 97
 7108
 7208 07 06 05 16 15 25 36 47 58 68 78 88 97 96 86 85 87 77
 7208 76 75 74 64 65 66 57 56 55 54 45 46 35 34 43 32 41
 7106
 Dynamics: D05: 10 A1 A2 0 drogue bouys
 Geology/Geophysics: G23: 4920 A1 A2 3

Hydrography: H01: X A1 A2 3
 H10: 138 A1 A2 9
 H13: 262 A1 A2 7
 H21: 1332 B1 A1 9
 H22: 1332 B1 A1 9
 H24: 1332 B1 A1 9
 H25: 1332 B1 A1 9
 H26: 1332 B1 A1 9
 H28: 1332 B1 A1 9
 H30: 370 B1 A1 9

Meteorology: M06: X A1 A2 hourly

Reference Number: R390910
 Expedition/Project: 75-G-7 Legs I-IV
 Cruise Number or Name: 75-G-7 Legs I-IV
 Ship or Platform: R/V Gyre
 Platform Type:
 Country: USA
 Organization: Texas A&M University
 Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? no
 Co-ordinated Internationally? no
 Chief Scientist: R Rezak (Legs I & IV)
 A H Bouma (Leg II)
 W Hottman (Leg III)

Whom to Query: A1: Texas A&M University, Department of Oceanography
 A2: Texas A&M University, Department of Oceanography
 B1: T J Bright, Texas A&M University, Department of Oceanography
 C1: R Rezak, Texas A&M University, Department of Oceanography

Date from: 05 05 75
 Date to: 15 06 75
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 07
 Federal Support: BLM
 Discipline & Type of Measurements: B G GU HC GS
 Index 10 x 10 & 1 x 1: 7209

Biology: B10: X B1 A2 1,8
 B11: X B1 A2 1,8
 B14: X B1 A2 1,8
 B18: X B1 A2 1,8
 B19: X B1 A2 1,8
 B22: X B1 A2 1,8
 B24: X B1 A2 1,8

Geology/Geophysics: G01: 12 C1 A2 1
 G02: 80 C1 A2 1
 G04: 29 C1 A2 1
 G06: 14 B1 A2 1,8
 G08: 1086 B1 A2 1,8
 G23: 400 C1 A2 3
 G24: 400 C1 A2 3
 G32: X C1 A2 1

Hydrography: H30: 30 C1 A2 1

Reference Number: R390983
 Expedition/Project: BLM-CICAR
 Cruise Number or Name: 7602
 Ship or Platform: R/V Virginia Key (WTAU)
 Platform Type: 01
 Country: USA
 Organization: Atlantic Oceanographic and Meterological Lab
 15 Rickenbacker, Miami, FL

Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? yes
 Name: BLM-CICAR
 Co-ordinated Internationally? yes
 By Whom? Dr Robert Molinari
 Chief Scientist: Darrell Tidwell
 Whom to Query: A1: Robert Molinari

ADML
 A2: NODC
 B1: George Berberian
 ADML
 B2: Texas A&M University
 C1: Ruby Dee Parker
 Texas A&M University

Date from: 09 02 76
 Date to: 21 02 76
 General Ocean Areas: 26

Type(s) of Marine Zone(s):
 Federal Support: BLM, NOAA

Remarks: Niskin bottles used with STD

Discipline & Type of Measurements: HP HC D
 HP HC
 HP

Index 10 x 10 & 1 x 1:
 * 7208 15 16
 7208 26 36 46 47 56 44
 7208 42 33 24 55 54

Dynamics: D03: 3 A1 A2 0 drogue bouys
 D05: 125 C1 B2 0 drogue bouys
 D90: 2 A1 A2 0 satellite bouys

Hydrography: H09: 8 A1 A2 9
 H10: 8 A1 A2 3
 H13: 73 A1 A2 3
 H22: 182 B1 A2 9
 H24: 182 B1 A2 9
 H25: 182 B1 A2 9
 H26: 182 B1 A2 9
 H80: 188 A1 A2 9 salinity

 Reference Number: R390984
 Expedition/Project: BLM-CICAR
 Cruise Number or Name: W-26
 Ship or Platform: Westward (WZL)
 Platform Type: 01
 Country: USA
 Organization: Atlantic Oceanographic and Meterological Lab

15 Rickenbacker, Miami, FL
 Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? yes
 Name: BLM-CICAR
 Co-ordinated Internationally? yes
 By Whom? Dr Robert Molinari
 Chief Scientist: Dr Robert Molinari
 Whom to Query: A1: Dr Robert Molinari
 AQML
 A2: AQML
 B1: Henry Gerthe
 SEA, Boston
 B2: NODC
 C1: George Berberian
 AQML
 C2: SEA
 3 School Street
 Boston, MA 02108
 D1: Ruby Dee Parker
 Texas A&M University
 D2: NMFS
 Narragansett, RI
 E2: Department of Oceanography
 Texas A&M University
 Date from: 05 02 76
 Date to: 05 03 76
 General Ocean Areas: 26
 Type(s) of Marine Zone(s):
 Federal Support: BLM, NOAA
 Remarks: Niskin bottles used with STD
 Discipline & Type of Measurements: HP P D M HC
 HP D M HC
 HP M HC
 HP P M HC
 Index 10 x 10 & 1 x 1: 7208 76 74 64 66
 7208 75 65
 7208 54 77 57 44 43 41 31
 7208 55 46 57 67 56 55
 Dynamics: D05: 150 A1 E2 0
 D05: 150 D1 E2 0
 Hydrography: H10: 46 A1 B2 3
 H13: 50 A1 B2 3
 H21: 110 C1 B2 9
 H22: 110 C1 B2 9
 H24: 110 C1 B2 9
 H25: 110 C1 B2 9
 H26: 110 C1 B2 9
 H80: 144 A1 B2 9 salinity
 Meteorology: M06: X B1 C2 0 every six hours
 Pollution: P03: 10 A1 C2 9
 ++++++
 Reference Number: R390985
 Expedition/Project: Rig Monitoring

Cruise Number or Name: BLM-36
 Ship or Platform: R/V Tursiops
 Platform Type: 01
 Country: USA
 Organization: State University System of Florida, Institute of Oceanography
 Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? yes
 Name: MAFLA Baseline
 Co-ordinated Internationally? no
 Chief Scientist: T S Hopkins
 Whom to Query:

- A1: W Bock
University of Miami
- A2: BLM
Washington, DC
- B1: L Doyle
University of South Florida
- C1: W Huang
University of South Florida
- D1: R Presley
Texas A&M University
- E1: T & J Lytle
Gulf Coast Research Lab
- F1: T Hopkins
University of Alabama
- G1: P Meyers
University of Michigan
- H1: N Blake
University of South Florida

Date from: 26 03 76
 Date to: 02 04 76
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04 07
 Federal Support: BLM
 Remarks: B80: Trace metals in invertebrates
 B90: Histopathology

Discipline & Type of Measurements: G GS B BS
 Index 10 x 10 & 1 x 1: 7208

- Biology:
- B18: 25 F1 A2 1
 - B33: 25 E1 A2 1
 - B33: 25 G1 A2 1
 - B40: 25 D1 A2 1 trace metals-invertebrates
 - B51: 25 F1 A2 1
 - B52: 25 F1 A2 1
 - B53: 25 F1 A2 1
 - B57: 25 F1 A2 1
 - B58: 25 F1 A2 1
 - B62: 25 H1 A2 1 histopathology
- Geology/Geophysics:
- G04: 25 B1 A2 1
 - G05: 25 F1 A2 1
 - G31: 25 B1 A2 1
 - G32: 25 B1 A2 1

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 Reference Number: R390986

Expedition/Project: MAFLA Baseline
 Cruise Number or Name: BLM-35
 Ship or Platform: R/V Tursiops
 Platform Type: 01
 Country: USA
 Organization: State University System of Florida, Institute of Oceanography
 Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? yes
 Name: MAFLA Baseline
 Co-ordinated Internationally? no
 Chief Scientist: R Shipp
 Whom to Query: A1: State University System, Institute of Oceanography
 A2: BLM
 Washington, DC
 B1: T Hopkins
 University of Alabama
 C1: S Bortone
 University of West Florida
 D1: P Meyers
 University of Michigan
 E1: S Betzer
 University of South Florida
 F1: T & J Lytle
 Gulf Coast Research Lab
 Date from: 03 03 75
 Date to: 04 03 75
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04 07
 Federal Support: BLM
 Remarks: B80: Trace metals in epibenthic organisms, Capetown dredge
 and balloon trawl samples (Query A1)
 Discipline & Type of Measurements: B BS
 Index 10 x 10 & 1 x 1: 7208
 Biology: B17: 2 B1 A2 1
 B18: 2 B1 A2 1
 B19: 2 B1 A2 1
 B33: 2 D1 A2 1
 B33: 2 F1 A2 1
 B40: 2 E1 A2 1 trace metals-epibenthos
 B51: 2 B1 A2 1
 B52: 2 B1 A2 1
 B53: 2 B1 A2 1
 B54: 2 B1 A2 1
 +++++
 Reference Number: R390987
 Expedition/Project: MAFLA Baseline
 Cruise Number or Name: BLM-34 (B-7606)
 Ship or Platform: R/V Bellows (WY 6808)
 Platform Type: 01
 Country: USA
 Organization: State University System of Florida, Institute of Oceanography
 Declared National Program? yes
 Exchange Restricted? no

Co-operative program? yes
 Name: MAFLA Baseline
 Co-ordinated Internationally? no
 Chief Scientist: T S Hopkins
 Whom to Query: A1: State University System, Institute of Oceanography
 A2: BLM
 Washington, DC
 B1: T S Hopkins
 University of Alabama
 C1: S Betzer
 University of South Florida
 D1: P A Meyers
 University of Michigan
 E1: L J Doyle
 University of South Florida
 F1: N J Blake
 University of South Florida
 G1: T & J Lytle
 Gulf Coast Research Lab

Date from: 03 03 76
 Date to: 11 03 76
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04 07
 Federal Support: BLM
 Remarks: B80: Trace metals in invertebrates
 B90: Histopathology

Discipline & Type of Measurements: G B
 Index 10 x 10 & 1 x 1: 7208

B17: 3 B1 A2 1
 B18: 3 B1 A2 1
 B22: 3 B1 A2 1
 B33: 3 D1 A2 1
 B33: 3 G1 A2 1
 B40: 3 C1 A2 1 trace metals-invertebrates
 B51: 3 B1 A2 1
 B52: 3 B1 A2 1
 B53: 3 B1 A2 1
 B57: 3 B1 A2 1
 B58: 3 B1 A2 1
 B62: 3 F1 A2 1 histopathology
 G05: 3 B1 A2 1
 G08: 3 B1 A2 1
 G32: 3 B1 A2 1

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Reference Number: R390988
 Expedition/Project: MAFLA Baseline
 Cruise Number or Name: BLM-33 (B-7605)
 Ship or Platform: R/V Bellows (WY 6808)
 Platform Type: 01
 Country: USA
 Organization: State University System of Florida, Institute of Oceanography
 Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? yes

Name: MAFLA Baseline
Co-ordinated Internationally? no
Chief Scientist: T S Hopkins
Whom to Query: A1: State University System, Institute of Oceanography
A2: BLM
Washington, DC
B1: T Hopkins
University of Alabama
C1: S Bortone
University of West Florida
D1: P Meyers
University of Michigan
E1: S Betzer
University of South Florida
F1: T & J Lytle
Gulf Coast Research Lab
Date from: 24 02 76
Date to: 29 02 76
General Ocean Areas: 26
Type(s) of Marine Zone(s): 04 07
Federal Support: BLM
Remarks: B80: Trace metals in epibenthic organisms, Capetown dredge
and balloon trawl samples (Query A1)

Discipline & Type of Measurements: B BS
Index 10 x 10 & 1 x 1: 7208

Biology: B17: 12 B1 A2 1
B18: 12 B1 A2 1
B19: 12 B1 A2 1
B33: 12 D1 A2 1
B33: 12 F1 A2 1
B40: 12 E1 A2 1 trace metals-epibenthos
B51: 12 B1 A2 1
B52: 12 B1 A2 1
B53: 12 B1 A2 1
B54: 12 B1 A2 1

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Reference Number: R390989
Expedition/Project: MAFLA Baseline
Cruise Number or Name: BLM-32 (B-7604)
Ship or Platform: R/V Bellows (WY 6808)
Platform Type: 01
Country: USA
Organization: State University System of Florida, Institute of Oceanography
Declared National Program? yes
Exchange Restricted? no
Co-operative program? yes
Name: MAFLA Baseline
Co-ordinated Internationally? no
Chief Scientist: T S Hopkins
Whom to Query: A1: State University System, Institute of Oceanography
A2: BLM
Washington, DC
B1: T S Hopkins
University of Alabama

C1: S Betzer
 University of South Florida
 D1: P A Meyers
 University of Michigan
 E1: L J Doyle
 University of South Florida
 F1: N J Blake
 University of South Florida
 G1: T & J Lytle
 Gulf Coast Research Lab

Date from: 05 02 76
 Date to: 21 02 76
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04 07
 Federal Support: BLM
 Remarks: B80: Trace metals in invertebrates
 B90: Histopathology

Discipline & Type of Measurements: G B
 Index 10 x 10 & 1 x 1: 7208

B17: 5 B1 A2 1
 B18: 5 B1 A2 1
 B22: 5 B1 A2 1
 B33: 5 D1 A2 1
 B33: 5 G1 A2 1
 B40: 5 C1 A2 1 trace metals-invertebrates
 B51: 5 B1 A2 1
 B52: 5 B1 A2 1
 B53: 5 B1 A2 1
 B57: 5 B1 A2 1
 B58: 5 B1 A2 1
 B62: 5 F1 A2 1 histopathology
 G05: 5 B1 A2 1
 G08: 5 B1 A2 1
 G32: 5 B1 A2 1

Geology/Geophysics:

Reference Number: R390990
 Expedition/Project: Rig Monitoring
 Cruise Number or Name: BLM-31 (B-7603)
 Ship or Platform: R/V Bellows (WY 6808)
 Platform Type: 01
 Country: USA
 Organization: State University System of Florida, Institute of Oceanography
 Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? yes
 Name: MAFLA Baseline
 Co-ordinated Internationally? no
 Chief Scientist: R Braman
 Whom to Query: A1: R Braman
 University of South Florida
 A2: BLM
 Washington, DC

Date from: 22 01 76
 Date to: 24 01 76

General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04 07
 Federal Support: BLM
 Remarks: H90: C1 - C6 Hydrocarbons
 Discipline & Type of Measurements: HC
 Index 10 x 10 & 1 x 1: 7208
 Hydrography: H33: 36 A1 A2 1 hydrocarbons, LMW
 ++++++
 Reference Number: R390991
 Expedition/Project: MAFLA Baseline
 Cruise Number or Name: BLM-30
 Ship or Platform: R/V Gyre
 Platform Type: 01
 Country: USA
 Organization: State University System of Florida, Institute of Oceanography
 Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? yes
 Name: MAFLA Baseline
 Co-ordinated Internationally? no
 Chief Scientist: R Shipp
 Whom to Query: A1: State University System, Institute of Oceanography
 A2: BLM
 Washington, DC
 B1: T Hopkins
 University of Alabama
 C1: S Bortone
 University of West Florida
 D1: P Meyers
 University of Michigan
 E1: S Betzer
 University of South Florida
 F1: T & J Lytle
 Gulf Coast Research Lab
 Date from: 08 02 76
 Date to: 09 02 76
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04 07
 Federal Support: BLM
 Remarks: B80: Trace metals in epibenthic organisms, Capetown dredge
 and balloon trawl samples (Query A1)
 Discipline & Type of Measurements: B BS
 Index 10 x 10 & 1 x 1: 7208
 Biology: B17: 6 B1 A2 1
 B18: 6 B1 A2 1
 B19: 6 B1 A2 1
 B33: 6 D1 A2 1
 B33: 6 F1 A2 1
 B40: 6 E1 A2 1 trace metals-epibenthos
 B51: 6 B1 A2 1
 B52: 6 B1 A2 1
 B53: 6 B1 A2 1
 B54: 6 B1 A2 1
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Reference Number: R390992
 Expedition/Project: MAFLA Baseline
 Cruise Number or Name: BLM-29
 Ship or Platform: R/V Gyre
 Platform Type: 01
 Country: USA
 Organization: State University System of Florida, Institute of Oceanography
 Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? yes
 Name: MAFLA Baseline
 Co-ordinated Internationally? no
 Chief Scientist: W D Bock
 Whom to Query: A1: N Blake
 University of South Florida
 A2: BLM
 Washington, DC
 B1: F Maturo
 University of Florida
 C1: D Moore
 University of Miami
 D1: L Doyle
 University of South Florida
 E1: W Bock
 University of Miami
 F1: T & J Lytle
 Gulf Coast Research Lab
 G1: B Presley
 Texas A&M University
 H1: P LaRock
 University of Hawaii
 I1: State University System, Institute of Oceanography
 J1: T Mayou
 University of South Florida
 Date from: 15 01 76
 Date to: 08 02 76
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04 07
 Federal Support: BLM
 Remarks: 690: ATP in sediments (H1), foraminifera (D1),
 Hydrocarbons in sediments (F1)
 690: Photos, epoxy peels, X-ray
 Discipline & Type of Measurements: G B BS
 Index 10 x 10 & 1 x 1: 7208
 B17: 69 A1 A2 1
 B17: 69 B1 A2 1
 B17: 69 C1 A2 1
 B18: 69 A1 A2 1
 B18: 69 B1 A2 1
 B18: 69 C1 A2 1
 B33: 69 F1 A2 1 sediments
 B35: 69 H1 A2 1 sediments
 B38: 69 D1 A2 1 foraminifera
 B51: 69 A1 A2 1

	B51:	69 B1 A2 1	
	B51:	69 C1 A2 1	
	B52:	69 A1 A2 1	
	B52:	69 B1 A2 1	
	B52:	69 C1 A2 1	
	B53:	69 A1 A2 1	
	B53:	69 B1 A2 1	
	B53:	69 C1 A2 1	
	B54:	69 A1 A2 1	
	B54:	69 B1 A2 1	
	B54:	69 C1 A2 1	
Geology/Geophysics:	G04:	69 I1 A2 1	
	G31:	69 E1 A2 1	
	G32:	69 G1 A2 1	
	G90:	69 J1 A2 1	photos, epoxy peels, X-ray

Reference Number:		R390993	
Expedition/Project:		MAFLA Baseline	
Cruise Number or Name:		BLM-28	
Ship or Platform:		R/V Tursiops	
Platform Type:		01	
Country:		USA	
Organization:		State University System of Florida, Institute of Oceanography	
Declared National Program?		yes	
Exchange Restricted?		no	
Co-operative program?		yes	
Name:		MAFLA Baseline	
Co-ordinated Internationally?		no	
Chief Scientist:		Lee Edmiston	
Whom to Query:	A1:	M Rinkel	
		State University System, Institute of Oceanography	
	A2:	BLM	
		Washington, DC	
	B1:	F Manheim	
		University of South Florida	
	C1:	P Betzer	
		University of South Florida	
	D1:	J Calder	
		Florida State University	
	E1:	G Knauer	
		Florida State University	
	F1:	R Iverson	
		Florida State University	
	G1:	S Collard	
		University of West Florida	
	H1:	F Maturo	
		University of Florida	
	I1:	W Huang	
		University of South Florida	
Date from:		06 01 76	
Date to:		11 02 76	
General Ocean Areas:		26	
Type(s) of Marine Zone(s):		04 07	
Federal Support:		BLM	

Remarks: B80: Trace metals in neuston and zooplankton
M90: Suspended mineralogy (I1), hydrocarbons (D1)

Discipline & Type of Measurements: H B
Index 10 x 10 & 1 x 1: 7208

Biology: B01: 15 F1 A2 1
B02: 15 F1 A2 1
B04: 15 F1 A2 1
B06: 15 F1 A2 1
B08: 15 F1 A2 1
B09: 15 F1 A2 1
B10: 15 F1 A2 1
B33: 15 D1 A2 1
B40: 15 C1 A2 1 trace metals-neuston & zooplankton
B51: 15 G1 A2 1
B51: 15 H1 A2 1
B52: 15 D1 A2 1
B53: 15 D1 A2 1
B54: 15 H1 A2 1
Geology/Geophysics: G32: 15 I1 A2 1 suspended
Hydrography: H10: 24 A1 A2 1
H13: 11 A1 A2 1
H16: 22 B1 A2 1
H30: 15 C1 A2 1
H34: 15 D1 A2 1 hydrocarbons

Reference Number: R390994
Expedition/Project: Rig Monitoring
Cruise Number or Name: BLM-27 (B-7602)
Ship or Platform: R/V Bellows (WY 6808)
Platform Type: 01
Country: USA
Organization: State University System of Florida, Institute of Oceanography
Declared National Program? yes
Exchange Restricted? no
Co-operative program? yes
Name: MAFLA Baseline
Co-ordinated Internationally? no
Chief Scientist: T S Hopkins
Whom to Query: A1: W Bock
University of Miami
A2: BLM
Washington, DC
B1: L Doyle
University of South Florida
C1: W Huang
University of South Florida
D1: R Presley
Texas A&M University
E1: T & J Lytle
Gulf Coast Research Lab
F1: T Hopkins
University of Alabama
G1: P Meyers
University of Michigan

HI: N Blake
 University of South Florida
 Date from: 07 01 76
 Date to: 21 01 76
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04 07
 Federal Support: BLM
 Remarks: B80: Trace metals in invertebrates
 B90: Histopathology
 Discipline & Type of Measurements: G GS B BS
 Index 10 x 10 & 1 x 1: 7208
 Biology: B18: 24 F1 A2 1
 B33: 24 E1 A2 1
 B33: 24 G1 A2 1
 B40: 24 D1 A2 1 trace metals-invertebrates
 B51: 24 F1 A2 1
 B52: 24 F1 A2 1
 B53: 24 F1 A2 1
 B57: 24 F1 A2 1
 B58: 24 F1 A2 1
 B62: 24 H1 A2 1 histopathology
 Geology/Geophysics: G04: 24 B1 A2 1
 G05: 24 F1 A2 1
 G31: 24 B1 A2 1
 G32: 24 B1 A2 1

Reference Number: R390995
 Expedition/Project: Rig Monitoring
 Cruise Number or Name: BLM-25 (B-7518)
 Ship or Platform: R/V Bellows (WY 680B)
 Platform Type: 01
 Country: USA
 Organization: State University System of Florida, Institute of Oceanography
 Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? yes
 Name: MAFLA Baseline
 Co-ordinated Internationally? no
 Chief Scientist: R Braman
 Whom to Query: A1: R Braman
 University of South Florida
 A2: BLM
 Washington, DC

Date from: 05 12 75
 Date to: 06 12 75
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04 07
 Federal Support: BLM
 Remarks: H90: C1 - C6 Hydrocarbons
 Discipline & Type of Measurements: HC
 Index 10 x 10 & 1 x 1: 7208
 Hydrography: H33: 36 A1 A2 1 hydrocarbons, LMW

Reference Number: R390996

Expedition/Project: Rig Monitoring
 Cruise Number or Name: BLM-24 (B-7517)
 Ship or Platform: R/V Bellows (WY 680B)
 Platform Type: 01
 Country: USA
 Organization: State University System of Florida, Institute of Oceanography
 Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? yes
 Name: MAFLA Baseline
 Co-ordinated Internationally? no
 Chief Scientist: Thomas S Hopkins
 Whom to Query:

- A1: W Bock
University of Miami
- A2: BLM
Washington, DC
- B1: L Doyle
University of South Florida
- C1: W Huang
University of South Florida
- D1: R Presley
Texas A&M University
- E1: T & J Lytle
Gulf Coast Research Lab
- F1: T Hopkins
University of Alabama
- G1: P Meyers
University of Michigan
- H1: N Blake
University of South Florida

Date from: 20 11 75
 Date to: 04 12 75
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04 07
 Federal Support: BLM
 Remarks: B80: Trace metals in invertebrates
 B90: Histopathology

Discipline & Type of Measurements: G GS B BS
 Index 10 x 10 & 1 x 1: 7208

Biology:

B18:	25 F1 A2 1	
B33:	25 E1 A2 1	
B33:	25 G1 A2 1	
B40:	25 D1 A2 1	trace metals-invertebrates
B51:	25 F1 A2 1	
B52:	25 F1 A2 1	
B53:	25 F1 A2 1	
B57:	25 F1 A2 1	
B58:	25 F1 A2 1	
B62:	25 H1 A2 1	histopathology

Geology/Geophysics:

G04:	25 B1 A2 1
G05:	25 F1 A2 1
G31:	25 B1 A2 1
G32:	25 B1 A2 1

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Reference Number: R391254
Expedition/Project: BLM-STOCS
Cruise Number or Name: BLM-Winter benthos I
Ship or Platform: R/V Longhorn (WZL-3621)
Platform Type: 01
Country: USA
Organization: University of Texas Marine Science
Port Aransas Marine Lab
Port Aransas, TX 78373

Declared National Program? yes
Exchange Restricted? no
Co-operative program? yes
Name: BLM-STOCS
Co-ordinated Internationally? no
Chief Scientist: Gerald P Pfeiffer
Whom to Query: A1: Gerald P Pfeiffer
University of Texas Marine Sciences Laboratory
A2: NODC
B1: Dr J S Holland
University of Texas Marine Sciences Laboratory
C1: Henry Berryhill
USGS
D1: Dr P L Parker
University of Texas Marine Sciences Laboratory
E1: Dr R Rezak
Texas A&M University
F1: Dr E W Behrens
University of Texas Marine Sciences Laboratory
G1: Dr L H Pequegnat
Texas A&M University
H1: Dr C S Giam
Texas A&M University
I1: Dr B J Presley
Texas A&M University
J1: Dr W E Pequegnat
Texas A&M University
K1: Dr R E Casey
Rice University
L1: Dr D E Wohlschlag
University of Texas Marine Sciences Laboratory

Date from: 08 02 76
Date to: 10 02 76
General Ocean Areas: 26
Type(s) of Marine Zone(s): 04
Federal Support: BLM
Remarks: (1) Bureau of Land Management-South Texas Outer Continental Shelf Monitoring Study
(2) E1 Dr Rezak analyzes samples from topographic highs and F1 Dr Behrens analyzes all other samples.
(3) Hydrocarbon & tracemetals - 40 individuals per cruise
H1 Dr Giam analyzes hydrocarbons and I1 Dr Presley analyzes tracemetals.
(4) B1 Dr Holland analyzes macroinfauna, J1 Dr W E Pequegnat analyzes meiofauna and

KI Dr Casey analyzes shelled benthos.
 (5) Fish and invertebrates, B1 Dr Holland analyzing
 invertebrates and L1 Dr Wohlschlag analyzing fish.

Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS
 Index 10 x 10 & 1 x 1: 7209 76

Biology: B10: 2 G1 A2 4
 B11: X H1 A2 4 hydrocarbons (3)
 B11: X I1 A2 4 trace metals (3)
 B18: 5 B1 A2 4 macroinfauna (4)
 B18: 5 J1 A2 4 meiofauna (4)
 B18: 5 K1 A2 4 shelled microbenthos (4)
 B33: 5 D1 A2 4 hydrocarbons-sediments
 B33: 2 H1 A2 4 epifauna (3)
 B33: 2 I1 A2 4 epifauna (3)
 B40: 5 C1 A2 4 trace metals-sediments
 B40: 2 I1 A2 4 trace metals-epifauna
 B59: 5 B1 A2 4 epifauna-invertebrates (5)
 B59: 5 L1 A2 4 epifauna-fish (5)
 Geology/Geophysics: G31: 5 E1 A2 4 texture-topographic highs(2)
 G31: 5 F1 A2 4 texture (2)
 Hydrography: H03: 5 B1 A2 4
 H04: 5 B1 A2 4
 H07: 5 B1 A2 4
 H08: 5 B1 A2 4
 Meteorology: M06: 10 A1 A2 4

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Reference Number: R391255
 Expedition/Project: BLM-STOCSMS (1)
 Cruise Number or Name: BLM-Winter benthos II
 Ship or Platform: R/V Longhorn (WZL-3621)
 Platform Type: 01
 Country: USA
 Organization: University of Texas Marine Science
 Port Aransas Marine Lab
 Port Aransas, TX 78373

Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? yes
 Name: BLM-STOCS
 Co-ordinated Internationally? no
 Chief Scientist: Rick Tinnin
 Whom to Query: A1: Gerald P Pfeiffer

University of Texas Marine Sciences Laboratory
 A2: NODC
 B1: Dr J S Holland
 University of Texas Marine Sciences Laboratory
 C1: Henry Berryhill
 USGS
 D1: Dr P L Parker
 University of Texas Marine Sciences Laboratory
 E1: Dr R Rezak
 Texas A&M University
 F1: Dr E W Behrens
 University of Texas Marine Sciences Laboratory

G1: Dr L H Pequegnat
 Texas A&M University
 H1: Dr C S Giam
 Texas A&M University
 I1: Dr B J Presley
 Texas A&M University
 J1: Dr W E Pequegnat
 Texas A&M University
 K1: Dr R E Casey
 Rice University
 L1: Dr D E Wohlschlag
 University of Texas Marine Sciences Laboratory

Date from: 12 02 76
 Date to: 17 02 76
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04
 Federal Support: BLM
 Remarks:

- (1) Bureau of Land Management-South Texas Outer Continental Shelf Monitoring Study
- (2) E1 Dr Rezak analyzes samples from topographic highs and F1 Dr Behrens analyzes all other samples.
- (3) Hydrocarbon & tracemetals - 40 individuals per cruise
 H1 Dr Giam analyzes hydrocarbons and
 I1 Dr Presley analyzes tracemetals.
- (4) B1 Dr Holland analyzes macroinfauna,
 J1 Dr W E Pequegnat analyzes meiofauna and
 K1 Dr Casey analyzes shelled benthos.
- (5) Fish and invertebrates, B1 Dr Holland analyzing invertebrates and L1 Dr Wohlschlag analyzing fish.

Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS

Index 10 x 10 & 1 x 1: 7209 86 76

Biology:	B10:	4 G1 A2 4	
	B11:	2 H1 A2 4	hydrocarbons (3)
	B11:	2 I1 A2 4	trace metals (3)
	B18:	11 B1 A2 4	macroinfauna (4)
	B18:	11 J1 A2 4	meiofauna (4)
	B18:	11 K1 A2 4	shelled microbenthos (4)
	B33:	11 D1 A2 4	hydrocarbons-sediments
	B33:	4 H1 A2 4	epifauna (3)
	B33:	4 I1 A2 4	epifauna (3)
	B40:	11 C1 A2 4	trace metals-sediments
	B40:	4 I1 A2 4	trace metals-epifauna
	B59:	11 B1 A2 4	epifauna-invertebrates (5)
	B59:	11 L1 A2 4	epifauna-fish (5)
Geology/Geophysics:	G31:	11 E1 A2 4	texture-topographic highs(2)
	G31:	11 F1 A2 4	texture (2)
Hydrography:	H03:	8 B1 A2 4	
	H04:	8 B1 A2 4	
	H07:	8 B1 A2 4	
	H08:	8 B1 A2 4	
Meteorology:	M06:	22 A1 A2 4	

Reference Number: R391256
 Expedition/Project: BLM-STOCSMS (1)

Cruise Number or Name: BLM-Winter benthos III
Ship or Platform: R/V Longhorn (WZL-3621)
Platform Type: 01
Country: USA
Organization: University of Texas Marine Science
Port Aransas Marine Lab
Port Aransas, TX 78373

Declared National Program? yes
Exchange Restricted? no
Co-operative program? yes
Name: BLM-STOCS
Co-ordinated Internationally? no
Chief Scientist: Dr J S Holland
Whom to Query: A1: Gerald P Pfeiffer
University of Texas Marine Sciences Laboratory
A2: NODC
B1: Dr J S Holland
University of Texas Marine Sciences Laboratory
C1: Henry Berryhill
USGS
D1: Dr P L Parker
University of Texas Marine Sciences Laboratory
E1: Dr R Rezak
Texas A&M University
F1: Dr E W Behrens
University of Texas Marine Sciences Laboratory
G1: Dr L H Pequegnat
Texas A&M University
H1: Dr C S Giam
Texas A&M University
I1: Dr B J Presley
Texas A&M University
J1: Dr W E Pequegnat
Texas A&M University
K1: Dr R E Casey
Rice University
L1: Dr D E Wohlschlag
University of Texas Marine Sciences Laboratory

Date from: 19 02 76
Date to: 23 02 76
General Ocean Areas: 26
Type(s) of Marine Zone(s): 04
Federal Support: BLM
Remarks: (1) Bureau of Land Management-South Texas Outer Continental Shelf Monitoring Study
(2) E1 Dr Rezak analyzes samples from topographic highs and F1 Dr Behrens analyzes all other samples.
(3) Hydrocarbon & tracemetals - 40 individuals per cruise
H1 Dr Giam analyzes hydrocarbons and
I1 Dr Presley analyzes tracemetals.
(4) B1 Dr Holland analyzes macroinfauna,
J1 Dr W E Pequegnat analyzes meiofauna and
K1 Dr Casey analyzes shelled benthos.
(5) Fish and invertebrates, B1 Dr Holland analyzing

invertebrates and 11 Dr Wohlschlag analyzing fish.

Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS

Index 10 x 10 & 1 x 1: 7209 B6 76

Biology: B10: X G1 A2 4
 B11: X H1 A2 4 hydrocarbons (3)
 B11: X I1 A2 4 trace metals (3)
 B18: 13 B1 A2 4 macroinfauna (4)
 B18: 13 J1 A2 4 meiofauna (4)
 B18: 13 K1 A2 4 shelled microbenthos (4)
 B33: 13 D1 A2 4 hydrocarbons-sediments
 B33: 2 H1 A2 4 epifauna (3)
 B33: 2 I1 A2 4 epifauna (3)
 B40: 1² C1 A2 4 trace metals-sediments
 B40: 2 I1 A2 4 trace metals-epifauna
 B59: 13 B1 A2 4 epifauna-invertebrates (5)
 B59: 13 L1 A2 4 epifauna-fish (5)
 Geology/Geophysics: G31: 13 E1 A2 4 texture-topographic highs(2)
 G31: 13 F1 A2 4 texture (2)
 Hydrography: H03: 13 B1 A2 4
 H04: 13 B1 A2 4
 H07: 13 B1 A2 4
 H08: 13 B1 A2 4
 Meteorology: M06: 26 A1 A2 4

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Reference Number: R391257
 Expedition/Project: BLM-STOCSMS (1)
 Cruise Number or Name: BLM-Winter benthos IV
 Ship or Platform: R/V Longhorn (W2L-3621)
 Platform Type: 01
 Country: USA
 Organization: University of Texas Marine Science
 Port Aransas Marine Lab
 Port Aransas, TX 78373

Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? yes
 Name: BLM-STOCS
 Co-ordinated Internationally? no
 Chief Scientist: Gerald P Pfeiffer
 Whom to Query:

A1: Gerald P Pfeiffer
 University of Texas Marine Sciences Laboratory
 A2: NODC
 B1: Dr J S Holland
 University of Texas Marine Sciences Laboratory
 C1: Henry Berryhill
 USGS
 D1: Dr P L Parker
 University of Texas Marine Sciences Laboratory
 E1: Dr R Rezak
 Texas A&M University
 F1: Dr E W Behrens
 University of Texas Marine Sciences Laboratory
 G1: Dr L H Pequegnat
 Texas A&M University

H1: Dr C S Giam
 Texas A&M University
 I1: Dr B J Presley
 Texas A&M University
 J1: Dr W E Pequegnat
 Texas A&M University
 K1: Dr R E Casey
 Rice University
 L1: Dr D E Wohlschlag
 University of Texas Marine Sciences Laboratory

Date from: 26 02 76
 Date to: 29 02 76
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04
 Federal Support: BLM
 Remarks:

- (1) Bureau of Land Management-South Texas Outer Continental Shelf Monitoring Study
- (2) E1 Dr Rezak analyzes samples from topographic highs and F1 Dr Behrens analyzes all other samples.
- (3) Hydrocarbon & tracemetals - 40 individuals per cruise
 H1 Dr Giam analyzes hydrocarbons and
 I1 Dr Presley analyzes tracemetals.
- (4) B1 Dr Holland analyzes macroinfauna,
 J1 Dr W E Pequegnat analyzes meiofauna and
 K1 Dr Casey analyzes shelled benthos.
- (5) Fish and invertebrates, B1 Dr Holland analyzing invertebrates and L1 Dr Wohlschlag analyzing fish.

Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS
 Index 10 x 10 & 1 x 1: 7209 67 66

Biology:	B10:	5 G1 A2 4	
	B11:	X H1 A2 4	hydrocarbons (3)
	B11:	X I1 A2 4	trace metals (3)
	B18:	X B1 A2 4	macroinfauna (4)
	B18:	X J1 A2 4	meiofauna (4)
	B18:	X K1 A2 4	shelled microbenthos (4)
	B33:	X D1 A2 4	hydrocarbons-sediments
	B33:	5 H1 A2 4	epifauna (3)
	B33:	5 I1 A2 4	epifauna (3)
	B40:	X C1 A2 4	trace metals-sediments
	B40:	5 I1 A2 4	trace metals-epifauna
	B59:	10 B1 A2 4	epifauna-invertebrates (5)
	B59:	10 L1 A2 4	epifauna-fish (5)
Geology/Geophysics:	G31:	X E1 A2 4	texture-topographic highs(2)
	G31:	X F1 A2 4	texture (2)
Hydrography:	H03:	X B1 A2 4	
	H04:	X B1 A2 4	
	H07:	X B1 A2 4	
	H08:	X B1 A2 4	
Meteorology:	M06:	10 A1 A2 4	

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Reference Number: R391258
 Expedition/Project: BLM-STOCSMS (1)
 Cruise Number or Name: BLM-Winter benthos V
 Ship or Platform: R/V Longhorn (WZL-3621)

Platform Type: 01
Country: USA
Organization: University of Texas Marine Science
 Port Aransas Marine Lab
 Port Aransas, TX 78373

Declared National Program? yes
Exchange Restricted? no
Co-operative program? yes
Name: BLM-STOCS
Co-ordinated Internationally? no
Chief Scientist: Scott Holt
Whom to Query: A1: Craig W Griffin
 University of Texas Marine Sciences Laboratory
 A2: NODC
 B1: Dr J S Holland
 University of Texas Marine Sciences Laboratory
 C1: Henry Berryhill
 USGS
 D1: Dr P L Parker
 University of Texas Marine Sciences Laboratory
 E1: Dr R Rezak
 Texas A&M University
 F1: Dr E W Behrens
 University of Texas Marine Sciences Laboratory
 G1: Dr L H Pequegnat
 Texas A&M University
 H1: Dr C S Giam
 Texas A&M University
 I1: Dr B J Presley
 Texas A&M University
 J1: Dr W E Pequegnat
 Texas A&M University
 K1: Dr R E Casey
 Rice University
 L1: Dr D E Wohlschlag
 University of Texas Marine Sciences Laboratory

Date from: 09 03 76
Date to: 12 03 76
General Ocean Areas: 26
Type(s) of Marine Zone(s): 04
Federal Support: BLM
Remarks: (1) Bureau of Land Management-South Texas Outer Continental Shelf Monitoring Study
 (2) E1 Dr Rezak analyzes samples from topographic highs and F1 Dr Behrens analyzes all other samples.
 (3) Hydrocarbon & tracemetals - 40 individuals per cruise
 H1 Dr Giam analyzes hydrocarbons and I1 Dr Presley analyzes tracemetals.
 (4) B1 Dr Holland analyzes macroinfauna, J1 Dr W E Pequegnat analyzes meiofauna and K1 Dr Casey analyzes shelled benthos.
 (5) Fish and invertebrates, B1 Dr Holland analyzing invertebrates and L1 Dr Wohlschlag analyzing fish.

Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS

Index 10 x 10 & 1 x 1:

7209 86 76 66

Biology: B10: 3 G1 A2 4
 B11: X H1 A2 4 hydrocarbons (3)
 B11: X I1 A2 4 trace metals (3)
 B18: X B1 A2 4 macroinfauna (4)
 B18: X J1 A2 4 meiofauna (4)
 B18: X K1 A2 4 shelled microbenthos (4)
 B33: X D1 A2 4 hydrocarbons-sediments
 B33: 3 H1 A2 4 epifauna (3)
 B33: 3 I1 A2 4 epifauna (3)
 B40: X C1 A2 4 trace metals-sediments
 B40: 3 I1 A2 4 trace metals-epifauna
 B59: 6 B1 A2 4 epifauna-invertebrates (5)
 B59: 6 L1 A2 4 epifauna-fish (5)
 Geology/Geophysics: G31: X E1 A2 4 texture-topographic highs(2)
 G31: X F1 A2 4 texture (2)
 Hydrography: H03: X B1 A2 4
 H04: X B1 A2 4
 H07: X B1 A2 4
 H08: X B1 A2 4
 Meteorology: M06: 6 A1 A2 4

Reference Number: R391259
 Expedition/Project: BLM-STDCSMS (1)
 Cruise Number or Name: BLM-March benthos - 76
 Ship or Platform: R/V Longhorn (W2L-3621)
 Platform Type: 01
 Country: USA
 Organization: University of Texas Marine Science
 Port Aransas Marine Lab
 Port Aransas, TX 78373

Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? yes
 Name: BLM-STDCS
 Co-ordinated Internationally? no
 Chief Scientist: Graig W Griffin
 Whom to Query:

A1: Craig W Griffin
 University of Texas Marine Sciences Laboratory
 A2: NODC
 B1: Dr J S Holland
 University of Texas Marine Sciences Laboratory
 C1: Henry Berryhill
 USGS
 D1: Dr P L Parker
 University of Texas Marine Sciences Laboratory
 E1: Dr R Rezak
 Texas A&M University
 F1: Dr E W Behrens
 University of Texas Marine Sciences Laboratory
 G1: Dr L H Pequegnat
 Texas A&M University
 H1: Dr C S Giam
 Texas A&M University

I1: Dr B J Presley
 Texas A&M University
 J1: Dr W E Pequegnat
 Texas A&M University
 K1: Dr R E Casey
 Rice University
 L1: Dr D E Wohlschlag
 University of Texas Marine Sciences Laboratory

Date from: 25 03 76
 Date to: 28 03 76
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04
 Federal Support: BLM
 Remarks:

- (1) Bureau of Land Management-South Texas Outer Continental Shelf Monitoring Study
- (2) E1 Dr Rezak analyzes samples from topographic highs and F1 Dr Behrens analyzes all other samples.
- (3) Hydrocarbon & tracemetals - 40 individuals per cruise
 H1 Dr Giam analyzes hydrocarbons and
 I1 Dr Presley analyzes tracemetals.
- (4) B1 Dr Holland analyzes macroinfauna,
 J1 Dr W E Pequegnat analyzes meiofauna and
 K1 Dr Casey analyzes shelled benthos.
- (5) Fish and invertebrates, B1 Dr Holland analyzing invertebrates and L1 Dr Wohlschlag analyzing fish.

Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS
 Index 10 x 10 & 1 x 1: 7209 76

Biology:	B10:	6 G1 A2 4	
	B11:	2 H1 A2 4	hydrocarbons (3)
	B11:	2 I1 A2 4	trace metals (3)
	B18:	10 B1 A2 4	macroinfauna (4)
	B18:	10 J1 A2 4	meiofauna (4)
	B18:	10 K1 A2 4	shelled microbenthos (4)
	B33:	X D1 A2 4	hydrocarbons-sediments
	B33:	X H1 A2 4	epifauna (3)
	B33:	X I1 A2 4	epifauna (3)
	B40:	X C1 A2 4	trace metals-sediments
	B40:	X I1 A2 4	trace metals-epifauna
	B59:	12 B1 A2 4	epifauna-invertebrates (5)
	B59:	12 L1 A2 4	epifauna-fish (5)
Geology/Geophysics:	G31:	10 E1 A2 4	texture-topographic highs(2)
	G31:	10 F1 A2 4	texture (2)
Hydrography:	H03:	12 B1 A2 4	
	H04:	12 B1 A2 4	
	H07:	12 B1 A2 4	
	H08:	12 B1 A2 4	
Meteorology:	M06:	14 A1 A2 4	

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 Reference Number: R391260
 Expedition/Project: BLM-STOCSMS (1)
 Cruise Number or Name: BLM-April benthos - 76
 Ship or Platform: R/V Longhorn (WZL-3621)
 Platform Type: 01
 Country: USA

Organization: University of Texas Marine Science
 Port Aransas Marine Lab
 Port Aransas, TX 78373

Declared National Program? yes
Exchange Restricted? no
Co-operative program? yes
Name: BLM-STOCS
Co-ordinated Internationally? no
Chief Scientist: Graig W Griffin
Whom to Query: A1: Craig W Griffin
 University of Texas Marine Sciences Laboratory
 A2: NODC
 B1: Dr J S Holland
 University of Texas Marine Sciences Laboratory
 C1: Henry Berryhill
 USGS
 D1: Dr P L Parker
 University of Texas Marine Sciences Laboratory
 E1: Dr R Rezak
 Texas A&M University
 F1: Dr E W Behrens
 University of Texas Marine Sciences Laboratory
 G1: Dr L H Pequegnat
 Texas A&M University
 H1: Dr C S Giam
 Texas A&M University
 I1: Dr B J Presley
 Texas A&M University
 J1: Dr W E Pequegnat
 Texas A&M University
 K1: Dr R E Casey
 Rice University
 L1: Dr D E Wohlschlag
 University of Texas Marine Sciences Laboratory

Date from: 08 04 76
Date to: 11 04 76
General Ocean Areas: 26
Type(s) of Marine Zone(s): 04
Federal Support: BLM
Remarks: (1) Bureau of Land Management-South Texas Outer Continental Shelf Monitoring Study
 (2) E1 Dr Rezak analyzes samples from topographic highs and F1 Dr Behrens analyzes all other samples.
 (3) Hydrocarbon & tracemetals - 40 individuals per cruise
 H1 Dr Giam analyzes hydrocarbons and I1 Dr Presley analyzes tracemetals.
 (4) B1 Dr Holland analyzes macroinfauna, J1 Dr W E Pequegnat analyzes meiofauna and K1 Dr Casey analyzes shelled benthos.
 (5) Fish and invertebrates, B1 Dr Holland analyzing invertebrates and L1 Dr Wohlschlag analyzing fish.

Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS
Index 10 x 10 & 1 x 1: 7209 76
Biology: B10: 6 G1 A2 4

	B11:	2 H1 A2 4	hydrocarbons (3)
	B11:	2 I1 A2 4	trace metals (3)
	B18:	10 B1 A2 4	macroinfauna (4)
	B18:	10 J1 A2 4	meiofauna (4)
	B18:	10 K1 A2 4	shelled microbenthos (4)
	B33:	X D1 A2 4	hydrocarbons-sediments
	B33:	X H1 A2 4	epifauna (3)
	B33:	X I1 A2 4	epifauna (3)
	B40:	X C1 A2 4	trace metals-sediments
	B40:	X I1 A2 4	trace metals-epifauna
	B59:	12 B1 A2 4	epifauna-invertebrates (5)
	B59:	12 L1 A2 4	epifauna-fish (5)
Geology/Geophysics:	G31:	10 E1 A2 4	texture-topographic highs(2)
	G31:	10 F1 A2 4	texture (2)
Hydrography:	H03:	10 B1 A2 4	
	H04:	10 B1 A2 4	
	H07:	10 B1 A2 4	
	H08:	10 B1 A2 4	
Meteorology:	M06:	14 A1 A2 4	

Reference Number:	R391261
Expedition/Project:	BLM-STOCSMS (1)
Cruise Number or Name:	BLM-Winter water column I - 76
Ship or Platform:	R/V Longhorn (WZL-3621)
Platform Type:	01
Country:	USA
Organization:	University of Texas Marine Science Port Aransas Marine Lab Port Aransas, TX 78373
Declared National Program?	yes
Exchange Restricted?	no
Co-operative program?	yes
Name:	BLM-STOCS
Co-ordinated Internationally?	no
Chief Scientist:	Gerald P Pfeiffer
Whom to Query:	A1: Gerald P Pfeiffer University of Texas Marine Sciences Laboratory
	A2: NODC
	B1: Dr Ned Smith University of Texas Marine Sciences Laboratory
	C1: Dr Richard Rezak Texas A&M University
	D1: Dr William Sackett Texas A&M University
	E1: Dr Patrick Parker University of Texas Marine Sciences Laboratory
	F1: Dr Chase Van Balen University of Texas Marine Sciences Laboratory
	G1: Dr Dan Kamykowski University of Texas Marine Sciences Laboratory
	H1: Dr E T Park Texas A&M University
	I1: Dr Warren Pulich University of Texas Marine Sciences Laboratory

J1: Dr R E Casey
 Rice University
 K1: Dr B J Presley
 Texas A&M University
 L1: Dr C S Giam
 Texas A&M University

Date from: 13 01 76
 Date to: 16 01 76
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04
 Federal Support: BLM
 Remarks:

- (1) Bureau of Land Management-South Texas Outer Continental Shelf Monitoring Study
- (2) All samples from same niskin bottle.
- (3) Dissolved and particulate.
- (4) Hydrocarbon and tracemetals - 40 individuals per cruise
 L1 Dr Giam analyzes hydrocarbons and
 K1 Dr Presley analyzes tracemetals.

Discipline & Type of Measurements: BL GU GS D M HS HB HP HC P B BS
 Index 10 x 10 & 1 x 1: 7209 66

Biology:	B02:	1 F1 A2 4	chlorophyll a (2)
	B08:	1 G1 A2 4	taxonomy (2)
	B09:	1 H1 A2 4	taxonomy
	B11:	X K1 A2 4	trace metals (4)
	B11:	X L1 A2 4	hydrocarbons (4)
	B33:	X E1 A2 4	zooplankton
	B35:	1 I1 A2 4	(2)
	B40:	X K1 A2 4	trace metals-zooplankton
	B59:	1 J1 A2 4	shelled microzooplankton
Hydrography:	H03:	2 B1 A2 4	(2)
	H04:	2 B1 A2 4	(2)
	H07:	2 B1 A2 4	(2)
	H08:	2 B1 A2 4	(2)
	H10:	2 B1 A2 4	
	H17:	X C1 A2 4	transmissometry profiles
	H21:	1 D1 A2 4	(2)
	H22:	1 D1 A2 4	(2)
	H24:	1 D1 A2 4	(2)
	H26:	1 D1 A2 4	(2)
	H29:	1 D1 A2 4	(2)
	H33:	1 D1 A2 4	hydrocarbons, LMW-water
	H34:	1 E1 A2 4	hydrocarbons, HMW-dissolved & particula
Meteorology:	M06:	2 A1 A2 4	
Pollution:	P01:	X C1 A2 4	suspended clay mineralogy

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Reference Number: R391262
 Expedition/Project: BLM-STOCSMS (1)
 Cruise Number or Name: BLM-Winter water column II - 76
 Ship or Platform: R/V Longhorn (WZL-3621)
 Platform Type: 01
 Country: USA
 Organization: University of Texas Marine Science
 Port Aransas Marine Lab
 Port Aransas, TX 78373

Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? yes
 Name: BLM-STOCS
 Co-ordinated Internationally? no
 Chief Scientist: Dr Ned P Smith
 Whom to Query: A1: Gerald P Pfeiffer
 University of Texas Marine Sciences Laboratory
 A2: NODC
 B1: Dr Ned Smith
 University of Texas Marine Sciences Laboratory
 C1: Dr Richard Rezak
 Texas A&M University
 D1: Dr William Sackett
 Texas A&M University
 E1: Dr Patrick Parker
 University of Texas Marine Sciences Laboratory
 F1: Dr Chase Van Baalen
 University of Texas Marine Sciences Laboratory
 G1: Dr Dan Kamykowski
 University of Texas Marine Sciences Laboratory
 H1: Dr E T Park
 Texas A&M University
 I1: Dr Warren Pulich
 University of Texas Marine Sciences Laboratory
 J1: Dr R E Casey
 Rice University
 K1: Dr B J Presley
 Texas A&M University
 L1: Dr C S Giam
 Texas A&M University

 Date from: 30 01 76
 Date to: 04 02 76
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04
 Federal Support: BLM
 Remarks: (1) Bureau of Land Management-South Texas Outer Continental
 Shelf Monitoring Study
 (2) All samples from same niskin bottle.
 (3) Dissolved and particulate.
 (4) Hydrocarbon and tracemetals - 40 individuals per cruise
 L1 Dr Giam analyzes hydrocarbons and
 K1 Dr Presley analyzes tracemetals.

 Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS
 Index 10 x 10 & 1 x 1: 7209 B6 76 67 66
 Biology: B02: 11 F1 A2 4 chlorophyll a (2)
 B08: 11 G1 A2 4 taxonomy (2)
 B09: 11 H1 A2 4 taxonomy
 B11: X K1 A2 4 trace metals (4)
 B11: X L1 A2 4 hydrocarbons (4)
 B33: 12 E1 A2 4 zooplankton
 B35: 11 I1 A2 4 (2)
 B40: 12 K1 A2 4 trace metals-zooplankton
 B59: 12 J1 A2 4 shelled microzooplankton

Hydrography: H03: 24 B1 A2 4 (2)
 H04: 24 B1 A2 4 (2)
 H07: 24 B1 A2 4 (2)
 H08: 24 B1 A2 4 (2)
 H10: 24 B1 A2 4
 H17: X C1 A2 4 transmissometry profiles
 H21: 11 D1 A2 4 (2)
 H22: 11 D1 A2 4 (2)
 H24: 11 D1 A2 4 (2)
 H26: 11 D1 A2 4 (2)
 H29: 11 D1 A2 4 (2)
 H33: 11 D1 A2 4 hydrocarbons, LMW-water
 H34: 11 E1 A2 4 hydrocarbons, HMW-dissolved & particula
 Meteorology: M06: 24 A1 A2 4
 Pollution: P01: X C1 A2 4 suspended clay mineralogy

Reference Number: R391263
 Expedition/Project: BLM-STOCSMS (1)
 Cruise Number or Name: BLM-March water column - 76
 Ship or Platform: R/V Longhorn (WZL-3621)
 Platform Type: 01
 Country: USA
 Organization: University of Texas Marine Science
 Port Aransas Marine Lab
 Port Aransas, TX 78373

Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? yes
 Name: BLM-STOCS
 Co-ordinated Internationally? no
 Chief Scientist: Craig Griffin
 Whom to Query: A1: Craig Griffin
 University of Texas Marine Sciences Laboratory
 A2: NODC
 B1: Dr Ned Smith
 University of Texas Marine Sciences Laboratory
 C1: Dr Richard Rezak
 Texas A&M University
 D1: Dr William Sackett
 Texas A&M University
 E1: Dr Patrick Parker
 University of Texas Marine Sciences Laboratory
 F1: Dr Chase Van Baalen
 University of Texas Marine Sciences Laboratory
 G1: Dr Dan Kamykowski
 University of Texas Marine Sciences Laboratory
 H1: Dr E T Park
 Texas A&M University
 I1: Dr Warren Pulich
 University of Texas Marine Sciences Laboratory
 J1: Dr R E Casey
 Rice University
 K1: Dr B J Presley
 Texas A&M University

L1: Dr C S Giam
Texas A&M University

Date from: 18 03 76
Date to: 20 03 76
General Ocean Areas: 26
Type(s) of Marine Zone(s): 04
Federal Support: BLM

Remarks: (1) Bureau of Land Management-South Texas Outer Continental Shelf Monitoring Study
(2) All samples from same niskin bottle.
(3) Dissolved and particulate.
(4) Hydrocarbon and tracemetals - 40 individuals per cruise
L1 Dr Giam analyzes hydrocarbons and
K1 Dr Presley analyzes tracemetals.

Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS
Index 10 x 10 & 1 x 1: 7209 76

Biology:	B02:	3 F1 A2 4	chlorophyll a (2)
	B08:	3 G1 A2 4	taxonomy (2)
	B09:	3 H1 A2 4	taxonomy
	B11:	2 K1 A2 4	trace metals (4)
	B11:	2 L1 A2 4	hydrocarbons (4)
	B33:	3 E1 A2 4	zooplankton
	B35:	3 I1 A2 4	(2)
	B40:	X K1 A2 4	trace metals-zooplankton
	B59:	5 J1 A2 4	shelled microzooplankton
Hydrography:	H03:	10 B1 A2 4	(2)
	H04:	10 B1 A2 4	(2)
	H07:	4 B1 A2 4	(2)
	H08:	4 B1 A2 4	(2)
	H10:	10 B1 A2 4	
	H17:	5 C1 A2 4	transmissometry profiles
	H21:	5 D1 A2 4	(2)
	H22:	5 D1 A2 4	(2)
	H24:	5 D1 A2 4	(2)
	H26:	5 D1 A2 4	(2)
	H29:	5 D1 A2 4	(2)
	H33:	5 D1 A2 4	hydrocarbons, LMW-water
	H34:	3 E1 A2 4	hydrocarbons, HMW-dissolved & particula
Meteorology:	M06:	12 A1 A2 4	
Pollution:	P01:	5 C1 A2 4	suspended clay mineralogy

Reference Number: R391264
Expedition/Project: BLM-STOCSMS (1)
Cruise Number or Name: BLM-April water column - 76
Ship or Platform: R/V Longhorn (WZL-3621)
Platform Type: 01
Country: USA
Organization: University of Texas Marine Science
Port Aransas Marine Lab
Port Aransas, TX 78373

Declared National Program? yes
Exchange Restricted? no
Co-operative program? yes
Name: BLM-STOCS

Co-ordinated Internationally? no
 Chief Scientist: Craig W Griffin
 Whom to Query: A1: Craig Griffin
 University of Texas Marine Sciences Laboratory
 A2: NODC
 B1: Dr Ned Smith
 University of Texas Marine Sciences Laboratory
 C1: Dr Richard Rezak
 Texas A&M University
 D1: Dr William Sackett
 Texas A&M University
 E1: Dr Patrick Parker
 University of Texas Marine Sciences Laboratory
 F1: Dr Chase Van Baalen
 University of Texas Marine Sciences Laboratory
 G1: Dr Dan Kamykowski
 University of Texas Marine Sciences Laboratory
 H1: Dr E T Park
 Texas A&M University
 I1: Dr Warren Pulich
 University of Texas Marine Sciences Laboratory
 J1: Dr R E Casey
 Rice University
 K1: Dr B J Presley
 Texas A&M University
 L1: Dr C S Giam
 Texas A&M University

Date from: 02 04 76
 Date to: 04 04 76
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04
 Federal Support: BLM
 Remarks: (1) Bureau of Land Management-South Texas Outer Continental Shelf Monitoring Study
 (2) All samples from same niskin bottle.
 (3) Dissolved and particulate.
 (4) Hydrocarbon and tracemetals - 40 individuals per cruise
 L1 Dr Giam analyzes hydrocarbons and
 K1 Dr Presley analyzes tracemetals.

Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS
 Index 10 x 10 & 1 x 1: 7209 76

Biology:

B02:	3 F1 A2 4	chlorophyll a (2)
B08:	3 G1 A2 4	taxonomy (2)
B09:	3 H1 A2 4	taxonomy
B11:	2 K1 A2 4	trace metals (4)
B11:	2 L1 A2 4	hydrocarbons (4)
B33:	3 E1 A2 4	zooplankton
B35:	3 I1 A2 4	(2)
B40:	X K1 A2 4	trace metals-zooplankton
B59:	5 J1 A2 4	shelled microzooplankton

Hydrography:

H03:	10 B1 A2 4	(2)
H04:	10 B1 A2 4	(2)
H07:	4 B1 A2 4	(2)
H08:	4 B1 A2 4	(2)

	H10:	10 B1 A2 4	
	H17:	10 C1 A2 4	transmissometry profiles
	H21:	5 D1 A2 4	(2)
	H22:	5 D1 A2 4	(2)
	H24:	5 D1 A2 4	(2)
	H26:	5 D1 A2 4	(2)
	H29:	5 D1 A2 4	(2)
	H33:	5 D1 A2 4	hydrocarbons, LMW-water
	H34:	3 E1 A2 4	hydrocarbons, HMW-dissolved & particula
Meteorology:	M06:	12 A1 A2 4	
Pollution:	P01:	10 C1 A2 4	suspended clay mineralogy

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Reference Number:	R391278
Expedition/Project:	BLM-STOCSMS (1)
Cruise Number or Name:	BLM-Spring water column - 76
Ship or Platform:	R/V Longhorn (WZL-3621)
Platform Type:	01
Country:	USA
Organization:	University of Texas Marine Science Port Aransas Marine Lab Port Aransas, TX 78373

Declared National Program?	yes
Exchange Restricted?	no
Co-operative program?	yes
Name:	BLM-STOCS
Co-ordinated Internationally?	no
Chief Scientist:	Gerald P Pfeiffer
Whom to Query:	A1: Gerald P Pfeiffer

	University of Texas Marine Sciences Laboratory
A2:	NODC
B1:	Dr Ned Smith University of Texas Marine Sciences Laboratory
C1:	Dr Richard Rezak Texas A&M University
D1:	Dr William Sackett Texas A&M University
E1:	Dr Patrick Parker University of Texas Marine Sciences Laboratory
F1:	Dr Chase Van Baalen University of Texas Marine Sciences Laboratory
G1:	Dr Dan Kamykowski University of Texas Marine Sciences Laboratory
H1:	Dr E T Park Texas A&M University
I1:	Dr Warren Pulich University of Texas Marine Sciences Laboratory
J1:	Dr R E Casey Rice University
K1:	Dr B J Presley Texas A&M University
L1:	Dr C S Giam Texas A&M University

Date from:	29 05 76
Date to:	08 06 76

General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04
 Federal Support: BLM
 Remarks: (1) Bureau of Land Management-South Texas Outer Continental Shelf Monitoring Study
 (2) All samples from same niskin bottle.
 (3) Dissolved and particulate.
 (4) Hydrocarbon and tracemetals - 40 individuals per cruise
 L1 Dr Giam analyzes hydrocarbons and
 K1 Dr Presley analyzes tracemetals.

Discipline & Type of Measurements: GL GU GS D M HS MB HP HC P B BS

Index 10 x 10 & 1 x 1: 7209 76

Biology:	B02:	12 F1 A2 4	chlorophyll a (2)
	B08:	12 G1 A2 4	taxonomy (2)
	B09:	12 H1 A2 4	taxonomy
	B11:	2 K1 A2 4	trace metals (4)
	B11:	2 L1 A2 4	hydrocarbons (4)
	B33:	12 E1 A2 4	zooplankton
	B35:	12 I1 A2 4	(2)
	B40:	12 K1 A2 4	trace metals-zooplankton
	B59:	14 J1 A2 4	shelled microzooplankton
Hydrography:	H03:	29 B1 A2 4	(2)
	H04:	29 B1 A2 4	(2)
	H07:	29 B1 A2 4	(2)
	H08:	29 B1 A2 4	(2)
	H10:	29 B1 A2 4	
	H17:	10 C1 A2 4	transmissometry profiles
	H21:	14 D1 A2 4	(2)
	H22:	14 D1 A2 4	(2)
	H24:	14 D1 A2 4	(2)
	H26:	14 D1 A2 4	(2)
	H29:	14 D1 A2 4	(2)
	H33:	14 D1 A2 4	hydrocarbons, LMW-water
	H34:	12 E1 A2 4	hydrocarbons, HMW-dissolved & particula
Meteorology:	M06:	29 A1 A2 4	
Pollution:	PD1:	10 C1 A2 4	suspended clay mineralogy

Reference Number: R391279
 Expedition/Project: BLM-STOCSMS (1)
 Cruise Number or Name: BLM-Spring benthos I - 76
 Ship or Platform: R/V Longhorn (WZL-3621)
 Platform Type: 01
 Country: USA
 Organization: University of Texas Marine Science
 Port Aransas Marine Lab
 Port Aransas, TX 78373

Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? yes
 Name: BLM-STOCS
 Co-ordinated Internationally? no
 Chief Scientist: Gerald P Pfeiffer
 Whom to Query: A1: Gerald P Pfeiffer
 University of Texas Marine Sciences Laboratory

A2: NODC
B1: Dr J S Holland
 University of Texas Marine Sciences Laboratory
C1: Henry Berryhill
 USGS
D1: Dr P L Parker
 University of Texas Marine Sciences Laboratory
E1: Dr R Rezak
 Texas A&M University
F1: Dr E W Behrens
 University of Texas Marine Sciences Laboratory
G1: Dr L H Pequegnat
 Texas A&M University
H1: Dr C S Giam
 Texas A&M University
I1: Dr B J Presley
 Texas A&M University
J1: Dr W E Pequegnat
 Texas A&M University
K1: Dr R E Casey
 Rice University
L1: Dr D E Wohlschlag
 University of Texas Marine Sciences Laboratory

Date from:

10 06 76

Date to:

15 06 76

General Ocean Areas:

26

Type(s) of Marine Zone(s):

04

Federal Support:

BLM

Remarks:

- (1) Bureau of Land Management-South Texas Outer Continental Shelf Monitoring Study
- (2) E1 Dr Rezak analyzes samples from topographic highs and F1 Dr Behrens analyzes all other samples.
- (3) Hydrocarbon & tracemetals - 40 individuals per cruise
 H1 Dr Giam analyzes hydrocarbons and
 I1 Dr Presley analyzes tracemetals.
- (4) B1 Dr Holland analyzes macroinfauna,
 J1 Dr W E Pequegnat analyzes meiofauna and
 K1 Dr Casey analyzes shelled benthos.
- (5) Fish and invertebrates, B1 Dr Holland analyzing invertebrates and L1 Dr Wohlschlag analyzing fish.

Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS

Index 10 x 10 & 1 x 1:

7209 86 76

Biology:

B10:	5 G1 A2 4	
B11:	2 H1 A2 4	hydrocarbons (3)
B11:	2 I1 A2 4	trace metals (3)
B18:	13 B1 A2 4	macroinfauna (4)
B18:	12 J1 A2 4	meiofauna (4)
B18:	12 K1 A2 4	shelled microbenthos (4)
B33:	9 D1 A2 4	hydrocarbons-sediments
B33:	5 H1 A2 4	epifauna (3)
B33:	5 I1 A2 4	epifauna (3)
B40:	9 C1 A2 4	trace metals-sediments
B40:	5 I1 A2 4	trace metals-epifauna
B59:	10 B1 A2 4	epifauna-invertebrates (5)

Geology/Geophysics: B59: 10 L1 A2 4 epifauna-fish (5)
 G31: 13 E1 A2 4 texture-topographic highs(2)
 G31: 13 F1 A2 4 texture (2)
 Hydrography: H03: 13 B1 A2 4
 H04: 13 B1 A2 4
 H07: 13 B1 A2 4
 H08: 13 B1 A2 4
 Meteorology: M06: 14 A1 A2 4

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 Reference Number: R391280
 Expedition/Project: BLM-STOCSMS (1)
 Cruise Number or Name: BLM-Spring benthos II - 76
 Ship or Platform: R/V Longhorn (WZL-3621)
 Platform Type: 01
 Country: USA
 Organization: University of Texas Marine Science
 Port Aransas Marine Lab
 Port Aransas, TX 78373
 Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? yes
 Name: BLM-STOCS
 Co-ordinated Internationally? no
 Chief Scientist: Craig W Griffin
 Whom to Query: A1: Craig W Griffin
 University of Texas Marine Sciences Laboratory
 A2: NODC
 B1: Dr J S Holland
 University of Texas Marine Sciences Laboratory
 C1: Henry Berryhill
 USGS
 D1: Dr P L Parker
 University of Texas Marine Sciences Laboratory
 E1: Dr R Rezak
 Texas A&M University
 F1: Dr E W Behrens
 University of Texas Marine Sciences Laboratory
 G1: Dr L H Pequegnat
 Texas A&M University
 H1: Dr C S Giam
 Texas A&M University
 I1: Dr B J Presley
 Texas A&M University
 J1: Dr W E Pequegnat
 Texas A&M University
 K1: Dr R E Casey
 Rice University
 L1: Dr D E Wohlschlag
 University of Texas Marine Sciences Laboratory
 Date from: 18 06 76
 Date to: 22 06 76
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04
 Federal Support: BLM

Remarks:

- (1) Bureau of Land Management-South Texas Outer Continental Shelf Monitoring Study
- (2) E1 Dr Rezak analyzes samples from topographic highs and F1 Dr Behrens analyzes all other samples.
- (3) Hydrocarbon & tracemetals - 40 individuals per cruise
H1 Dr Giam analyzes hydrocarbons and
I1 Dr Presley analyzes tracemetals.
- (4) B1 Dr Holland analyzes macroinfauna,
J1 Dr W E Pequegnat analyzes meiofauna and
K1 Dr Casey analyzes shelled benthos.
- (5) Fish and invertebrates, B1 Dr Holland analyzing invertebrates and L1 Dr Wohlschlag analyzing fish.

Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS

Index 10 x 10 & 1 x 1: 7209 67 66

Biology:

B10:	4 G1 A2 4	
B11:	X H1 A2 4	hydrocarbons (3)
B11:	X I1 A2 4	trace metals (3)
B18:	X B1 A2 4	macroinfauna (4)
B18:	X J1 A2 4	meiofauna (4)
B18:	X K1 A2 4	shelled microbenthos (4)
B33:	X D1 A2 4	hydrocarbons-sediments
B33:	4 H1 A2 4	epifauna (3)
B33:	4 I1 A2 4	epifauna (3)
B40:	X C1 A2 4	trace metals-sediments
B40:	4 I1 A2 4	trace metals-epifauna
B59:	9 B1 A2 4	epifauna-invertebrates (5)
B59:	9 L1 A2 4	epifauna-fish (5)

Geology/Geophysics:

G31:	X E1 A2 4	texture-topographic highs(2)
G31:	X F1 A2 4	texture (2)

Hydrography:

H03:	X B1 A2 4	
H04:	X B1 A2 4	
H07:	X B1 A2 4	
H08:	X B1 A2 4	

Meteorology:

M06:	8 A1 A2 4	
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Reference Number: R391281
Expedition/Project: BLM-STOCSMS (1)
Cruise Number or Name: BLM-Spring benthos III - 76
Ship or Platform: R/V Longhorn (W2L-3621)
Platform Type: 01
Country: USA
Organization: University of Texas Marine Science
Port Aransas Marine Lab
Port Aransas, TX 78373

Declared National Program? yes
Exchange Restricted? no
Co-operative program? yes
Name: BLM-STOCS
Co-ordinated Internationally? no
Chief Scientist: Gerald P Pfeiffer
Whom to Query: A1:

A2: NODC
B1: Dr J S Holland

University of Texas Marine Sciences Laboratory
 C1: Henry Berryhill
 USGS
 D1: Dr P L Parker
 University of Texas Marine Sciences Laboratory
 E1: Dr R Rezak
 Texas A&M University
 F1: Dr E W Behrens
 University of Texas Marine Sciences Laboratory
 G1: Dr L H Pequegnat
 Texas A&M University
 H1: Dr C S Giam
 Texas A&M University
 I1: Dr B J Presley
 Texas A&M University
 J1: Dr W E Pequegnat
 Texas A&M University
 K1: Dr R E Casey
 Rice University
 L1: Dr D E Wohlschlag
 University of Texas Marine Sciences Laboratory

Date from: 24 06 76
 Date to: 29 06 76
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04
 Federal Support: BLM
 Remarks: (1) Bureau of Land Management-South Texas Outer Continental Shelf Monitoring Study
 (2) E1 Dr Rezak analyzes samples from topographic highs and F1 Dr Behrens analyzes all other samples.
 (3) Hydrocarbon & tracemetals - 40 individuals per cruise
 H1 Dr Giam analyzes hydrocarbons and I1 Dr Presley analyzes tracemetals.
 (4) B1 Dr Holland analyzes macroinfauna, J1 Dr W E Pequegnat analyzes meiofauna and K1 Dr Casey analyzes shelled benthos.
 (5) Fish and invertebrates, B1 Dr Holland analyzing invertebrates and L1 Dr Wohlschlag analyzing fish.

Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS
 Index 10 x 10 & 1 x 1: 7209 86 76 66 67

Biology:

B10:	4 G1 A2 4	
B11:	1 H1 A2 4	hydrocarbons (3)
B11:	1 I1 A2 4	trace metals (3)
B18:	17 B1 A2 4	macroinfauna (4)
B18:	17 J1 A2 4	meiofauna (4)
B18:	17 K1 A2 4	shelled microbenthos (4)
B33:	17 D1 A2 4	hydrocarbons-sediments
B33:	2 H1 A2 4	epifauna (3)
B33:	2 I1 A2 4	epifauna (3)
B40:	17 C1 A2 4	trace metals-sediments
B40:	2 I1 A2 4	trace metals-epifauna
B59:	8 B1 A2 4	epifauna-invertebrates (5)
B59:	8 L1 A2 4	epifauna-fish (5)
Geology/Geophysics:	G31: 17 E1 A2 4	texture-topographic highs(2)

Hydrography: 631: 17 F1 A2 4 texture (2)
 H03: 17 B1 A2 4
 H04: 17 B1 A2 4
 H07: 17 B1 A2 4
 H08: 17 B1 A2 4
 Meteorology: M06: 17 A1 A2 4

Reference Number: R391282
 Expedition/Project: BLM-STOCSMS (1)
 Cruise Number or Name: BLM-July water column - 76
 Ship or Platform: R/V Longhorn (WZL-3621)
 Platform Type: 01
 Country: USA
 Organization: University of Texas Marine Science
 Port Aransas Marine Lab
 Port Aransas, TX 78373

Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? yes
 Name: BLM-STOCS
 Co-ordinated Internationally? no
 Chief Scientist: Graig Griffin
 Whom to Query: A1: Craig W Griffin

University of Texas Marine Sciences Laboratory
 A2: NODC
 B1: Dr Ned Smith
 University of Texas Marine Sciences Laboratory
 C1: Dr Richard Rezak
 Texas A&M University
 D1: Dr William Sackett
 Texas A&M University
 E1: Dr Patrick Parker
 University of Texas Marine Sciences Laboratory
 F1: Dr Chase Van Baalen
 University of Texas Marine Sciences Laboratory
 G1: Dr Dan Kamykowski
 University of Texas Marine Sciences Laboratory
 H1: Dr E T Park
 Texas A&M University
 I1: Dr Warren Pulich
 University of Texas Marine Sciences Laboratory
 J1: Dr R E Casey
 Rice University
 K1: Dr B J Presley
 Texas A&M University
 L1: Dr C S Giam
 Texas A&M University

Date from: 10 07 76

Date to: 12 07 76

General Ocean Areas: 26

Type(s) of Marine Zone(s): 04

Federal Support: BLM

Remarks: (1) Bureau of Land Management-South Texas Outer Continental Shelf Monitoring Study

- (2) All samples from same niskin bottle.
- (3) Dissolved and particulate.
- (4) Hydrocarbon and tracemetals - 40 individuals per cruise
 L1 Dr Giam analyzes hydrocarbons and
 K1 Dr Presley analyzes tracemetals.

Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS
 Index 10 x 10 & 1 x 1: 7209 66

Biology:	B02:	3 F1 A2 4	chlorophyll a (2)
	B08:	3 G1 A2 4	taxonomy (2)
	B09:	3 H1 A2 4	taxonomy
	B11:	2 K1 A2 4	trace metals (4)
	B11:	2 L1 A2 4	hydrocarbons (4)
	B33:	3 E1 A2 4	zooplankton
	B35:	3 I1 A2 4	(2)
	B40:	X K1 A2 4	trace metals-zooplankton
	B59:	5 J1 A2 4	shelled microzooplankton
Hydrography:	H03:	8 B1 A2 4	(2)
	H04:	8 B1 A2 4	(2)
	H07:	8 B1 A2 4	(2)
	H08:	8 B1 A2 4	(2)
	H10:	8 B1 A2 4	
	H17:	X C1 A2 4	transmissometry profiles
	H21:	5 D1 A2 4	(2)
	H22:	5 D1 A2 4	(2)
	H24:	5 D1 A2 4	(2)
	H26:	5 D1 A2 4	(2)
	H29:	5 D1 A2 4	(2)
	H33:	5 D1 A2 4	hydrocarbons, LMW-water
	H34:	3 E1 A2 4	hydrocarbons, HMW-dissolved & particula
Meteorology:	M06:	8 A1 A2 4	
Pollution:	P01:	X C1 A2 4	suspended clay mineralogy

 Reference Number: R391283
 Expedition/Project: BLM-STOCSMS (1)
 Cruise Number or Name: BLM-July benthos - 76
 Ship or Platform: R/V Longhorn (WZL-3621)
 Platform Type: 01
 Country: USA
 Organization: University of Texas Marine Science
 Port Aransas Marine Lab
 Port Aransas, TX 78373

Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? yes
 Name: BLM-STOCS
 Co-ordinated Internationally? no
 Chief Scientist: Craig Griffin
 Whom to Query: A1: Craig Griffin
 University of Texas Marine Sciences Laboratory
 A2: NDDC
 B1: Dr J S Holland
 University of Texas Marine Sciences Laboratory
 C1: Henry Berryhill
 USGS

D1: Dr P L Parker
 University of Texas Marine Sciences Laboratory
 E1: Dr R Rezak
 Texas A&M University
 F1: Dr E W Behrens
 University of Texas Marine Sciences Laboratory
 G1: Dr L H Pequegnat
 Texas A&M University
 H1: Dr C S Giam
 Texas A&M University
 I1: Dr B J Presley
 Texas A&M University
 J1: Dr W E Pequegnat
 Texas A&M University
 K1: Dr R E Casey
 Rice University
 L1: Dr D E Wohlschlag
 University of Texas Marine Sciences Laboratory

Date from: 16 07 76
 Date to: 19 07 76
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04
 Federal Support: BLM
 Remarks:

- (1) Bureau of Land Management-South Texas Outer Continental Shelf Monitoring Study
- (2) E1 Dr Rezak analyzes samples from topographic highs and F1 Dr Behrens analyzes all other samples.
- (3) Hydrocarbon & tracemetals - 40 individuals per cruise
 H1 Dr Giam analyzes hydrocarbons and
 I1 Dr Presley analyzes tracemetals.
- (4) B1 Dr Holland analyzes macroinfauna,
 J1 Dr W E Pequegnat analyzes meiofauna and
 K1 Dr Casey analyzes shelled benthos.
- (5) Fish and invertebrates, B1 Dr Holland analyzing invertebrates and L1 Dr Wohlschlag analyzing fish.

Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS
 Index 10 x 10 & 1 x 1: 7209 B6 76 66 67

Biology:	B10:	3 G1 A2 4	
	B11:	2 H1 A2 4	hydrocarbons (3)
	B11:	2 I1 A2 4	trace metals (3)
	B18:	10 B1 A2 4	macroinfauna (4)
	B18:	10 J1 A2 4	meiofauna (4)
	B18:	10 K1 A2 4	shelled microbenthos (4)
	B33:	X D1 A2 4	hydrocarbons-sediments
	B33:	X H1 A2 4	epifauna (3)
	B33:	X I1 A2 4	epifauna (3)
	B40:	X C1 A2 4	trace metals-sediments
	B40:	X I1 A2 4	trace metals-epifauna
	B59:	6 B1 A2 4	epifauna-invertebrates (5)
	B59:	6 L1 A2 4	epifauna-fish (5)
Geology/Geophysics:	G31:	10 E1 A2 4	texture-topographic highs(2)
	G31:	10 F1 A2 4	texture (2)
Hydrography:	H03:	10 B1 A2 4	
	H04:	10 B1 A2 4	

H07: 10 B1 A2 4
H08: 10 B1 A2 4
M06: 10 A1 A2 4

Meteorology:

Reference Number: R391284
Expedition/Project: BLM-STOCSMS (1)
Cruise Number or Name: BLM-August benthos - 76
Ship or Platform: R/V Longhorn (WZL-3621)
Platform Type: 01
Country: USA
Organization: University of Texas Marine Science
Port Aransas Marine Lab
Port Aransas, TX 78373

Declared National Program? yes

Exchange Restricted? no

Co-operative program? yes

Name: BLM-STOCS

Co-ordinated Internationally? no

Chief Scientist: Craig W Griffin

Whom to Query: A1: Craig W Griffin
University of Texas Marine Sciences Laboratory

A2: NODC

B1: Dr J S Holland
University of Texas Marine Sciences Laboratory

C1: Henry Berryhill
USGS

D1: Dr P L Parker
University of Texas Marine Sciences Laboratory

E1: Dr R Rezak
Texas A&M University

F1: Dr E W Behrens
University of Texas Marine Sciences Laboratory

G1: Dr L H Pequegnat
Texas A&M University

H1: Dr C S Giam
Texas A&M University

I1: Dr B J Presley
Texas A&M University

J1: Dr W E Pequegnat
Texas A&M University

K1: Dr R E Casey
Rice University

L1: Dr D E Wohlschlag
University of Texas Marine Sciences Laboratory

Date from: 04 08 76

Date to: 07 08 76

General Ocean Areas: 26

Type(s) of Marine Zone(s): 04

Federal Support: BLM

Remarks: (1) Bureau of Land Management-South Texas Outer Continental
Shelf Monitoring Study
(2) E1 Dr Rezak analyzes samples from topographic highs and
F1 Dr Behrens analyzes all other samples.
(3) Hydrocarbon & tracemetals - 40 individuals per cruise

H1 Dr Giam analyzes hydrocarbons and
 I1 Dr Presley analyzes tracemetals.
 (4) B1 Dr Holland analyzes macroinfauna,
 J1 Dr W E Pequegnat analyzes meiofauna and
 K1 Dr Casey analyzes shelled benthos.
 (5) Fish and invertebrates, B1 Dr Holland analyzing
 invertebrates and L1 Dr Wohlschlag analyzing fish.

Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS
 Index 10 x 10 & 1 x 1: 7209 76

Biology: B10: X G1 A2 4
 B11: X H1 A2 4 hydrocarbons (3)
 B11: X I1 A2 4 trace metals (3)
 B18: 4 B1 A2 4 macroinfauna (4)
 B18: 4 J1 A2 4 meiofauna (4)
 B18: 4 K1 A2 4 shelled microbenthos (4)
 B33: X D1 A2 4 hydrocarbons-sediments
 B33: X H1 A2 4 epifauna (3)
 B33: X I1 A2 4 epifauna (3)
 B40: X C1 A2 4 trace metals-sediments
 B40: X I1 A2 4 trace metals-epifauna
 B59: 3 B1 A2 4 epifauna-invertebrates (5)
 B59: 3 L1 A2 4 epifauna-fish (5)
 Geology/Geophysics: G31: 4 E1 A2 4 texture-topographic highs(2)
 G31: 4 F1 A2 4 texture (2)
 Hydrography: H03: 4 B1 A2 4
 H04: 4 B1 A2 4
 H07: 4 B1 A2 4
 H08: 4 B1 A2 4
 Meteorology: M06: 4 A1 A2 4

Reference Number: R391285
 Expedition/Project: BLM-STOCSMS (1)
 Cruise Number or Name: BLM-August water column - 76
 Ship or Platform: R/V Longhorn (W2L-3621)
 Platform Type: 01
 Country: USA
 Organization: University of Texas Marine Science
 Port Aransas Marine Lab
 Port Aransas, TX 78373
 Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? yes
 Name: BLM-STOCS
 Co-ordinated Internationally? no
 Chief Scientist: Graig W Griffin
 Whom to Query: A1: Craig W Griffin
 University of Texas Marine Sciences Laboratory
 A2: NODC
 B1: Dr Ned Smith
 University of Texas Marine Sciences Laboratory
 C1: Dr Richard Rezak
 Texas A&M University
 D1: Dr William Sackett
 Texas A&M University

E1: Dr Patrick Parker
 University of Texas Marine Sciences Laboratory
F1: Dr Chase Van Baalen
 University of Texas Marine Sciences Laboratory
G1: Dr Dan Kamykowski
 University of Texas Marine Sciences Laboratory
H1: Dr E T Park
 Texas A&M University
I1: Dr Warren Pulich
 University of Texas Marine Sciences Laboratory
J1: Dr R E Casey
 Rice University
K1: Dr B J Presley
 Texas A&M University
L1: Dr C S Giam
 Texas A&M University

Date from: 09 08 76
Date to: 11 08 76
General Ocean Areas: 26
Type(s) of Marine Zone(s): 04
Federal Support: BLM
Remarks:

- (1) Bureau of Land Management-South Texas Outer Continental Shelf Monitoring Study
- (2) All samples from same niskin bottle.
- (3) Dissolved and particulate.
- (4) Hydrocarbon and tracemetals - 40 individuals per cruise
 L1 Dr Giam analyzes hydrocarbons and
 K1 Dr Presley analyzes tracemetals.

Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS
Index 10 x 10 & 1 x 1: 7209 76

Biology:	B02:	3 F1 A2 4	chlorophyll a (2)
	B08:	3 G1 A2 4	taxonomy (2)
	B09:	X H1 A2 4	taxonomy
	B11:	X K1 A2 4	trace metals (4)
	B11:	X L1 A2 4	hydrocarbons (4)
	B33:	3 E1 A2 4	zooplankton
	B35:	3 I1 A2 4	(2)
	B40:	X K1 A2 4	trace metals-zooplankton
	B59:	5 J1 A2 4	shelled microzooplankton
Hydrography:	H03:	8 B1 A2 4	(2)
	H04:	8 B1 A2 4	(2)
	H07:	8 B1 A2 4	(2)
	H08:	8 B1 A2 4	(2)
	H10:	8 B1 A2 4	
	H17:	X C1 A2 4	transmissometry profiles
	H21:	5 D1 A2 4	(2)
	H22:	5 D1 A2 4	(2)
	H24:	5 D1 A2 4	(2)
	H26:	5 D1 A2 4	(2)
	H29:	5 D1 A2 4	(2)
	H33:	5 D1 A2 4	hydrocarbons, LMW-water
	H34:	3 E1 A2 4	hydrocarbons, HMW-dissolved & particula
Meteorology:	M06:	8 A1 A2 4	
Pollution:	P01:	X C1 A2 4	suspended clay mineralogy

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*****
Reference Number:      R391440
Expedition/Project:   Bureau of Land Management Monitoring
Ship or Platform:     R/V Virginia Key (WTAU)
Platform Type:       01
Country:             USA
Organization:        NOAA, Atlantic Oceanographic and Meteorological Laboratory
Declared National Program?  no
Exchange Restricted?  no
Co-operative program?  no
Co-ordinated Internationally?  no
Chief Scientist:     Robert L Molinari
Whom to Query:       A1: R L Molinari
                     NOAA/ADML
                     Miami, FL
                     A2: R L Molinari
                     NOAA/AMOL
                     B1: R D Parker
                     Department of Oceanography
                     Texas A&M University
                     B2: R D Parker
                     Department of Oceanography
                     Texas A&M University

Date from:           16 08 76
Date to:             26 08 76
General Ocean Areas: 26
Type(s) of Marine Zone(s): 06
Federal Support:     BLM
Discipline & Type of Measurements: M HP D
  Index 10 x 10 & 1 x 1: 7208
Dynamics:           D05: 1 A1 A2 4
                   D07: 240 B1 B2 0
Hydrography:        H10: 15 A1 A2 3
                   H13: 63 A1 A2 3
Meteorology:        M06: 40 A1 A2 1

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*****
Reference Number:      R391445
Expedition/Project:   BLM-STOCSBS (1)
Cruise Number or Name:  BLM-01
Ship or Platform:     R/V Longhorn (WZL-3621)
Platform Type:       01
Country:             USA
Organization:        University of Texas Marine Science
                     Port Aransas Marine Lab
                     Port Aransas, TX 78373

Declared National Program?  yes
Exchange Restricted?  no
Co-operative program?  yes
  Name:             BLM-STOCS
Co-ordinated Internationally?  no
Chief Scientist:     Gerald P Pfeiffer
Whom to Query:       A1: Gerald P Pfeiffer
                     University of Texas Marine Sciences Laboratory
                     A2: NODC

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B1: Dr Ned Smith
 University of Texas Marine Sciences Laboratory
 C1: Dr W M Sackett
 Texas A&M University
 D1: Henry Berryhill
 USGS
 E1: Dr Patrick Parker
 University of Texas Marine Sciences Laboratory
 F1: Dr C Van Baalen
 University of Texas Marine Sciences Laboratory
 G1: Dr E T Park
 Texas A&M University
 H1: Dr J S Holland
 University of Texas Marine Sciences Laboratory
 I1: Dr C S Giam
 Texas A&M University
 J1: Dr D E Wohlschlag
 University of Texas Marine Sciences Laboratory
 K1: Dr R E Casey
 Rice University
 L1: Dr B J Presley
 Texas A&M University

Date from: 03 12 74
 Date to: 06 12 74
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04
 Federal Support: BLM
 Remarks: (1) Bureau of Land Management-South Texas Outer Continental Shelf Baseline Study
 (2) All samples from same niskin bottle.
 (3) Dissolved.
 (4) Benthos and macroinfauna.
 (5) Zooplankton, Neuston, and benthos.
 (6) Epifauna and invertebrates and fish.
 H1 Dr Holland analyzing invertebrates and
 J1 Dr Wohlschlag analyzing fish.
 (7) Nannoplankton-counts analyzed by F1 Dr Van Baalen.
 (8) Trace metals of zooplankton, neuston and benthos analyzed by L1 Dr Presley.

Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS
 Index 10 x 10 & 1 x 1: 7209 86 76

Biology:	B02:	X F1 A2 4	chlorophyll a (2)
	B08:	3 F1 A2 4	taxonomy (2)
	B09:	3 G1 A2 4	taxonomy
	B10:	1 H1 A2 4	taxonomy
	B18:	3 H1 A2 4	(4)
	B33:	X E1 A2 4	hydrocarbons-sediments
	B33:	3 E1 A2 4	zooplankton, neuston & benthos (5)
	B33:	3 I1 A2 4	zooplankton, neuston & benthos (5)
	B35:	3 F1 A2 4	ATP
	B39:	3 F1 A2 4	nannoplankton (7)
	B40:	3 L1 A2 4	trace metals (8)
	B59:	X H1 A2 4	epifauna-invertebrates (6)
	B59:	3 J1 A2 4	epifauna-fishes (6)

Geology/Geophysics:	B59:	3 K1 A2 4	shelled microzooplankton
Hydrography:	G32:	X D1 A2 4	trace metals-sediments
	H03:	3 B1 A2 4	
	H04:	3 B1 A2 4	
	H08:	3 B1 A2 4	
	H10:	3 B1 A2 4	
	H21:	3 C1 A2 4	(2)
	H22:	3 C1 A2 4	(2)
	H24:	3 C1 A2 4	(2)
	H26:	3 C1 A2 4	(2)
	H29:	X C1 A2 4	(2)
	H33:	3 C1 A2 4	hydrocarbons, LMW-water
	H34:	3 E1 A2 4	hydrocarbons, HMW-water (3)
Meteorology:	M06:	3 A1 A2 4	

Reference Number:	R391446
Expedition/Project:	BLM-STOCSBS (1)
Cruise Number or Name:	BLM-02
Ship or Platform:	R/V Longhorn (WZL-3621)
Platform Type:	01
Country:	USA
Organization:	University of Texas Marine Science Port Aransas Marine Lab Port Aransas, TX 78373

Declared National Program?	yes
Exchange Restricted?	no
Co-operative program?	yes
Name:	BLM-STOCS
Co-ordinated Internationally?	no
Chief Scientist:	Ned P Smith
Whom to Query:	A1: Gerald P Pfeiffer University of Texas Marine Sciences Laboratory
	A2: NODC
	B1: Dr Ned Smith University of Texas Marine Sciences Laboratory
	C1: Dr W M Sackett Texas A&M University
	D1: Henry Berryhill USGS
	E1: Dr Patrick Parker University of Texas Marine Sciences Laboratory
	F1: Dr C Van Baalen University of Texas Marine Sciences Laboratory
	G1: Dr E T Park Texas A&M University
	H1: Dr J S Holland University of Texas Marine Sciences Laboratory
	I1: Dr C S Giam Texas A&M University
	J1: Dr D E Wohlschlag University of Texas Marine Sciences Laboratory
	K1: Dr R E Casey Rice University
	L1: Dr B J Presley

Date from: Texas A&M University
 10 12 74
 Date to: 19 12 74
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04
 Federal Support: BLM
 Remarks: (1) Bureau of Land Management-South Texas Outer Continental Shelf Baseline Study
 (2) All samples from same niskin bottle.
 (3) Dissolved.
 (4) Shelled microbenthos and macroinfauna.
 (5) Zooplankton, Neuston, and benthos.
 (6) Epifauna and invertebrates and fish.
 Hi Dr Holland analyzing invertebrates and
 Ji Dr Wohlschlag analyzing fish.
 (7) Nannoplankton-counts analyzed by F1 Dr Van Baalen.
 (8) Trace metals of zooplankton, neuston and benthos analyzed by L1 Dr Presley.

Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS
 Index 10 x 10 & 1 x 1: 7209 76 67 66

Biology:	B02:	5 F1 A2 4	chlorophyll a (2)
	B08:	5 F1 A2 4	taxonomy (2)
	B09:	6 G1 A2 4	taxonomy
	B10:	4 H1 A2 4	taxonomy
	B18:	5 H1 A2 4	(4)
	B33:	X E1 A2 4	hydrocarbons-sediments
	B33:	6 E1 A2 4	zooplankton, neuston & benthos (5)
	B33:	6 I1 A2 4	zooplankton, neuston & benthos (5)
	B35:	5 F1 A2 4	ATP
	B39:	6 F1 A2 4	nannoplankton (7)
	B40:	6 L1 A2 4	trace metals (8)
	B59:	6 H1 A2 4	epifauna-invertebrates (6)
	B59:	6 J1 A2 4	epifauna-fishes (6)
	B59:	5 K1 A2 4	shelled microzooplankton
Geology/Geophysics:	G32:	X D1 A2 4	trace metals-sediments
Hydrography:	H03:	6 B1 A2 4	
	H04:	6 B1 A2 4	
	H08:	6 B1 A2 4	
	H10:	6 B1 A2 4	
	H21:	5 C1 A2 4	(2)
	H22:	5 C1 A2 4	(2)
	H24:	5 C1 A2 4	(2)
	H26:	5 C1 A2 4	(2)
	H29:	X C1 A2 4	(2)
	H33:	5 C1 A2 4	hydrocarbons, LMW-water
	H34:	5 E1 A2 4	hydrocarbons, HMW-water (3)
Meteorology:	M06:	6 A1 A2 4	

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 Reference Number: R391447
 Expedition/Project: BLM-STOCSBS (1)
 Cruise Number or Name: BLM-03
 Ship or Platform: R/V Longhorn (WZL-3621)
 Platform Type: 01
 Country: USA

Organization: University of Texas Marine Science
 Port Aransas Marine Lab
 Port Aransas, TX 78373

Declared National Program? yes
Exchange Restricted? no
Co-operative program? yes
Name: BLM-STOCS
Co-ordinated Internationally? no
Chief Scientist: Ned P Smith
Whom to Query: A1: Gerald P Pfeiffer
 University of Texas Marine Sciences Laboratory
 A2: NODC
 B1: Dr Ned Smith
 University of Texas Marine Sciences Laboratory
 C1: Dr W M Sackett
 Texas A&M University
 D1: Henry Berryhill
 USGS
 E1: Dr Patrick Parker
 University of Texas Marine Sciences Laboratory
 F1: Dr C Van Baalen
 University of Texas Marine Sciences Laboratory
 G1: Dr E T Park
 Texas A&M University
 H1: Dr J S Holland
 University of Texas Marine Sciences Laboratory
 I1: Dr C S Giam
 Texas A&M University
 J1: Dr D E Wohlschlag
 University of Texas Marine Sciences Laboratory
 K1: Dr R E Casey
 Rice University
 L1: Dr B J Presley
 Texas A&M University

Date from: 09 01 75
Date to: 09 01 75
General Ocean Areas: 26
Type(s) of Marine Zone(s): 04
Federal Support: BLM
Remarks: (1) Bureau of Land Management-South Texas Outer Continental
 Shelf Baseline Study
 (2) All samples from same niskin bottle.
 (3) Dissolved.
 (4) Shelled microbenthos and macroinfauna.
 (5) Zooplankton, Neuston, and benthos.
 (6) Epifauna and invertebrates and fish.
 H1 Dr Holland analyzing invertebrates and
 J1 Dr Wohlschlag analyzing fish.
 (7) Nannoplankton-counts analyzed by F1 Dr Van Baalen.
 (8) Trace metals of zooplankton, neuston and benthos analyzed
 by L1 Dr Presley.

Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS
Index 10 x 10 & 1 x 1: 7209 76
Biology: B02: 1 F1 A2 4 chlorophyll a (2)

	B08:	1 F1 A2 4	taxonomy (2)
	B09:	1 G1 A2 4	taxonomy
	B10:	1 H1 A2 4	taxonomy
	B18:	1 H1 A2 4	(4)
	B33:	X E1 A2 4	hydrocarbons-sediments
	B33:	1 E1 A2 4	zooplankton, neuston & benthos (5)
	B33:	1 I1 A2 4	zooplankton, neuston & benthos (5)
	B35:	1 F1 A2 4	ATP
	B39:	1 F1 A2 4	nanoplankton (7)
	B40:	1 L1 A2 4	trace metals (8)
	B59:	1 H1 A2 4	epifauna-invertebrates (6)
	B59:	1 J1 A2 4	epifauna-fishes (6)
	B59:	1 K1 A2 4	shelled microzooplankton
Geology/Geophysics:	G32:	X C1 A2 4	trace metals-sediments
Hydrography:	H03:	1 B1 A2 4	
	H04:	1 B1 A2 4	
	H08:	1 B1 A2 4	
	H10:	1 B1 A2 4	
	H21:	1 C1 A2 4	(2)
	H22:	1 C1 A2 4	(2)
	H24:	1 C1 A2 4	(2)
	H26:	1 C1 A2 4	(2)
	H29:	X C1 A2 4	(2)
	H33:	1 C1 A2 4	hydrocarbons, LMW-water
	H34:	1 E1 A2 4	hydrocarbons, HMW-water (3)
Meteorology:	M06:	1 A1 A2 4	

Reference Number:	R391448
Expedition/Project:	BLM-STOCSBS (1)
Cruise Number or Name:	BLM-04
Ship or Platform:	R/V Longhorn (WZL-3621)
Platform Type:	01
Country:	USA
Organization:	University of Texas Marine Science Port Aransas Marine Lab Port Aransas, TX 78373
Declared National Program?	yes
Exchange Restricted?	no
Co-operative program?	yes
Name:	BLM-STOCS
Co-ordinated Internationally?	no
Chief Scientist:	Gerald P Pfeiffer
Whom to Query:	A1: Gerald P Pfeiffer University of Texas Marine Sciences Laboratory
	A2: NODC
	B1: Dr Ned Smith University of Texas Marine Sciences Laboratory
	C1: Dr W M Sackett Texas A&M University
	D1: Henry Berryhill USGS
	E1: Dr Patrick Parker University of Texas Marine Sciences Laboratory
	F1: Dr C Van Baalen

University of Texas Marine Sciences Laboratory
 G1: Dr E T Park
 Texas A&M University
 H1: Dr J S Holland
 University of Texas Marine Sciences Laboratory
 I1: Dr C S Giam
 Texas A&M University
 J1: Dr D E Wohlschlag
 University of Texas Marine Sciences Laboratory
 K1: Dr R E Casey
 Rice University
 L1: Dr B J Presley
 Texas A&M University

Date from: 15 01 75
 Date to: 17 01 75
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04
 Federal Support: BLM
 Remarks: (1) Bureau of Land Management-South Texas Outer Continental Shelf Baseline Study
 (2) All samples from same niskin bottle.
 (3) Dissolved.
 (4) Shelled microbenthos and macroinfauna.
 (5) Zooplankton, Neuston, and benthos.
 (6) Epifauna and invertebrates and fish.
 H1 Dr Holland analyzing invertebrates and
 J1 Dr Wohlschlag analyzing fish.
 (7) Nannoplankton-counts analyzed by F1 Dr Van Baalen.
 (8) Trace metals of zooplankton, neuston and benthos analyzed by L1 Dr Presley.

Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS
 Index 10 x 10 & 1 x 1: 7209 86 76

Biology:

B02:	3 F1 A2 4	chlorophyll a (2)
B08:	X F1 A2 4	taxonomy (2)
B09:	X G1 A2 4	taxonomy
B10:	1 H1 A2 4	taxonomy
B18:	X H1 A2 4	(4)
B33:	X E1 A2 4	hydrocarbons-sediments
B33:	3 E1 A2 4	zooplankton, neuston & benthos (5)
B33:	3 I1 A2 4	zooplankton, neuston & benthos (5)
B35:	3 F1 A2 4	ATP
B39:	2 F1 A2 4	nannoplankton (7)
B40:	2 L1 A2 4	trace metals (8)
B59:	X H1 A2 4	epifauna-invertebrates (6)
B59:	X J1 A2 4	epifauna-fishes (6)
B59:	2 K1 A2 4	shelled microzooplankton

Geology/Geophysics:
 Hydrography:

G32:	X D1 A2 4	trace metals-sediments
H03:	X B1 A2 4	
H04:	X B1 A2 4	
H08:	X B1 A2 4	
H10:	X B1 A2 4	
H21:	X C1 A2 4	(2)
H22:	X C1 A2 4	(2)
H24:	X C1 A2 4	(2)

H26: X C1 A2 4 (2)
 H29: X C1 A2 4 (2)
 H33: X C1 A2 4 hydrocarbons, LMW-water
 H34: X E1 A2 4 hydrocarbons, HMW-water (3)
 Meteorology: M06: 4 A1 A2 4

Meteorology:

Reference Number: R391449
 Expedition/Project: BLM-STOCSBS (1)
 Cruise Number or Name: BLM-05
 Ship or Platform: R/V Longhorn (WZL-3621)
 Platform Type: 01
 Country: USA
 Organization: University of Texas Marine Science
 Port Aransas Marine Lab
 Port Aransas, TX 78373

Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? yes
 Name: BLM-STOCS
 Co-ordinated Internationally? no
 Chief Scientist: J S Holland
 Whom to Query:

- A1: Gerald P Pfeiffer
 University of Texas Marine Sciences Laboratory
- A2: NODC
- B1: Dr Ned Smith
 University of Texas Marine Sciences Laboratory
- C1: Dr W M Sackett
 Texas A&M University
- D1: Henry Berryhill
 USGS
- E1: Dr Patrick Parker
 University of Texas Marine Sciences Laboratory
- F1: Dr C Van Baalen
 University of Texas Marine Sciences Laboratory
- G1: Dr E T Park
 Texas A&M University
- H1: Dr J S Holland
 University of Texas Marine Sciences Laboratory
- I1: Dr C S Giam
 Texas A&M University
- J1: Dr D E Wohlschlag
 University of Texas Marine Sciences Laboratory
- K1: Dr R E Casey
 Rice University
- L1: Dr B J Presley
 Texas A&M University

Date from: 21 01 75
 Date to: 25 01 75
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04
 Federal Support: BLM
 Remarks: (1) Bureau of Land Management-South Texas Outer Continental
 Shelf Baseline Study
 (2) All samples from same niskin bottle.

- (3) Dissolved.
- (4) Shelled microbenthos and macroinfauna.
- (5) Zooplankton, Neuston, and benthos.
- (6) Epifauna and invertebrates and fish.
 H1 Dr Holland analyzing invertebrates and
 J1 Dr Wohlschlag analyzing fish.
- (7) Nannoplankton-counts analyzed by F1 Dr Van Baalen.
- (8) Trace metals of zooplankton, neuston and benthos analyzed
 by L1 Dr Presley.

Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS
 Index 10 x 10 & 1 x 1: 7209 67 66

Biology:	B02:	3 F1 A2 4	chlorophyll a (2)
	B08:	3 F1 A2 4	taxonomy (2)
	B09:	3 G1 A2 4	taxonomy
	B10:	3 H1 A2 4	taxonomy
	B18:	3 H1 A2 4	(4)
	B33:	3 E1 A2 4	hydrocarbons-sediments
	B33:	3 E1 A2 4	zooplankton, neuston & benthos (5)
	B33:	3 I1 A2 4	zooplankton, neuston & benthos (5)
	B35:	3 F1 A2 4	ATP
	B39:	3 F1 A2 4	nannoplankton (7)
	B40:	3 L1 A2 4	trace metals (8)
	B59:	3 H1 A2 4	epifauna-invertebrates (6)
	B59:	3 J1 A2 4	epifauna-fishes (6)
	B59:	3 K1 A2 4	shelled microzooplankton
Geology/Geophysics:	G32:	X D1 A2 4	trace metals-sediments
Hydrography:	H03:	3 B1 A2 4	
	H04:	3 B1 A2 4	
	H08:	3 B1 A2 4	
	H10:	3 B1 A2 4	
	H21:	3 C1 A2 4	(2)
	H22:	3 C1 A2 4	(2)
	H24:	3 C1 A2 4	(2)
	H26:	3 C1 A2 4	(2)
	H29:	X C1 A2 4	(2)
	H33:	3 C1 A2 4	hydrocarbons, LMW-water
	H34:	3 E1 A2 4	hydrocarbons, HMW-water (3)
Meteorology:	M06:	3 A1 A2 4	

Reference Number:	R391450
Expedition/Project:	BLM-STOCSBS (1)
Cruise Number or Name:	BLM-06
Ship or Platform:	R/V Longhorn (WZL-3621)
Platform Type:	01
Country:	USA
Organization:	University of Texas Marine Science Port Aransas Marine Lab Port Aransas, TX 78373
Declared National Program?	yes
Exchange Restricted?	no
Co-operative program?	yes
Name:	BLM-STOCS
Co-ordinated Internationally?	no
Chief Scientist:	Gerald P Pfeiffer

Whom to Query:

- A1: Gerald P Pfeiffer
University of Texas Marine Sciences Laboratory
- A2: NODC
- B1: Dr Ned Smith
University of Texas Marine Sciences Laboratory
- C1: Dr W M Sackett
Texas A&M University
- D1: Henry Berryhill
USGS
- E1: Dr Patrick Parker
University of Texas Marine Sciences Laboratory
- F1: Dr C Van Baalen
University of Texas Marine Sciences Laboratory
- G1: Dr E T Park
Texas A&M University
- H1: Dr J S Holland
University of Texas Marine Sciences Laboratory
- I1: Dr C S Giam
Texas A&M University
- J1: Dr D E Wohlschlag
University of Texas Marine Sciences Laboratory
- K1: Dr R E Casey
Rice University
- L1: Dr B J Presley
Texas A&M University

Date from:

25 02 75

Date to:

27 02 75

General Ocean Areas:

26

Type(s) of Marine Zone(s):

04

Federal Support:

BLM

Remarks:

- (1) Bureau of Land Management-South Texas Outer Continental Shelf Baseline Study
- (2) All samples from same niskin bottle.
- (3) Dissolved.
- (4) Shelled microbenthos and macroinfauna.
- (5) Zooplankton, Neuston, and benthos.
- (6) Epifauna and invertebrates and fish.
H1 Dr Holland analyzing invertebrates and
J1 Dr Wohlschlag analyzing fish.
- (7) Nannoplankton-counts analyzed by F1 Dr Van Baalen.
- (8) Trace metals of zooplankton, neuston and benthos analyzed by L1 Dr Presley.

Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS

Index 10 x 10 & 1 x 1:

7209 76 67 66

Biology:

- B02: X F1 A2 4 chlorophyll a (2)
- B08: X F1 A2 4 taxonomy (2)
- B09: 2 G1 A2 4 taxonomy
- B10: 3 H1 A2 4 taxonomy
- B18: 7 H1 A2 4 (4)
- B33: 9 E1 A2 4 hydrocarbons-sediments
- B33: 8 E1 A2 4 zooplankton, neuston & benthos (5)
- B33: 8 I1 A2 4 zooplankton, neuston & benthos (5)
- B35: X F1 A2 4 ATP
- B39: 3 F1 A2 4 nanoplankton (7)

	B40:	3 L1 A2 4	trace metals (8)
	B59:	X H1 A2 4	epifauna-invertebrates (6)
	B59:	X J1 A2 4	epifauna-fishes (6)
	B59:	X K1 A2 4	shelled microzooplankton
Geology/Geophysics:	G32:	X D1 A2 4	trace metals-sediments
Hydrography:	H03:	9 B1 A2 4	
	H04:	9 B1 A2 4	
	H08:	9 B1 A2 4	
	H10:	9 B1 A2 4	
	H21:	X C1 A2 4	(2)
	H22:	X C1 A2 4	(2)
	H24:	X C1 A2 4	(2)
	H26:	X C1 A2 4	(2)
	H29:	X C1 A2 4	(2)
	H33:	X C1 A2 4	hydrocarbons, LMW-water
	H34:	X E1 A2 4	hydrocarbons, HMW-water (3)
Meteorology:	M06:	9 A1 A2 4	

Reference Number:	R391451
Expedition/Project:	BLM-STOCSBS (1)
Cruise Number or Name:	BLM-07
Ship or Platform:	R/V Longhorn (WZL-3621)
Platform Type:	01
Country:	USA
Organization:	University of Texas Marine Science Port Aransas Marine Lab Port Aransas, TX 78373
Declared National Program?	yes
Exchange Restricted?	no
Co-operative program?	yes
Name:	BLM-STOCS
Co-ordinated Internationally?	no
Chief Scientist:	Gerald P Pfeiffer
Whom to Query:	A1: Gerald P Pfeiffer University of Texas Marine Sciences Laboratory
	A2: NODC
	B1: Dr Ned Smith University of Texas Marine Sciences Laboratory
	C1: Dr W M Sackett Texas A&M University
	D1: Henry Berryhill USGS
	E1: Dr Patrick Parker University of Texas Marine Sciences Laboratory
	F1: Dr C Van Baalen University of Texas Marine Sciences Laboratory
	G1: Dr E T Park Texas A&M University
	H1: Dr J S Holland University of Texas Marine Sciences Laboratory
	I1: Dr C S Giam Texas A&M University
	J1: Dr D E Wohlschlag University of Texas Marine Sciences Laboratory

K1: Dr R E Casey
 Rice University
 L1: Dr B J Presley
 Texas A&M University

Date from: 08 04 75
 Date to: 11 04 75
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04
 Federal Support: BLM
 Remarks:

- (1) Bureau of Land Management-South Texas Outer Continental Shelf Baseline Study
- (2) All samples from same niskin bottle.
- (3) Dissolved.
- (4) Shelled microberthos and macroinfauna.
- (5) Zooplankton, Neuston, and benthos.
- (6) Epifauna and invertebrates and fish.
 H1 Dr Holland analyzing invertebrates and
 J1 Dr Wohlschlag analyzing fish.
- (7) Nannoplankton-counts analyzed by F1 Dr Van Baalen.
- (8) Trace metals of zooplankton, neuston and benthos analyzed by L1 Dr Presley.

Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS
 Index 10 x 10 & 1 x 1: 7209 76

Biology:	B02:	3 F1 A2 4	chlorophyll a (2)
	B08:	3 F1 A2 4	taxonomy (2)
	B09:	X G1 A2 4	taxonomy
	B10:	3 H1 A2 4	taxonomy
	B18:	3 H1 A2 4	(4)
	B33:	3 E1 A2 4	hydrocarbons-sediments
	B33:	3 E1 A2 4	zooplankton, neuston & benthos (5)
	B33:	3 I1 A2 4	zooplankton, neuston & benthos (5)
	B35:	3 F1 A2 4	ATP
	B39:	3 F1 A2 4	nannoplankton (7)
	B40:	3 L1 A2 4	trace metals (8)
	B59:	3 H1 A2 4	epifauna-invertebrates (6)
	B59:	3 J1 A2 4	epifauna-fishes (6)
	B59:	3 K1 A2 4	shelled microzooplankton
Geology/Geophysics:	G32:	X D1 A2 4	trace metals-sediments
Hydrography:	H03:	3 B1 A2 4	
	H04:	3 B1 A2 4	
	H08:	3 B1 A2 4	
	H10:	3 B1 A2 4	
	H21:	3 C1 A2 4	(2)
	H22:	3 C1 A2 4	(2)
	H24:	3 C1 A2 4	(2)
	H26:	3 C1 A2 4	(2)
	H29:	X C1 A2 4	(2)
	H33:	3 C1 A2 4	hydrocarbons, LMW-water
	H34:	3 E1 A2 4	hydrocarbons, HMW-water (3)
Meteorology:	M06:	3 A1 A2 4	

 Reference Number: R391452
 Expedition/Project: BLM-STDCSBS (1)
 Cruise Number or Name: BLM-08

Ship or Platform: R/V Longhorn (WZL-3621)
 Platform Type: 01
 Country: USA
 Organization: University of Texas Marine Science
 Port Aransas Marine Lab
 Port Aransas, TX 78373

Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? yes
 Name: BLM-STOCS
 Co-ordinated Internationally? no
 Chief Scientist: Gerald P Pfeiffer
 Whom to Query: A1: Gerald P Pfeiffer
 University of Texas Marine Sciences Laboratory
 A2: NODC
 B1: Dr Ned Smith
 University of Texas Marine Sciences Laboratory
 C1: Dr W M Sackett
 Texas A&M University
 D1: Henry Berryhill
 USGS
 E1: Dr Patrick Parker
 University of Texas Marine Sciences Laboratory
 F1: Dr C Van Baalen
 University of Texas Marine Sciences Laboratory
 G1: Dr E T Park
 Texas A&M University
 H1: Dr J S Holland
 University of Texas Marine Sciences Laboratory
 I1: Dr C S Giam
 Texas A&M University
 J1: Dr D E Wohlschlag
 University of Texas Marine Sciences Laboratory
 K1: Dr R E Casey
 Rice University
 L1: Dr B J Presley
 Texas A&M University

Date from: 16 04 75
 Date to: 18 04 75
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04
 Federal Support: BLM
 Remarks: (1) Bureau of Land Management-South Texas Outer Continental
 Shelf Baseline Study
 (2) All samples from same niskin bottle.
 (3) Dissolved.
 (4) Shelled microbenthos and macroinfauna.
 (5) Zooplankton, Neuston, and benthos.
 (6) Epifauna and invertebrates and fish.
 H1 Dr Holland analyzing invertebrates and
 J1 Dr Wohlschlag analyzing fish.
 (7) Nannoplankton-counts analyzed by F1 Dr Van Baalen.
 (8) Trace metals of zooplankton, neuston and benthos analyzed
 by L1 Dr Presley.

Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS

Index 10 x 10 & 1 x 1:

720P 76

Biology: B02: 2 F1 A2 4 chlorophyll a (2)
 B08: 2 F1 A2 4 taxonomy (2)
 B09: 2 G1 A2 4 taxonomy
 B10: 2 H1 A2 4 taxonomy
 B18: 2 H1 A2 4 (4)
 B33: 2 E1 A2 4 hydrocarbons-sediments
 B33: 2 E1 A2 4 zooplankton, neuston & benthos (5)
 B33: 2 I1 A2 4 zooplankton, neuston & benthos (5)
 B35: 2 F1 A2 4 ATP
 B39: 2 F1 A2 4 nanoplankton (7)
 B40: 2 L1 A2 4 trace metals (8)
 B59: 2 H1 A2 4 epifauna-invertebrates (6)
 B59: 2 J1 A2 4 epifauna-fishes (6)
 B59: 2 K1 A2 4 shelled microzooplankton
 Geology/Geophysics: G32: X D1 A2 4 trace metals-sediments
 Hydrography: H03: 2 B1 A2 4
 H04: 2 B1 A2 4
 H08: 2 B1 A2 4
 H10: 2 B1 A2 4
 H21: 2 C1 A2 4 (2)
 H22: 2 C1 A2 4 (2)
 H24: 2 C1 A2 4 (2)
 H26: 2 C1 A2 4 (2)
 H29: X C1 A2 4 (2)
 H33: 2 C1 A2 4 hydrocarbons, LMW-water
 H34: 2 E1 A2 4 hydrocarbons, HMW-water (3)
 Meteorology: M06: 2 A1 A2 4

Reference Number: R391453
 Expedition/Project: BLM-STOCSBS (1)
 Cruise Number or Name: BLM-09
 Ship or Platform: R/V Longhorn (WZL-3621)
 Platform Type: 01
 Country: USA
 Organization: University of Texas Marine Science
 Port Aransas Marine Lab
 Port Aransas, TX 78373

Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? yes
 Name: BLM-STOCS
 Co-ordinated Internationally? no
 Chief Scientist: Gerald P Pfeiffer
 Whom to Query: A1: Gerald P Pfeiffer

University of Texas Marine Sciences Laboratory
 A2: NODC
 B1: Dr Ned Smith
 University of Texas Marine Sciences Laboratory
 C1: Dr W M Sackett
 Texas A&M University
 D1: Henry Berryhill
 USGS

E1: Dr Patrick Parker
 University of Texas Marine Sciences Laboratory
 F1: Dr C Van Baalen
 University of Texas Marine Sciences Laboratory
 G1: Dr E T Park
 Texas A&M University
 H1: Dr J S Holland
 University of Texas Marine Sciences Laboratory
 I1: Dr C S Giam
 Texas A&M University
 J1: Dr D E Wohlschlag
 University of Texas Marine Sciences Laboratory
 K1: Dr R E Casey
 Rice University
 L1: Dr B J Presley
 Texas A&M University

Date from:

04 75

Date to:

04 75

General Ocean Areas:

26

Type(s) of Marine Zone(s):

04

Federal Support:

BLM

Remarks:

- (1) Bureau of Land Management-South Texas Outer Continental Shelf Baseline Study
- (2) All samples from same niskin bottle.
- (3) Dissolved.
- (4) Shelled microbenthos and macroinfauna.
- (5) Zooplankton, Neuston, and benthos.
- (6) Epifauna and invertebrates and fish.
 H1 Dr Holland analyzing invertebrates and
 J1 Dr Wohlschlag analyzing fish.
- (7) Nannoplankton-counts analyzed by F1 Dr Van Baalen.
- (8) Trace metals of zooplankton, neuston and benthos analyzed by L1 Dr Presley.

Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS

Index 10 x 10 & 1 x 1:

7209 67 66

Biology:

B02:	3 F1 A2 4	chlorophyll a (2)
B08:	3 F1 A2 4	taxonomy (2)
B09:	3 G1 A2 4	taxonomy
B10:	3 H1 A2 4	taxonomy
B18:	3 H1 A2 4	(4)
B33:	3 E1 A2 4	hydrocarbons-sediments
B33:	3 E1 A2 4	zooplankton, neuston & benthos (5)
B33:	3 I1 A2 4	zooplankton, neuston & benthos (5)
B35:	3 F1 A2 4	ATP
B39:	3 F1 A2 4	nannoplankton (7)
B40:	3 L1 A2 4	trace metals (8)
B59:	3 H1 A2 4	epifauna-invertebrates (6)
B59:	3 J1 A2 4	epifauna-fishes (6)
B59:	3 K1 A2 4	shelled microzooplankton

Geology/Geophysics:

G32:	X D1 A2 4	trace metals-sediments
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Hydrography:

H03:	3 B1 A2 4
H04:	3 B1 A2 4
H08:	3 B1 A2 4
H10:	3 B1 A2 4

H21: 3 C1 A2 4 (2)
H22: 3 C1 A2 4 (2)
H24: 3 C1 A2 4 (2)
H26: 3 C1 A2 4 (2)
H29: X C1 A2 4 (2)
H33: 3 C1 A2 4 hydrocarbons, LMW-water
H34: 3 E1 A2 4 hydrocarbons, HMW-water (3)
Meteorology: M06: 3 A1 A2 4

Meteorology:

Reference Number: R391454
Expedition/Project: BLM-STOCSBS (1)
Cruise Number or Name: BLM-10
Ship or Platform: R/V Longhorn (WZL-3621)
Platform Type: 01
Country: USA
Organization: University of Texas Marine Science
Port Aransas Marine Lab
Port Aransas, TX 78373

Declared National Program? yes
Exchange Restricted? no
Co-operative program? yes
Name: BLM-STOCS
Co-ordinated Internationally? no
Chief Scientist: Gerald P Pfeiffer
Whom to Query:

- A1: Gerald P Pfeiffer
University of Texas Marine Sciences Laboratory
- A2: NDDC
- B1: Dr Ned Smith
University of Texas Marine Sciences Laboratory
- C1: Dr W M Sackett
Texas A&M University
- D1: Henry Berryhill
USGS
- E1: Dr Patrick Parker
University of Texas Marine Sciences Laboratory
- F1: Dr C Van Baalen
University of Texas Marine Sciences Laboratory
- G1: Dr E T Park
Texas A&M University
- H1: Dr J S Holland
University of Texas Marine Sciences Laboratory
- I1: Dr C S Giam
Texas A&M University
- J1: Dr D E Wohlschlag
University of Texas Marine Sciences Laboratory
- K1: Dr R E Casey
Rice University
- L1: Dr B J Presley
Texas A&M University

Date from: 06 05 75
Date to: 07 05 75
General Ocean Areas: 26
Type(s) of Marine Zone(s): 04
Federal Support: BLM

Remarks:

- (1) Bureau of Land Management-South Texas Outer Continental Shelf Baseline Study
- (2) All samples from same niskin bottle.
- (3) Dissolved.
- (4) Shelled microbenthos and macroinfauna.
- (5) Zooplankton, Neuston, and benthos.
- (6) Epifauna and invertebrates and fish.
H1 Dr Holland analyzing invertebrates and
J1 Dr Wohlschlag analyzing fish.
- (7) Nannoplankton-counts analyzed by F1 Dr Van Baalen.
- (8) Trace metals of zooplankton, neuston and benthos analyzed by L1 Dr Presley.

Discipline & Type of Measurements: 6L 6U 6S D M HS HB HP HC P B BS
 Index 10 x 10 & 1 x 1: 7209 87 76

Biology:	B02:	X F1 A2 4	chlorophyll a (2)
	B08:	X F1 A2 4	taxonomy (2)
	B09:	3 G1 A2 4	taxonomy
	B10:	X H1 A2 4	taxonomy
	B18:	X H1 A2 4	(4)
	B33:	X E1 A2 4	hydrocarbons-sediments
	B33:	X E1 A2 4	zooplankton, neuston & benthos (5)
	B33:	X I1 A2 4	zooplankton, neuston & benthos (5)
	B35:	X F1 A2 4	ATP
	B39:	X F1 A2 4	nannoplankton (7)
	B40:	X L1 A2 4	trace metals (8)
	B59:	X H1 A2 4	epifauna-invertebrates (6)
	B59:	X J1 A2 4	epifauna-fishes (6)
	B59:	X K1 A2 4	shelled microzooplankton
Geology/Geophysics:	G32:	X D1 A2 4	trace metals-sediments
Hydrography:	H03:	X B1 A2 4	
	H04:	X B1 A2 4	
	H08:	X B1 A2 4	
	H10:	X B1 A2 4	
	H21:	X C1 A2 4	(2)
	H22:	X C1 A2 4	(2)
	H24:	X C1 A2 4	(2)
	H26:	X C1 A2 4	(2)
	H29:	X C1 A2 4	(2)
	H33:	X C1 A2 4	hydrocarbons, LMW-water
	H34:	X E1 A2 4	hydrocarbons, HMW-water (3)
Meteorology:	M06:	X A1 A2 4	

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Reference Number:	R391455
Expedition/Project:	BLM-STOCSBS (1)
Cruise Number or Name:	BLM-11
Ship or Platform:	R/V Longhorn (W2L-3621)
Platform Type:	01
Country:	USA
Organization:	University of Texas Marine Science Port Aransas Marine Lab Port Aransas, TX 78373
Declared National Program?	yes
Exchange Restricted?	no
Co-operative program?	yes

Name: BLM-STOCS
Co-ordinated Internationally? no
Chief Scientist: Rick Tinnin
Whom to Query: A1: Gerald P Pfeiffer
 University of Texas Marine Sciences Laboratory
 A2: NDDC
 B1: Dr Ned Smith
 University of Texas Marine Sciences Laboratory
 C1: Dr W M Sackett
 Texas A&M University
 D1: Henry Berryhill
 USGS
 E1: Dr Patrick Parker
 University of Texas Marine Sciences Laboratory
 F1: Dr C Van Baalen
 University of Texas Marine Sciences Laboratory
 G1: Dr E T Park
 Texas A&M University
 H1: Dr J S Holland
 University of Texas Marine Sciences Laboratory
 I1: Dr C S Giam
 Texas A&M University
 J1: Dr D E Wohlschlag
 University of Texas Marine Sciences Laboratory
 K1: Dr R E Casey
 Rice University
 L1: Dr B J Presley
 Texas A&M University

Date from: 13 05 75
Date to: 17 05 75
General Ocean Areas: 26
Type(s) of Marine Zone(s): 04
Federal Support: BLM
Remarks: (1) Bureau of Land Management-South Texas Outer Continental Shelf Baseline Study
 (2) All samples from same niskin bottle.
 (3) Dissolved.
 (4) Shelled microbenthos and macroinfauna.
 (5) Zooplankton, Neuston, and benthos.
 (6) Epifauna and invertebrates and fish.
 H1 Dr Holland analyzing invertebrates and
 J1 Dr Wohlschlag analyzing fish.
 (7) Nannoplankton-counts analyzed by F1 Dr Van Baalen.
 (8) Trace metals of zooplankton, neuston and benthos analyzed by L1 Dr Presley.

Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS
Index 10 x 10 & 1 x 1: 7209 B6 76 67 66

Biology:

B02:	4 F1 A2 4	chlorophyll a (2)
B08:	4 F1 A2 4	taxonomy (2)
B09:	4 G1 A2 4	taxonomy
B10:	4 H1 A2 4	taxonomy
B18:	4 H1 A2 4	(4)
B33:	4 E1 A2 4	hydrocarbons-sediments
B33:	5 E1 A2 4	zooplankton, neuston & benthos (5)

	B33:	5 I1 A2 4	zooplankton, neuston & benthos (5)
	B35:	X F1 A2 4	ATP
	B39:	5 F1 A2 4	nanoplankton (7)
	B40:	5 L1 A2 4	trace metals (8)
	B59:	5 H1 A2 4	epifauna-invertebrates (6)
	B59:	5 J1 A2 4	epifauna-fishes (6)
	B59:	4 K1 A2 4	shelled microzooplankton
Geology/Geophysics:	G32:	X D1 A2 4	trace metals-sediments
Hydrography:	H03:	4 B1 A2 4	
	H04:	4 B1 A2 4	
	H08:	4 B1 A2 4	
	H10:	4 B1 A2 4	
	H21:	4 C1 A2 4	(2)
	H22:	4 C1 A2 4	(2)
	H24:	4 C1 A2 4	(2)
	H26:	4 C1 A2 4	(2)
	H29:	X C1 A2 4	(2)
	H33:	4 C1 A2 4	hydrocarbons, LMW-water
	H34:	4 E1 A2 4	hydrocarbons, HMW-water (3)
Meteorology:	M06:	6 A1 A2 4	

Reference Number:	R391456
Expedition/Project:	BLM-STOCSBS (1)
Cruise Number or Name:	BLM-12
Ship or Platform:	R/V Longhorn (WZL-3621)
Platform Type:	01
Country:	USA
Organization:	University of Texas Marine Science Port Aransas Marine Lab Port Aransas, TX 78373
Declared National Program?	yes
Exchange Restricted?	no
Co-operative program?	yes
Name:	BLM-STOCS
Co-ordinated Internationally?	no
Chief Scientist:	Gerald P Pfeiffer
Whom to Query:	A1: Gerald P Pfeiffer University of Texas Marine Sciences Laboratory
	A2: NODC
	B1: Dr Ned Smith University of Texas Marine Sciences Laboratory
	C1: Dr W M Sackett Texas A&M University
	D1: Henry Berryhill USGS
	E1: Dr Patrick Parker University of Texas Marine Sciences Laboratory
	F1: Dr C Van Baalen University of Texas Marine Sciences Laboratory
	G1: Dr E T Park Texas A&M University
	H1: Dr J S Holland University of Texas Marine Sciences Laboratory
	I1: Dr C S Giam

Texas A&M University
 J1: Dr D E Wohlschlag
 University of Texas Marine Sciences Laboratory
 K1: Dr R E Casey
 Rice University
 L1: Dr B J Presley
 Texas A&M University

Date from: 26 08 75
 Date to: 29 08 75
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04
 Federal Support: BLM
 Remarks: (1) Bureau of Land Management-South Texas Outer Continental Shelf Baseline Study
 (2) All samples from same niskin bottle.
 (3) Dissolved.
 (4) Shelled microbenthos and macroinfauna.
 (5) Zooplankton, Neuston, and benthos.
 (6) Epifauna and invertebrates and fish.
 H1 Dr Holland analyzing invertebrates and
 J1 Dr Wohlschlag analyzing fish.
 (7) Nannoplankton-counts analyzed by F1 Dr Van Baalen.
 (8) Trace metals of zooplankton, neuston and benthos analyzed by L1 Dr Presley.

Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS
 Index 10 x 10 & 1 x 1: 7209 86 76

Biology:	B02:	3 F1 A2 4	chlorophyll a (2)
	B08:	3 F1 A2 4	taxonomy (2)
	B09:	2 G1 A2 4	taxonomy
	B10:	3 H1 A2 4	taxonomy
	B18:	3 H1 A2 4	(4)
	B33:	3 E1 A2 4	hydrocarbons-sediments
	B33:	6 E1 A2 4	zooplankton, neuston & benthos (5)
	B33:	6 I1 A2 4	zooplankton, neuston & benthos (5)
	B35:	6 F1 A2 4	ATP
	B39:	6 F1 A2 4	nannoplankton (7)
	B40:	6 L1 A2 4	trace metals (8)
	B59:	6 H1 A2 4	epifauna-invertebrates (6)
	B59:	6 J1 A2 4	epifauna-fishes (6)
	B59:	6 K1 A2 4	shelled microzooplankton
Geology/Geophysics:	G32:	X D1 A2 4	trace metals-sediments
Hydrography:	H03:	3 B1 A2 4	
	H04:	3 B1 A2 4	
	H08:	3 B1 A2 4	
	H10:	3 B1 A2 4	
	H21:	3 C1 A2 4	(2)
	H22:	3 C1 A2 4	(2)
	H24:	3 C1 A2 4	(2)
	H26:	3 C1 A2 4	(2)
	H29:	X C1 A2 4	(2)
	H33:	3 C1 A2 4	hydrocarbons, LMW-water
	H34:	3 E1 A2 4	hydrocarbons, HMW-water (3)
Meteorology:	M06:	3 A1 A2 4	

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Reference Number: R391457
Expedition/Project: BLM-STOCSBS (1)
Cruise Number or Name: BLM-13
Ship or Platform: R/V Longhorn (W2L-3621)
Platform Type: 01
Country: USA
Organization: University of Texas Marine Science
Port Aransas Marine Lab
Port Aransas, TX 78373

Declared National Program? yes
Exchange Restricted? no
Co-operative program? yes
Name: BLM-STOCS
Co-ordinated Internationally? no
Chief Scientist: Gerald P Pfeiffer
Whom to Query: A1: Gerald P Pfeiffer
University of Texas Marine Sciences Laboratory
A2: NODC
B1: Dr Ned Smith
University of Texas Marine Sciences Laboratory
C1: Dr W M Sackett
Texas A&M University
D1: Henry Berryhill
USGS
E1: Dr Patrick Parker
University of Texas Marine Sciences Laboratory
F1: Dr C Van Baalen
University of Texas Marine Sciences Laboratory
G1: Dr E T Park
Texas A&M University
H1: Dr J S Holland
University of Texas Marine Sciences Laboratory
I1: Dr C S Giam
Texas A&M University
J1: Dr D E Wohlschlag
University of Texas Marine Sciences Laboratory
K1: Dr R E Casey
Rice University
L1: Dr B J Presley
Texas A&M University

Date from: 04 09 75
Date to: 09 09 75
General Ocean Areas: 26
Type(s) of Marine Zone(s): 04
Federal Support: BLM
Remarks: (1) Bureau of Land Management-South Texas Outer Continental
Shelf Baseline Study
(2) All samples from same niskin bottle.
(3) Dissolved.
(4) Shelled microbenthos and macroinfauna.
(5) Zooplankton, Neuston, and benthos.
(6) Epifauna and invertebrates and fish.
H1 Dr Holland analyzing invertebrates and
J1 Dr Wohlschlag analyzing fish.

(7) Nannoplankton-counts analyzed by F1 Dr Van Baalen.
 (8) Trace metals of zooplankton, neuston and benthos analyzed
 by L1 Dr Presley.

Discipline & Type of Measurements:	GL	GU	GS	D	M	HS	HB	HP	HC	P	B	BS
Index 10 x 10 & 1 x 1:	7209	76	67	66								
Biology:	B02:	6	F1	A2	4							chlorophyll a (2)
	B08:	6	F1	A2	4							taxonomy (2)
	B09:	6	G1	A2	4							taxonomy
	B10:	6	H1	A2	4							taxonomy
	B18:	6	H1	A2	4							(4)
	B33:	6	E1	A2	4							hydrocarbons-sediments
	B33:	6	E1	A2	4							zooplankton, neuston & benthos (5)
	B33:	6	I1	A2	4							zooplankton, neuston & benthos (5)
	B35:	6	F1	A2	4							ATP
	B39:	6	F1	A2	4							nannoplankton (7)
	B40:	6	L1	A2	4							trace metals (8)
	B59:	6	H1	A2	4							epifauna-invertebrates (6)
	B59:	6	J1	A2	4							epifauna-fishes (6)
	B59:	6	K1	A2	4							shelled microzooplankton
Geology/Geophysics:	G32:	X	D1	A2	4							trace metals-sediments
Hydrography:	H03:	6	B1	A2	4							
	H04:	6	B1	A2	4							
	H08:	6	B1	A2	4							
	H10:	6	B1	A2	4							
	H21:	6	C1	A2	4							(2)
	H22:	6	C1	A2	4							(2)
	H24:	6	C1	A2	4							(2)
	H26:	6	C1	A2	4							(2)
	H29:	X	C1	A2	4							(2)
	H33:	6	C1	A2	4							hydrocarbons, LMW-water
	H34:	6	E1	A2	4							hydrocarbons, HMW-water (3)
Meteorology:	M06:	6	A1	A2	4							

Reference Number:	R391458
Expedition/Project:	BLM-STDCSBS (1)
Cruise Number or Name:	BLM-14
Ship or Platform:	R/V Longhorn (WZL-3621)
Platform Type:	01
Country:	USA
Organization:	University of Texas Marine Science Port Aransas Marine Lab Port Aransas, TX 78373
Declared National Program?	yes
Exchange Restricted?	no
Co-operative program?	yes
Name:	BLM-STDCS
Co-ordinated Internationally?	no
Chief Scientist:	Ned P Smith
Whom to Query:	A1: Gerald P Pfeiffer University of Texas Marine Sciences Laboratory A2: NODC B1: Dr Ned Smith University of Texas Marine Sciences Laboratory C1: Dr W M Sackett

Texas A&M University
 D1: Henry Berryhill
 USGS
 E1: Dr Patrick Parker
 University of Texas Marine Sciences Laboratory
 F1: Dr C Van Baalen
 University of Texas Marine Sciences Laboratory
 G1: Dr E T Park
 Texas A&M University
 H1: Dr J S Holland
 University of Texas Marine Sciences Laboratory
 I1: Dr C S Giam
 Texas A&M University
 J1: Dr D E Wohlschlag
 University of Texas Marine Sciences Laboratory
 K1: Dr R E Casey
 Rice University
 L1: Dr B J Presley
 Texas A&M University

Date from: 11 05 75
 Date to: 15 05 75
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04
 Federal Support: BLM
 Remarks: (1) Bureau of Land Management-South Texas Outer Continental Shelf Baseline Study
 (2) All samples from same niskin bottle.
 (3) Dissolved.
 (4) Shelled microbenthos and macroinfauna.
 (5) Zooplankton, Neuston, and benthos.
 (6) Epifauna and invertebrates and fish.
 H1 Dr Holland analyzing invertebrates and
 J1 Dr Wohlschlag analyzing fish.
 (7) Nannoplankton-counts analyzed by F1 Dr Van Baalen.
 (8) Trace metals of zooplankton, neuston and benthos analyzed by L1 Dr Presley.

Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS
 Index 10 x 10 & 1 x 1: 7209 67 66

Biology:	B02:	3 F1 A2 4	chlorophyll a (2)
	B08:	3 F1 A2 4	taxonomy (2)
	B09:	3 G1 A2 4	taxonomy
	B10:	3 H1 A2 4	taxonomy
	B18:	3 H1 A2 4	(4)
	B33:	3 E1 A2 4	hydrocarbons-sediments
	B33:	3 E1 A2 4	zooplankton, neuston & benthos (5)
	B33:	3 I1 A2 4	zooplankton, neuston & benthos (5)
	B35:	3 F1 A2 4	ATP
	B39:	3 F1 A2 4	nannoplankton (7)
	B40:	3 L1 A2 4	trace metals (8)
	B59:	3 H1 A2 4	epifauna-invertebrates (6)
	B59:	3 J1 A2 4	epifauna-fishes (6)
	B59:	3 K1 A2 4	shelled microzooplankton
Geology/Geophysics:	G32:	X D1 A2 4	trace metals-sediments
Hydrography:	H03:	3 B1 A2 4	

H04: 3 B1 A2 4
 H08: 3 B1 A2 4
 H10: 3 B1 A2 4
 H21: 3 C1 A2 4 (2)
 H22: 3 C1 A2 4 (2)
 H24: 3 C1 A2 4 (2)
 H26: 3 C1 A2 4 (2)
 H29: X C1 A2 4 (2)
 H33: 3 C1 A2 4 hydrocarbons, LMW-water
 H34: 3 E1 A2 4 hydrocarbons, HMW-water (3)
 M06: 3 A1 A2 4

Meteorology:

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Reference Number: R391459
Expedition/Project: BLM-STOCSBS (1)
Cruise Number or Name: BLM-15
Ship or Platform: R/V Longhorn (WZL-3621)
Platform Type: 01
Country: USA
Organization: University of Texas Marine Science
 Port Aransas Marine Lab
 Port Aransas, TX 78373

Declared National Program? yes
Exchange Restricted? no
Co-operative program? yes
Name: BLM-STOCS
Co-ordinated Internationally? no

Chief Scientist:
Whom to Query:

- A1: Gerald P Pfeiffer
University of Texas Marine Sciences Laboratory
- A2: NODC
- B1: Dr Ned Smith
University of Texas Marine Sciences Laboratory
- C1: Dr W M Sackett
Texas A&M University
- D1: Henry Berryhill
USGS
- E1: Dr Patrick Parker
University of Texas Marine Sciences Laboratory
- F1: Dr C Van Baalen
University of Texas Marine Sciences Laboratory
- G1: Dr E T Park
Texas A&M University
- H1: Dr J S Holland
University of Texas Marine Sciences Laboratory
- I1: Dr C S Giam
Texas A&M University
- J1: Dr D E Wohlschlag
University of Texas Marine Sciences Laboratory
- K1: Dr R E Casey
Rice University
- L1: Dr B J Presley
Texas A&M University

Date from: 29 09 75
Date to: 30 09 75

General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04
 Federal Support: BLM
 Remarks: (1) Bureau of Land Management-South Texas Outer Continental Shelf Baseline Study
 (2) All samples from same niskin bottle.
 (3) Dissolved.
 (4) Shelled microbenthos and macroinfauna.
 (5) Zooplankton, Neuston, and benthos.
 (6) Epifauna and invertebrates and fish.
 H1 Dr Holland analyzing invertebrates and
 J1 Dr Wohlschlag analyzing fish.
 (7) Nannoplankton-counts analyzed by F1 Dr Van Baalen.
 (8) Trace metals of zooplankton, neuston and benthos analyzed by L1 Dr Presley.

Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS
 Index 10 x 10 & 1 x 1: 7209 86 76

Biology:	B02:	X F1 A2 4	chlorophyll a (2)
	B08:	X F1 A2 4	taxonomy (2)
	B09:	1 G1 A2 4	taxonomy
	B10:	X H1 A2 4	taxonomy
	B18:	X H1 A2 4	(4)
	B33:	X E1 A2 4	hydrocarbons-sediments
	B33:	X E1 A2 4	zooplankton, neuston & benthos (5)
	B33:	X I1 A2 4	zooplankton, neuston & benthos (5)
	B35:	X F1 A2 4	ATP
	B39:	X F1 A2 4	nannoplankton (7)
	B40:	X L1 A2 4	trace metals (8)
	B59:	X H1 A2 4	epifauna-invertebrates (6)
	B59:	X J1 A2 4	epifauna-fishes (6)
	B59:	X K1 A2 4	shelled microzooplankton
Geology/Geophysics:	G32:	X D1 A2 4	trace metals-sediments
Hydrography:	H03:	2 B1 A2 4	
	H04:	2 B1 A2 4	
	H08:	2 B1 A2 4	
	H10:	2 B1 A2 4	
	H21:	X C1 A2 4	(2)
	H22:	X C1 A2 4	(2)
	H24:	X C1 A2 4	(2)
	H26:	X C1 A2 4	(2)
	H29:	X C1 A2 4	(2)
	H33:	X C1 A2 4	hydrocarbons, LMW-water
	H34:	X E1 A2 4	hydrocarbons, HMW-water (3)
Meteorology:	M06:	2 A1 A2 4	

Reference Number: R391581
 Expedition/Project: BLM-STOCSMS (1)
 Cruise Number or Name: BLM-33-July histopathology
 Ship or Platform: R/V Longhorn (WZL-3621)
 Platform Type: 01
 Country: USA
 Organization: University of Texas
 Marine Science Laboratory
 Port Aransas, TX 78373

Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? yes
 Name: BLM-STOCSMS (1)
 Co-ordinated Internationally? no
 Chief Scientist: Craig W Griffin
 Whom to Query: A1: Craig W Griffin
 University of Texas Marine Sciences Laboratory
 B1: Dr W E Haensly
 Texas A&M University
 C1: Dr J M Neff
 Texas A&M University
 D1: Dr S A Ramirez
 University Texas at San Antonio
 Date from: 22 07 76
 Date to: 23 07 76
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04
 Federal Support: BLM
 Remarks: (1) Bureau of Land Management-South Texas Outer Continental
 Shelf Monitoring Study
 (2) B1 Dr Haensly studies the Histopathology of marine
 fishes, C1 Dr Neff studies the histopathology of marine
 invertebrates. D1 Dr Ramirez project is entitled
 "Chromosomal Survey and Comparison Survey of Reproductive
 Tissue changes as part of histopathological survey of
 macroepifauna and demersal fishes."

Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS
 Index 10 x 10 & 1 x 1: 7209 76
 Biology: B62: 4 B1 A2 4 histopathology-fishes (2)
 B62: 4 C1 A2 4 histopathology-invertebrates (2)
 B62: 4 D1 A2 4 histopathology (2)
 Meteorology: M06: 4 A1 A2 4

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 Reference Number: R391582
 Expedition/Project: BLM-STOCSMS (1)
 Cruise Number or Name: BLM-37-August make up benthos
 Ship or Platform: R/V Longhorn (WZL-3621)
 Platform Type: 01
 Country: USA
 Organization: University of Texas Marine Science
 Port Aransas Marine Lab
 Port Aransas, TX 78373

Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? yes
 Name: BLM-STOCS
 Co-ordinated Internationally? no
 Chief Scientist: Craig W Griffin
 Whom to Query: A1: Craig W Griffin
 University of Texas Marine Sciences Laboratory
 A2: NODC
 B1: Dr J S Holland
 University of Texas Marine Sciences Laboratory

C1: Henry Berryhill
 USGS
 D1: Dr P L Parker
 University of Texas Marine Sciences Laboratory
 E1: Dr R Rezak
 Texas A&M University
 F1: Dr E W Behrens
 University of Texas Marine Sciences Laboratory
 G1: Dr L H Pequegnat
 Texas A&M University
 H1: Dr C S Giam
 Texas A&M University
 I1: Dr B J Presley
 Texas A&M University
 J1: Dr W E Pequegnat
 Texas A&M University
 K1: Dr R E Casey
 Rice University
 L1: Dr D E Wohlschlag
 University of Texas Marine Sciences Laboratory
 M1: Dr E T Park
 Texas A&M University

Date from: 27 08 76
 Date to: 29 08 76
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04
 Federal Support: BLM
 Remarks:

- (1) Bureau of Land Management-South Texas Outer Continental Shelf Monitoring Study
- (2) E1 Dr Rezak analyzes samples from topographic highs and F1 Dr Behrens analyzes all other samples.
- (3) Hydrocarbon & tracemetals - 40 individuals per cruise
 H1 Dr Giam analyzes hydrocarbons and
 I1 Dr Presley analyzes tracemetals.
- (4) B1 Dr Holland analyzes macroinfauna,
 J1 Dr W E Pequegnat analyzes meiofauna and
 K1 Dr Casey analyzes shelled benthos.
- (5) Fish and invertebrates, B1 Dr Holland analyzing invertebrates and L1 Dr Wohlschlag analyzing fish.

Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS

Index 10 x 10 & 1 x 1: 7209 76

Biology:	B09:	3 M1 A2 4	taxonomy
	B10:	3 G1 A2 4	
	B11:	2 H1 A2 4	hydrocarbons (3)
	B11:	2 I1 A2 4	trace metals (3)
	B18:	6 B1 A2 4	macroinfauna (4)
	B18:	6 J1 A2 4	meiofauna (4)
	B18:	6 K1 A2 4	shelled microbenthos (4)
	B33:	X D1 A2 4	hydrocarbons-sediments
	B33:	X H1 A2 4	epifauna (3)
	B33:	X I1 A2 4	epifauna (3)
	B40:	X C1 A2 4	trace metals-sediments
	B40:	X I1 A2 4	trace metals-epifauna
	B59:	3 B1 A2 4	epifauna-invertebrates (5)

	B59:	3 L1 A2 4	epifauna-fish (5)
Geology/Geophysics:	G31:	6 E1 A2 4	texture-topographic highs(2)
	G31:	6 F1 A2 4	texture (2)
Hydrography:	H03:	6 B1 A2 4	
	H04:	6 B1 A2 4	
	H07:	6 B1 A2 4	
	H08:	6 B1 A2 4	
Meteorology:	M06:	6 A1 A2 4	

Reference Number:	R391583
Expedition/Project:	BLM-STOCSMS (1)
Cruise Number or Name:	BLM-39-Summer/fall benthos I
Ship or Platform:	R/V Longhorn (WZL-3621)
Platform Type:	01
Country:	USA
Organization:	University of Texas Marine Science Port Aransas Marine Lab Port Aransas, TX 78373
Declared National Program?	yes
Exchange Restricted?	no
Co-operative program?	yes
Name:	BLM-STOCS
Co-ordinated Internationally?	no
Chief Scientist:	Craig W Griffin
Whom to Query:	A1: Craig W Griffin University of Texas Marine Sciences Laboratory
	A2: NODC
	B1: Dr J S Holland University of Texas Marine Sciences Laboratory
	C1: Henry Berryhill USGS
	D1: Dr P L Parker University of Texas Marine Sciences Laboratory
	E1: Dr R Rezak Texas A&M University
	F1: Dr E W Behrens University of Texas Marine Sciences Laboratory
	G1: Dr L H Pequegnat Texas A&M University
	H1: Dr C S Giam Texas A&M University
	I1: Dr B J Presley Texas A&M University
	J1: Dr W E Pequegnat Texas A&M University
	K1: Dr R E Casey Rice University
	L1: Dr D E Wohlschlag University of Texas Marine Sciences Laboratory
Date from:	18 09 76
Date to:	23 09 76
General Ocean Areas:	26
Type(s) of Marine Zone(s):	04
Federal Support:	BLM

Remarks:

- (1) Bureau of Land Management-South Texas Outer Continental Shelf Monitoring Study
- (2) E1 Dr Rezak analyzes samples from topographic highs and F1 Dr Behrens analyzes all other samples.
- (3) Hydrocarbon & tracemetals - 40 individuals per cruise
H1 Dr Giam analyzes hydrocarbons and I1 Dr Presley analyzes tracemetals.
- (4) B1 Dr Holland analyzes macroinfauna,
J1 Dr W E Pequegnat analyzes meiofauna and K1 Dr Casey analyzes shelled benthos.
- (5) Fish and invertebrates, B1 Dr Holland analyzing invertebrates and L1 Dr Wohlschlag analyzing fish.

Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS

Index 10 x 10 & 1 x 1: 7209 66 67

Biology:

B10:	6 G1 A2 4	
B11:	X H1 A2 4	hydrocarbons (3)
B11:	X I1 A2 4	trace metals (3)
B18:	13 B1 A2 4	macroinfauna (4)
B18:	13 J1 A2 4	meiofauna (4)
B18:	13 K1 A2 4	shelled microbenthos (4)
B33:	13 D1 A2 4	hydrocarbons-sediments
B33:	6 H1 A2 4	epifauna (3)
B33:	6 I1 A2 4	epifauna (3)
B40:	13 C1 A2 4	trace metals-sediments
B40:	6 I1 A2 4	trace metals-epifauna
B59:	13 B1 A2 4	epifauna-invertebrates (5)
B59:	13 L1 A2 4	epifauna-fish (5)

Geology/Geophysics:

G31:	13 E1 A2 4	texture-topographic highs(2)
G31:	13 F1 A2 4	texture (2)

Hydrography:

H03:	13 B1 A2 4	
H04:	13 B1 A2 4	
H07:	13 B1 A2 4	
H08:	13 B1 A2 4	

Meteorology:

M06:	13 A1 A2 4	
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Reference Number: R391584
Expedition/Project: BLM-STOCSMS (1)
Cruise Number or Name: BLM-38-Summer/fall water column
Ship or Platform: R/V Longhorn (WZL-3621)
Platform Type: 01
Country: USA
Organization: University of Texas Marine Science
Port Aransas Marine Lab
Port Aransas, TX 78373

Declared National Program? yes
Exchange Restricted? no
Co-operative program? yes
Name: BLM-STOCS
Co-ordinated Internationally? no
Chief Scientist: Graig W Griffin
Whom to Query: A1: Craig W Griffin
University of Texas Marine Sciences Laboratory
A2: NDDC
B1: Dr Ned Smith

University of Texas Marine Sciences Laboratory
 C1: Dr Richard Rezak
 Texas A&M University
 D1: Dr William Sackett
 Texas A&M University
 E1: Dr Patrick Parker
 University of Texas Marine Sciences Laboratory
 F1: Dr Chase Van Baalen
 University of Texas Marine Sciences Laboratory
 G1: Dr Dan Kamykowski
 University of Texas Marine Sciences Laboratory
 H1: Dr E T Park
 Texas A&M University
 I1: Dr Warren Pullich
 University of Texas Marine Sciences Laboratory
 J1: Dr R E Casey
 Rice University
 K1: Dr B J Presley
 Texas A&M University
 L1: Dr C S Giam
 Texas A&M University

Date from: 10 09 76
 Date to: 16 09 76
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04
 Federal Support: BLM
 Remarks: (1) Bureau of Land Management-South Texas Outer Continental Shelf Monitoring Study
 (2) All samples from same niskin bottle.
 (3) Dissolved and particulate.
 (4) Hydrocarbon and tracemetals - 40 individuals per cruise
 L1 Dr Giam analyzes hydrocarbons and
 K1 Dr Presley analyzes tracemetals.

Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS
 Index 10 x 10 & 1 x 1: 7209 66 67 76 86

Biology:

B02:	12 F1 A2 4	chlorophyll a (2)
B08:	12 G1 A2 4	taxonomy (2)
B09:	12 H1 A2 4	taxonomy
B11:	2 K1 A2 4	trace metals (4)
B11:	2 L1 A2 4	hydrocarbons (4)
B33:	12 E1 A2 4	zooplankton
B35:	12 I1 A2 4	(2)
B40:	12 K1 A2 4	trace metals-zooplankton
B59:	14 J1 A2 4	shelled microzooplankton

Hydrography:

H03:	27 B1 A2 4	(2)
H04:	27 B1 A2 4	(2)
H07:	27 B1 A2 4	(2)
H08:	27 B1 A2 4	(2)
H10:	27 B1 A2 4	
H17:	X C1 A2 4	transmissometry profiles
H21:	14 D1 A2 4	(2)
H22:	14 D1 A2 4	(2)
H24:	14 D1 A2 4	(2)
H26:	14 D1 A2 4	(2)

H29: 14 D1 A2 4 (2)
 H33: 14 D1 A2 4 hydrocarbons, LMW-water
 H34: 12 E1 A2 4 hydrocarbons, HMW-dissolved & particula
 Meteorology: M06: 27 A1 A2 4
 Pollution: P01: X C1 A2 4 suspended clay mineralogy

Reference Number: R391585
 Expedition/Project: BLM-STOCSMS (1)
 Cruise Number or Name: BLM-41-October histopathology
 Ship or Platform: R/V Longhorn (W2L-3621)
 Platform Type: 01
 Country: USA
 Organization: University of Texas
 Marine Science Laboratory
 Port Aransas, TX 78373

Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? yes
 Name: BLM-STOCSMS (1)
 Co-ordinated Internationally? no
 Chief Scientist: Craig W Griffin
 Whom to Query:

A1: Craig W Griffin
 University of Texas Marine Sciences Laboratory
 B1: Dr W E Haensly
 Texas A&M University
 C1: Dr J M Neff
 Texas A&M University
 D1: Dr S A Ramirez
 University Texas at San Antonio

Date from: 01 10 76
 Date to: 02 10 76
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04
 Federal Support: BLM
 Remarks:

(1) Bureau of Land Management-South Texas Outer Continental Shelf Monitoring Study
 (2) B1 Dr Haensly studies the Histopathology of marine fishes, C1 Dr Neff studies the histopathology of marine invertebrates. D1 Dr Ramirez project is entitled "Chromosomal Survey and Comparison Survey of Reproductive Tissue changes as part of histopathological survey of macroepifauna and demersal fishes."

Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS
 Index 10 x 10 & 1 x 1: 7209 76

Biology: B62: 4 B1 A2 4 histopathology-fishes (2)
 B62: 4 C1 A2 4 histopathology-invertebrates (2)
 B62: 4 D1 A2 4 histopathology (2)
 Meteorology: M06: 4 A1 A2 4

Reference Number: R391586
 Expedition/Project: BLM-STOCSMS (1)
 Cruise Number or Name: BLM-42-Summer/fall benthos II
 Ship or Platform: R/V Longhorn (W2L-3621)
 Platform Type: 01

Country: USA
 Organization: University of Texas Marine Science
 Port Aransas Marine Lab
 Port Aransas, TX 78373
 Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? yes
 Name: BLM-STOCS
 Co-ordinated Internationally? no
 Chief Scientist: Craig W Griffin
 Whom to Query: A1: Craig W Griffin
 University of Texas Marine Sciences Laboratory
 A2: NODC
 B1: Dr J S Holland
 University of Texas Marine Sciences Laboratory
 C1: Henry Berryhill
 USGS
 D1: Dr P L Parker
 University of Texas Marine Sciences Laboratory
 E1: Dr R Rezak
 Texas A&M University
 F1: Dr E W Behrens
 University of Texas Marine Sciences Laboratory
 G1: Dr L H Pequegnat
 Texas A&M University
 H1: Dr C S Giam
 Texas A&M University
 I1: Dr B J Presley
 Texas A&M University
 J1: Dr W E Pequegnat
 Texas A&M University
 K1: Dr R E Casey
 Rice University
 L1: Dr D E Wohlschlag
 University of Texas Marine Sciences Laboratory
 Date from: 06 10 76
 Date to: 12 10 76
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04
 Federal Support: BLM
 Remarks: (1) Bureau of Land Management-South Texas Outer Continental
 Shelf Monitoring Study
 (2) E1 Dr Rezak analyzes samples from topographic highs and
 F1 Dr Behrens analyzes all other samples.
 (3) Hydrocarbon & tracemetals - 40 individuals per cruise
 H1 Dr Giam analyzes hydrocarbons and
 I1 Dr Presley analyzes tracemetals.
 (4) B1 Dr Holland analyzes macroinfauna,
 J1 Dr W E Pequegnat analyzes meiofauna and
 K1 Dr Casey analyzes shelled benthos.
 (5) Fish and invertebrates, B1 Dr Holland analyzing
 invertebrates and L1 Dr Wohlschlag analyzing fish.
 Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS
 Index 10 x 10 & 1 x 1: 7209 76 86

Biology:	B10:	6 B1 A2 4	
	B11:	2 H1 A2 4	hydrocarbons (3)
	B11:	2 I1 A2 4	trace metals (3)
	B18:	16 B1 A2 4	macroinfauna (4)
	B18:	16 J1 A2 4	meiofauna (4)
	B18:	16 K1 A2 4	shelled microbenthos (4)
	B33:	12 D1 A2 4	hydrocarbons-sediments
	B33:	6 H1 A2 4	epifauna (3)
	B33:	6 I1 A2 4	epifauna (3)
	B40:	12 C1 A2 4	trace metals-sediments
	B40:	6 I1 A2 4	trace metals-epifauna
	B59:	12 B1 A2 4	epifauna-invertebrates (5)
	B59:	12 L1 A2 4	epifauna-fish (5)
Geology/Geophysics:	G31:	16 E1 A2 4	texture-topographic highs(2)
	G31:	16 F1 A2 4	texture (2)
Hydrography:	H03:	16 B1 A2 4	
	H04:	16 B1 A2 4	
	H07:	16 B1 A2 4	
	H08:	16 B1 A2 4	
Meteorology:	M06:	16 A1 A2 4	

Reference Number:	R391587
Expedition/Project:	BLM-STOCSMS (1)
Cruise Number or Name:	BLM-44-November histopathology
Ship or Platform:	R/V Longhorn (WZL-3621)
Platform Type:	01
Country:	USA
Organization:	University of Texas Marine Science Laboratory Port Aransas, TX 78373
Declared National Program?	yes
Exchange Restricted?	no
Co-operative program?	yes
Name:	BLM-STOCSMS (1)
Co-ordinated Internationally?	no
Chief Scientist:	Craig W Griffin
Whom to Query:	A1: Craig W Griffin University of Texas Marine Sciences Laboratory B1: Dr W E Haensly Texas A&M University C1: Dr J M Neff Texas A&M University D1: Dr S A Ramirez University Texas at San Antonio
Date from:	05 11 76
Date to:	06 11 76
General Ocean Areas:	26
Type(s) of Marine Zone(s):	04
Federal Support:	BLM
Remarks:	(1) Bureau of Land Management-South Texas Outer Continental Shelf Monitoring Study (2) B1 Dr Haensly studies the Histopathology of marine fishes, C1 Dr Neff studies the histopathology of marine invertebrates. D1 Dr Ramirez project is entitled

"Chromosomal Survey and Comparison Survey of Reproductive
Tissue changes as part of histopathological survey of
macroepifauna and demersal fishes."

Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS
 Index 10 x 10 & 1 x 1: 7209 76

Biology: B62: 4 B1 A2 4 histopathology-fishes (2)
 B62: 4 C1 A2 4 histopathology-invertebrates (2)
 B62: 4 D1 A2 4 histopathology (2)

Meteorology: M06: 4 A1 A2 4

Reference Number: R391588
 Expedition/Project: BLM-STOCSMS (1)
 Cruise Number or Name: BLM-45-November water column
 Ship or Platform: R/V Longhorn (WZL-3621)
 Platform Type: 01
 Country: USA
 Organization: University of Texas Marine Science
 Port Aransas Marine Lab
 Port Aransas, TX 78373

Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? yes
 Name: BLM-STOCS
 Co-ordinated Internationally? no
 Chief Scientist: Graig W Griffin
 Whom to Query: A1: Craig W Griffin
 University of Texas Marine Sciences Laboratory
 A2: NODC
 B1: Dr Ned Smith
 University of Texas Marine Sciences Laboratory
 C1: Dr Richard Rezak
 Texas A&M University
 D1: Dr William Sackett
 Texas A&M University
 E1: Dr Patrick Parker
 University of Texas Marine Sciences Laboratory
 F1: Dr Chase Van Baalen
 University of Texas Marine Sciences Laboratory
 G1: Dr Dan Kamykowski
 University of Texas Marine Sciences Laboratory
 H1: Dr E T Park
 Texas A&M University
 I1: Dr Warren Pulich
 University of Texas Marine Sciences Laboratory
 J1: Dr R E Casey
 Rice University
 K1: Dr B J Presley
 Texas A&M University
 L1: Dr C S Giam
 Texas A&M University

Date from: 08 11 76
 Date to: 10 11 76
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04

Federal Support:

BLM

Remarks:

- (1) Bureau of Land Management-South Texas Outer Continental Shelf Monitoring Study
- (2) All samples from same niskin bottle.
- (3) Dissolved and particulate.
- (4) Hydrocarbon and tracemetals - 40 individuals per cruise
L1 Dr Giam analyzes hydrocarbons and
K1 Dr Presley analyzes tracemetals.

Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS

Index 10 x 10 & 1 x 1: 7209 76

Biology:

B02: 3 F1 A2 4 chlorophyll a (2)
 B08: 3 G1 A2 4 taxonomy (2)
 B09: 3 H1 A2 4 taxonomy
 B11: 2 K1 A2 4 trace metals (4)
 B11: 2 L1 A2 4 hydrocarbons (4)
 B33: 3 E1 A2 4 zooplankton
 B35: 3 I1 A2 4 (2)
 B40: X K1 A2 4 trace metals-zooplankton
 B59: 5 J1 A2 4 shelled microzooplankton

Hydrography:

H03: 11 B1 A2 4 (2)
 H04: 11 B1 A2 4 (2)
 H07: 11 B1 A2 4 (2)
 H08: 11 B1 A2 4 (2)
 H10: 11 B1 A2 4
 H17: 10 C1 A2 4 transmissometry profiles
 H21: 5 D1 A2 4 (2)
 H22: 5 D1 A2 4 (2)
 H24: 5 D1 A2 4 (2)
 H26: 5 D1 A2 4 (2)
 H29: 5 D1 A2 4 (2)
 H33: 5 D1 A2 4 hydrocarbons, LMW-water
 H34: 3 E1 A2 4 hydrocarbons, HMW-dissolved & particula

Meteorology:

M06: 11 A1 A2 4

Pollution:

P01: 10 C1 A2 4 suspended clay mineralogy

Reference Number:

R391589

Expedition/Project:

BLM-STOCSMS (1)

Cruise Number or Name:

BLM-47-December water column

Ship or Platform:

R/V Longhorn (WZL-3621)

Platform Type:

01

Country:

USA

Organization:

University of Texas Marine Science
 Port Aransas Marine Lab
 Port Aransas, TX 78373

Declared National Program?

yes

Exchange Restricted?

no

Co-operative program?

yes

Name:

BLM-STOCS

Co-ordinated Internationally?

no

Chief Scientist:

Graig W Griffin

Whom to Query:

A1: Craig W Griffin
 University of Texas Marine Sciences Laboratory
 A2: NODC
 B1: Dr Ned Smith

University of Texas Marine Sciences Laboratory
 C1: Dr Richard Rezak
 Texas A&M University
 D1: Dr William Sackett
 Texas A&M University
 E1: Dr Patrick Parker
 University of Texas Marine Sciences Laboratory
 F1: Dr Chase Van Baalen
 University of Texas Marine Sciences Laboratory
 G1: Dr Dan Kamykowski
 University of Texas Marine Sciences Laboratory
 H1: Dr E T Park
 Texas A&M University
 I1: Dr Warren Pulich
 University of Texas Marine Sciences Laboratory
 J1: Dr R E Casey
 Rice University
 K1: Dr B J Presley
 Texas A&M University
 L1: Dr C S Giam
 Texas A&M University

Date from: 01 12 76
 Date to: 02 12 76
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04
 Federal Support: BLM
 Remarks: (1) Bureau of Land Management-South Texas Outer Continental Shelf Monitoring Study
 (2) All samples from same niskin bottle.
 (3) Dissolved and particulate.
 (4) Hydrocarbon and tracemetals - 40 individuals per cruise
 L1 Dr Giam analyzes hydrocarbons and
 K1 Dr Presley analyzes tracemetals.

Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS
 Index 10 x 10 & 1 x 1: 7209 76

Biology:

B02:	3 F1 A2 4	chlorophyll a (2)
B08:	3 G1 A2 4	taxonomy (2)
B09:	3 H1 A2 4	taxonomy
B11:	X K1 A2 4	trace metals (4)
B11:	X L1 A2 4	hydrocarbons (4)
B33:	3 E1 A2 4	zooplankton
B35:	3 I1 A2 4	(2)
B40:	X K1 A2 4	trace metals-zooplankton
B59:	5 J1 A2 4	shelled microzooplankton

Hydrography:

H03:	11 B1 A2 4	(2)
H04:	11 B1 A2 4	(2)
H07:	11 B1 A2 4	(2)
H08:	11 B1 A2 4	(2)
H10:	11 B1 A2 4	
H17:	X C1 A2 4	transmissometry profiles
H21:	5 D1 A2 4	(2)
H22:	5 D1 A2 4	(2)
H24:	5 D1 A2 4	(2)
H26:	5 D1 A2 4	(2)

H29: 5 D1 A2 4 (2)
 H33: 5 D1 A2 4 hydrocarbons, LMW-water
 H34: 3 E1 A2 4 hydrocarbons, HMW-dissolved & particula
 Meteorology: M06: 11 A1 A2 4
 Pollution: P01: X C1 A2 4 suspended clay mineralogy

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Reference Number: R391590
 Expedition/Project: BLM-STOCSMS (1)
 Cruise Number or Name: BLM-46-November benthos
 Ship or Platform: R/V Longhorn (WZL-3621)
 Platform Type: 01
 Country: USA
 Organization: University of Texas Marine Science
 Port Aransas Marine Lab
 Port Aransas, TX 78373

Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? yes
 Name: BLM-STOCS
 Co-ordinated Internationally? no
 Chief Scientist: Craig W Griffin
 Whom to Query: A1: Craig W Griffin
 University of Texas Marine Sciences Laboratory

A2: NODC
 B1: Dr J S Holland
 University of Texas Marine Sciences Laboratory
 C1: Henry Berryhill
 USGS
 D1: Dr P L Parker
 University of Texas Marine Sciences Laboratory
 E1: Dr R Rezak
 Texas A&M University
 F1: Dr E W Behrens
 University of Texas Marine Sciences Laboratory
 G1: Dr L H Pequegnat
 Texas A&M University
 H1: Dr C S Giam
 Texas A&M University
 I1: Dr B J Presley
 Texas A&M University
 J1: Dr W E Pequegnat
 Texas A&M University
 K1: Dr R E Casey
 Rice University
 L1: Dr D E Wohlschlag
 University of Texas Marine Sciences Laboratory

Date from: 15 11 76
 Date to: 20 11 76
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04
 Federal Support: BLM

Remarks: (1) Bureau of Land Management-South Texas Outer Continental Shelf Monitoring Study
 (2) E1 Dr Rezak analyzes samples from topographic highs and

- F1 Dr Behrens analyzes all other samples.
 (3) Hydrocarbon & tracemetals - 40 individuals per cruise
 H1 Dr Giam analyzes hydrocarbons and
 I1 Dr Presley analyzes tracemetals.
 (4) B1 Dr Holland analyzes macroinfauna,
 J1 Dr W E Pequegnat analyzes meiofauna and
 K1 Dr Casey analyzes shelled benthos.
 (5) Fish and invertebrates, B1 Dr Holland analyzing
 invertebrates and L1 Dr Wohlschlag analyzing fish.

Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS
 Index 10 x 10 & 1 x 1: 7209 76

Biology: B10: 3 G1 A2 4
 B11: X H1 A2 4 hydrocarbons (3)
 B11: X I1 A2 4 trace metals (3)
 B18: 10 B1 A2 4 macroinfauna (4)
 B18: 10 J1 A2 4 meiofauna (4)
 B18: 10 K1 A2 4 shelled microbenthos (4)
 B33: X D1 A2 4 hydrocarbons-sediments
 B33: X H1 A2 4 epifauna (3)
 B33: X I1 A2 4 epifauna (3)
 B40: X C1 A2 4 trace metals-sediments
 B40: X I1 A2 4 trace metals-epifauna
 B59: 6 B1 A2 4 epifauna-invertebrates (5)
 B59: 6 L1 A2 4 epifauna-fish (5)
 Geology/Geophysics: G31: 10 E1 A2 4 texture-topographic highs(2)
 G31: 10 F1 A2 4 texture (2)
 Hydrography: H03: 10 B1 A2 4
 H04: X B1 A2 4
 H07: 10 B1 A2 4
 H08: 10 B1 A2 4
 Meteorology: M06: 10 A1 A2 4

 Reference Number: R391591
 Expedition/Project: BLM-STDCSMS (1)
 Cruise Number or Name: BLM-48-December histopathology
 Ship or Platform: R/V Longhorn (W2L-3621)
 Platform Type: 01
 Country: USA
 Organization: University of Texas
 Marine Science Laboratory
 Port Aransas, TX 78373
 Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? yes
 Name: BLM-STDCSMS (1)
 Co-ordinated Internationally? no
 Chief Scientist: Craig W Griffin
 Whom to Query: A1: Craig W Griffin
 University of Texas Marine Sciences Laboratory
 B1: Dr W E Haensly
 Texas A&M University
 C1: Dr J M Neff
 Texas A&M University
 D1: Dr S A Ramirez

University Texas at San Antonio
 Date from: 03 12 76
 Date to: 04 12 76
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04
 Federal Support: BLM
 Remarks: (1) Bureau of Land Management-South Texas Outer Continental Shelf Monitoring Study
 (2) B1 Dr Haensly studies the Histopathology of marine fishes, C1 Dr Neff studies the histopathology of marine invertebrates. D1 Dr Ramirez project is entitled "Chromosomal Survey and Comparison Survey of Reproductive Tissue changes as part of histopathological survey of macroepifauna and demersal fishes."

Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS
 Index 10 x 10 & 1 x 1: 7209 76

Biology: B62: 4 B1 A2 4 histopathology-fishes (2)
 B62: 4 C1 A2 4 histopathology-invertebrates (2)
 B62: 4 D1 A2 4 histopathology (2)
 Meteorology: M06: 4 A1 A2 4

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Reference Number: R391592
 Expedition/Project: BLM-STOCSMS (1)
 Cruise Number or Name: BLM-49-December benthos
 Ship or Platform: R/V Longhorn (W2L-3621)
 Platform Type: 01
 Country: USA
 Organization: University of Texas Marine Science
 Port Aransas Marine Lab
 Port Aransas, TX 78373

Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? yes
 Name: BLM-STOCS

Co-ordinated Internationally? no
 Chief Scientist: Craig W Griffin
 Whom to Query: A1: Craig W Griffin
 University of Texas Marine Sciences Laboratory
 A2: NODC
 B1: Dr J S Holland
 University of Texas Marine Sciences Laboratory
 C1: Henry Berryhill
 USGS
 D1: Dr P L Parker
 University of Texas Marine Sciences Laboratory
 E1: Dr R Rezak
 Texas A&M University
 F1: Dr E W Behrens
 University of Texas Marine Sciences Laboratory
 G1: Dr L H Pequegnat
 Texas A&M University
 H1: Dr C S Giam
 Texas A&M University
 I1: Dr B J Presley

Texas A&M University
 J1: Dr W E Pequegnat
 Texas A&M University
 K1: Dr R E Casey
 Rice University
 L1: Dr D E Wohlschlag
 University of Texas Marine Sciences Laboratory

Date from: 08 12 76
 Date to: 10 12 76
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04
 Federal Support: BLM
 Remarks:

- (1) Bureau of Land Management-South Texas Outer Continental Shelf Monitoring Study
- (2) E1 Dr Rezak analyzes samples from topographic highs and F1 Dr Behrens analyzes all other samples.
- (3) Hydrocarbon & tracemetals - 40 individuals per cruise
 H1 Dr Giam analyzes hydrocarbons and
 I1 Dr Presley analyzes tracemetals.
- (4) B1 Dr Holland analyzes macroinfauna,
 J1 Dr W E Pequegnat analyzes meiofauna and
 K1 Dr Casey analyzes shelled benthos.
- (5) Fish and invertebrates, B1 Dr Holland analyzing invertebrates and L1 Dr Wohlschlag analyzing fish.

Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS
 Index 10 x 10 & 1 x 1: 7209 76

Biology:	B10:	3 G1 A2 4	
	B11:	2 H1 A2 4	hydrocarbons (3)
	B11:	2 I1 A2 4	trace metals (3)
	B18:	10 B1 A2 4	macroinfauna (4)
	B18:	10 J1 A2 4	meiofauna (4)
	B18:	10 K1 A2 4	shelled microbenthos (4)
	B33:	X D1 A2 4	hydrocarbons-sediments
	B33:	X H1 A2 4	epifauna (3)
	B33:	X I1 A2 4	epifauna (3)
	B40:	X C1 A2 4	trace metals-sediments
	B40:	X I1 A2 4	trace metals-epifauna
	B59:	6 B1 A2 4	epifauna-invertebrates (5)
	B59:	6 L1 A2 4	epifauna-fish (5)
Geology/Geophysics:	G31:	10 E1 A2 4	texture-topographic highs(2)
	G31:	10 F1 A2 4	texture (2)
Hydrography:	H03:	10 B1 A2 4	
	H04:	X B1 A2 4	
	H07:	10 B1 A2 4	
	H08:	10 B1 A2 4	
Meteorology:	M06:	10 A1 A2 4	

 Reference Number: R391593
 Expedition/Project: BLM-STDCSMS (1)
 Cruise Number or Name: BLM-36-August histopathology
 Ship or Platform: R/V Longhorn (WZL-3621)
 Platform Type: 01
 Country: USA
 Organization: University of Texas

Marine Science Laboratory
Port Aransas, TX 78373

Declared National Program?
Exchange Restricted?
Co-operative program?

yes
no
yes

Name:
Co-ordinated Internationally?
Chief Scientist:
Whom to Query:

BLM-STOCSMS (1)
no
Craig W Griffin
A1: Craig W Griffin
University of Texas Marine Sciences Laboratory
B1: Dr W E Haensly
Texas A&M University
C1: Dr J M Neff
Texas A&M University
D1: Dr S A Ramirez
University Texas at San Antonio

Date from:
Date to:
General Ocean Areas:
Type(s) of Marine Zone(s):
Federal Support:
Remarks:

12 08 76
13 08 76
26
04
BLM
(1) Bureau of Land Management-South Texas Outer Continental Shelf Monitoring Study
(2) B1 Dr Haensly studies the Histopathology of marine fishes, C1 Dr Neff studies the histopathology of marine invertebrates. D1 Dr Ramirez project is entitled "Chromosomal Survey and Comparison Survey of Reproductive Tissue changes as part of histopathological survey of macroepifauna and demersal fishes."

Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS
Index 10 x 10 & 1 x 1: 7209 76

Biology: B62: 4 B1 A2 4 histopathology-fishes (2)
B62: 4 C1 A2 4 histopathology-invertebrates (2)
B62: 4 D1 A2 4 histopathology (2)
Meteorology: M06: 4 A1 A2 4

Reference Number: R391640
Expedition/Project: South Texas OCS Project
Cruise Number or Name: Ida Green No 22
Ship or Platform: R/V Ida Green
Platform Type: 01
Country: USA
Organization: US Geological Survey
Marine Geology

Declared National Program?
Exchange Restricted?
Co-operative program?
Name:
Co-ordinated Internationally?
Chief Scientist:
Whom to Query:

yes
yes
yes
BLM
no
Gerald L Shideler
A1: Henry L Berryhill, Jr
B1: Gerald L Shideler

Date from:
Date to:

29 10 76
03 11 76

General Ocean Areas: 26
Type(s) of Marine Zone(s): 07
Federal Support: BLM
Remarks: Data Acquired
 1. Vertical transmissivity-temperature profiles of the water column at 26 stations.
 2. Three water-column samples (Surface, Mid-Depth, Bottom) at each of 26 stations.
 3. A total of 312 Drifter Bottle Casts.

Discipline & Type of Measurements: D
Index 10 x 10 & 1 x 1: 7209
Dynamics: D05: 312

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Reference Number: R391817
Expedition/P. oject: A biological and geological investigation of selected topographic features on the Texas Continental Shelf, BLM Contract Number AA550-CT6-18-(551)

Cruise Number or Name: 76-68-Leg II
Ship or Platform: R/V Gyre (Texas A&M University)
Platform Type:
Country: USA
Organization: Texas A&M University
Declared National Program? no
Exchange Restricted? no
Co-operative program? no
Co-ordinated Internationally? no

Chief Scientist: Dr Thomas Bright
Whom to Query: A1: Dr T J Bright
 Department of Oceanography, Texas A&M University
 A2: BLM
 B1: Dr Richard Rezak
 Department of Oceanography, Texas A&M University
 C1: David Barrows
 Department of Oceanography, Texas A&M University

Date from: 26 08 76
Date to: 07 09 76

General Ocean Areas: 26
Type(s) of Marine Zone(s): 07
Federal Support: BLM

Discipline & Type of Measurements: B HP G
Index 10 x 10 & 1 x 1: 7209 73 83 84

Biology: B53: 14 8 9
 B55: 14 8 9
Geology/Geophysics: G02: 30 9
 G04: 3 9
 G05: 19 9
 G06: 14 9
Hydrography: H09: 16
 H10: 48
 H16: 48
Pollution: P13: 4 9

Reference Number: R391818
Expedition/Project: A biological and geological investigation of selected topographic features on the Texas Continental Shelf, BLM Contract Number AA550-CT6-18-(551)
Cruise Number or Name: 76-GB-III
Ship or Platform: R/V Gyre (Texas A&M University)
Platform Type:
Country: USA
Organization: Texas A&M University
Declared National Program? no
Exchange Restricted? no
Co-operative program? no
Co-ordinated Internationally? no
Chief Scientist: Dr Thomas Bright
Whom to Query: A1: Dr T J Bright

Department of Oceanography, Texas A&M University
A2: BLM
B1: Dr Richard Rezak
Department of Oceanography, Texas A&M University
C1: David Barrows
Department of Oceanography, Texas A&M University

Date from: 10 09 76
Date to: 26 09 76
General Ocean Areas: 26
Type(s) of Marine Zone(s): 07
Federal Support: BLM
Discipline & Type of Measurements: B HP G
Index 10 x 10 & 1 x 1: 7209 66 76 85
Biology: B53: 16 8 9
B55: 16 8 9
Geology/Geophysics: G06: 16 9
Hydrography: H09: 36
H10: 34
H16: 34

Reference Number: R392019
Expedition/Project: South Texas OCS Environmental Assessment
Cruise Number or Name: 01
Ship or Platform: M/V Decca Profiler
Platform Type: 01
Country: USA
Organization: US Geological Survey
Declared National Program? no
Exchange Restricted? yes
Co-operative program? no
Co-ordinated Internationally? no
Chief Scientist: Gerald Shideler
Whom to Query: A1: Gerald Shideler

USGS, Corpus Christi, TX
A2: NESDC
B2: USGS, Corpus Christi, TX

Date from: 17 03 77

Date to: 21 03 77
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 07
 Federal Support: USGS, BLM
 Remarks: Study of Suspended sediment - sediment transport system on South Texas OCS

Discipline & Type of Measurements: HB HP P
 Index 10 x 10 & 1 x 1: 7209

H05: 26 A1 B1 3
 H16: 26 A1 B1 3 transmissometry
 P01: 78 A1 B2 9

Pollution:

Reference Number: R392074
 Expedition/Project: BLM-STOCS
 Cruise Number or Name: BLM-51-Winter water column I
 Ship or Platform: R/V Longhorn (WZL-3621)
 Platform Type: 01
 Country: USA
 Organization: University of Texas Marine Science
 Port Aransas Marine Lab
 Port Aransas, TX 78373

Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? yes
 Name: BLM-STOCS
 Co-ordinated Internationally? no
 Chief Scientist: Craig Griffin
 Whom to Query: A1: Program Manager-NLM-STOCS, UTMSI/PAML
 or Contractor's Area Representative
 BLM
 New Orleans OCS Office
 Hale Boggs Federal Building, Suite 841
 New Orleans, LA 70130

A2: NODC

Date from: 11 01 77
 Date to: 12 01 77
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04
 Federal Support: BLM
 Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS
 Index 10 x 10 & 1 x 1: 7209

Biology:

B01:	2 A1 A2 4	C14 uptake
B02:	2 A1 A2 4	chlorophyll a
B07:	X A1 A2 4	
B08:	2 A1 A2 4	
B09:	X A1 A2 4	taxonomy, hydrocarbons, & trace metals
B10:	X A1 A2 4	
B11:	X A1 A2	trace metals & hydrocarbons
B16:	X A1 A2 4	
B18:	X A1 A2 4	taxonomy-macroinfauna & meiofauna
B30:	1 A1 A2 4	fluorescence
B33:	X A1 A2 4	epifauna
B40:	X A1 A2 4	trace metals-epifauna
B59:	X A1 A2 4	epifauna

Dynamics:	B62:	X A1 A2 4	
	D01:	X A1 A2 4	
	D02:	1 mon 4	
	D10:	5 A1 A2 4	
Geology/Geophysics:	G31:	X A1 A2 4	sediment texture
	G32:	X A1 A2 4	TOC & C13-sediments
	G32:	X A1 A2 4	hydrocarbons & trace metals-sediments
Hydrography:	H03:	5 A1 A2 4	
	H04:	5 A1 A2 4	
	H07:	5 A1 A2 4	
	H08:	5 A1 A2 4	
	H10:	5 A1 A2 4	
	H16:	5 A1 A2 4	photic zone determination
	H17:	X A1 A2 4	transmissometry
	H21:	3 A1 A2 4	
	H22:	3 A1 A2 4	
	H24:	3 A1 A2 4	
	H26:	3 A1 A2 4	
	H29:	3 A1 A2 4	
	H30:	1 A1 A2 4	particulate
	H33:	2 A1 A2 4	hydrocarbons, LMW
	H34:	2 A1 A2 4	hydrocarbons, HMW-dissolved & particula
Meteorology:	M06:	5 A1 A2 4	
Pollution:	P01:	X A1 A2 4	

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Reference Number:	R392075
Expedition/Project:	BLM-STOCS
Cruise Number or Name:	BLM-53-Winter water column II
Ship or Platform:	R/V Longhorn (WZL-3621)
Platform Type:	01
Country:	USA
Organization:	University of Texas Marine Science Port Aransas Marine Lab Port Aransas, TX 78373
Declared National Program?	yes
Exchange Restricted?	no
Co-operative program?	yes
Name:	BLM-STOCS
Co-ordinated Internationally?	no
Chief Scientist:	Craig Griffin
Whom to Query:	A1: Program Manager-NLM-STOCS, UTMSI/PAML or Contractor's Area Representative BLM New Orleans OCS Office Hale Boggs Federal Building, Suite 841 New Orleans, LA 70130
	A2: NODC
Date from:	17 01 77
Date to:	22 01 77
General Ocean Areas:	26
Type(s) of Marine Zone(s):	04
Federal Support:	BLM
Discipline & Type of Measurements:	GL GU GS D M HS HB HP HC P B BS
Index 10 x 10 & 1 x 1:	7209

Biology:	B01:	8 A1 A2 4	C14 uptake
	B02:	8 A1 A2 4	chlorophyll a
	B07:	X A1 A2 4	
	B08:	8 A1 A2 4	
	B09:	8 A1 A2 4	taxonomy, hydrocarbons, & trace metals
	B10:	X A1 A2 4	
	B11:	X A1 A2	trace metals & hydrocarbons
	B16:	X A1 A2 4	
	B18:	X A1 A2 4	taxonomy-macroinfauna & meiofauna
	B30:	1 A1 A2 4	fluorescence
	B33:	X A1 A2 4	epifauna
	B40:	X A1 A2 4	trace metals-epifauna
	B59:	X A1 A2 4	epifauna
	B62:	Y A1 A2 4	
Dynamics:	D01:	X A1 A2 4	
	D02:	1 mon	
	D10:	20 A1 A2 4	
Geology/Geophysics:	G31:	X A1 A2 4	sediment texture
	G32:	X A1 A2 4	TOC & C13-sediments
	G32:	X A1 A2 4	hydrocarbons & trace metals-sediments
Hydrography:	H03:	20 A1 A2 4	
	H04:	20 A1 A2 4	
	H07:	20 A1 A2 4	
	H08:	20 A1 A2 4	
	H10:	20 A1 A2 4	
	H16:	8 A1 A2 4	photic zone determination
	H17:	X A1 A2 4	transmissometry
	H21:	8 A1 A2 4	
	H22:	8 A1 A2 4	
	H24:	8 A1 A2 4	
	H26:	8 A1 A2 4	
	H29:	8 A1 A2 4	
	H30:	7 A1 A2 4	particulate
	H33:	8 A1 A2 4	hydrocarbons, LMW
	H34:	9 A1 A2 4	hydrocarbons, HMW-dissolved & particula
Meteorology:	M06:	20 A1 A2 4	
Pollution:	P01:	X A1 A2 4	

Reference Number:	R392076
Expedition/Project:	BLM-STOCS
Cruise Number or Name:	BLM-54-Winter benthos I
Ship or Platform:	R/V Longhorn (WZL-3621)
Platform Type:	01
Country:	USA
Organization:	University of Texas Marine Science Port Aransas Marine Lab Port Aransas, TX 78373
Declared National Program?	yes
Exchange Restricted?	no
Co-operative program?	yes
Name:	BLM-STOCS
Co-ordinated Internationally?	no
Chief Scientist:	Craig Griffin
Whom to Query:	A1: Program Manager-NLM-STOCS, UTMSI/PAML

or Contractor's Area Representative
 BLM
 New Orleans OCS Office
 Hale Boggs Federal Building, Suite 841
 New Orleans, LA 70130

A2: NODC

Date from: 27 01 77
 Date to: 03 02 77
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04
 Federal Support: BLM
 Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS
 Index 10 x 10 & 1 x 1: 7209

Biogeo:	B01:	X A1 A2 4	C14 uptake
	B02:	X A1 A2 4	chlorophyll a
	B07:	X A1 A2 4	
	B08:	X A1 A2 4	
	B09:	X A1 A2 4	taxonomy, hydrocarbons, & trace metals
	B10:	X A1 A2 4	
	B11:	X A1 A2	trace metals & hydrocarbons
	B16:	X A1 A2 4	
	B18:	11 A1 A2 4	taxonomy-macroinfauna & meiofauna
	B30:	X A1 A2 4	fluorescence
	B33:	X A1 A2 4	LMW-dissolved & particulate
	B33:	5 A1 A2 4	epifauna
	B40:	5 A1 A2 4	trace metals-epifauna
	B59:	11 A1 A2 4	epifauna
	B62:	X A1 A2 4	
Dynamics:	D01:	X A1 A2 4	
	D02:	1 mon	
	D10:	X A1 A2 4	
Geology/Geophysics:	G31:	11 A1 A2 4	texture
	G32:	11 A1 A2 4	TOC & C13-sediments
	G32:	1 A1 A2 4	hydrocarbons & trace metals-sediments
Hydrography:	H03:	X A1 A2 4	
	H04:	X A1 A2 4	
	H07:	1 A1 A2 4	
	H08:	1 A1 A2 4	
	H10:	X A1 A2 4	
	H16:	X A1 A2 4	photic zone determination
	H17:	X A1 A2 4	transmissometry
	H21:	X A1 A2 4	
	H22:	X A1 A2 4	
	H24:	X A1 A2 4	
	H26:	X A1 A2 4	
	H29:	X A1 A2 4	
	H30:	X A1 A2 4	particulate
	H33:	X A1 A2 4	hydrocarbons, LMW
Meteorology:	M06:	11 A1 A2 4	
Pollution:	P01:	X A1 A2 4	

 Reference Number: R392077
 Expedition/Project: BLM-STOCS
 Cruise Number or Name: BLM-55-Winter benthos II

Ship or Platform: R/V Longhorn (W2L-3621)
 Platform Type: 01
 Country: USA
 Organization: University of Texas Marine Science
 Port Aransas Marine Lab
 Port Aransas, TX 78373

Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? yes
 Name: BLM-STOCS
 Co-ordinated Internationally? no
 Chief Scientist: Craig W Griffin
 Whom to Query: A1: Program Manager-NLM-STOCS, UTMSI/PAML
 or Contractor's Area Representative
 BLM
 New Orleans OCS Office
 Hale Boggs Federal Building, Suite 841
 New Orleans, LA 70130
 A2: NODC

Date from: 09 02 77
 Date to: 15 02 77
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04
 Federal Support: BLM
 Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS
 Index 10 x 10 & 1 x 1: 7209

Biology:
 B01: X A1 A2 4 C14 uptake
 B02: X A1 A2 4 chlorophyll a
 B07: X A1 A2 4
 B08: X A1 A2 4
 B09: X A1 A2 4 taxonomy, hydrocarbons, & trace metals
 B10: X A1 A2 4
 B11: 2 A1 A2 4 trace metals & hydrocarbons
 B16: X A1 A2 4
 B18: 16 A1 A2 4 taxonomy-macroinfauna & meiofauna
 B30: X A1 A2 4 fluorescence
 B33: X A1 A2 4 HMW-dissolved & particulate
 B33: 6 A1 A2 4 epifauna
 B40: 6 A1 A2 4 trace metals-epifauna
 B59: 12 A1 A2 4 epifauna
 B62: X A1 A2 4

Dynamics:
 D01: X A1 A2 4
 D02: 1 mon
 D10: 16 A1 A2 4

Geology/Geophysics:
 G31: 16 A1 A2 4 texture
 G32: 16 A1 A2 4 TOC & C13-sediments
 G32: 3 A1 A2 4 hydrocarbons & trace metals-sediments

Hydrography:
 H03: X A1 A2 4
 H04: X A1 A2 4
 H07: 16 A1 A2 4
 H08: 16 A1 A2 4
 H10: X A1 A2 4
 H16: X A1 A2 4 photic zone determination
 H17: X A1 A2 4 transmissometry

H21: X A1 A2 4
 H22: X A1 A2 4
 H24: X A1 A2 4
 H26: X A1 A2 4
 H29: X A1 A2 4
 H30: X A1 A2 4 particulate
 H33: X A1 A2 4 hydrocarbons, LMW
 Meteorology: M06: 16 A1 A2 4
 Pollution: P01: X A1 A2 4

Reference Number: R392078
 Expedition/Project: BLM-STOCS
 Cruise Number or Name: BLM-56-Microbiology/histopathology
 Ship or Platform: R/V Longhorn (WZL-3621)
 Platform Type: C1
 Country: USA
 Organization: University of Texas Marine Science
 Port Aransas Marine Lab
 Port Aransas, TX 78373

 Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? yes
 Name: BLM-STOCS
 Co-ordinated Internationally? no
 Chief Scientist: Craig Griffin
 Whom to Query: A1: Program Manager-NLM-STOCS, UTMSI/PAML
 or Contractor's Area Representative
 BLM
 New Orleans DCS Office
 Hale Boggs Federal Building, Suite 841
 New Orleans, LA 70130
 A2: NODC

 Date from: 17 02 77
 Date to: 18 02 77
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04
 Federal Support: BLM
 Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS
 Index 10 x 10 & 1 x 1: 7209
 Biology: B01: X A1 A2 4 C14 uptake
 B02: X A1 A2 4 chlorophyll a
 B07: 3 A1 A2 4
 B08: X A1 A2 4
 B09: X A1 A2 4 taxonomy, hydrocarbons, & trace metals
 B10: X A1 A2 4
 B11: X A1 A2 4 trace metals & hydrocarbons
 B16: X A1 A2 4
 B18: X A1 A2 4 taxonomy-macroinfauna & meiofauna
 B30: X A1 A2 4 fluorescence
 B33: X A1 A2 4 epifauna
 B40: X A1 A2 4 trace metals-epifauna
 B59: X A1 A2 4 epifauna
 B62: 4 A1 A2 4
 Dynamics: D01: X A1 A2 4

D02: 1 mon

Geology/Geophysics: D10: X A1 A2 4
 G31: X A1 A2 4 sediment texture
 G32: X A1 A2 4 TOC & C13-sediments
 G32: X A1 A2 4 hydrocarbons & trace metals-sediments

Hydrography: H03: X A1 A2 4
 H04: X A1 A2 4
 H07: X A1 A2 4
 H08: X A1 A2 4
 H10: X A1 A2 4
 H16: X A1 A2 4 photic zone determination
 H17: X A1 A2 4 transmissometry
 H21: X A1 A2 4
 H22: X A1 A2 4
 H24: X A1 A2 4
 H26: X A1 A2 4
 H29: X A1 A2 4
 H30: X A1 A2 4 particulate
 H33: X A1 A2 4 hydrocarbons, LMW
 H34: X A1 A2 4 hydrocarbons, HMW-dissolved & particula

Meteorology: M06: 3 A1 A2 4

Pollution: P01: X A1 A2 4

Reference Number: R392079
 Expedition/Project: BLM-STOCS
 Cruise Number or Name: BLM-57-Winter water column III
 Ship or Platform: R/V Longhorn (WZL-3621)
 Platform Type: 01
 Country: USA
 Organization: University of Texas Marine Science
 Port Aransas Marine Lab
 Port Aransas, TX 78373

Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? yes
 Name: BLM-STOCS
 Co-ordinated Internationally? no
 Chief Scientist: Craig Griffin
 Whom to Query: A1: Program Manager-NLM-STOCS, UTMSI/PAML
 or Contractor's Area Representative
 BLM
 New Orleans OCS Office
 Hale Boggs Federal Building, Suite 841
 New Orleans, LA 70130
 A2: NODC

Date from: 21 02 77
 Date to: 22 02 77
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04
 Federal Support: BLM
 Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS
 Index 10 x 10 & 1 x 1: 7209

Biology: B01: 2 A1 A2 4 C14 uptake
 B02: 2 A1 A2 4 chlorophyll a

	B07:	X A1 A2 4	
	B08:	2 A1 A2 4	
	B09:	2 A1 A2 4	taxonomy, hydrocarbons, & trace metals
	B10:	2 A1 A2 4	
	B11:	1 A1 A2 4	trace metals & hydrocarbons
	B16:	X A1 A2 4	
	B18:	X A1 A2 4	taxonomy-macroinfauna & meiofauna
	B30:	X A1 A2 4	fluorescence
	B33:	X A1 A2 4	epifauna
	B40:	X A1 A2 4	trace metals-epifauna
	B59:	X A1 A2 4	epifauna
	B62:	X A1 A2 4	
Dynamics:	D01:	X A1 A2 4	
	D02:	1 mon	
	D10:	10 A1 A2 4	
Geology/Geophysics:	G31:	X A1 A2 4	sediment texture
	G32:	X A1 A2 4	TOC & C13-sediments
	G32:	X A1 A2 4	hydrocarbons & trace metals-sediments
Hydrography:	H03:	10 A1 A2 4	
	H04:	10 A1 A2 4	
	H07:	10 A1 A2 4	
	H08:	10 A1 A2 4	
	H10:	10 A1 A2 4	
	H16:	3 A1 A2 4	photic zone determination
	H17:	X A1 A2 4	transmissometry
	H21:	2 A1 A2 4	
	H22:	2 A1 A2 4	
	H24:	2 A1 A2 4	
	H26:	2 A1 A2 4	
	H29:	2 A1 A2 4	
	H30:	2 A1 A2 4	particulate
	H33:	3 A1 A2 4	hydrocarbons, LMW
	H34:	2 A1 A2 4	hydrocarbons, HMW-dissolved & particula
Meteorology:	M06:	10 A1 A2 4	
Pollution:	P01:	X A1 A2 4	

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Reference Number:      R392080
Expedition/Project:   BLM-STOCS
Cruise Number or Name: BLM-60-Benthic microbiology/benthos makeup
Ship or Platform:     R/V Longhorn (WZL-3621)
Platform Type:        01
Country:              USA
Organization:         University of Texas Marine Science
                       Port Aransas Marine Lab
                       Port Aransas, TX 78373

Declared National Program?  yes
Exchange Restricted?        no
Co-operative program?      yes
  Name:                     BLM-STOCS
Co-ordinated Internationally? no
Chief Scientist:          Craig Griffin
Whom to Query:           A1: Program Manager-NLM-STOCS, UTMSI/PAML
                           or Contractor's Area Representative
                           BLM

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New Orleans OCS Office
 Hale Boggs Federal Building, Suite 841
 New Orleans, LA 70130

A2: NODC

Date from: 04 03 77
 Date to: 08 03 77
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04
 Federal Support: BLM
 Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS
 Index 10 x 10 & 1 x 1: 7209

Biology:	B01:	X A1 A2 4	C14 uptake
	B02:	X A1 A2 4	chlorophyll a
	B07:	X A1 A2 4	
	B08:	X A1 A2 4	
	B09:	X A1 A2 4	taxonomy, hydrocarbons, & trace metals
	B10:	X A1 A2 4	
	B11:	X A1 A2 4	trace metals & hydrocarbons
	B16:	12 A1 A2 4	
	B18:	2 A1 A2 4	taxonomy-macroinfauna & meiofauna
	B30:	X A1 A2 4	fluorescence
	B33:	X A1 A2 4	HMW-dissolved & particulate
	B33:	1 A1 A2 4	epifauna
	B40:	1 A1 A2 4	trace metals-epifauna
	B59:	2 A1 A2 4	epifauna
	B62:	X A1 A2 4	
Dynamics:	D01:	X A1 A2 4	
	D02:	1 mon	
	D10:	13 A1 A2 4	
Geology/Geophysics:	G31:	13 A1 A2 4	texture
	G32:	2 A1 A2 4	TOC & C13-sediments
	G32:	X A1 A2 4	hydrocarbons & trace metals-sediments
Hydrography:	H03:	X A1 A2 4	
	H04:	X A1 A2 4	
	H07:	1 A1 A2 4	
	H08:	1 A1 A2 4	
	H10:	X A1 A2 4	
	H16:	X A1 A2 4	photic zone determination
	H17:	X A1 A2 4	transmissometry
	H21:	X A1 A2 4	
	H22:	X A1 A2 4	
	H24:	X A1 A2 4	
	H26:	X A1 A2 4	
	H29:	X A1 A2 4	
	H30:	X A1 A2 4	particulate
	H33:	X A1 A2 4	hydrocarbons, LMW
Meteorology:	M06:	13 A1 A2 4	
Pollution:	P01:	X A1 A2 4	

 Reference Number: R3920B1
 Expedition/Project: BLM-STOCS
 Cruise Number or Name: BLM-61-Histopathology
 Ship or Platform: R/V Longhorn (WZL-3621)
 Platform Type: 01

Country: USA
Organization: University of Texas Marine Science
 Port Aransas Marine Lab
 Port Aransas, TX 78373

Declared National Program? yes
Exchange Restricted? no
Co-operative program? yes
Name: BLM-STOCS
Co-ordinated Internationally? no
Chief Scientist: Craig Griffin
Whom to Query: A1: Program Manager-NLM-STOCS, UTMSI/PAML
 or Contractor's Area Representative
 BLM
 New Orleans OCS Office
 Hale Boggs Federal Building, Suite 841
 New Orleans, LA 70130
 A2: NODC

Date from: 10 03 77
Date to: 11 03 77
General Ocean Areas: 26
Type(s) of Marine Zone(s): 04
Federal Support: BLM
Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS
Index 10 x 10 & 1 x 1: 7209

Biology:

B01:	X A1 A2 4	C14 uptake
B02:	X A1 A2 4	chlorophyll a
B07:	X A1 A2 4	
B08:	X A1 A2 4	
B09:	X A1 A2 4	taxonomy, hydrocarbons, & trace metals
B10:	X A1 A2 4	
B11:	X A1 A2 4	trace metals & hydrocarbons
B16:	X A1 A2 4	
B18:	X A1 A2 4	taxonomy-macroinfauna & meiofauna
B30:	X A1 A2 4	fluorescence
B33:	X A1 A2 4	epifauna
B40:	X A1 A2 4	trace metals-epifauna
B59:	3 A1 A2 4	epifauna
B62:	3 A1 A2 4	

Dynamics:

D01:	X A1 A2 4	
D02:	1 mon	
D10:	3 A1 A2 4	

Geology/Geophysics:

G31:	X A1 A2 4	sediment texture
G32:	X A1 A2 4	TDC & C13-sediments
G32:	X A1 A2 4	hydrocarbons & trace metals-sediments

Hydrography:

H03:	X A1 A2 4	
H04:	X A1 A2 4	
H07:	X A1 A2 4	
H08:	X A1 A2 4	
H10:	X A1 A2 4	
H16:	X A1 A2 4	photic zone determination
H17:	X A1 A2 4	transmissometry
H21:	X A1 A2 4	
H22:	X A1 A2 4	
H24:	X A1 A2 4	

H26: X A1 A2 4
 H29: X A1 A2 4
 H30: X A1 A2 4 particulate
 H33: X A1 A2 4 hydrocarbons, LMW
 H34: X A1 A2 4 hydrocarbons, HMW-dissolved & particula
 Meteorology: M06: 3 A1 A2 4
 Pollution: P01: X A1 A2 4

Reference Number: R392082
 Expedition/Project: BLM-STOCS
 Cruise Number or Name: BLM-62-March water column
 Ship or Platform: R/V Longhorn (WZL-3621)
 Platform Type: 01
 Country: USA
 Organization: University of Texas Marine Science
 Port Aransas Marine Lab
 Port Aransas, TX 78373
 Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? yes
 Name: BLM-STOCS
 Co-ordinated Internationally? no
 Chief Scientist: Craig Griffin
 Whom to Query: A1: Program Manager-NLM-STOCS, UTMSI/PAML
 or Contractor's Area Representative
 BLM
 New Orleans OCS Office
 Hale Boggs Federal Building, Suite 841
 New Orleans, LA 70130
 A2: NODC

Date from: 14 03 77
 Date to: 15 03 77
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04
 Federal Support: BLM
 Discipline & Type of Measurements: 6L GU GS D M HS HB HP HC P B BS
 Index 10 x 10 & 1 x 1: 7209

Biology: B01: 3 A1 A2 4 C14 uptake
 B02: 3 A1 A2 4 chlorophyll a
 B07: X A1 A2 4
 B08: 3 A1 A2 4
 B09: 3 A1 A2 4 taxonomy
 B10: 3 A1 A2 4
 B11: X A1 A2 4 trace metals & hydrocarbons
 B16: X A1 A2 4
 B18: X A1 A2 4 taxonomy-macroinfauna & meiofauna
 B30: 1 A1 A2 4 fluorescence
 B33: X A1 A2 4 epifauna
 B40: X A1 A2 4 trace metals-epifauna
 B59: X A1 A2 4 epifauna
 B62: X A1 A2 4
 Dynamics: D01: X A1 A2 4
 D02: 1 mon
 D10: 7 A1 A2 4

Geology/Geophysics:	G31:	X A1 A2 4	sediment texture
	G32:	X A1 A2 4	TOC & C13-sediments
	G32:	X A1 A2 4	hydrocarbons & trace metals-sediments
Hydrography:	H03:	7 A1 A2 4	
	H04:	7 A1 A2 4	
	H07:	7 A1 A2 4	
	H08:	7 A1 A2 4	
	H10:	7 A1 A2 4	
	H16:	6 A1 A2 4	photic zone determination
	H17:	6 A1 A2 4	transmissometry
	H21:	6 A1 A2 4	
	H22:	3 A1 A2 4	
	H24:	3 A1 A2 4	
	H26:	3 A1 A2 4	
	H29:	3 A1 A2 4	
	H30:	X A1 A2 4	particulate
	H33:	3 A1 A2 4	hydrocarbons, LMW
	H34:	X A1 A2 4	hydrocarbons, HMW-dissolved & particula
Meteorology:	M06:	7 A1 A2 4	
Pollution:	P01:	X A1 A2 4	

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Reference Number:	R392083
Expedition/Project:	BLM-STOCS
Cruise Number or Name:	BLM-63-March microbiology
Ship or Platform:	R/V Longhorn (WZL-3621)
Platform Type:	01
Country:	USA
Organization:	University of Texas Marine Science Port Aransas Marine Lab Port Aransas, TX 78373
Declared National Program?	yes
Exchange Restricted?	no
Co-operative program?	yes
Name:	BLM-STOCS
Co-ordinated Internationally?	no
Chief Scientist:	Jim Ziesler
Whom to Query:	A1: Program Manager-NLM-STOCS, UTMSI/PAML or Contractor's Area Representative BLM New Orleans OCS Office Hale Boggs Federal Building, Suite 841 New Orleans, LA 70130
	A2: NDDC
Date from:	25 03 77
Date to:	25 03 77
General Ocean Areas:	26
Type(s) of Marine Zone(s):	04
Federal Support:	BLM
Discipline & Type of Measurements:	GL GU GS D M HS HB HP HC P B BS
Index 10 x 10 & 1 x 1:	7209
Biology:	B01: X A1 A2 4 C14 uptake
	B02: X A1 A2 4 chlorophyll a
	B07: 3 A1 A2 4
	B08: X A1 A2 4

	B09:	X A1 A2 4	taxonomy, hydrocarbons, & trace metals
	B10:	X A1 A2 4	
	B11:	X A1 A2 4	trace metals & hydrocarbons
	B16:	X A1 A2 4	
	B18:	X A1 A2 4	taxonomy-macroinfauna & meiofauna
	B30:	X A1 A2 4	fluorescence
	B33:	X A1 A2 4	epifauna
	B40:	X A1 A2 4	trace metals-epifauna
	B59:	X A1 A2 4	epifauna
	B62:	X A1 A2 4	
Dynamics:	D01:	1 A1 A2 4	
	D02:	1 mon	
	D10:	3 A1 A2 4	
Geology/Geophysics:	G31:	X A1 A2 4	sediment texture
	G32:	X A1 A2 4	TOC & C13-sediments
	G32:	X A1 A2 4	hydrocarbons & trace metals-sediments
Hydrography:	H03:	1 A1 A2 4	
	H04:	1 A1 A2 4	
	H07:	X A1 A2 4	
	H08:	X A1 A2 4	
	H10:	X A1 A2 4	
	H16:	X A1 A2 4	photic zone determination
	H17:	X A1 A2 4	transmissometry
	H21:	X A1 A2 4	
	H22:	X A1 A2 4	
	H24:	X A1 A2 4	
	H26:	X A1 A2 4	
	H29:	X A1 A2 4	
	H30:	X A1 A2 4	particulate
	H33:	X A1 A2 4	hydrocarbons, LMW
	H34:	X A1 A2 4	hydrocarbons, HMW-dissolved & particula
Meteorology:	M06:	3 A1 A2 4	
Pollution:	P01:	X A1 A2 4	

Reference Number:	R392084
Expedition/Project:	BLM-STOCS
Cruise Number or Name:	BLM-64-April histopathology
Ship or Platform:	R/V Longhorn (WZL-3621)
Platform Type:	01
Country:	USA
Organization:	University of Texas Marine Science Port Aransas Marine Lab Port Aransas, TX 78373
Declared National Program?	yes
Exchange Restricted?	no
Co-operative program?	yes
Name:	BLM-STOCS
Co-ordinated Internationally?	no
Chief Scientist:	Jim Ziesler
Whom to Query:	A1: Program Manager-NLM-STOCS, UTMSI/PAML or Contractor's Area Representative BLM New Orleans OCS Office Hale Boggs Federal Building, Suite B41

New Orleans, LA 70130

A2: NDDC

Date from: 17 04 77
 Date to: 18 04 77
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04
 Federal Support: BLM
 Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS
 Index 10 x 10 & 1 x 1: 7209

Biology:	B01:	X A1 A2 4	C14 uptake
	B02:	X A1 A2 4	chlorophyll a
	B07:	X A1 A2 4	
	B08:	X A1 A2 4	
	B09:	X A1 A2 4	taxonomy, hydrocarbons, & trace metals
	B10:	X A1 A2 4	
	B11:	1 A1 A2 4	trace metals & hydrocarbons
	B16:	X A1 A2 4	
	B18:	6 A1 A2 4	taxonomy-macroinfauna & meiofauna
	B30:	X A1 A2 4	fluorescence
	B33:	X A1 A2 4	epifauna
	B40:	X A1 A2 4	trace metals-epifauna
	B59:	3 A1 A2 4	epifauna
	B62:	3 A1 A2 4	
Dynamics:	D01:	X A1 A2 4	
	D02:	1 mon	
	D10:	6 A1 A2 4	
Geology/Geophysics:	G31:	6 A1 A2 4	sediment texture
	G32:	X A1 A2 4	TOC & C13-sediments
	G32:	X A1 A2 4	hydrocarbons & trace metals-sediments
Hydrography:	H03:	X A1 A2 4	
	H04:	X A1 A2 4	
	H07:	X A1 A2 4	
	H08:	X A1 A2 4	
	H10:	X A1 A2 4	
	H16:	X A1 A2 4	photic zone determination
	H17:	X A1 A2 4	transmissometry
	H21:	X A1 A2 4	
	H22:	X A1 A2 4	
	H24:	X A1 A2 4	
	H26:	X A1 A2 4	
	H29:	X A1 A2 4	
	H30:	X A1 A2 4	particulate
	H33:	X A1 A2 4	hydrocarbons, LMW
	H34:	X A1 A2 4	hydrocarbons, HMW-dissolved & particula
Meteorology:	M06:	6 A1 A2 4	
Pollution:	P01:	X A1 A2 4	

Reference Number: R392085
 Expedition/Project: BLM-STDCS
 Cruise Number or Name: BLM-65-April water column
 Ship or Platform: R/V Longhorn (WZL-3621)
 Platform Type: 01
 Country: USA
 Organization: University of Texas Marine Science

Port Aransas Marine Lab
 Port Aransas, TX 78373

Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? yes
 Name: BLM-STOCS
 Co-ordinated Internationally? no
 Chief Scientist: Jim Ziesler
 Whom to Query: A1: Program Manager-NLM-STOCS, UTMSI/PAML
 or Contractor's Area Representative
 BLM
 New Orleans OCS Office
 Hale Boggs Federal Building, Suite B41
 New Orleans, LA 70130
 A2: NODC

Date from: 20 04 77
 Date to: 21 04 77
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04
 Federal Support: BLM
 Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS
 Index 10 x 10 & 1 x 1: 7209

Biology:
 B01: 3 A1 A2 4 C14 uptake
 B02: 3 A1 A2 4 chlorophyll a
 B07: X A1 A2 4
 B08: 3 A1 A2 4
 B09: 3 A1 A2 4 taxonomy
 B10: X A1 A2 4
 B11: X A1 A2 4 trace metals & hydrocarbons
 B16: X A1 A2 4
 B18: X A1 A2 4 taxonomy-macroinfauna & meiofauna
 B30: 1 A1 A2 4 fluorescence
 B33: X A1 A2 4 epifauna
 B40: X A1 A2 4 trace metals-epifauna
 B59: X A1 A2 4 epifauna
 B62: X A1 A2 4

Dynamics:
 D01: X A1 A2 4
 D02: 1 mon

Geology/Geophysics:
 D10: X A1 A2 4
 G31: X A1 A2 4 sediment texture
 G32: X A1 A2 4 TOC & C13-sediments
 G32: X A1 A2 4 hydrocarbons & trace metals-sediments

Hydrography:
 H03: 7 A1 A2 4
 H04: 7 A1 A2 4
 H07: 7 A1 A2 4
 H08: 7 A1 A2 4
 H10: 7 A1 A2 4
 H16: 6 A1 A2 4 photic zone determination
 H17: 6 A1 A2 4 transmissometry
 H21: 6 A1 A2 4
 H22: 3 A1 A2 4
 H24: 3 A1 A2 4
 H26: 3 A1 A2 4
 H29: 3 A1 A2 4

	H30:	3 A1 A2 4	particulate
	H33:	3 A1 A2 4	hydrocarbons, LMW
	H34:	X A1 A2 4	hydrocarbons, HMW-dissolved & particula
Meteorology:	M06:	7 A1 A2 4	
Pollution:	P01:	X A1 A2 4	

Reference Number:	R392086
Expedition/Project:	BLM-STOCS
Cruise Number or Name:	BLM-66-April microbiology
Ship or Platform:	R/V Longhorn (WZL-3621)
Platform Type:	01
Country:	USA
Organization:	University of Texas Marine Science Port Aransas Marine Lab Port Aransas, TX 78373

Declared National Program?	yes
Exchange Restricted?	no
Co-operative program?	yes
Name:	BLM-STOCS
Co-ordinated Internationally?	no
Chief Scientist:	Jim Ziesler
Whom to Query:	A1: Program Manager-NLM-STOCS, UTMSI/PAML or Contractor's Area Representative BLM New Orleans OCS Office Hale Boggs Federal Building, Suite 841 New Orleans, LA 70130

	A2: NODC
Date from:	24 04 77
Date to:	25 04 77
General Ocean Areas:	26
Type(s) of Marine Zone(s):	04
Federal Support:	BLM
Discipline & Type of Measurements:	GL GU GS D M HS HB HP HC P B BS
Index 10 x 10 & 1 x 1:	7209

Biology:	B01:	X A1 A2 4	C14 uptake
	B02:	X A1 A2 4	chlorophyll a
	B07:	3 A1 A2 4	
	B08:	X A1 A2 4	
	B09:	X A1 A2 4	taxonomy, hydrocarbons, & trace metals
	B10:	X A1 A2 4	
	B11:	X A1 A2 4	trace metals & hydrocarbons
	B16:	X A1 A2 4	
	B18:	X A1 A2 4	taxonomy-macroinfauna & meiofauna
	B30:	X A1 A2 4	fluorescence
	B33:	X A1 A2 4	epifauna
	B40:	X A1 A2 4	trace metals-epifauna
	B59:	X A1 A2 4	epifauna
	B62:	X A1 A2 4	

Dynamics:	D01:	X A1 A2 4	
	D02:	1 mon	
	D10:	X A1 A2 4	

Geology/Geophysics:	G31:	X A1 A2 4	sediment texture
	G32:	X A1 A2 4	TOC & C13-sediments

Hydrography:	G32:	X A1 A2 4	hydrocarbons & trace metals-sediments
	H03:	1 A1 A2 4	
	H04:	1 A1 A2 4	
	H07:	X A1 A2 4	
	H08:	X A1 A2 4	
	H10:	X A1 A2 4	
	H16:	X A1 A2 4	photic zone determination
	H17:	X A1 A2 4	transmissometry
	H21:	X A1 A2 4	
	H22:	X A1 A2 4	
	H24:	X A1 A2 4	
	H26:	X A1 A2 4	
	H29:	X A1 A2 4	
	H30:	X A1 A2 4	particulate
	H33:	X A1 A2 4	hydrocarbons, LMW
	H34:	X A1 A2 4	hydrocarbons, HMW-dissolved & particula
Meteorology:	M06:	3 A1 A2 4	
Pollution:	P01:	X A1 A2 4	

Reference Number:	R392087
Expedition/Projects:	BLM-STOCS
Cruise Number or Name:	BLM-67-Spring water column
Ship or Platform:	R/V Longhorn (WZL-3621)
Platform Type:	01
Country:	USA
Organization:	University of Texas Marine Science Port Aransas Marine Lab Port Aransas, TX 78373
Declared National Program?	yes
Exchange Restricted?	no
Co-operative program?	yes
Name:	BLM-STOCS
Co-ordinated Internationally?	no
Chief Scientist:	Jim Ziesler
Whom to Query:	A1: Program Manager-NLM-STOCS, UTMSI/PAML or Contractor's Area Representative BLM New Orleans OCS Office Hale Boggs Federal Building, Suite 841 New Orleans, LA 70130 A2: NODC
Date from:	15 05 77
Date to:	21 05 77
General Ocean Areas:	26
Type(s) of Marine Zone(s):	04
Federal Support:	BLM
Discipline & Type of Measurements:	GL GU GS D M HS HB HP HC P B BS
Index 10 x 10 & 1 x 1:	7209
Biology:	B01: 12 A1 A2 4 C14 uptake
	B02: 12 A1 A2 4 chlorophyll a
	B07: X A1 A2 4
	B08: 12 A1 A2 4
	B09: 12 A1 A2 4 taxonomy, hydrocarbons, & trace metals
	B10: X A1 A2 4

	B11:	X A1 A2 4	trace metals & hydrocarbons
	B16:	X A1 A2 4	
	B18:	X A1 A2 4	taxonomy-macroinfauna & meiofauna
	B30:	1 A1 A2 4	fluorescence
	B33:	X A1 A2 4	epifauna
	B40:	X A1 A2 4	trace metals-epifauna
	B59:	X A1 A2 4	epifauna
	B62:	X A1 A2 4	
Dynamics:	D01:	X A1 A2 4	
	D02:	1 mon	
	D10:	28 A1 A2 4	
Geology/Geophysics:	G31:	X A1 A2 4	sediment texture
	G32:	X A1 A2 4	TOC & C13-sediments
	G32:	X A1 A2 4	hydrocarbons & trace metals-sediments
Hydrography:	H03:	28 A1 A2 4	
	H04:	28 A1 A2 4	
	H07:	28 A1 A2 4	
	H08:	28 A1 A2 4	
	H10:	28 A1 A2 4	
	H16:	17 A1 A2 4	photic zone determination
	H17:	6 A1 A2 4	transmissometry
	H21:	17 A1 A2 4	
	H22:	14 A1 A2 4	
	H24:	14 A1 A2 4	
	H26:	14 A1 A2 4	
	H29:	14 A1 A2 4	
	H30:	8 A1 A2 4	particulate
	H33:	12 A1 A2 4	hydrocarbons, LMW
	H34:	12 A1 A2 4	hydrocarbons, HMW-dissolved & particula
Meteorology:	M06:	28 A1 A2 4	
Pollution:	P01:	X A1 A2 4	

Reference Number:	R392088
Expedition/Project:	BLM-STOCS
Cruise Number or Name:	BLM-68-Spring benthos I
Ship or Platform:	R/V Longhorn (WZL-3621)
Platform Type:	01
Country:	USA
Organization:	University of Texas Marine Science Port Aransas Marine Lab Port Aransas, TX 78373
Declared National Program?	yes
Exchange Restricted?	no
Co-operative program?	yes
Name:	BLM-STOCS
Co-ordinated Internationally?	no
Chief Scientist:	Craig Griffin
Whom to Query:	A1: Program Manager-NLM-STOCS, UTMSI/PAML or Contractor's Area Representative BLM New Orleans DCS Office Hale Boggs Federal Building, Suite 841 New Orleans, LA 70130 A2: NODC

Date from: 23 05 77
 Date to: 23 05 77
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04
 Federal Support: BLM
 Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS
 Index 10 x 10 & 1 x 1: 7209

Biology:	B01:	X A1 A2 4	C14 uptake
	B02:	X A1 A2 4	chlorophyll a
	B07:	X A1 A2 4	
	B08:	X A1 A2 4	
	B09:	X A1 A2 4	taxonomy, hydrocarbons, & trace metals
	B10:	X A1 A2 4	
	B11:	X A1 A2 4	trace metals & hydrocarbons
	B16:	X A1 A2 4	
	B18:	13 A1 A2 4	taxonomy-macroinfauna & meiofauna
	B30:	X A1 A2 4	fluorescence
	B33:	X A1 A2 4	HMW-dissolved & particulate
	B33:	6 A1 A2 4	epifauna
	B40:	6 A1 A2 4	trace metals-epifauna
	B59:	13 A1 A2 4	epifauna
	B62:	X A1 A2 4	
Dynamics:	D01:	X A1 A2 4	
	D02:	1 mon	
	D10:	13 A1 A2 4	
Geology/Geophysics:	G31:	13 A1 A2 4	texture
	G32:	13 A1 A2 4	TOC & C13-sediments
	G32:	13 A1 A2 4	hydrocarbons & trace metals-sediments
Hydrography:	H03:	X A1 A2 4	
	H04:	X A1 A2 4	
	H07:	13 A1 A2 4	
	H08:	13 A1 A2 4	
	H10:	X A1 A2 4	
	H16:	X A1 A2 4	photic zone determination
	H17:	X A1 A2 4	transmissometry
	H21:	X A1 A2 4	
	H22:	X A1 A2 4	
	H24:	X A1 A2 4	
	H26:	X A1 A2 4	
	H29:	X A1 A2 4	
	H30:	X A1 A2 4	particulate
	H33:	X A1 A2 4	hydrocarbons, LMW
Meteorology:	M06:	13 A1 A2 4	
Pollution:	P01:	X A1 A2 4	

Reference Number: R392089
 Expedition/Project: BLM-STOCS
 Cruise Number or Name: BLM-69-Spring benthos II
 Ship or Platform: R/V Longhorn (WZL-3621)
 Platform Type: 01
 Country: USA
 Organization: University of Texas Marine Science
 Port Aransas Marine Lab
 Port Aransas, TX 78373

Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? yes
 Name: BLM-STOCS
 Co-ordinated Internationally? no
 Chief Scientist: Jim Ziesler
 Whom to Query: A1: Program Manager-NLM-STOCS, UTMSI/PAML
 or Contractor's Area Representative
 BLM
 New Orleans OCS Office
 Hale Boggs Federal Building, Suite B41
 New Orleans, LA 70130

A2: NODC
 Date from: 31 05 77
 Date to: 04 06 77
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04
 Federal Support: BLM
 Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS
 Index 10 x 10 & 1 x 1: 7209

Biology:	B01:	X A1 A2 4	C14 uptake
	B02:	X A1 A2 4	chlorophyll a
	B07:	X A1 A2 4	
	B08:	X A1 A2 4	
	B09:	X A1 A2 4	taxonomy, hydrocarbons, & trace metals
	B10:	X A1 A2 4	
	B11:	2 A1 A2 4	trace metals & hydrocarbons
	B16:	XA1 A2 4	
	B18:	14 A1 A2 4	taxonomy-macroinfauna & meiofauna
	B30:	X A1 A2 4	fluorescence
	B33:	X A1 A2 4	HMW-dissolved & particulate
	B33:	6 A1 A2 4	epifauna
	B40:	6 A1 A2 4	trace metals-epifauna
	B59:	12 A1 A2 4	epifauna
	B62:	X A1 A2 4	
Dynamics:	D01:	X A1 A2 4	
	D02:	1 mon	
	D10:	16 A1 A2 4	
Geology/Geophysics:	G31:	16 A1 A2 4	texture
	G32:	16 A1 A2 4	TOC & C13-sediments
	G32:	3 A1 A2 4	hydrocarbons & trace metals-sediments
Hydrography:	H03:	X A1 A2 4	
	H04:	X A1 A2 4	
	H07:	16 A1 A2 4	
	H08:	16 A1 A2 4	
	H10:	X A1 A2 4	
	H16:	X A1 A2 4	photic zone determination
	H17:	X A1 A2 4	transmissometry
	H21:	X A1 A2 4	
	H22:	X A1 A2 4	
	H24:	X A1 A2 4	
	H26:	X A1 A2 4	
	H29:	X A1 A2 4	
	H30:	X A1 A2 4	particulate

H33: X A1 A2 4 hydrocarbons, LMW
 Meteorology: M06: 16 A1 A2 4
 Pollution: P01: X A1 A2 4

Reference Number: R392309
 Expedition/Project: Dames & Moore No 1, MAFLA
 Cruise Number or Name: MAFLA summer 1977
 Ship or Platform: M/V Indian Seal (WZF-8353)
 Platform Type: 02
 Country: USA
 Organization: Dames & Moore
 Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? no
 Co-ordinated Internationally? no
 Chief Scientist: N J Blake
 Whom to Query: A1: Norman J Blake
 University of South Florida
 830 First Street South
 St Petersburg, FL 33701
 A2: BLM/NOAA-EDS
 B1: Wayne D Bock
 University of Miami
 RSMAS
 4600 Rickenbacker Causeway
 Miami, FL 33149
 C1: Stephen A Bortone
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 Pensacola, FL 32504
 D1: Keith E Cooksey
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 PO Box 1484, 1200 Prospect Street
 La Jolla, CA 92037
 M1: Robert L Shipp
 University of Alabama
 Marine Science Programs Lab
 Dauphine Island Sea Lab, Box 386
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 N1: Barry A Vittor
 Barry A Vittor & Associates
 General Delivery, 1119 DeSoto
 Dauphin Island, AL 36528

Date from: 13 08 77
 Date to: 09 09 77
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 07
 Remarks:

The primary purpose of this cruise was to collect benthic benchmark environmental data. Samples of bottom sediment, Foraminifera, macroepifauna, macroinfauna, and demersal fish were obtained within the study area which included the DCS of Mississippi, Alabama, and Florida (MAFLA DCS area of BLM). A total of 52 stations were occupied. Of these, 49 were box core stations, 16 trawl stations, and 17 dredge stations. Surface and near bottom temperature and salinity observations were made at all 52 stations, one station twice. 456 box core, 20 trawl, and 37 dredge samples were collected during the cruise. A station-subsample-parameter matrix is provided in attachment 1, whereas Attachment 2 lists the names, addresses, and areas of responsibility for those individuals to whom queries should be directed.

Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS
 GS B GL BS
 Index 10 x 10 & 1 x 1:
 7208
 7308

Biology:

B18:	X A1 A1 1 4 7
B18:	X B1 A1 1 4 7
B18:	X C1 A1 1 4 7
B18:	X H1 A1 1 4 7
B18:	X I1 A1 1 4 7
B18:	X M1 A1 1 4 7
B18:	X N1 A1 1 4 7
B33:	X G1 A1 1 4 7
B35:	X D1 A1 1 4 7

	B40:	X G1 A1 1 4 7	trace metals
	B40:	X L1 A1 1 4 7	trace metals
	B52:	X K1 A1 1	
	B54:	X A1 A1 1 4 7	
	B54:	X B1 A1 1 4 7	
	B54:	X C1 A1 1 4 7	
	B54:	X H1 A1 1 4 7	
	B54:	X M1 A1 1 4 7	
	B55:	X K1 A1 1	
	B57:	X K1 A1 1	
	B59:	X A1 A1 1 4 7	
	B59:	X B1 A1 1 4 7	
	B59:	X C1 A1 1 4 7	
	B59:	X H1 A1 1 4 7	
	B59:	X I1 A1 1 4 7	
	B59:	X M1 A1 1 4 7	
	B62:	X A1 A1 1	
Geology/Geophysics:	G04:	457 E1 A1 1 4 7	
	G04:	457 K1 A1 1 4 7	
	G21:	X E1 A1 1 4 7	
	G32:	X E1 A1 1 4 7	
	G32:	X E1 A1 1 4 7	clay mineralogy
	G32:	X J1 A1 1 4 7	
	G32:	X K1 A1 1 4 7	
Hydrography:	H03:	53 F1 A1 1 4 7	
	H04:	53 F1 A1 1 4 7	
	H07:	53 F1 A1 1 4 7	
	H08:	53 F1 A1 1 4 7	

Reference Number:	R392329
Expedition/Project:	RF 3510
Cruise Number or Name:	77-6-10
Ship or Platform:	R/V Gyre
Platform Type:	
Country:	USA
Organization:	Texas A&M University
Declared National Program?	no
Exchange Restricted?	no
Co-operative program?	no
Co-ordinated Internationally?	no
Chief Scientist:	Thomas Bright David McGrail Richard Rezak
Whom to Query:	A1: Thomas Bright Texas A&M Research Foundation A2: USDI, BLM Rooms 2613-2621, Interior Building 18th & C Streets, NW Washington, DC 20240 B1: Richard Rezak Texas A&M Research Foundation B2: Francis Monastero Rooms 2613-2621, Interior Building 18th & C Streets, NW

Washington, DC 20240

C1: Richard Parker
Texas A&M Research Foundation
C2: Richard Defenbaugh
USDI, BLM, Hale Boggs Federal Building
500 Camp Street, Suite 84
New Orleans, LA 70130

Date from:

09 09 77

Date to:

01 10 77

General Ocean Areas:

26

Type(s) of Marine Zone(s):

07

Federal Support:

BLM (AA550-CT7-15)

Remarks:

This cruise consisted of two legs, with the first occurring from September 9 to September 21, 1977 and the second from September 23 to October 1, 1977. The first leg objectives were to make 1) water column measurements for salinity, temperature, depth, transmissivity, current measurements and water chemistry at East Flower Garden and Sackett Banks; 2) submersible dives on East Flower Garden, Sackett, and Ewing Banks; 3) SCUBA dives on East Flower Garden and 4) bottom samples at East Flower Garden and Sackett Banks. The second leg objectives were to make submersible dives at East Flower Garden, Bouma, 18 Fathom Lump, Sonnier, Bright and Parker Banks.

Discipline & Type of Measurements: GL GS D B BS HS HB HP HC P

GL GS D B BS HS HB HP HC P

Index 10 x 10 & 1 x 1:

7208

7209

Biology:	B16:	10	submarine manipulative arm
	B18:	18	submarine manipulative arm
	B22:	18	submarine manipulative arm
	B51:	6	submarine-visual & photographic
	B52:	6	submarine-visual & photographic
	B53:	10	SCUBA-visual and photographic
	B55:	6	submarine-visual & photographic
	B57:	10	SCUBA-visual and photographic
	B58:	6	submarine-visual & photographic
	B59:	X	laboratory
	B62:	10	SCUBA-visual and photographic
Dynamics:	D01:	15	hydroproducts
	D10:	16	visual
Geology/Geophysics:	G02:	37	Smith McIntyre
	G04:	8	gravity corer
	G31:	41	clay mineralogy
	G32:	23	
Hydrography:	H03:	8	reversing thermometer
	H04:	8	conductivity
	H07:	8	reversing thermometer
	H08:	8	conductivity
	H10:	16	STD
	H13:	50	
	H16:	16	transmissivity Martek
	H21:	12	niskin
	H22:	12	niskin

	H24:	12	niskin
	H33:	12	hydrocarbons, LMW-niskin
Meteorology:	M06:	16	visual
Pollution:	P01:	6	
	P02:	10	Spondylus
	P02:	35	fish
	P03:	10	Spondylus
	P03:	9	fish

Reference Number: R392353
Expedition/Project: Dames & Moore No 2, MAFLA
Cruise Number or Name: MAFLA fall 1977
Ship or Platform: M/V Java Seal
Platform Type: 02
Country: USA
Organization: Dames & Moore
Declared National Program? yes
Exchange Restricted? no
Co-operative program? no
Co-ordinated Internationally? no
Chief Scientist: T S Hopkins
Wayne D Bock
Whom to Query: A1: Norman J Blake
University of South Florida
830 First Street South
St Petersburg, FL 33701
A2: BLM/NOAA-EDS
B1: Wayne D Bock
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RSMAS
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C1: Stephen A Bortone
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 St Petersburg, FL 33701

P1: Kendall L Carder
 University of South Florida
 830 First Street South
 St Petersburg, FL 33701

Q1: Lela M Jeffrey
 Texas A&M University
 Department of Oceanography
 College Station, TX 77843

Date from:

23 10 77

Date to:

17 11 77

General Ocean Areas:

26

Type(s) of Marine Zone(s):

07

Remarks:

The primary purpose of this cruise was to collect water column and benthic benchmark environmental data within the MAFLA OCS area of BLM. Samples of the water column were collected for trace metal, HMW-hydrocarbon, and clay mineralogic analyses. Measurement of the salinity, temperature, and light transmission characteristics as a function of depth were made. Samples of the bottom sediment, meiofauna, foraminifera, macroinfauna, macroepifauna, and

demersal fish were obtained. Bottom sediments were collected for various geologic, trace metal, HMW-hydrocarbon, and ATP analyses. In the study area a total of 47 stations were occupied, several more than once. At these stations 323 box-cores, 35 trawls, 31 dredges were obtained as well as 7 photometer, 98 transmissometer/light scattering, 78 STD, 78 "standard" hydrocasts, and 10 special hydrocasts.

A station-subsample-parameter matrix is provided as Attachment 1. Attachment 2 lists the names, addresses, and areas of responsibility of those individuals to whom queries should be directed. Attachment 3 is a chart showing the location of the stations.

Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS

Index 10 x 10 & 1 x 1:

7208

Biology:

B04:	6	Q1	A1	1	4	7	
B06:	80	Q1	A1	1	4	7	
B18:		X	A1				
B18:		X	B1				
B18:		X	C1				
B18:		X	H1				
B18:		X	I1				
B18:		X	M1				
B18:		X	N1				
B33:		X	G1	A1	1	4	7
B35:	42	D1	A1	1	4	7	
B40:		X	G1	A1	1	4	7
B40:		X	L1	A1	1	4	7
B52:		X	K1	A1	1		
B54:		X	A1	A1	1	4	7
B54:		X	B1	A1	1	4	7
B54:		X	C1	A1	1	4	7
B54:		X	H1	A1	1	4	7
B54:		X	M1	A1	1	4	7
B55:		X	K1	A1	1		
B57:		X	K1	A1	1	4	7
B59:		X	A1	A1	1	4	7
B59:		X	B1	A1	1	4	7
B59:		X	C1	A1	1	4	7
B59:		X	H1	A1	1	4	7
B59:		X	I1	A1	1	4	7
B59:		X	M1	A1	1	4	7
B62:		X	A1	A1	1		

trace metals
trace metals

Geology/Geophysics:

G04:	324	E1	A1	1	4	7	
G04:	324	K1	A1	1	4	7	
G31:	322		A1	1	4	7	
G32:	126	E1	A1	1	4	7	sediment texture, TOC & hydrocarbons
G32:	126	G1	A1	1	4	7	sediment texture, TOC & hydrocarbons
G32:	126	J1	A1	1	4	7	sediment texture, TOC & hydrocarbons
G32:	126	K1	A1	1	4	7	sediment texture, TOC & hydrocarbons
G32:	126	L1	A1	1	4	7	sediment texture, TOC & hydrocarbons

Hydrography:

H03:	78	F1	A1	1	4	7	
H04:	78	F1	A1	1	4	7	
H07:	78	F1	A1	1	4	7	
H08:	78	F1	A1	1	4	7	

H10: 78 F1 A1 1 4 7
 H16: 49 P1 A1 1 4 7 transmissometry profiles
 H17: 7 F1 A1 1 4 7 photometry profiles
 H17: 49 P1 A1 1 4 7 light scattering
 H30: 40 L1 A1 1 4 7 suspended sediments
 H30: 40 O1 A1 1 4 7 suspended sediments
 H34: 80 Q1 A1 1 4 7 hydrocarbons, HMW-dissolved and particu

Reference Number: R392491
 Expedition/Project: BLM-STOCS
 Cruise Number or Name: BLM-70-Spring histopathology/microbiology
 Ship or Platform: R/V Longhorn (W2L-3621)
 Platform Type: 01
 Country: USA
 Organization: University of Texas Marine Science
 Port Aransas Marine Lab
 Port Aransas, TX 78373

Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? yes
 Name: BLM-STOCS
 Co-ordinated Internationally? no
 Chief Scientist: Craig W Griffin
 Whom to Query: A1: Program Manager-NLM-STOCS, UTMSI/PAML
 or Contractor's Area Representative
 BLM
 New Orleans OCS Office
 Hale Boggs Federal Building, Suite 841
 New Orleans, LA 70130

A2: NODC
 Date from: 09 06 77
 Date to: 10 06 77
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04
 Federal Support: BLM
 Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS
 Index 10 x 10 & 1 x 1: 7209

Biology:

B01:	X A1 A2 4	C14 uptake
B02:	X A1 A2 4	chlorophyll a
B07:	3 A1 A2 4	
B08:	X A1 A2 4	
B09:	X A1 A2 4	taxonomy, hydrocarbons, & trace metals
B10:	X A1 A2 4	
B11:	X A1 A2	trace metals & hydrocarbons
B16:	X A1 A2 4	
B18:	X A1 A2 4	taxonomy-macroinfauna & meiofauna
B30:	X A1 A2 4	fluorescence
B33:	X A1 A2 4	epifauna
B40:	X A1 A2 4	trace metals-epifauna
B59:	X A1 A2 4	epifauna
B62:	4 A1 A2 4	

Dynamics:

D01:	X A1 A2 4	
D02:	1 mon	4
D10:	X A1 A2 4	

Geology/Geophysics:	G31:	X A1 A2 4	sediment texture
	G32:	X A1 A2 4	TOC & C13-sediments
	G32:	X A1 A2 4	hydrocarbons & trace metals-sediments
Hydrography:	H03:	X A1 A2 4	
	H04:	X A1 A2 4	
	H07:	X A1 A2 4	
	H08:	X A1 A2 4	
	H10:	X A1 A2 4	
	H16:	X A1 A2 4	photic zone determination
	H17:	X A1 A2 4	transmissometry
	H21:	X A1 A2 4	
	H22:	X A1 A2 4	
	H24:	X A1 A2 4	
	H26:	X A1 A2 4	
	H29:	X A1 A2 4	
	H30:	X A1 A2 4	particulate
	H33:	X A1 A2 4	hydrocarbons, LMW
	H34:	X A1 A2 4	hydrocarbons, HMW-dissolved & particula
Meteorology:	M06:	X A1 A2 4	
Pollution:	P01:	X A1 A2 4	

Reference Number:	R392492
Expedition/Project:	BLM-STOCS
Cruise Number or Name:	BLM-71-Spring benthic/microbiology
Ship or Platform:	R/V Longhorn (W2L-3621)
Platform Type:	01
Country:	USA
Organization:	University of Texas Marine Science Port Aransas Marine Lab Port Aransas, TX 78373
Declared National Program?	yes
Exchange Restricted?	no
Co-operative program?	yes
Name:	BLM-STOCS
Co-ordinated Internationally?	no
Chief Scientist:	Jim Ziesler
Whom to Query:	A1: Program Manager-NLM-STOCS, UTMSI/PAML or Contractor's Area Representative BLM New Orleans OCS Office Hale Boggs Federal Building, Suite 841 New Orleans, LA 70130 A2: NODC
Date from:	13 06 77
Date to:	15 06 77
General Ocean Areas:	26
Type(s) of Marine Zone(s):	04
Federal Support:	BLM
Discipline & Type of Measurements:	GL GU GS D M HS HB HP HC P B BS
Index 10 x 10 & 1 x 1:	7209
Biology:	B01: X A1 A2 4 C14 uptake
	B02: X A1 A2 4 chlorophyll a
	B07: X A1 A2 4
	B08: X A1 A2 4

	B09:	2 A1 A2 4	taxonomy, hydrocarbons, & trace metals
	B10:	X A1 A2 4	
	B11:	X A1 A2	trace metals & hydrocarbons
	B16:	12 A1 A2 4	
	B18:	X A1 A2 4	taxonomy-macroinfauna & meiofauna
	B30:	X A1 A2 4	fluorescence
	B33:	X A1 A2 4	HMW-dissolved & particulate
	B33:	X A1 A2 4	epifauna
	B40:	X A1 A2 4	trace metals-epifauna
	B59:	X A1 A2 4	epifauna
	B62:	X A1 A2 4	
Dynamics:	D01:	X A1 A2 4	
	D02:	1 mon 4	
	D10:	12 A1 A2 4	
Geology/Geophysics:	G31:	12 A1 A2 4	texture
	G32:	X A1 A2 4	TOC & C13-sediments
	G32:	X A1 A2 4	hydrocarbons & trace metals-sediments
Hydrography:	H03:	X A1 A2 4	
	H04:	X A1 A2 4	
	H07:	X A1 A2 4	
	H08:	X A1 A2 4	
	H10:	X A1 A2 4	
	H16:	X A1 A2 4	photic zone determination
	H17:	X A1 A2 4	transmissometry
	H21:	X A1 A2 4	
	H22:	X A1 A2 4	
	H24:	X A1 A2 4	
	H26:	X A1 A2 4	
	H29:	X A1 A2 4	
	H30:	X A1 A2 4	particulate
	H33:	X A1 A2 4	hydrocarbons, LMW
Meteorology:	M06:	12 A1 A2 4	
Pollution:	P01:	X A1 A2 4	

Reference Number:	R392493
Expedition/Project:	BLM-STOCS
Cruise Number or Name:	BLM-72-July water column
Ship or Platform:	R/V Longhorn (WZL-3621)
Platform Type:	01
Country:	USA
Organization:	University of Texas Marine Science Port Aransas Marine Lab Port Aransas, TX 78373
Declared National Program?	yes
Exchange Restricted?	no
Co-operative program?	yes
Name:	BLM-STOCS
Co-ordinated Internationally?	no
Chief Scientist:	Jim Ziesler
Whom to Query:	A1: Program Manager-NLM-STOCS, UTMSI/PAML or Contractor's Area Representative BLM New Orleans OCS Office Hale Boggs Federal Building, Suite 841

New Orleans, LA 70130

A2: NODC

Date from: 06 07 77

Date to: 07 07 77

General Ocean Areas: 26

Type(s) of Marine Zone(s): 04

Federal Support: BLM

Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS

Index 10 x 10 & 1 x 1: 7209

Biology:	B01:	3 A1 A2 4	C14 uptake
	B02:	3 A1 A2 4	chlorophyll a
	B07:	3 A1 A2 4	
	B08:	3 A1 A2 4	
	B09:	3 A1 A2 4	taxonomy
	B10:	3 A1 A2 4	
	B11:	X A1 A2	trace metals & hydrocarbons
	B16:	X A1 A2 4	
	B18:	X A1 A2 4	taxonomy-macroinfauna & meiofauna
	B30:	1 A1 A2 4	fluorescence
	B33:	X A1 A2 4	epifauna
	B40:	X A1 A2 4	trace metals-epifauna
	B59:	X A1 A2 4	epifauna
	B62:	X A1 A2 4	
Dynamics:	D01:	X A1 A2 4	
	D02:	1 mon	
	D10:	7 A1 A2 4	
Geology/Geophysics:	G31:	X A1 A2 4	sediment texture
	G32:	X A1 A2 4	TOC & C13-sediments
	G32:	X A1 A2 4	hydrocarbons & trace metals-sediments
Hydrography:	H03:	7 A1 A2 4	
	H04:	7 A1 A2 4	
	H07:	7 A1 A2 4	
	H08:	7 A1 A2 4	
	H10:	7 A1 A2 4	
	H16:	6 A1 A2 4	photic zone determination
	H17:	6 A1 A2 4	transmissometry
	H21:	6 A1 A2 4	
	H22:	3 A1 A2 4	
	H24:	3 A1 A2 4	
	H26:	3 A1 A2 4	
	H29:	3 A1 A2 4	
	H30:	X A1 A2 4	particulate
	H33:	3 A1 A2 4	hydrocarbons, LMW
	H34:	X A1 A2 4	hydrocarbons, HMW-dissolved & particula
Meteorology:	M06:	7 A1 A2 4	
Pollution:	P01:	X A1 A2 4	

Reference Number: R392494

Expedition/Project: BLM-STDCS

Cruise Number or Name: BLM-73-July epifauna/trawls/water/microbiology

Ship or Platform: R/V Longhorn (WZL-3621)

Platform Type: 01

Country: USA

Organization: University of Texas Marine Science

Port Aransas Marine Lab
 Port Aransas, TX 78373

Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? yes
 Name: BLM-STOCS
 Co-ordinated Internationally? no
 Chief Scientist: Craig W Griffin
 Whom to Query: A1: Program Manager-NLM-STOCS, UTMSI/PAML
 or Contractor's Area Representative
 BLM
 New Orleans DCS Office
 Hale Boggs Federal Building, Suite B41
 New Orleans, LA 70130
 A2: NODC

Date from: 08 07 77
 Date to: 09 07 77
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04
 Federal Support: BLM
 Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS
 Index 10 x 10 & 1 x 1: 7209

Biology:
 B01: X A1 A2 4 C14 uptake
 B02: X A1 A2 4 chlorophyll a
 B07: 3 A1 A2 4
 B08: X A1 A2 4
 B09: X A1 A2 4 taxonomy, hydrocarbons, & trace metals
 B10: X A1 A2 4
 B11: X A1 A2 4 trace metals & hydrocarbons
 B16: X A1 A2 4
 B18: 6 A1 A2 4 taxonomy-meiofauna
 B30: X A1 A2 4 fluorescence
 B33: X A1 A2 4 epifauna
 B40: X A1 A2 4 trace metals-epifauna
 B59: 3 A1 A2 4 epifauna
 B62: X A1 A2 4

Dynamics:
 D01: X A1 A2 4
 D02: 1 mon
 D10: 6 A1 A2 4

Geology/Geophysics:
 G31: 6 A1 A2 4 sediment texture
 G32: X A1 A2 4 TOC & C13-sediments
 G32: X A1 A2 4 hydrocarbons & trace metals-sediments

Hydrography:
 H03: X A1 A2 4
 H04: X A1 A2 4
 H07: X A1 A2 4
 H08: X A1 A2 4
 H10: X A1 A2 4
 H16: X A1 A2 4 photic zone determination
 H17: X A1 A2 4 transmissometry
 H21: X A1 A2 4
 H22: X A1 A2 4
 H24: X A1 A2 4
 H26: X A1 A2 4
 H29: X A1 A2 4

H30: X A1 A2 4 particulate
 H33: X A1 A2 4 hydrocarbons, LMW
 H34: X A1 A2 4 hydrocarbons, HMW-dissolved & particula
 Meteorology: M06: 6 A1 A2 4
 Pollution: P01: X A1 A2 4

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Reference Number: R392495
 Expedition/Project: BLM-STOCS
 Cruise Number or Name: BLM-74-July histopathology
 Ship or Platform: R/V Longhorn (WZL-3621)
 Platform Type: 01
 Country: USA
 Organization: University of Texas Marine Science
 Port Aransas Marine Lab
 Port Aransas, TX 78373

Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? yes
 Name: BLM-STOCS
 Co-ordinated Internationally? no
 Chief Scientist: Jim Ziesler
 Whom to Query: A1: Program Manager-NLM-STOCS, UTMSI/PAML
 or Contractor's Area Representative
 BLM
 New Orleans OCS Office
 Hale Boggs Federal Building, Suite 841
 New Orleans, LA 70130

A2: NODC
 Date from: 28 07 77
 Date to: 29 07 77
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04
 Federal Support: BLM
 Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS
 Index 10 x 10 & 1 x 1: 7209

Biology: B01: X A1 A2 4 C14 uptake
 B02: X A1 A2 4 chlorophyll a
 B07: X A1 A2 4
 B08: X A1 A2 4
 B09: X A1 A2 4 taxonomy, hydrocarbons, & trace metals
 B10: X A1 A2 4
 B11: X A1 A2 4 trace metals & hydrocarbons
 B16: X A1 A2 4
 B18: 6 A1 A2 4 taxonomy-macroinfauna & meiofauna
 B30: X A1 A2 4 fluorescence
 B33: X A1 A2 4 epifauna
 B40: X A1 A2 4 trace metals-epifauna
 B59: X A1 A2 4 epifauna
 B62: 4 A1 A2 4

Dynamics: D01: X A1 A2 4
 D02: 1 mon
 D10: 4 A1 A2 4

Geology/Geophysics: G31: 6 A1 A2 4 sediment texture
 G32: X A1 A2 4 TOC & C13-sediments

Hydrography:	G32:	X A1 A2 4	hydrocarbons & trace metals-sediments
	H03:	X A1 A2 4	
	H04:	X A1 A2 4	
	H07:	X A1 A2 4	
	H08:	X A1 A2 4	
	H10:	X A1 A2 4	
	H16:	X A1 A2 4	photic zone determination
	H17:	X A1 A2 4	transmissometry
	H21:	X A1 A2 4	
	H22:	X A1 A2 4	
	H24:	X A1 A2 4	
	H26:	X A1 A2 4	
	H29:	X A1 A2 4	
	H30:	X A1 A2 4	particulate
	H33:	X A1 A2 4	hydrocarbons, LMW
	H34:	X A1 A2 4	hydrocarbons, HMW-dissolved & particula
Meteorology:	M06:	4 A1 A2 4	
Pollution:	P01:	X A1 A2 4	

Reference Number:	R392496
Expedition/Project:	BLM-STOCS
Cruise Number or Name:	BLM-75-August water column
Ship or Platform:	R/V Longhorn (WZL-3621)
Platform Type:	01
Country:	USA
Organization:	University of Texas Marine Science Port Aransas Marine Lab Port Aransas, TX 78373
Declared National Program?	yes
Exchange Restricted?	no
Co-operative program?	yes
Name:	BLM-STOCS
Co-ordinated Internationally?	no
Chief Scientist:	Jim Ziesler
Whom to Query:	A1: Program Manager-NLM-STOCS, UTMSI/PAML or Contractor's Area Representative BLM New Orleans DCS Office Hale Boggs Federal Building, Suite 841 New Orleans, LA 70130
	A2: NODC
Date from:	04 08 77
Date to:	05 08 77
General Ocean Areas:	26
Type(s) of Marine Zone(s):	04
Federal Support:	BLM
Discipline & Type of Measurements:	GL GU GS D M HS HB HP HC P B BS
Index 10 x 10 & 1 x 1:	7209
Biology:	B01: 3 A1 A2 4 C14 uptake
	B02: 3 A1 A2 4 chlorophyll a
	B07: X A1 A2 4
	B08: 3 A1 A2 4
	B09: 3 A1 A2 4 taxonomy, hydrocarbons, & trace metals
	B10: 3 A1 A2 4

	B11:	X A1 A2 4	trace metals & hydrocarbons
	B16:	X A1 A2 4	
	B18:	X A1 A2 4	taxonomy-macroinfauna & meiofauna
	B30:	1 A1 A2 4	fluorescence
	B33:	X A1 A2 4	epifauna
	B40:	X A1 A2 4	trace metals-epifauna
	B59:	X A1 A2 4	epifauna
	B62:	X A1 A2 4	
Dynamics:	D01:	X A1 A2 4	
	D02:	1 mon	
	D10:	7 A1 A2 4	
Geology/Geophysics:	G31:	X A1 A2 4	sediment texture
	G32:	X A1 A2 4	TOC & C13-sediments
	G32:	X A1 A2 4	hydrocarbons & trace metals-sediments
Hydrography:	H03:	7 A1 A2 4	
	H04:	7 A1 A2 4	
	H07:	7 A1 A2 4	
	H08:	7 A1 A2 4	
	H10:	7 A1 A2 4	
	H16:	6 A1 A2 4	photic zone determination
	H17:	X A1 A2 4	transmissometry
	H21:	6 A1 A2 4	
	H22:	3 A1 A2 4	
	H24:	3 A1 A2 4	
	H26:	3 A1 A2 4	
	H29:	3 A1 A2 4	
	H30:	3 A1 A2 4	particulate
	H33:	3 A1 A2 4	hydrocarbons, LMW
	H34:	X A1 A2 4	hydrocarbons, HMW-dissolved & particula
Meteorology:	M06:	7 A1 A2 4	
Pollution:	P01:	X A1 A2 4	

Reference Number:	R392497
Expedition/Project:	BLM-STOCS
Cruise Number or Name:	BLM-76-Epifauna/trawls/water/microbiology
Ship or Platform:	R/V Longhorn (WZL-3621)
Platform Type:	01
Country:	USA
Organization:	University of Texas Marine Science Port Aransas Marine Lab Port Aransas, TX 78373

Declared National Program?	yes
Exchange Restricted?	no
Co-operative program?	yes
Name:	BLM-STOCS
Co-ordinated Internationally?	no
Chief Scientist:	Craig Griffin
Whom to Query:	A1: Program Manager-NLM-STOCS, UTMSI/PAML or Contractor's Area Representative BLM New Orleans OCS Office Hale Boggs Federal Building, Suite 841 New Orleans, LA 70130

A2: NODC

Date from: 06 08 77
 Date to: 07 08 77
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04
 Federal Support: BLM
 Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS
 Index 10 x 10 & 1 x 1: 7209

Biology:	B01:	X A1 A2 4	C14 uptake
	B02:	X A1 A2 4	chlorophyll a
	B07:	X A1 A2 4	
	B08:	X A1 A2 4	
	B09:	X A1 A2 4	taxonomy, hydrocarbons, & trace metals
	B10:	X A1 A2 4	
	B11:	X A1 A2 4	trace metals & hydrocarbons
	B16:	X A1 A2 4	
	B18:	6 A1 A2 4	taxonomy-macroinfauna & meiofauna
	B30:	X A1 A2 4	fluorescence
	B33:	X A1 A2 4	epifauna
	B40:	X A1 A2 4	trace metals-epifauna
	B59:	3 A1 A2 4	epifauna
	B62:	X A1 A2 4	
Dynamics:	D01:	X A1 A2 4	
	D02:	1 mon	
	D10:	6 A1 A2 4	
Geology/Geophysics:	G31:	6 A1 A2 4	sediment texture
	G32:	X A1 A2 4	TOC & C13-sediments
	G32:	X A1 A2 4	hydrocarbons & trace metals-sediments
Hydrography:	H03:	3 A1 A2 4	
	H04:	3 A1 A2 4	
	H07:	X A1 A2 4	
	H08:	X A1 A2 4	
	H10:	X A1 A2 4	
	H16:	X A1 A2 4	photic zone determination
	H17:	X A1 A2 4	transmissometry
	H21:	X A1 A2 4	
	H22:	X A1 A2 4	
	H24:	X A1 A2 4	
	H26:	X A1 A2 4	
	H29:	X A1 A2 4	
	H30:	X A1 A2 4	particulate
	H33:	X A1 A2 4	hydrocarbons, LMW
	H34:	X A1 A2 4	hydrocarbons, HMW-dissolved & particula
Meteorology:	M06:	6 A1 A2 4	
Pollution:	P01:	X A1 A2 4	

Reference Number: R392498
 Expedition/Project: BLM-STOCS
 Cruise Number or Name: BLM-77-August histopathology
 Ship or Platform: R/V Longhorn (WZL-3621)
 Platform Type: 01
 Country: USA
 Organization: University of Texas Marine Science
 Port Aransas Marine Lab
 Port Aransas, TX 78373

Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? yes
 Name: BLM-STOCS
 Co-ordinated Internationally? no
 Chief Scientist: Jim Ziesler
 Whom to Query: A1: Program Manager-NLM-STOCS, UTMSI/PAML
 or Contractor's Area Representative
 BLM
 New Orleans OCS Office
 Hale Boggs Federal Building, Suite 841
 New Orleans, LA 70130

 A2: NODC
 Date from: 18 08 77
 Date to: 19 08 77
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04
 Federal Support: BLM
 Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS
 Index 10 x 10 & 1 x 1: 7209

Biology:	B01:	X A1 A2 4	C14 uptake
	B02:	X A1 A2 4	chlorophyll a
	B07:	X A1 A2 4	
	B08:	X A1 A2 4	
	B09:	X A1 A2 4	taxonomy, hydrocarbons, & trace metals
	B10:	3 A1 A2 4	
	B11:	X A1 A2 4	trace metals & hydrocarbons
	B16:	X A1 A2 4	
	B18:	X A1 A2 4	taxonomy-macroinfauna & meiofauna
	B30:	X A1 A2 4	fluorescence
	B33:	X A1 A2 4	epifauna
	B40:	X A1 A2 4	trace metals-epifauna
	B59:	X A1 A2 4	epifauna
	B62:	4 A1 A2 4	
Dynamics:	D01:	X A1 A2 4	
	D02:	1 mon	
	D10:	4 A1 A2 4	
Geology/Geophysics:	G31:	X A1 A2 4	sediment texture
	G32:	X A1 A2 4	TDC & C13-sediments
	G32:	X A1 A2 4	hydrocarbons & trace metals-sediments
Hydrography:	H03:	X A1 A2 4	
	H04:	X A1 A2 4	
	H07:	X A1 A2 4	
	H08:	X A1 A2 4	
	H10:	X A1 A2 4	
	H16:	X A1 A2 4	photic zone determination
	H17:	X A1 A2 4	transmissometry
	H21:	X A1 A2 4	
	H22:	X A1 A2 4	
	H24:	X A1 A2 4	
	H26:	X A1 A2 4	
	H29:	X A1 A2 4	
	H30:	X A1 A2 4	particulate
	H33:	X A1 A2 4	hydrocarbons, LMW

	H34:	X A1 A2 4	hydrocarbons, HMW-dissolved & particula
Meteorology:	M06:	4 A1 A2 4	
Pollution:	P01:	X A1 A2 4	

Reference Number:		R392499	
Expedition/Project:		BLM-STOCS	
Cruise Number or Name:		BLM-78-Fall water column	
Ship or Platform:		R/V Longhorn (WZL-3621)	
Platform Type:		01	
Country:		USA	
Organization:		University of Texas Marine Science Port Aransas Marine Lab Port Aransas, TX 78373	
Declared National Program?		yes	
Exchange Restricted?		no	
Co-operative program?		yes	
Name:		BLM-STOCS	
Co-ordinated Internationally?		no	
Chief Scientist:		Jim Ziesler	
Whom to Query:	A1:	Program Manager-NLM-STOCS, UTMSI/PAML or Contractor's Area Representative BLM New Orleans OCS Office Hale Boggs Federal Building, Suite 841 New Orleans, LA 70130	
	A2:	NODC	
Date from:		06 09 77	
Date to:		12 09 77	
General Ocean Areas:		26	
Type(s) of Marine Zone(s):		04	
Federal Support:		BLM	
Discipline & Type of Measurements:		GL GU GS D M HS HB HP HC P B BS	
Index 10 x 10 & 1 x 1:		7209	
Biology:	B01:	3 A1 A2 4	C14 uptake
	B02:	12 A1 A2 4	chlorophyll a
	B07:	X A1 A2 4	
	B08:	12 A1 A2 4	
	B09:	12 A1 A2 4	taxonomy, hydrocarbons, & trace metals
	B10:	12 A1 A2 4	
	B11:	X A1 A2 4	trace metals & hydrocarbons
	B16:	X A1 A2 4	
	B18:	X A1 A2 4	taxonomy-macroinfauna & meiofauna
	B30:	1 A1 A2 4	fluorescence
	B33:	X A1 A2 4	epifauna
	B40:	X A1 A2 4	trace metals-epifauna
	B59:	X A1 A2 4	epifauna
	B62:	X A1 A2 4	
Dynamics:	D01:	X A1 A2 4	
	D02:	1 mon	
	D10:	28 A1 A2 4	
Geology/Geophysics:	G31:	X A1 A2 4	sediment texture
	G32:	X A1 A2 4	TDC & C13-sediments
	G32:	X A1 A2 4	hydrocarbons & trace metals-sediments
Hydrography:	H03:	28 A1 A2 4	

	H04:	28 A1 A2 4	
	H07:	28 A1 A2 4	
	H08:	X A1 A2 4	
	H10:	28 A1 A2 4	
	H16:	15 A1 A2 4	photic zone determination
	H17:	X A1 A2 4	transmissometry
	H21:	15 A1 A2 4	
	H22:	12 A1 A2 4	
	H24:	12 A1 A2 4	
	H26:	12 A1 A2 4	
	H29:	12 A1 A2 4	
	H30:	X A1 A2 4	particulate
	H33:	12 A1 A2 4	hydrocarbons, LMW
	H34:	12 A1 A2 4	hydrocarbons, HMW-dissolved & particula
Meteorology:	M06:	27 A1 A2 4	
Pollution:	P01:	X A1 A2 4	

Reference Number: R392500
Expedition/Project: BLM-STOCS
Cruise Number or Name: BLM-79-Fall benthic III/IV
Ship or Platform: R/V Longhorn (WZL-3621)
Platform Type: 01
Country: USA
Organization: University of Texas Marine Science
Port Aransas Marine Lab
Port Aransas, TX 78373

Declared National Program? yes
Exchange Restricted? no
Co-operative program? yes
Name: BLM-STOCS
Co-ordinated Internationally? no
Chief Scientist: Jim Ziesler
Whom to Query: A1: Program Manager-NLM-STOCS, UTMSI/PAML
or Contractor's Area Representative
BLM
New Orleans OCS Office
Hale Boggs Federal Building, Suite 841
New Orleans, LA 70130

A2: NODC
Date from: 25 09 77
Date to: 29 09 77
General Ocean Areas: 26
Type(s) of Marine Zone(s): 04
Federal Support: BLM
Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS
Index 10 x 10 & 1 x 1: 7209

Biology:	B01:	X A1 A2 4	C14 uptake
	B02:	X A1 A2 4	chlorophyll a
	B07:	X A1 A2 4	
	B08:	X A1 A2 4	
	B09:	X A1 A2 4	taxonomy, hydrocarbons, & trace metals
	B10:	X A1 A2 4	
	B11:	X A1 A2 4	trace metals & hydrocarbons
	B16:	X A1 A2 4	

	B18:	13 A1 A2 4	taxonomy-macroinfauna & meiofauna
	B30:	X A1 A2 4	fluorescence
	B33:	X A1 A2 4	HMW-dissolved & particulate
	B33:	6 A1 A2 4	epifauna
	B40:	6 A1 A2 4	trace metals-epifauna
	B59:	13 A1 A2 4	epifauna
	B62:	X A1 A2 4	
Dynamics:	D01:	X A1 A2 4	
	D02:	1 mon	
	D10:	13 A1 A2 4	
Geology/Geophysics:	G31:	13 A1 A2 4	texture
	G32:	13 A1 A2 4	TOC & C13-sediments
	G32:	13 A1 A2 4	hydrocarbons & trace metals-sediments
Hydrography:	H03:	X A1 A2 4	
	H04:	X A1 A2 4	
	H07:	13 A1 A2 4	
	H08:	13 A1 A2 4	
	H10:	X A1 A2 4	
	H16:	X A1 A2 4	photic zone determination
	H17:	X A1 A2 4	transmissometry
	H21:	X A1 A2 4	
	H22:	X A1 A2 4	
	H24:	X A1 A2 4	
	H26:	X A1 A2 4	
	H29:	X A1 A2 4	
	H30:	X A1 A2 4	particulate
	H33:	X A1 A2 4	hydrocarbons, LMW
Meteorology:	M06:	13 A1 A2 4	
Pollution:	P01:	X A1 A2 4	

Reference Number:	R392501
Expedition/Project:	BLM-STOCS
Cruise Number or Name:	BLM-80-Fall benthic I/II
Ship or Platform:	R/V Longhorn (WZL-3621)
Platform Type:	01
Country:	USA
Organization:	University of Texas Marine Science Port Aransas Marine Lab Port Aransas, TX 78373
Declared National Program?	yes
Exchange Restricted?	no
Co-operative program?	yes
Name:	BLM-STOCS
Co-ordinated Internationally?	no
Chief Scientist:	Jim Ziesler
Whom to Query:	A1: Program Manager-NLM-STOCS, UTMSI/PAML or Contractor's Area Representative BLM New Orleans OCS Office Hale Boggs Federal Building, Suite 841 New Orleans, LA 70130
	A2: NODC
Date from:	04 10 77
Date to:	07 10 77

General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04
 Federal Support: BLM
 Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS
 Index 10 x 10 & 1 x 1: 7209

Biology:
 B01: X A1 A2 4 C14 uptake
 B02: X A1 A2 4 chlorophyll a
 B07: X A1 A2 4
 B08: X A1 A2 4
 B09: X A1 A2 4 taxonomy, hydrocarbons, & trace metals
 B10: X A1 A2 4
 B11: 2 A1 A2 4 trace metals & hydrocarbons
 B16: X A1 A2 4
 B18: 14 A1 A2 4 taxonomy-macroisofauna & meiofauna
 B30: X A1 A2 4 fluorescence
 B33: X A1 A2 4 HMW-dissolved & particulate
 B33: 6 A1 A2 4 epifauna
 B40: 6 A1 A2 4 trace metals-epifauna
 B59: 12 A1 A2 4 epifauna
 B62: X A1 A2 4

Dynamics:
 D01: X A1 A2 4
 D02: 1 mon

Geology/Geophysics:
 D10: 14 A1 A2 4
 G31: 14 A1 A2 4 texture
 G32: 14 A1 A2 4 TOC & C13-sediments
 G32: 12 A1 A2 4 hydrocarbons & trace metals-sediments

Hydrography:
 H03: X A1 A2 4
 H04: X A1 A2 4
 H07: 14 A1 A2 4
 H08: 14 A1 A2 4
 H10: X A1 A2 4
 H16: X A1 A2 4 photic zone determination
 H17: X A1 A2 4 transmissometry
 H21: X A1 A2 4
 H22: X A1 A2 4
 H24: X A1 A2 4
 H26: X A1 A2 4
 H29: X A1 A2 4
 H30: X A1 A2 4 particulate
 H33: X A1 A2 4 hydrocarbons, LMW

Meteorology:
 M06: 14 A1 A2 4

Pollution:
 P01: X A1 A2 4

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Reference Number: R392502
 Expedition/Project: BLM-STOCS
 Cruise Number or Name: BLM-B1-Low molecular weight hydrocarbon cores
 Ship or Platform: R/V Longhorn (WZL-3621)
 Platform Type: 01
 Country: USA
 Organization: University of Texas Marine Science
 Port Aransas Marine Lab
 Port Aransas, TX 78373

Declared National Program? yes
 Exchange Restricted? no

Co-operative program? yes
 Name: BLM-STOCS
 Co-ordinated Internationally? no
 Chief Scientist: Jim Ziesler
 Whom to Query: A1: Program Manager-NLM-STOCS, UTMSI/PAML
 or Contractor's Area Representative
 BLM
 New Orleans OCS Office
 Hale Boggs Federal Building, Suite 841
 New Orleans, LA 70130
 A2: NODC

Date from: 10 10 77
 Date to: 11 10 77
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04
 Federal Support: BLM
 Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS
 Index 10 x 10 & 1 x 1: 7209

Biology:
 B01: X A1 A2 4 C14 uptake
 B02: X A1 A2 4 chlorophyll a
 B07: X A1 A2 4
 B08: X A1 A2 4
 B09: X A1 A2 4 taxonomy, hydrocarbons, & trace metals
 B10: X A1 A2 4
 B11: X A1 A2 4 trace metals & hydrocarbons
 B16: X A1 A2 4
 B18: X A1 A2 4 taxonomy-macroinfauna & meiofauna
 B30: X A1 A2 4 fluorescence
 B33: 3 A1 A2 4 epifauna
 B40: 1 A1 A2 4 trace metals-epifauna
 B59: X A1 A2 4 epifauna
 B62: X A1 A2 4

Dynamics:
 D01: X A1 A2 4
 D02: 1 mon

Geology/Geophysics:
 D10: 13 A1 A2 4
 G31: X A1 A2 4 sediment texture
 G32: X A1 A2 4 TOC & C13-sediments
 G32: X A1 A2 4 hydrocarbons & trace metals-sediments

Hydrography:
 H03: X A1 A2 4
 H04: X A1 A2 4
 H07: X A1 A2 4
 H08: X A1 A2 4
 H10: X A1 A2 4
 H16: X A1 A2 4 photic zone determination
 H17: X A1 A2 4 transmissometry
 H21: X A1 A2 4
 H22: X A1 A2 4
 H24: X A1 A2 4
 H26: X A1 A2 4
 H29: X A1 A2 4
 H30: X A1 A2 4 particulate
 H33: 13 A1 A2 4 hydrocarbons, LMW
 H34: X A1 A2 4 hydrocarbons, HMW-dissolved and particu

Meteorology:
 M06: 13 A1 A2 4

Pollution: P01: X A1 A2 4
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 Reference Number: R392503
 Expedition/Project: BLM-STOCS
 Cruise Number or Name: BLM-82-Fall benthic microbiology
 Ship or Platform: R/V Longhorn (WZL-3621)
 Platform Type: 01
 Country: USA
 Organization: University of Texas Marine Science
 Port Aransas Marine Lab
 Port Aransas, TX 78373

Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? yes
 Name: BLM-STOCS
 Co-ordinated Internationally? no
 Chief Scientist: Jim Ziesler
 Whom to Query: A1: Program Manager-NLM-STOCS, UTMSI/PAML
 or Contractor's Area Representative
 BLM
 New Orleans OCS Office
 Hale Boggs Federal Building, Suite 841
 New Orleans, LA 70130
 A2: NODC

Date from: 15 10 77
 Date to: 18 10 77
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04
 Federal Support: BLM
 Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS
 Index 10 x 10 & 1 x 1: 7209

Biology: B01: X A1 A2 4 C14 uptake
 B02: X A1 A2 4 chlorophyll a
 B07: X A1 A2 4
 B08: X A1 A2 4
 B09: X A1 A2 4 taxonomy, hydrocarbons, & trace metals
 B10: X A1 A2 4
 B11: X A1 A2 4 trace metals & hydrocarbons
 B16: 12 A1 A2 4
 B18: X A1 A2 4 taxonomy-macroinfauna & meiofauna
 B30: X A1 A2 4 fluorescence
 B33: X A1 A2 4 HMW-dissolved & particulate
 B33: X A1 A2 4 epifauna
 B40: X A1 A2 4 trace metals-epifauna
 B59: X A1 A2 4 epifauna
 B62: X A1 A2 4

Dynamics: D01: X A1 A2 4
 D02: 1 mon
 D10: 12 A1 A2 4

Geology/Geophysics: G31: 12 A1 A2 4 texture
 G32: X A1 A2 4 TOC & C13-sediments
 G32: X A1 A2 4 hydrocarbons & trace metals-sediments

Hydrography: H03: X A1 A2 4
 H04: X A1 A2 4

	H07:	X A1 A2 4	
	H08:	X A1 A2 4	
	H10:	X A1 A2 4	
	H16:	X A1 A2 4	photic zone determination
	H17:	X A1 A2 4	transmissometry
	H21:	X A1 A2 4	
	H22:	X A1 A2 4	
	H24:	X A1 A2 4	
	H26:	X A1 A2 4	
	H29:	X A1 A2 4	
	H30:	X A1 A2 4	particulate
	H33:	X A1 A2 4	hydrocarbons, LMW
Meteorology:	M06:	12 A1 A2 4	
Pollution:	P01:	X A1 A2 4	

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Reference Number:	R392504
Expedition/Project:	BLM-STOCS
Cruise Number or Name:	BLM-83-Fall histopathology/water/bacteriology
Ship or Platform:	R/V Longhorn (WZL-3621)
Platform Type:	01
Country:	USA
Organization:	University of Texas Marine Science Port Aransas Marine Lab Port Aransas, TX 78373
Declared National Program?	yes
Exchange Restricted?	no
Co-operative program?	yes
Name:	BLM-STOCS
Co-ordinated Internationally?	no
Chief Scientist:	Jim Ziesler
Whom to Query:	A1: Program Manager-NLM-STOCS, UTMSI/PAML or Contractor's Area Representative BLM New Orleans OCS Office Hale Boggs Federal Building, Suite 841 New Orleans, LA 70130
	A2: NODC
Date from:	20 10 77
Date to:	21 10 77
General Ocean Areas:	26
Type(s) of Marine Zone(s):	04
Federal Support:	BLM
Discipline & Type of Measurements:	GL GU GS D M HS HB HP HC P B BS
Index 10 x 10 & 1 x 1:	7209
Biology:	B01: X A1 A2 4 C14 uptake
	B02: X A1 A2 4 chlorophyll a
	B07: 3 A1 A2 4
	B08: X A1 A2 4
	B09: X A1 A2 4 taxonomy, hydrocarbons, & trace metals
	B10: X A1 A2 4
	B11: X A1 A2 4 trace metals & hydrocarbons
	B16: X A1 A2 4
	B18: X A1 A2 4 taxonomy-macroinfauna & meiofauna
	B30: X A1 A2 4 fluorescence

	B33:	X A1 A2 4	epifauna
	B40:	X A1 A2 4	trace metals-epifauna
	B59:	X A1 A2 4	epifauna
	B62:	X A1 A2 4	
Dynamics:	D01:	X A1 A2 4	
	D02:	1 mon	
	D10:	4 A1 A2 4	
Geology/Geophysics:	G31:	X A1 A2 4	sediment texture
	G32:	X A1 A2 4	TOC & C13-sediments
	G32:	X A1 A2 4	hydrocarbons & trace metals-sediments
Hydrography:	H03:	3 A1 A2 4	
	H04:	3 A1 A2 4	
	H07:	X A1 A2 4	
	H08:	X A1 A2 4	
	H10:	X A1 A2 4	
	H16:	X A1 A2 4	photic zone determination
	H17:	X A1 A2 4	transmissometry
	H21:	X A1 A2 4	
	H22:	X A1 A2 4	
	H24:	X A1 A2 4	
	H26:	X A1 A2 4	
	H29:	X A1 A2 4	
	H30:	X A1 A2 4	particulate
	H33:	X A1 A2 4	hydrocarbons, LMW
	H34:	X A1 A2 4	hydrocarbons, HMW-dissolved & particula
Meteorology:	M06:	4 A1 A2 4	
Pollution:	P01:	X A1 A2 4	

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Reference Number:	R392505
Expedition/Project:	BLM-STOCS
Cruise Number or Name:	BLM-84-Low molecular weight hydrocarbon cores
Ship or Platform:	R/V Longhorn (WZL-3621)
Platform Type:	01
Country:	USA
Organization:	University of Texas Marine Science Port Aransas Marine Lab Port Aransas, TX 78373
Declared National Program?	yes
Exchange Restricted?	no
Co-operative program?	yes
Name:	BLM-STOCS
Co-ordinated Internationally?	no
Chief Scientist:	Jim Ziesler
Whom to Query:	A1: Program Manager-NLM-STOCS, UTMSI/PAML or Contractor's Area Representative BLM New Orleans OCS Office Hale Boggs Federal Building, Suite 841 New Orleans, LA 70130 A2: NODC
Date from:	03 11 77
Date to:	04 11 77
General Ocean Areas:	26
Type(s) of Marine Zone(s):	04

Federal Support: BLM
 Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS
 Index 10 x 10 & 1 x 1: 7209

Biology:	B01:	X A1 A2 4	C14 uptake
	B02:	X A1 A2 4	chlorophyll a
	B07:	X A1 A2 4	
	B08:	X A1 A2 4	
	B09:	X A1 A2 4	taxonomy, hydrocarbons, & trace metals
	B10:	X A1 A2 4	
	B11:	X A1 A2 4	trace metals & hydrocarbons
	B16:	X A1 A2 4	
	B18:	X A1 A2 4	taxonomy-macroinfauna & meiofauna
	B30:	X A1 A2 4	fluorescence
	B33:	X A1 A2 4	epifauna
	B40:	X A1 A2 4	trace metals-epifauna
	B59:	X A1 A2 4	epifauna
	B62:	X A1 A2 4	
Dynamics:	D01:	X A1 A2 4	
	D02:	1 mon	
	D10:	X A1 A2 4	
Geology/Geophysics:	G31:	X A1 A2 4	sediment texture
	G32:	X A1 A2 4	TOC & C13-sediments
	G32:	X A1 A2 4	hydrocarbons & trace metals-sediments
Hydrography:	H03:	X A1 A2 4	
	H04:	X A1 A2 4	
	H07:	X A1 A2 4	
	H08:	X A1 A2 4	
	H10:	X A1 A2 4	
	H16:	X A1 A2 4	photic zone determination
	H17:	X A1 A2 4	transmissometry
	H21:	X A1 A2 4	
	H22:	X A1 A2 4	
	H24:	X A1 A2 4	
	H26:	X A1 A2 4	
	H29:	X A1 A2 4	
	H30:	X A1 A2 4	particulate
	H33:	25 A1 A2 4	hydrocarbons, LMW
	H34:	X A1 A2 4	hydrocarbons, HMW-dissolved and particu
Meteorology:	M06:	25 A1 A2 4	
Pollution:	P01:	X A1 A2 4	

 Reference Number: R392506
 Expedition/Project: BLM-STOCS
 Cruise Number or Name: BLM-85-November water column
 Ship or Platform: R/V Longhorn (WZL-3621)
 Platform Type: 01
 Country: USA
 Organization: University of Texas Marine Science
 Port Aransas Marine Lab
 Port Aransas, TX 78373
 Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? yes
 Name: BLM-STOCS

Co-ordinated Internationally? no
 Chief Scientist: Jim Ziesler
 Whom to Query: A1: Program Manager-NLM-STOCS, UTMSI/PAML
 or Contractor's Area Representative
 BLM
 New Orleans OCS Office
 Hale Boggs Federal Building, Suite 841
 New Orleans, LA 70130
 A2: NODC
 Date from: 05 11 77
 Date to: 06 11 77
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04
 Federal Support: BLM
 Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS
 Index 10 x 10 & 1 x 1: 7209
 Biology: B01: 3 A1 A2 4 C14 uptake
 B02: X A1 A2 4 chlorophyll a
 B07: 3 A1 A2 4
 B08: 3 A1 A2 4
 B09: 3 A1 A2 4 taxonomy
 B10: 3 A1 A2 4
 B11: X A1 A2 4 trace metals & hydrocarbons
 B16: X A1 A2 4
 B18: X A1 A2 4 taxonomy-macroinfauna & meiofauna
 B30: 1 A1 A2 4 fluorescence
 B33: X A1 A2 4 epifauna
 B40: X A1 A2 4 trace metals-epifauna
 B59: X A1 A2 4 epifauna
 B62: X A1 A2 4
 Dynamics: D01: X A1 A2 4
 D02: 1 mon
 D10: 3 A1 A2 4
 Geology/Geophysics: G31: X A1 A2 4 sediment texture
 G32: X A1 A2 4 TOC & C13-sediments
 G32: X A1 A2 4 hydrocarbons & trace metals-sediments
 Hydrography: H03: 7 A1 A2 4
 H04: 7 A1 A2 4
 H07: 7 A1 A2 4
 H08: 7 A1 A2 4
 H10: 7 A1 A2 4
 H16: 6 A1 A2 4 photic zone determination
 H17: X A1 A2 4 transmissometry
 H21: 6 A1 A2 4
 H22: 3 A1 A2 4
 H24: 3 A1 A2 4
 H26: 3 A1 A2 4
 H29: 3 A1 A2 4
 H30: 3 A1 A2 4 particulate
 H33: X A1 A2 4 hydrocarbons, LMW
 H34: X A1 A2 4 hydrocarbons, HMW-dissolved & particula
 Meteorology: M06: 7 A1 A2 4
 Pollution: P01: X A1 A2 4

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Reference Number: R392507
 Expedition/Project: BLM-STOCS
 Cruise Number or Name: BLM-86-November histopathology
 Ship or Platform: R/V Longhorn (WZL-3621)
 Platform Type: 01
 Country: USA
 Organization: University of Texas Marine Science
 Port Aransas Marine Lab
 Port Aransas, TX 78373

Declared National Program? yes

Exchange Restricted? no

Co-operative program? yes

Name: BLM-STOCS

Co-ordinated Internationally? no

Chief Scientist: Jim Ziesler

Whom to Query: A1: Program Manager-NLM-STOCS, UTMSI/PAML
 or Contractor's Area Representative
 BLM

New Orleans OCS Office

Hale Boggs Federal Building, Suite 841

New Orleans, LA 70130

A2: NODC

Date from: 17 11 77

Date to: 18 11 77

General Ocean Areas: 26

Type(s) of Marine Zone(s): 04

Federal Support: BLM

Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS

Index 10 x 10 & 1 x 1: 7209

Biology: B01: X A1 A2 4 C14 uptake
 B02: X A1 A2 4 chlorophyll a
 B07: X A1 A2 4
 B08: X A1 A2 4
 B09: X A1 A2 4 taxonomy, hydrocarbons, & trace metals
 B10: X A1 A2 4
 B11: X A1 A2 4 trace metals & hydrocarbons
 B16: X A1 A2 4
 B18: X A1 A2 4 taxonomy-macroinfauna & meiofauna
 B30: X A1 A2 4 fluorescence
 B33: X A1 A2 4 epifauna
 B40: X A1 A2 4 trace metals-epifauna
 B59: X A1 A2 4 epifauna
 B62: 4 A1 A2 4

Dynamics: D01: X A1 A2 4
 D02: 1 mon

Geology/Geophysics: D10: 4 A1 A2 4
 G31: X A1 A2 4 sediment texture
 G32: X A1 A2 4 TOC & C13-sediments
 G32: X A1 A2 4 hydrocarbons & trace metals-sediments

Hydrography: H03: X A1 A2 4
 H04: X A1 A2 4
 H07: X A1 A2 4
 H08: X A1 A2 4
 H10: X A1 A2 4

	H16:	X A1 A2 4	photic zone determination
	H17:	X A1 A2 4	transmissometry
	H21:	X A1 A2 4	
	H22:	X A1 A2 4	
	H24:	X A1 A2 4	
	H26:	X A1 A2 4	
	H29:	X A1 A2 4	
	H30:	X A1 A2 4	particulate
	H33:	X A1 A2 4	hydrocarbons, LMW
	H34:	X A1 A2 4	hydrocarbons, HMW-dissolved & particula
Meteorology:	M06:	4 A1 A2 4	
Pollution:	P01:	X A1 A2 4	

Reference Number:	R392508
Expedition/Project:	BLM-STOCS
Cruise Number or Name:	BLM-87-Epifauna/trawls/water/microbiology
Ship or Platform:	R/V Longhorn (WZL-3621)
Platform Type:	01
Country:	USA
Organization:	University of Texas Marine Science Port Aransas Marine Lab Port Aransas, TX 78373

Declared National Program?	yes
Exchange Restricted?	no
Co-operative program?	yes
Name:	BLM-STOCS
Co-ordinated Internationally?	no
Chief Scientist:	Jim Ziesler
Whom to Query:	A1: Program Manager-NLM-STOCS, UTMSI/PAML or Contractor's Area Representative BLM New Orleans OCS Office Hale Boggs Federal Building, Suite 841 New Orleans, LA 70130
	A2: NDDC

Date from:	20 11 77
Date to:	21 11 77
General Ocean Areas:	26
Type(s) of Marine Zone(s):	04
Federal Support:	BLM
Discipline & Type of Measurements:	GL GU GS D M HS HB HP HC P B BS
Index 10 x 10 & 1 x 1:	7209

Biology:	B01:	X A1 A2 4	C14 uptake
	B02:	X A1 A2 4	chlorophyll a
	B07:	3 A1 A2 4	
	B08:	X A1 A2 4	
	B09:	X A1 A2 4	taxonomy, hydrocarbons, & trace metals
	B10:	X A1 A2 4	
	B11:	X A1 A2 4	trace metals & hydrocarbons
	B16:	X A1 A2 4	
	B18:	6 A1 A2 4	taxonomy-macroinfauna & meiofauna
	B30:	X A1 A2 4	fluorescence
	B33:	X A1 A2 4	epifauna
	B40:	X A1 A2 4	trace metals-epifauna

	B59:	3 A1 A2 4	epifauna
	B62:	X A1 A2 4	
Dynamics:	D01:	X A1 A2 4	
	D02:	1 mon	
	D10:	6 A1 A2 4	
Geology/Geophysics:	G31:	6 A1 A2 4	sediment texture
	G32:	X A1 A2 4	TDC & C13-sediments
	G32:	X A1 A2 4	hydrocarbons & trace metals-sediments
Hydrography:	H03:	3 A1 A2 4	
	H04:	3 A1 A2 4	
	H07:	X A1 A2 4	
	H08:	X A1 A2 4	
	H10:	X A1 A2 4	
	H16:	X A1 A2 4	photic zone determination
	H17:	X A1 A2 4	transmissometry
	H21:	X A1 A2 4	
	H22:	X A1 A2 4	
	H24:	X A1 A2 4	
	H26:	X A1 A2 4	
	H29:	X A1 A2 4	
	H30:	X A1 A2 4	particulate
	H33:	X A1 A2 4	hydrocarbons, LMW
	H34:	X A1 A2 4	hydrocarbons, HMW-dissolved and particu
Meteorology:	M06:	6 A1 A2 4	
Pollution:	P01:	X A1 A2 4	

Reference Number:	R392509
Expedition/Project:	BLM-STOCS
Cruise Number or Name:	BLM-BB-Epifauna trawls
Ship or Platform:	R/V Longhorn (WZL-3621)
Platform Type:	01
Country:	USA
Organization:	University of Texas Marine Science Port Aransas Marine Lab Port Aransas, TX 78373
Declared National Program?	yes
Exchange Restricted?	no
Co-operative program?	yes
Name:	BLM-STOCS
Co-ordinated Internationally?	no
Chief Scientist:	Jim Ziesler
Whom to Query:	A1: Program Manager-NLM-STOCS, UTMSI/PAML or Contractor's Area Representative BLM New Orleans OCS Office Hale Boggs Federal Building, Suite B41 New Orleans, LA 70130
	A2: NDDC
Date from:	30 11 77
Date to:	01 12 77
General Ocean Areas:	26
Type(s) of Marine Zone(s):	04
Federal Support:	BLM
Discipline & Type of Measurements:	GL GU GS D M HS HB HP HC P B BS

Index 10 x 10 & 1 x 1:	7209	
Biology:	B01: X A1 A2 4	C14 uptake
	B02: X A1 A2 4	chlorophyll a
	B07: X A1 A2 4	
	B08: X A1 A2 4	
	B09: X A1 A2 4	taxonomy, hydrocarbons, & trace metals
	B10: X A1 A2 4	
	B11: X A1 A2 4	trace metals & hydrocarbons
	B16: X A1 A2 4	
	B18: X A1 A2 4	taxonomy-macroinfauna & meiofauna
	B30: X A1 A2 4	fluorescence
	B33: 3 A1 A2 4	epifauna
	B40: X A1 A2 4	trace metals-epifauna
	B59: 1 A1 A2 4	epifauna
	B62: X A1 A2 4	
Dynamics:	D01: X A1 A2 4	
	D02: 1 mon	
	D10: X A1 A2 4	
Geology/Geophysics:	G31: X A1 A2 4	sediment texture
	G32: X A1 A2 4	TOC & C13-sediments
	G32: X A1 A2 4	hydrocarbons & trace metals-sediments
Hydrography:	H03: X A1 A2 4	
	H04: X A1 A2 4	
	H07: X A1 A2 4	
	H08: X A1 A2 4	
	H10: X A1 A2 4	
	H16: X A1 A2 4	photic zone determination
	H17: 6 A1 A2 4	transmissometry
	H21: X A1 A2 4	
	H22: X A1 A2 4	
	H24: X A1 A2 4	
	H26: X A1 A2 4	
	H29: X A1 A2 4	
	H30: X A1 A2 4	particulate
	H33: X A1 A2 4	hydrocarbons, LMW
	H34: X A1 A2 4	hydrocarbons, HMW-dissolved and particu
Meteorology:	M06: 6 A1 A2 4	
Pollution:	P01: X A1 A2 4	

Reference Number:	R392510
Expedition/Project:	BLM-STOCS
Cruise Number or Name:	BLM-89-December water column
Ship or Platform:	R/V Longhorn (WZL-3621)
Platform Type:	01
Country:	USA
Organization:	University of Texas Marine Science Port Aransas Marine Lab Port Aransas, TX 78373
Declared National Program?	yes
Exchange Restricted?	no
Co-operative program?	yes
Name:	BLM-STOCS
Co-ordinated Internationally?	no
Chief Scientist:	Jim Ziesler

Whom to Query: A1: Program Manager-NLM-STOCS, UTMSI/PAML
 or Contractor's Area Representative
 BLM
 New Orleans OCS Office
 Hale Boggs Federal Building, Suite 841
 New Orleans, LA 70130

A2: NODC
 Date from: 02 12 77
 Date to: 03 12 77
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04
 Federal Support: BLM
 Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS
 Index 10 x 10 & 1 x 1: 7209

Biology: B01: 3 A1 A2 4 C14 uptake
 B02: 3 A1 A2 4 chlorophyll a
 B07: X A1 A2 4
 B08: 3 A1 A2 4
 B09: 3 A1 A2 4 taxonomy
 B10: X A1 A2 4
 B11: X A1 A2 4 trace metals & hydrocarbons
 B16: X A1 A2 4
 B18: X A1 A2 4 taxonomy-macroinfauna & meiofauna
 B30: 1 A1 A2 4 fluorescence
 B33: X A1 A2 4 epifauna
 B40: X A1 A2 4 trace metals-epifauna
 B59: X A1 A2 4 epifauna
 B62: X A1 A2 4
 Dynamics: D01: X A1 A2 4
 D02: 1 mon
 D10: 7 A1 A2 4
 Geology/Geophysics: G31: X A1 A2 4 sediment texture
 G32: X A1 A2 4 TOC & C13-sediments
 G32: X A1 A2 4 hydrocarbons & trace metals-sediments
 Hydrography: H03: 7 A1 A2 4
 H04: 7 A1 A2 4
 H07: 7 A1 A2 4
 H08: 7 A1 A2 4
 H10: 7 A1 A2 4
 H16: 6 A1 A2 4 photic zone determination
 H17: 6 A1 A2 4 transmissometry
 H21: 6 A1 A2 4
 H22: 3 A1 A2 4
 H24: 3 A1 A2 4
 H26: 3 A1 A2 4
 H29: 3 A1 A2 4
 H30: X A1 A2 4 particulate
 H33: X A1 A2 4 hydrocarbons, LMW
 H34: X A1 A2 4 hydrocarbons, HMW-dissolved & particula
 Meteorology: M06: 7 A1 A2 4
 Pollution: P01: X A1 A2 4

 Reference Number: R392511
 Expedition/Project: BLM-STOCS

Cruise Number or Name: BLM-90-December histopathology
 Ship or Platform: R/V Longhorn (W2L-3621)
 Platform Type: 01
 Country: USA
 Organization: University of Texas Marine Science
 Port Aransas Marine Lab
 Port Aransas, TX 78373

Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? yes
 Name: BLM-STOCS

Co-ordinated Internationally? no
 Chief Scientist: Jim Ziesler

Whom to contact: A1: Program Manager-NLM-STOCS, UTMSI/PAML
 or Contractor's Area Representative
 BLM
 New Orleans OCS Office
 Hale Boggs Federal Building, Suite 841
 New Orleans, LA 70130

A2: NODC

Date from: 14 12 77
 Date to: 15 12 77

General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04
 Federal Support: BLM

Discipline & Type of Measurements: GL GU GS D M HS HB HP HC P B BS
 Index 10 x 10 & 1 x 1: 7209

Biology:	B01:	X A1 A2 4	C14 uptake
	B02:	X A1 A2 4	chlorophyll a
	B07:	X A1 A2 4	
	B08:	X A1 A2 4	
	B09:	X A1 A2 4	taxonomy, hydrocarbons, & trace metals
	B10:	X A1 A2 4	
	B11:	X A1 A2 4	trace metals & hydrocarbons
	B16:	X A1 A2 4	
	B18:	X A1 A2 4	taxonomy-macroinfauna & meiofauna
	B30:	X A1 A2 4	fluorescence
	B33:	X A1 A2 4	epifauna
	B40:	X A1 A2 4	trace metals-epifauna
	B59:	X A1 A2 4	epifauna
	B62:	4 A1 A2 4	
Dynamics:	D01:	X A1 A2 4	
	D02:	1 mon	
	D10:	4 A1 A2 4	
Geology/Geophysics:	G31:	X A1 A2 4	sediment texture
	G32:	X A1 A2 4	TDC & C13-sediments
	G32:	X A1 A2 4	hydrocarbons & trace metals-sediments
Hydrography:	H03:	X A1 A2 4	
	H04:	X A1 A2 4	
	H07:	X A1 A2 4	
	H08:	X A1 A2 4	
	H10:	X A1 A2 4	
	H16:	X A1 A2 4	photic zone determination
	H17:	X A1 A2 4	transmissometry

	H21:	X A1 A2 4	
	H22:	X A1 A2 4	
	H24:	X A1 A2 4	
	H26:	X A1 A2 4	
	H29:	X A1 A2 4	
	H30:	X A1 A2 4	particulate
	H33:	X A1 A2 4	hydrocarbons, LMW
	H34:	X A1 A2 4	hydrocarbons, HMW-dissolved & particula
Meteorology:	M06:	4 A1 A2 4	
Pollution:	P01:	X A1 A2 4	

Reference Number:	R392512
Expedition/Project:	BLM-STOCS
Cruise Number or Name:	BLM-91-Water column/microbiology
Ship or Platform:	R/V Longhorn (WZL-3621)
Platform Type:	01
Country:	USA
Organization:	University of Texas Marine Science Port Aransas Marine Lab Port Aransas, TX 78373
Declared National Program?	yes
Exchange Restricted?	no
Co-operative program?	yes
Name:	BLM-STOCS
Co-ordinated Internationally?	no
Chief Scientist:	Jim Ziesler
Whom to Query:	A1: Program Manager-NLM-STOCS, UTMSI/PAML or Contractor's Area Representative BLM New Orleans OCS Office Hale Boggs Federal Building, Suite B41 New Orleans, LA 70130

	A2:	NODC										
Date from:	16	12	77									
Date to:	17	12	77									
General Ocean Areas:	26											
Type(s) of Marine Zone(s):	04											
Federal Support:	BLM											
Discipline & Type of Measurements:	GL	GU	GS	D	M	HS	HB	HP	HC	P	B	BS
Index 10 x 10 & 1 x 1:	7209											

Biology:	B01:	X A1 A2 4	C14 uptake
	B02:	X A1 A2 4	chlorophyll a
	B07:	3 A1 A2 4	
	B08:	X A1 A2 4	
	B09:	X A1 A2 4	taxonomy, hydrocarbons, & trace metals
	B10:	X A1 A2 4	
	B11:	X A1 A2 4	trace metals & hydrocarbons
	B16:	X A1 A2 4	
	B18:	X A1 A2 4	taxonomy-macroinfauna & meiofauna
	B30:	X A1 A2 4	fluorescence
	B33:	X A1 A2 4	epifauna
	B40:	X A1 A2 4	trace metals-epifauna
	B59:	X A1 A2 4	epifauna
	B62:	X A1 A2 4	

Dynamics:	D01:	X A1 A2 4	
	D02:	1 mon	
	D10:	3 A1 A2 4	
Geology/Geophysics:	G31:	X A1 A2 4	sediment texture
	G32:	X A1 A2 4	TOC & C13-sediments
	G32:	X A1 A2 4	hydrocarbons & trace metals-sediments
Hydrography:	H03:	3 A1 A2 4	
	H04:	3 A1 A2 4	
	H07:	X A1 A2 4	
	H08:	X A1 A2 4	
	H10:	X A1 A2 4	
	H16:	X A1 A2 4	photic zone determination
	H17:	X A1 A2 4	transmissometry
	H21:	X A1 A2 4	
	H22:	X A1 A2 4	
	H24:	X A1 A2 4	
	H26:	X A1 A2 4	
	H29:	X A1 A2 4	
	H30:	X A1 A2 4	particulate
	H33:	X A1 A2 4	hydrocarbons, LMW
	H34:	X A1 A2 4	hydrocarbons, HMW-dissolved & particula
Meteorology:	M06:	3 A1 A2 4	
Pollution:	P01:	X A1 A2 4	

Reference Number:	R392513
Expedition/Project:	BLM-STOCS
Cruise Number or Name:	BLM-92-Epifauna trawls
Ship or Platform:	R/V Longhorn (WZL-3621)
Platform Type:	01
Country:	USA
Organization:	University of Texas Marine Science Port Aransas Marine Lab Port Aransas, TX 78373
Declared National Program?	yes
Exchange Restricted?	no
Co-operative program?	yes
Name:	BLM-STOCS
Co-ordinated Internationally?	no
Chief Scientist:	Jim Ziesler
Whom to Query:	A1: Program Manager-NLM-STOCS, UTMSI/PAML or Contractor's Area Representative BLM New Orleans OCS Office Hale Boggs Federal Building, Suite 841 New Orleans, LA 70130
	A2: NODC
Date from:	18 12 77
Date to:	19 12 77
General Ocean Areas:	26
Type(s) of Marine Zone(s):	04
Federal Support:	BLM
Discipline & Type of Measurements:	GL GU GS D M HS HB HP HC P B BS
Index 10 x 10 & 1 x 1:	7209
Biology:	B01: X A1 A2 4 C14 uptake

	B02:	X A1 A2 4	chlorophyll a
	B07:	X A1 A2 4	
	B08:	X A1 A2 4	
	B09:	X A1 A2 4	taxonomy, hydrocarbons, & trace metals
	B10:	3 A1 A2 4	
	B11:	X A1 A2 4	trace metals & hydrocarbons
	B16:	X A1 A2 4	
	B18:	6 A1 A2 4	taxonomy-macroinfauna & meiofauna
	B30:	X A1 A2 4	fluorescence
	B33:	X A1 A2 4	epifauna
	B40:	X A1 A2 4	trace metals-epifauna
	B59:	3 A1 A2 4	epifauna
	B62:	X A1 A2 4	
Dynamics:	D01:	X A1 A2 4	
	D02:	1 mon	
	D10:	6 A1 A2 4	
Geology/Geophysics:	G31:	6 A1 A2 4	sediment texture
	G32:	X A1 A2 4	TDC & C13-sediments
	G32:	X A1 A2 4	hydrocarbons & trace metals-sediments
Hydrography:	H03:	X A1 A2 4	
	H04:	X A1 A2 4	
	H07:	X A1 A2 4	
	H08:	X A1 A2 4	
	H10:	X A1 A2 4	
	H16:	X A1 A2 4	photic zone determination
	H17:	X A1 A2 4	transmissometry
	H21:	X A1 A2 4	
	H22:	X A1 A2 4	
	H24:	X A1 A2 4	
	H26:	X A1 A2 4	
	H29:	X A1 A2 4	
	H30:	X A1 A2 4	particulate
	H33:	X A1 A2 4	hydrocarbons, LMI
	H34:	X A1 A2 4	hydrocarbons, HMW-dissolved and particu
Meteorology:	M06:	6 A1 A2 4	
Pollution:	P01:	X A1 A2 4	

Reference Number:	R392708
Expedition/Project:	Central Gulf of Mexico Platform Study
Cruise Number or Name:	Cruise I, Spring
Ship or Platform:	R/V Sea Transporter
Platform Type:	01
Country:	USA
Organization:	Bureau of Land Management US Department of the Interior
Declared National Program?	yes
Exchange Restricted?	no
Co-operative program?	yes
Co-ordinated Internationally?	no
Chief Scientist:	John W Cooper
Whom to Query:	A1: John W Cooper Southwest Research Institute B1: C A Bedinger Southwest Research Institute

C1: J H Baker
 Southwest Research Institute
 D1: D E Johnson
 Southwest Research Institute
 E1: J B Tilery
 Southwest Research Institute

Date from: 20 05 78
 Date to: 03 06 78
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04
 Federal Support: BLM
 Discipline & Type of Measurements: G GS D H B
 G GS D H B
 Index 10 x 10 & 1 x 1: 7209 80 B1 90 91
 7208 99

Biology: B11: 8 C 9
 B12: 8 C 9
 B16: 20 9
 B19: 8 9
 B21: 8 9
 B33: 68 D 9
 B51: 36 C
 B52: 36 C
 B54: 8 C
 B55: 36 C
 B57: 36 C
 B58: 36 C
 B59: 36 C
 B62: 12 B
 Dynamics: D05: 6 A 1
 D10: 44 A 1
 Geology/Geophysics: G02: 68 B 9
 G04: 24 B 9
 G14: 8 B 9
 G31: 68 B 9
 G32: 68 E 9
 Hydrography: H03: 8 A 1
 H04: 8 A 1
 H07: 8 A 1
 H08: 8 A 1
 H09: 8 A 1
 H16: 6 A 1
 H21: 8 A 1
 Meteorology: M05: 53 A 1
 Pollution: P03: 8 D 9
 P12: 8 9

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Reference Number: R392709
 Expedition/Project: Central Gulf of Mexico Platform Study
 Cruise Number or Name: Biofouling cruise 1
 Ship or Platform: F/V Tonya & Joe
 Platform Type: 14
 Country: USA
 Organization: Bureau of Land Management

Declared National Program? US Department of the Interior
 yes
 Exchange Restricted? no
 Co-operative program? yes
 Co-ordinated Internationally? no
 Chief Scientist: Larry L Martin
 Whom to Query: A1: Benny J Galloway
 LGL, Ltd, USA
 A2: BLM, OCS Program
 B1: C A Bedinger
 Southwest Research Institute
 Date from: 11 06 78
 Date to: 21 06 78
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04 07
 Federal Support: BLM
 Remarks: Program was committed to SCUBA diving for photography and
 sampling of biofouling organisms and associated fauna on
 petroleum production platforms.

Discipline & Type of Measurements: B
 Index 10 x 10 & 1 x 1: 7209 80 B1 90 91 99
 Biology: B11: 4 A1 A2 B 9
 B14: 4 A1 A2 B 9
 B17: 4 A1 A2 B 9
 B22: 4 A1 A2 B 9
 B24: 4 A1 A2 B 9
 B51: 4 A1 A2 B 9
 B52: 4 A1 A2 B 9
 B54: 4 A1 A2 9
 B55: 4 A1 A2 B 9
 B57: 4 A1 A2 B 9
 B58: 4 A1 A2 B 9
 B59: 4 A1 A2 B 9

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 Reference Number: R392723
 Expedition/Project: Dames & Moore Nos 3 and 4, MAFLA
 Cruise Number or Name: MAFLA winter 1978
 Ship or Platform: M/V Pacific Seal (DM-III)
 M/V Indian Seal (DM-IV)
 Platform Type: 02
 Country: USA
 Organization: Dames & Moore
 Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? no
 Co-ordinated Internationally? no
 Chief Scientist: L E Fausak (DM III)
 R Shipp (DM IV)
 W Bock (DM IV)
 Whom to Query: A1: Norman J Blake
 University of South Florida
 830 First Street South
 St Petersburg, FL 33701
 A2: BLM/NOAA-EDS

BI: Wayne D Bock
University of Miami
RSMAS
4600 Rickenbacker Causeway
Miami, FL 33149

CI: Stephen A Bortone
University of West Florida
Gamma College
Pensacola, FL 32504

DI: Keith E Cooksey
University of Miami
RSMAS
4600 Rickenbacker Causeway
Miami, FL 33149

EI: Larry J Doyle
University of South Florida
830 First Street South
St Petersburg, FL 33701

FI: Leland E Fausak
Dames & Moore
One Shell Square, Suite 4530
New Orleans, LA 70139

GI: George Gould
Analytical Research Labs, Inc
160 Taylor Street
Monrovia, CA 91016

HI: Thomas S Hopkins
University of Alabama
Marine Science Programs Lab
Dauphin Island Sea Lab, Box 386
Dauphin Island, AL 36528

II: Susan Ivester
University of Alabama
Marine Science Programs Lab
Dauphin Island Sea Lab, Box 386
Dauphin Island, AL 36528

JI: John Trefry
TerEco Corporation
PO Box 2848
College Station, TX 77840

KI: Thomas B Scanland
Dames & Moore
One Shell Square, Suite 4530
New Orleans, LA 70139

LI: Robert F Shokes
Science Applications, Inc
PO Box 1454, 7946 Ivanhoe
La Jolla, CA 93038

MI: Robert E Shipp
University of Alabama
Marine Science Programs Lab
Dauphin Island Sea Lab, Box 386
Dauphin Island, AL 36528

NI: Barry A Vittor

Barry A Vittor & Associates
PO Box 114
Dauphin Island, AL 36528

O1: Peter J Betzer
University of South Florida
830 First Street South
St Petersburg, FL 33701

P1: Kendall L Carder
University of South Florida
830 First Street South
St Petersburg, FL 33701

Q1: Lela M Jeffrey
Texas A&M University
Department of Oceanography
College Station, TX 77843

R1: John Caldwell
University of Florida
428 Bartram East
Gainesville, FL 32611

S1: Sneed Collard
University of West Florida
Gamma College
Pensacola, FL 32504

Date from: 01 02 78

Date to: 22 02 78

General Ocean Areas: 26

Type(s) of Marine Zone(s): 07

Remarks: The primary purpose of this cruise was to collect water column (DM-III) and benthic (DM-IV) benchmark environmental data within the MAFLA OCS area of BLM.
(see Attachment 3 for chart of stations)

Discipline & Type of Measurements: GL GS HS HP HC B BS

Index 10 x 10 & 1 x 1: 7208

B04:	158	Q1	A1	1	4	7	
B06:	158	Q1	A1	1	4	7	
B09:	X	R1	A1	1	4	7	
B10:	X	S1	A1	1	4	7	
B13:	X	S1	A1	1	4	7	
B18:	X	A1	A1	1	4	7	
B18:	X	B1	A1	1	4	7	
B18:	X	C1	A1	1	4	7	
B18:	X	H1	A1	1	4	7	
B18:	X	I1	A1	1	4	7	
B18:	X	M1	A1	1	4	7	
B18:	X	N1	A1	1	4	7	
B33:	X	G1	A1	1	4	7	
B35:		D1	A1	1	4	7	
B40:		G1	A1	1	4	7	trace metals
B40:		L1	A1	1	4	7	trace metals
B40:		R1	A1	1	4	7	trace metals
B52:	X	K1	A1	1			
B54:	X	A1	A1	1	4	7	
B54:	X	B1	A1	1	4	7	
B54:	X	C1	A1	1	4	7	

	B54:	X H1 A1 1 4 7	
	B54:	X K1 A1 1 4 7	
	B54:	X M1 A1 1 4 7	
	B54:	X R1 A1 1 4 7	
	B54:	X S1 A1 1 4 7	
	B55:	X A1 A1 1	
	B55:	X B1 A1 1	
	B55:	X C1 A1 1	
	B55:	X H1 A1 1	
	B55:	X K1 A1 1	
	B55:	X M1 A1 1	
	B55:	X R1 A1 1	
	B55:	X S1 A1 1	
	B57:	X K1 A1 1 4 7	
	B59:	X A1 A1 1 4 7	
	B59:	X B1 A1 1 4 7	
	B59:	X C1 A1 1 4 7	
	B59:	X H1 A1 1 4 7	
	B59:	X K1 A1 1 4 7	
	B59:	X M1 A1 1 4 7	
	B59:	X R1 A1 1 4 7	
	B59:	X S1 A1 1 4 7	
	B62:	X A1 A1 1	
Geology/Geophysics:	G04:	397 E1 A1 1 4 7	
	G04:	397 E1 A1 1 4 7	
	G31:	E1 A1 1 4 7	
	G32:	397 E1 A1 1 4 7	calcium carbonate
	G32:	156 E1 A1 1 4 7	suspended clay mineralogy
	G32:	X E1 A1 1 4 7	trace metals, TOC & hydrocarbons
	G32:	X G1 A1 1 4 7	trace metals, TOC & hydrocarbons
	G32:	X J1 A1 1 4 7	trace metals, TOC & hydrocarbons
	G32:	X K1 A1 1 4 7	trace metals, TOC & hydrocarbons
	G32:	X L1 A1 1 4 7	trace metals, TOC & hydrocarbons
Hydrography:	H03:	265 F1 A1 1 4 7	
	H04:	265 F1 A1 1 4 7	
	H07:	265 F1 A1 1 4 7	
	H08:	265 F1 A1 1 4 7	
	H10:	236 F1 A1 1	
	H16:	233 P1 A1 1	transmissometry profiles
	H17:	X F1 A1 1 4 7	photometry profiles
	H17:	X P1 A1 1	light scattering
	H30:	68 L1 A1 1 4 7	suspended sediments
	H30:	68 O1 A1 1 4 7	suspended sediments
	H34:	68 Q1 A1 1 4 7	hydrocarbons, HMW-dissolved and particu

Reference Number:	R392861
Expedition/Project:	Central Gulf of Mexico Platform Study
Cruise Number or Name:	Cruise II-B, Trawling and diving
Ship or Platform:	F/V Tonya & Joe
Platform Type:	14
Country:	USA
Organization:	Southwest Research Institute
Declared National Program?	yes
Exchange Restricted?	no

Co-operative program? yes
 Co-ordinated Internationally? no
 Chief Scientist: C A Bedinger, Jr
 Whom to Query: A1: C A Bedinger
 Southwest Research Institute
 A2: BLM, OCS Program
 USDI
 18th & C Streets, NW
 Washington, DC 20240
 Date from: 21 08 78
 Date to: 06 09 78
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 01 04 07 08
 Federal Support: BLM
 Remarks: Program was for the purpose of recovering petroleum
 production platform associated fish and bottom fish and
 invertebrates for analysis for hydrocarbon contamination,
 trace metals analysis and histopathology. Taxonomic samples
 and observations were also done.

Discipline & Type of Measurements: D HS B BS

Index 10 x 10 & 1 x 1: 7209

Biology: B14: 20 A1 A2 1
 B19: 24 A1 A2 1
 B20: 24 A1 A2 1
 B21: 24 A1 A2 1
 B59: 24 A1 A2 1
 B62: 24 A1 A2 1
 Dynamics: D10: 24 A1 A2 1
 Hydrography: H03: 3 A1 A2 1

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Reference Number: R393480
 Expedition/Project: BLM TAMU 3839 BLM/DCS - Topographic Features
 Cruise Number or Name: 3rd Diving cruise
 Ship or Platform: R/V G A Rounsefell
 Platform Type: 01
 Country: USA
 Organization: Department of the Interior
 Bureau of Land Management

Declared National Program? yes
 Exchange Restricted? no
 Co-operative program? no
 Co-ordinated Internationally? no
 Chief Scientist: Dr Thomas S Hopkins
 Whom to Query: A1: Dr Thomas S Hopkins
 University of Alabama
 Dauphin Island, AL 36528
 A2: USDI, BLM (COAR/Robert Rogers) New Orleans
 Date from: 26 03 79
 Date to: 30 03 79
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 07
 Latitude: (see form)
 Longitude: (see form)
 Remarks: Cruise conducted at Florida Middle Ground.

Discipline & Type of Measurements: GL D M B BS HP HC

Index 10 x 10 & 1 x 1: 7208 84

Biology: B17: 2 A1 A2 9
B18: 2 A1 A2 9
B22: 2 A1 A2 9
B51: 2 A1 A2 9
B55: 2 A1 A2 9
B57: 2 A1 A2 9

Dynamics: D01: 2 A1 A2 B 9
D02: 300 A1 A2 B 9
D90: 2 A1 A2 B 9

salinity/temperature

Geology/Geophysics: G08: 2 A1 A2 B

Hydrography: H10: 2 A1 A2 3
H16: 1 A1 A2 3
H21: 2 A1 A2 9
H22: 2 A1 A2 9
H24: 2 A1 A2 9
H26: 2 A1 A2 9

Meteorology: M05: 2 A1 A2 0

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Reference Number: R394017
Expedition/Project: BLM - IXTOC Damage Assessment
Cruise Number or Name: DA01
Ship or Platform: F/V Tonya & Joe
Platform Type: 02
Country: USA
Organization: Energy Resources Co, Inc
Declared National Program? yes
Exchange Restricted? yes
Co-operative program? no
Co-ordinated Internationally? no
Chief Scientist: Dr Paul Boehm

Whom to Query: A1: Paul Boehm
ERCO
185 Alewife Brook Parkway
Cambridge, MA 02138
A2: Paul Boehm
ERCO
B1: Randall Howard
LGL
1410 Cavitt Street
Bryan, TX 77801
B2: Randall Howard
LGL

Date from: 02 12 80
Date to: 13 12 80
General Ocean Areas: 26
Type(s) of Marine Zone(s): 01 08
Federal Support: BLM

Remarks: Figure 1. Actual Cruise Track, Ixtoc Oil Spill Assessment, Dec. 1980, South Texas Stations.
Figure 2. Actual Cruise Track, Ixtoc Oil Spill Assessment, Dec. 1980, Galveston Stations.

Discipline & Type of Measurements: GL GS P B BS

Index 10 x 10 & 1 x 1: 7209

Biology: B11: 40 A1 A2 9 otter trawl
 B18: 240 B1 B2 1
 B51: X B1 B2 1
 B52: X B1 B2 1
 B53: X B1 B2 1
 B55: X B1 B2 1
 B59: X B1 B2 1

Geology/Geophysics: G02: 44 A1 A2 9
 G31: A1 A2 1
 G32: A1 A2 1

Pollution: P03: 40 A1 A2 1
 P13: 40 A1 A2 1

Reference Number: R394090
 Expedition/Project: Southwest Florida Shelf Ecosystems Study
 Cruise Number or Name: BLM-210 Cruise III: Biological and environmental sampling
 Ship or Platform: M/V Venture
 Platform Type: 02
 Country: USA
 Organization: Woodward-Clyde Consultants (for BLM)
 Declared National Program? yes
 Exchange Restricted? yes
 Co-operative program? no
 Co-ordinated Internationally? no
 Chief Scientist: Dr David Gettleton

Whom to Query: A1: Woodward-Clyde Consultants*
 Continental Shelf Associates, Inc
 3489 Kurtz Street
 PO Box 81848
 San Diego, CA 92138
 A2: BLM
 New Orleans OCS Office**
 Hale Boggs Federal Building
 500 Camp Street
 New Orleans, LA 70130

Date from: 25 10 80
 Date to: 23 11 80
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04 07
 Federal Support: BLM
 Remarks: *Attention: Dr Keith B Macdonald
 **Attention: Dr Murray Brown
 (A91) BLM - OCS Environmental Studies Program
 Southwest Florida Shelf

Discipline & Type of Measurements: GU GS M HS HP HC P B BS
 Index 10 x 10 & 1 x 1: 7208 42 43 52 53 62 63

Biology: B17: 30 A1 A2 8 9
 B18: 30 A1 A2 8 9
 B22: 30 A1 A2 8 9
 B35: 30 A1 A2 1 chlorophyll a
 B51: 30 A1 A2 8 9
 B52: 30 A1 A2 8 9
 B55: 30 A1 A2 8 9

B57: 30 A1 A2 B 9
 B59: 30 A1 A2 B 9
Geology/Geophysics: G21: 40 A1 A2 6
 G23: 40 A1 A2 3
 G31: 15 A1 A2 1
 G32: 15 A1 A2 1
Hydrography: H03: 30 A1 A2 1
 H04: 30 A1 A2 1
 H07: 30 A1 A2 1
 H08: 30 A1 A2 1
 H10: 30 A1 A2 1
 H16: 30 A1 A2 1
 H17: 12 A1 A2 1 photometry
 H21: 30 A1 A2 1
 H22: 30 A1 A2 1
 H24: 30 A1 A2 1
 H25: 30 A1 A2 1
 H26: 30 A1 A2 1
Meteorology: M06: 127 A1 A2 1
Pollution: P11: 30 A1 A2 1 yellow substance

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Reference Number: R394091
Expedition/Project: Southwest Florida Shelf Ecosystems Study
Cruise Number or Name: BLM-210 Cruise II: Underwater camera/TV
Ship or Platform: M/V Venture
Platform Type: 02
Country: USA
Organization: Woodward-Clyde Consultants (for BLM)
Declared National Program? yes
Exchange Restricted? yes
Co-operative program? no
Co-ordinated Internationally? no
Chief Scientist: Dr Jan Rietman
 WCC
 Dr David Gettleton
 Continental Shelf Associates, Inc
Whom to Query: A1: Woodward-Clyde Consultants*
 3489 Kurtz Street
 PO Box 81848
 San Diego, CA 92138
 A2: BLM
 New Orleans OCS Office**
 Hale Boggs Federal Building
 500 Camp Street
 New Orleans, LA 70130
Date from: 10 10 80
Date to: 21 10 80
General Ocean Areas: 26
Type(s) of Marine Zone(s): 04 07
Federal Support: BLM
Remarks: *Attention: Dr Keith B Macdonald
 **Attention: Dr Murray Brown
 (A91) BLM - OCS Environmental Studies Program
 Southwest Florida Shelf

Discipline & Type of Measurements: GL GU M
 Index 10 x 10 & 1 x 1: 7208 42 43 52 53 62 63
 Geology/Geophysics: 608: 7000 A1 A2 8 # photos
 621: 480 A1 A2 6
 631: 480 A1 A2 3
 Meteorology: M06: 61 A1 A2 1

 Reference Number: R394092
 Expedition/Project: Southwest Florida Shelf Ecosystems Study
 Cruise Number or Name: BLM-210 Cruise I: Geophysics
 Ship or Platform: M/V Venture
 Platform Type: 02
 Country: USA
 Organization: Woodward-Clyde Consultants (for BLM)
 Declared National Program? yes
 Exchange Restricted? yes
 Co-operative program? no
 Co-ordinated Internationally? no
 Chief Scientist: Dr Jan Rietman (WCC)
 Whom to Query: A1: Woodward-Clyde Consultants*
 PO Box 1149
 Orange, CA 92668
 A2: BLM

Date from: 08 09 80
 Date to: 08 10 80
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 07
 Federal Support: BLM
 Remarks: *Attention: Dr Jan D Rietman
 **Attention: Dr Murray Brown
 (A91) BLM - OCS Environmental Studies Program
 Southwest Florida Shelf

Discipline & Type of Measurements: GU
 Index 10 x 10 & 1 x 1: 7208 42 53 54
 Geology/Geophysics: 623: 1200 A1 A2 3
 624: 1200 A1 A2 3
 625: 1200 A1 A2 3 6

 Reference Number: R394182
 Expedition/Project: Southwest Florida Shelf Ecosystems Study
 Cruise Number or Name: BLM-210 Cruise IV: Biological and environmental sampling
 Ship or Platform: M/V Venture
 Platform Type: 02
 Country: USA
 Organization: Woodward-Clyde Consultants (for BLM)
 Declared National Program? yes
 Exchange Restricted? yes
 Co-operative program? no
 Co-ordinated Internationally? no
 Chief Scientist: Keith Spring

Whom to Query: Continental Shelf Associates, Inc
 A1: Woodward-Clyde Consultants*
 3489 Kurtz Street
 PO Box 81848
 San Diego, CA 92138
 A2: BLM
 New Orleans OCS Office**
 Hale Boggs Federal Building
 500 Camp Street
 New Orleans, LA 70130
 Date from: 22 04 81
 Date to: 05 05 81
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 04 07
 Federal Support: BLM
 Remarks: *Attention: Dr Keith B Macdonald
 **Attention: Dr Murray Brown
 (A91) BLM - OCS Environmental Studies Program,
 Southwest Florida Shelf

Discipline & Type of Measurements: GU GS M HS HP HC P B BS
 Index 10 x 10 & 1 x 1: 7208 42 43 52 53 62 63

Biology: B17: 30 A1 A2 B 9
 B18: 30 A1 A2 B 9
 B22: 30 A1 A2 B 9
 B35: 30 A1 A2 1 chlorophyll a
 B51: 30 A1 A2 B 9
 B52: 30 A1 A2 B 9
 B55: 30 A1 A2 B 9
 B57: 30 A1 A2 B 9
 B59: 30 A1 A2 B 9

Geology/Geophysics: G21: 40 A1 A2 6
 G23: 40 A1 A2 3
 G31: 15 A1 A2 1
 G32: 15 A1 A2 1

Hydrography: H03: 30 A1 A2 1
 H04: 30 A1 A2 9
 H07: 30 A1 A2 1
 H08: 30 A1 A2 1
 H10: 30 A1 A2 1
 H16: 30 A1 A2 1
 H21: 30 A1 A2 1
 H22: 30 A1 A2 1
 H24: 30 A1 A2 1
 H25: 30 A1 A2 1
 H26: 30 A1 A2 1

Meteorology: M06: 66 A1 A2 1
 Pollution: P11: 30 A1 A2 1 yellow substance

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 Reference Number: R394254
 Expedition/Project: US Gulf Coast Resource Assessment
 Cruise Number or Name: 81-1
 Ship or Platform: R/V Longhorn
 Platform Type: 01
 Country: USA

Organization: US Geological Survey
 Woods Hole, MA
Declared National Program? no
Exchange Restricted? yes
Co-operative program? no
Co-ordinated Internationally? no
Chief Scientist: Frank T Manheim
Whom to Query: A1: Frank T Manheim
 USGS
 Woods Hole, MA 02543

Date from: 22 05 81
Date to: 25 05 81
General Ocean Areas: 26
Type(s) of Marine Zone(s): 07
Federal Support: USGS, BLM
Discipline & Type of Measurements: GL GU
Index 10 x 10 & 1 x 1: 7208
Geology/Geophysics: G04: 15 A1 A2 9
 G23: 166 A1 A2 0

Reference Number: R394273
Expedition/Project: Southwest Florida Shelf Ecosystems Study - Year 2
Cruise Number or Name: BLM-321 Cruise II: Biological and hydrographic sampling
Ship or Platform: M/V Venture
Platform Type: 02
Country: USA
Organization: Woodward-Clyde Consultants (for BLM)
Declared National Program? no
Exchange Restricted? no
Co-operative program? no
Co-ordinated Internationally? no
Chief Scientist: Keith Spring
 Continental Shelf Associates, Inc
Whom to Query: Woodward-Clyde Consultants*
 PO Box 81848
 San Diego, CA 92138
 A2: BLM
 New Orleans DCS Office**
 Hale Boggs Federal Building
 500 Camp Street
 New Orleans, LA 70130

Date from: 16 07 81
Date to: 05 08 81
General Ocean Areas: 26
Type(s) of Marine Zone(s): 04 07
Federal Support: BLM
Remarks: *Attention: Dr Keith B Macdonald
 **Attention: Dr Murray Brown
Discipline & Type of Measurements: GL GU GS M HC B BS HS HP
Index 10 x 10 & 1 x 1: 7208 42 43 52 53 54 62 63 64
Biology: B35: 15 A1 A2 9 chlorophyll a
Geology/Geophysics: G01: 1 A1 A2 9
 G21: 30 A1 A2 6
 G23: 30 A1 A2 3

	G29:	6137 A1 A2 8	still photography
	G31:	15 A1 A2 9	
	G32:	15 A1 A2 9	
Hydrography:	H03:	15 A1 A2 1	
	H04:	15 A1 A2 9	
	H07:	15 A1 A2 1	
	H08:	15 A1 A2 9	
	H10:	15 A1 A2 1	
	H16:	15 A1 A2 1	
	H21:	15 A1 A2 1	
	H22:	15 A1 A2 9	
	H24:	15 A1 A2 9	
	H25:	15 A1 A2 9	
	H26:	15 A1 A2 9	
Meteorology:	M06:	91 A1 A2 1	

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Reference Number:          R394274
Expedition/Project:       Southwest Florida Shelf Ecosystems Study - Year 2
Cruise Number or Name:   BLM-321 Cruise I: Geophysics/photography
Ship or Platform:        M/V Venture
Platform Type:           02
Country:                 USA
Organization:            Woodward-Clyde Consultants (for BLM)
Declared National Program? no
Exchange Restricted?     no
Co-operative program?    no
Co-ordinated Internationally? no
Chief Scientist:        Dr David Gettleson
                        Continental Shelf Associates, Inc
Whom to Query:          A1: Woodward-Clyde Consultants
                        PO Box 81848
                        San Diego, CA 92138
                        A2: BLM
                        New Orleans OCS Office**
                        Hale Boggs Federal Building
                        500 Camp Street
                        New Orleans, LA 70130
Date from:              08 07 81
Date to:                15 07 81
General Ocean Areas:    26
Type(s) of Marine Zone(s): 07
Federal Support:        BLM
Remarks:               *Attention: Dr Keith B Macdonald
                        **Attention: Dr Murray Brown
Discipline & Type of Measurements: M GU B
  Index 10 x 10 & 1 x 1: 7208 43 53 54 63 64
Biology:               B17: 6 A1 A2 6 8
                       B18: 6 A1 A2 6 8
                       B22: 6 A1 A2 6 8
                       B52: 6 A1 A2 6 8
                       B53: 6 A1 A2 6 8
                       B55: 6 A1 A2 6 8
Geology/Geophysics:    G21: 160 A1 A2 6
                       G23: 53 A1 A2 3

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624: 63 A1 A2 2
 625: 68 A1 A2 2
 629: 600 A1 A2 8 still photography
 M06: 44 A1 A2 1

Meteorology:
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Reference Number: R394440
Expedition/Project:
Cruise Number or Name: 82FARN-7
Ship or Platform: M/T Farnella
Platform Type: 01
Country: USA
Organization: US Geological Survey, Corpus Christi, TX
Co-operative program? yes
Name: USG~/IOS
Co-ordinated Internationally? yes
By Whom? A1
Chief Scientist: Louis E Garrison
 Neil Kenyon
Whom to Query: A1: L E Garrison
 USGS
 Box 6732
 Corpus Christi, TX
 B1: E Escowite
 USGS
 Reston, VA
Date from: 02 02 82
Date to: 24 02 82
General Ocean Areas: 26
Type(s) of Marine Zone(s): 08
Federal Support: USGS
Remarks: A cooperative program between USGS and IOS(UK) for GLORIA
 long-range side scan survey.
Discipline & Type of Measurements: GU HP
Index 10 x 10 & 1 x 1: 7209
Geology/Geophysics: 623: 4126 A1 3
 624: 4126 A1 7
 625: 4126 A1 6
Hydrography: H13: 69 B1 3
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Reference Number: R394475
Expedition/Project: Shelf Ecosystems Study - Yr 2
Cruise Number or Name: 6-82-2 Cruise I: Hydrography and primary productivity
Ship or Platform: R/V Gyre
Platform Type: 01
Country: USA
Organization: Woodward-Clyde Consultants (for BLM)
Declared National Program? no
Exchange Restricted? no
Co-operative program? no
Co-ordinated Internationally? no
Chief Scientist: Dr James A Yoder
 Skidway Institute of Oceanography
Whom to Query: A1: Woodward-Clyde Consultants
 PO Box 81848

San Diego, CA 92138
 A2: BLM
 New Orleans Office
 Hale Boggs Federal Building
 500 Camp Street
 New Orleans, LA 70130

Date from: 01 04 82
 Date to: 07 04 82
 General Ocean Areas: 26
 Type(s) of Marine Zone(s): 07 08
 Federal Support: BLM
 Remarks: *Attention: Dr Hong Chin
 **Attention: Dr Robert Avent

Discipline & Type of Measurements: M HS HP HC B
 Index 10 x 10 & 1 x 1: 7208 53 54 63 64 65 73 74

Biology:	B01: 88 A1 A2 1	
	B08: 40 A1 A2 1	
	B30: 270 A1 A2 3	continuous surface fluorescence records
Hydrography:	H01: 270 A1 A2 7	
	H02: 270 A1 A2 7	
	H04: 51 A1 A2 1	
	H10: 32 A1 A2 7	
	H13: 67 A1 A2 7	
	H16: 10 A1 A2 1	
	H17: 32 A1 A2 1	
	H21: 275 A1 A2 1	
	H22: 348 A1 A2 1	
	H26: 348 A1 A2 1	
	H90: 348 A1 A2 1	ammonia
	H90: 348 A1 A2 1	nitrate + nitrite
Meteorology:	M06: 110 A1 A2 1	
Pollution:	P01: 40 A1 A2 1	



The Department of the Interior Mission

As the Nation's principal conservation agency, the Department of the Interior has responsibility for most of our nationally owned public lands and natural resources. This includes fostering sound use of our land and water resources; protecting our fish, wildlife, and biological diversity; preserving the environmental and cultural values of our national parks and historical places; and providing for the enjoyment of life through outdoor recreation. The Department assesses our energy and mineral resources and works to ensure that their development is in the best interests of all our people by encouraging stewardship and citizen participation in their care. The Department also has a major responsibility for American Indian reservation communities and for people who live in island territories under U.S. administration.



The Minerals Management Service Mission

As a bureau of the Department of the Interior, the Minerals Management Service's (MMS) primary responsibilities are to manage the mineral resources located on the Nation's Outer Continental Shelf (OCS), collect revenue from the Federal OCS and onshore Federal and Indian lands, and distribute those revenues.

Moreover, in working to meet its responsibilities, the **Offshore Minerals Management Program** administers the OCS competitive leasing program and oversees the safe and environmentally sound exploration and production of our Nation's offshore natural gas, oil and other mineral resources. The MMS **Minerals Revenue Management** meets its responsibilities by ensuring the efficient, timely and accurate collection and disbursement of revenue from mineral leasing and production due to Indian tribes and allottees, States and the U.S. Treasury.

The MMS strives to fulfill its responsibilities through the general guiding principles of: (1) being responsive to the public's concerns and interests by maintaining a dialogue with all potentially affected parties and (2) carrying out its programs with an emphasis on working to enhance the quality of life for all Americans by lending MMS assistance and expertise to economic development and environmental protection.