



IODP
INTEGRATED OCEAN
DRILLING PROGRAM

INTEGRATED OCEAN DRILLING PROGRAM
United States Implementing Organization

Consortium for Ocean Leadership, Inc.
Lamont-Doherty Earth Observatory of Columbia University
Texas A&M University

FY08 ANNUAL PROGRAM PLAN
to IODP-MI

For Time Period
1 October 2007 to 30 September 2008

Amount Proposed FY08: \$37,772,930 (SOC and POC)
Amount Proposed FY08: \$5,281,257 (SOC Nonoperations)
Amount Proposed FY08: \$32,491,673 (POC)



Integrated Ocean Drilling Program
United States Implementing Organization

Respectfully Submitted to:
IODP Management International, Inc.

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1. INTRODUCTION

1.1. ANNUAL PROGRAM PLAN OVERVIEW

The FY08 Annual Program Plan defines the U.S. Implementing Organization (USIO) scope of work for Integrated Ocean Drilling Program (IODP) activities and deliverables for the FY08 fiscal year. This Annual Program Plan replaces the 13 September 2007 submission. For the period of October 2007 through February 2008, it is based on (1) the previously stated mission forecast provided for the USIO by the U.S. National Science Foundation (NSF) and the IODP central management office (IODP Management International, Inc. [IODP-MI]) and (2) the USIO operations schedule approved by the Operations Task Force (OTF) and the Science Planning Committee (SPC) as of September 2007. For the remainder of the fiscal year, this Annual Program Plan is based on (1) the current mission forecast provided for the USIO by NSF and IODP-MI, (2) the draft USIO operations schedule awaiting final approval by the OTF and the SPC, and (3) the inclusion of ship operations costs for November and December 2007, which were previously included in the NSF-funded Major Research Equipment and Facility Construction U.S. Scientific Ocean Drilling Vessel (SODV) conversion project budget. It is also tied to the schedule for completion of the SODV conversion project, which may change over the coming months. It recognizes that the complex nature of IODP operations will require Annual Program Plans spanning operational years to establish priorities and to allow the procurement of long-lead time equipment and services.

In FY04, the Consortium for Ocean Leadership, Inc. (Ocean Leadership), formerly known as Joint Oceanographic Institutions, established subcontracts with the College of Geosciences at Texas A&M University (TAMU) through the Texas A&M Research Foundation (TAMRF) and with the Lamont-Doherty Earth Observatory (LDEO) of Columbia University, formally establishing the USIO.¹ In FY05, Ocean Leadership established a contract with IODP-MI for the science operating costs (SOC) of the USIO, which complemented the contract with NSF for platform operating costs (POC). Under guidance from NSF and IODP-MI, the USIO FY08 Annual Program Plan was developed in consultation with the USIO subcontractors for inclusion in the IODP FY08 Annual Program Plan.

IODP-MI, with input from IODP funding agencies, has provided guidance and instruction to the USIO on the preparation of the USIO contribution to the IODP FY08 Annual Program Plan. The USIO FY08 Annual Program Plan includes a discussion of the goals of the USIO, all responsibilities and deliverables, operational schedule, definitions of projects, and the USIO organizational structure for all science operations and platform operations activities. Also included are the required budgets that incorporate funding allocations from IODP-MI for science operations and funding allocations from NSF for platform operations.

On behalf of the USIO and as outlined in this Annual Program Plan, TAMRF has contracted with Overseas Drilling Limited (ODL) for the services of an SODV called the RV *JOIDES Resolution*, which is being converted for use as the riserless drilling vessel for USIO operations in FY08. In support of the drilling vessel and with the approval of NSF and IODP-MI, the USIO will provide an array of science, operations, logging, engineering, information technology, technical, and publications services; laboratory facilities; core repositories; and administrative services necessary to support IODP. In addition, LDEO has contracted with Schlumberger for the provision of downhole logging equipment and engineering support beginning in FY08 and beyond.

¹ In this document, references to TAMU include TAMRF.

1.2. USIO FY08 ACTIVITIES

1.2.1. Summary of FY08 USIO Scope

The scope of activities associated with initial planning and preparation of IODP expeditions is similar to previous Ocean Drilling Program (ODP) and early IODP activities in terms of deliverables, challenges, and risks. In addition, the USIO will also carry out the postexpedition activities related to the early IODP expeditions and ongoing operational tasks (e.g., completion of reports and legacy documentation), completing work for all the implementing organizations (IOs) (e.g., production of publications), and conducting long-lead planning work in preparation for expeditions scheduled for future fiscal years.

1.3. USIO BUDGET SUMMARY

1.3.1. Budget Structure: SOC, SIC, and POC

Following the guidance provided by the IODP lead agencies and IODP-MI, the USIO budget request of \$37,772,930 is partitioned into two programmatic categories: (1) USIO FY08 science operating costs, which are defined as SOC in a budget that is submitted to IODP-MI for approval, and (2) USIO FY08 platform operating costs, which are defined as POC in a budget that will be submitted to NSF for approval. In October 2007, SOC was partitioned into “operational” costs (SOC Operations), which are to be funded directly from NSF through the U.S. Systems Integration Contract costs (SIC) and other costs (SOC Nonoperations), which are to be funded through the IODP-MI contract.

Based on new NSF guidance received on 25 February 2008, all SOC Operations costs, which are defined as “that which funds SODV SOC operations at sea and all costs in support of these operations such as planning, logistics, engineering science support, etc.,” have been incorporated into the SIC budget that will be submitted to NSF as an Appendix to the FY08 Annual Program Plan. The budget submitted to NSF for approval will also include additional funding in support of maintaining U.S. capability for continued scientific ocean drilling in IODP (U.S. Systems Integration Contract costs).

Preparation of the USIO FY08 Annual Program Plan is based on the operational schedule defined by the SPC for U.S. riserless drilling vessel operations during FY08 and beyond, which includes costs associated with the necessary planning and purchase of long-lead time items and additional items to support a schedule of expeditions in FY09.

The cost breakdown for FY08 is a request to IODP-MI for \$5,281,257 in SOC Nonoperations expenses (submitted in this Annual Program Plan to IODP-MI) and a request to NSF for \$32,491,673 in POC expenses for USIO operations.

1.3.2. FY08 USIO Budget Assumptions

The requested SOC and POC budgets are based on the assumption of an operations schedule that begins on 1 September 2008 in Singapore. Given the timing of the FY08 Annual Program Plan submission, potential changes in the SODV delivery date, analyses that are still underway regarding how best to partition costs associated with ending SODV and the onset of operations, and the uncertainties of the existing FY09–FY10 operations schedule (and the associated cost of long-lead planning in FY08), the USIO has provided a best effort estimate of predicted FY08 costs in this plan.

In addition to the assumptions about the operations schedule outlined in “Expedition Operations,” other assumptions were used by the USIO in developing the revised FY08 budgets. These include the following:

- (a) Costs committed associated with preparation for expeditions that were on the operations schedule at the time the initial FY08 Annual Program Plan was approved are included (e.g., pre-expedition planning and production of scientific prospectuses for the Pacific Equatorial Age Transect [PEAT], PEAT/Juan de Fuca Remedial Cementing, Bering Sea, and Shatsky Rise expeditions).
- (b) Costs committed associated with the provision of work for Center for Deep Earth Exploration (CDEX) Expeditions 314–316 on the *Chikyu* are included (e.g., Publications Assistant and Engineering services).
- (c) Costs associated with the necessary planning and purchase of long lead–time items to support start-up of the schedule of expeditions in FY09 are included.
- (d) The vessel day rate, insurance, and fuel will be covered by SODV through 31 October 2007, after which it will be covered by the FY08 Annual Program Plan budget.
- (e) SODV labor costs for deployment (mobilization [shipyard pier in Singapore], sea trials, and transit) will be funded by the SODV conversion project based on the SODV deployment schedule developed by the SODV Implementation Team.
- (f) Non-SODV deployment costs will be funded by the FY08 Annual Program Plan budgets.
- (g) The first expedition will commence from Suva, Fiji in early FY09.

2. BUDGET SUMMARY TABLES

2.1. FY08 USIO SOC/POC WBE BUDGET SUMMARY

Element	SOC-OPS	SOC-NonOPS	POC	Total
Management and Administration	0	754,175	3,237,007	3,991,182
Technical, Engineering, and Science Support	0	358,085	28,574,270	28,932,355
Engineering Development	0	0	0	0
Core Curation	0	1,803,083	0	1,803,083
Subtotal Core Curation	0	695,083	0	695,083
Subtotal DSDP/ODP Core Redistribution	0	1,108,000	0	1,108,000
Data Management	0	1,434,036	680,396	2,114,432
Publications	0	885,514	0	885,514
Education	0	0	0	0
Outreach	0	46,364	0	46,364
Total	\$0	\$5,281,257	\$32,491,673	\$37,772,930

Notes: Ocean Leadership Indirect Costs are included in the Management and Administration (M&A) element. LDEO Indirect Costs are included in the M&A; Technical, Engineering, and Science Support; and Data Management elements. The TAMU Administrative Fee is included in the M&A element.

Element	SOC-OPS	SOC-NonOPS	POC	Total
Total Direct Costs	0	4,734,761	31,855,808	36,590,569
Indirect Costs and Administrative Fees	0	546,496	635,865	1,182,361
Grand Total	\$0	\$5,281,257	\$32,491,673	\$37,772,930

Note: All SOC Operations costs, which are defined as “that which funds SODV SOC operations at sea and all costs in support of these operations such as planning, logistics, engineering science support, etc.,” have been incorporated into the SIC budget that will be submitted to NSF as an Appendix to the FY08 Annual Program Plan.

2.2. FY08 USIO SOC/POC WBE BUDGET DETAIL

Element/Expense Category	SOC-OPS	SOC-NonOPS	POC	Total
Management and Administration				
Salaries and Fringes	0	361,505	2,229,241	2,590,746
Travel	0	26,380	202,869	229,249
Supplies	0	9,342	42,015	51,357
Shipping	0	1,869	6,526	8,395
Communication	0	7,668	37,212	44,880
Contractual Services	0	4,500	5,500	10,000
Equipment	0	6,750	8,250	15,000
Other Direct Costs	0	19,147	134,334	153,481
Total Direct Costs	0	437,161	2,665,947	3,103,108
Modified Total Direct Costs (if applicable)	0	58,602	341,845	400,447
Indirect Costs or Administrative Fees	0	317,014	571,060	888,074
Total Management and Administration	\$0	\$754,175	\$3,237,007	\$3,991,182
Technical, Engineering, and Science Support				
Salaries and Fringes	0	166,699	2,349,088	2,515,787
Travel	0	47,807	171,961	219,768
Supplies	0	10,147	464,155	474,302
Shipping	0	950	52,743	53,693
Communication	0	1,580	13,913	15,493
Contractual Services	0	0	654,544	654,544
Equipment	0	0	313,850	313,850
Other Direct Costs	0	8,310	24,513,045	24,521,355
Day Rate	0	0	20,737,992	20,737,992
Fuel and Lubricants	0	0	2,562,500	2,562,500
Per Diem	0	0	39,525	39,525
Port Calls	0	0	271,320	271,320
Insurance	0	0	74,079	74,079
Travel—ODL	0	0	325,000	325,000
Other	0	8,310	502,629	510,939
Total Direct Costs	0	235,493	28,533,299	28,768,792
Modified Total Direct Costs (if applicable)	0	231,308	77,300	308,608
Indirect Costs or Administrative Fees	0	122,592	40,971	163,563
Total Tech., Eng., and Science Support	\$0	\$358,085	\$28,574,270	\$28,932,355
Engineering Development				
Salaries and Fringes	0	0	0	0
Travel	0	0	0	0
Supplies	0	0	0	0
Contractual Services	0	0	0	0
Equipment	0	0	0	0
Other Direct Costs	0	0	0	0
Total Direct Costs	0	0	0	0
Modified Total Direct Costs (if applicable)	0	0	0	0
Indirect Costs or Administrative Fees	0	0	0	0
Total Engineering Development	\$0	\$0	\$0	\$0

Note: Other Direct Costs subcategories are shown in the detailed work breakdown element budgets.
(Continued on next two pages.)

FY08 USIO SOC/POC WBE BUDGET DETAIL (CONTINUED)

Element/Expense Category	SOC-OPS	SOC-NonOPS	POC	Total
Core Curation				
Core Curation				
Salaries and Fringes	0	393,415	0	393,415
Travel	0	9,670	0	9,670
Supplies	0	22,775	0	22,775
Shipping	0	19,075	0	19,075
Communication	0	4,692	0	4,692
Contractual Services	0	0	0	0
Equipment	0	0	0	0
Other Direct Costs	0	245,456	0	245,456
Total Direct Costs	0	695,083	0	695,083
Modified Total Direct Costs (if applicable)	0	0	0	0
Indirect Costs or Administrative Fees	0	0	0	0
Subtotal Core Curation	0	695,083	0	695,083
DSDP/ODP Core Redistribution				
Salaries and Fringes	0	437,000	0	437,000
Travel	0	0	0	0
Supplies	0	13,000	0	13,000
Shipping	0	616,000	0	616,000
Other Direct Costs	0	42,000	0	42,000
Total Direct Costs	0	1,108,000	0	1,108,000
Modified Total Direct Costs (if applicable)	0	0	0	0
Indirect Costs or Administrative Fees	0	0	0	0
Subtotal DSDP/ODP Core Redistribution	0	1,108,000	0	1,108,000
Total Core Curation	\$0	\$1,803,083	\$0	\$1,803,083
Data Management				
Salaries and Fringes	0	965,424	354,304	1,319,728
Travel	0	28,564	6,810	35,374
Supplies	0	23,082	20,988	44,070
Shipping	0	1,764	217	1,981
Communication	0	22,065	3,130	25,195
Contractual Services	0	0	0	0
Equipment	0	166,335	26,587	192,922
Other Direct Costs	0	131,676	244,526	376,202
Total Direct Costs	0	1,338,910	656,562	1,995,472
Modified Total Direct Costs (if applicable)	0	179,484	44,970	224,454
Indirect Costs or Administrative Fees	0	95,126	23,834	118,960
Total Data Management	\$0	\$1,434,036	\$680,396	\$2,114,432

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FY08 USIO SOC/POC WBE BUDGET DETAIL (CONTINUED)

Element/Expense Category	SOC-OPS	SOC-NonOPS	POC	Total
Publications				
Salaries and Fringes	0	797,807	0	797,807
Travel	0	22,015	0	22,015
Supplies	0	21,945	0	21,945
Shipping	0	7,678	0	7,678
Communication	0	5,396	0	5,396
Contractual Services	0	0	0	0
Equipment	0	0	0	0
Other Direct Costs	0	30,673	0	30,673
Total Direct Costs	0	885,514	0	885,514
Modified Total Direct Costs (if applicable)	0	0	0	0
Indirect Costs or Administrative Fees	0	0	0	0
Total Publications	\$0	\$885,514	\$0	\$885,514
Education				
Salaries and Fringes	0	0	0	0
Travel	0	0	0	0
Supplies	0	0	0	0
Shipping	0	0	0	0
Communication	0	0	0	0
Contractual Services	0	0	0	0
Equipment	0	0	0	0
Other Direct Costs	0	0	0	0
Total Direct Costs	0	0	0	0
Modified Total Direct Costs (if applicable)	0	0	0	0
Indirect Costs or Administrative Fees	0	0	0	0
Total Education	\$0	\$0	\$0	\$0
Outreach				
Salaries and Fringes	0	12,075	0	12,075
Travel	0	17,500	0	17,500
Supplies	0	200	0	200
Shipping	0	1,550	0	1,550
Communication	0	0	0	0
Contractual Services	0	3,275	0	3,275
Equipment	0	0	0	0
Other Direct Costs	0	0	0	0
Total Direct Costs	0	34,600	0	34,600
Modified Total Direct Costs (if applicable)	0	0	0	0
Indirect Costs or Administrative Fees	0	11,764	0	11,764
Total Outreach	\$0	\$46,364	\$0	\$46,364
Grand Total Direct Costs	0	4,734,761	31,855,808	36,590,569
Grand Total Indirect Costs/Administrative Fee	0	546,496	635,865	1,182,361
TOTAL FY08 SOC/POC BUDGET	\$0	\$5,281,257	\$32,491,673	\$37,772,930

3. ORGANIZATIONAL STRUCTURE

Ocean Leadership has subcontracts with LDEO and with TAMU (through TAMRF) that formally establish the USIO for IODP. The USIO carries out all of its IODP deliverables through contracts with IODP-MI for SOC Nonoperations costs and with NSF for POC and SOC Operations costs (as defined in Section 1.3.1. Budget Structure: SOC, SIC, and POC).

On behalf of the USIO, and as outlined in this Annual Program Plan, TAMRF has contracted with ODL for the services of the scientific ocean drilling vessel called RV *JOIDES Resolution* for use as the USIO riserless drilling vessel. In addition, LDEO has contracted with Schlumberger for the provision of downhole logging equipment and engineering support.

The organizational structure employed by the USIO is designed to mirror the work breakdown element (WBE) accounting structure used by IODP and allows us to effectively and efficiently carry out the mission of the USIO. This structure also aligns the organization to efficiently and economically provide the full array of science, operations, logging, engineering, information technology, technical, and publications services; laboratory facilities; core repositories; and administrative services deliverables. The full-time equivalent (FTE) allocation table in Section 3.1. provides an accounting of the cumulative estimated effort as partitioned between the WBE(s) to which positions are assigned and as partitioned between SOC Operations, SOC Nonoperations, POC, and Other.

3.1. FTE ALLOCATION TABLE

Position Title	USIO Office	% Work Breakdown Elements								% Effort Totals			
		M&A	TESS	ED	CC	DM	Pubs	Ed	Otrch	SOC-OP	SOC-Non OP	POC	Other
President and Chief Executive Officer	Ocean Leadership	9%	0%	0%	0%	0%	0%	0%	0%	0%	0%	9%	0%
President, JOI Division	Ocean Leadership	30%	0%	0%	0%	0%	0%	0%	0%	0%	0%	30%	0%
Director, Board Relations	Ocean Leadership	18%	0%	0%	0%	0%	0%	0%	0%	0%	13%	5%	0%
Executive Assistant	Ocean Leadership	19%	0%	0%	0%	0%	0%	0%	0%	0%	0%	19%	0%
Director, Ocean Drilling Programs	Ocean Leadership	100%	0%	0%	0%	0%	0%	0%	0%	0%	40%	50%	10%
Associate Director, Ocean Drilling Programs	Ocean Leadership	100%	0%	0%	0%	0%	0%	0%	0%	0%	25%	65%	10%
Assistant Director, Ocean Drilling Programs	Ocean Leadership	100%	0%	0%	0%	0%	0%	0%	0%	0%	25%	65%	10%
Director, External Affairs	Ocean Leadership	0%	0%	0%	0%	0%	0%	0%	4%	0%	0%	0%	4%
Deputy Director, Policy	Ocean Leadership	0%	0%	0%	0%	0%	0%	0%	4%	0%	0%	0%	4%

Note: FTE = full-time equivalent, JOI = Joint Oceanographic Institutions, M&A = Maintenance and Administration, TE&SS = Technical, Engineering, and Science Support, ED = Engineering Development, CC = Core Curation, DM = Data Management, Pubs = Publications, Ed = Education, Otrch = Outreach. Other = efforts devoted to U.S. Systems Integration Contract and U.S. Scientific Ocean Drilling Vessel (SODV) conversion project. Staffing levels and position titles may change annually due to unanticipated changes in the operations schedule and/or scope of work.

Position Title	USIO Office	% Work Breakdown Elements								% Effort Totals			
		M&A	TESS	ED	CC	DM	Pubs	Ed	Orch	SOC-OP	SOC-Non OP	POC	Other
Educational and External Affairs Fellow	Ocean Leadership	0%	0%	0%	0%	0%	0%	0%	4%	0%	0%	0%	4%
Deputy Director, Communications	Ocean Leadership	0%	0%	0%	0%	0%	0%	0%	4%	0%	0%	0%	4%
Communications and Policy Associate	Ocean Leadership	0%	0%	0%	0%	0%	0%	0%	4%	0%	0%	0%	4%
Communications Associate	Ocean Leadership	0%	0%	0%	0%	0%	0%	0%	65%	0%	15%	0%	50%
Director, Education	Ocean Leadership	0%	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	50%
Assistant Education Director	Ocean Leadership	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	100%
TOTAL Ocean Leadership FTEs		3.76	0.00	0.00	0.00	0.00	0.00	1.50	0.85	0.00	1.43	2.28	2.40
Director	LDEO	75%	0%	0%	0%	0%	0%	0%	0%	0%	9%	53%	14%
Administrative Assistant	LDEO	100%	0%	0%	0%	0%	0%	0%	0%	0%	12%	70%	18%
Principal Scientist	LDEO	25%	0%	0%	0%	0%	0%	0%	0%	0%	3%	18%	5%
Deputy Director	LDEO	100%	0%	0%	0%	0%	0%	0%	0%	0%	12%	70%	18%
Office Coordinator	LDEO	0%	46%	0%	0%	0%	0%	0%	0%	0%	0%	0%	46%
Technical Services Specialist	LDEO	50%	0%	0%	0%	0%	0%	0%	0%	0%	6%	35%	9%
Project Coordinator	LDEO	100%	0%	0%	0%	0%	0%	0%	0%	0%	10%	55%	35%
Logging Consortium Chief Scientist	LDEO	0%	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	8%
Manager, Engineering and Technical Services	LDEO	0%	100%	0%	0%	0%	0%	0%	0%	0%	23%	0%	77%
Engineering/Logistics Coordinator	LDEO	0%	100%	0%	0%	0%	0%	0%	0%	0%	23%	0%	77%
Electrical Engineer	LDEO	0%	100%	0%	0%	0%	0%	0%	0%	0%	25%	0%	75%
Mechanical Engineer	LDEO	0%	100%	0%	0%	0%	0%	0%	0%	0%	23%	0%	77%
Supervisor, Science Operations	LDEO	0%	100%	0%	0%	0%	0%	0%	0%	0%	18%	0%	82%
Logging Staff Scientist	LDEO	0%	75%	0%	0%	0%	0%	0%	0%	0%	19%	0%	56%
Logging Staff Scientist	LDEO	0%	75%	0%	0%	0%	0%	0%	0%	0%	19%	0%	56%
Logging Staff Scientist	LDEO	0%	75%	0%	0%	0%	0%	0%	0%	0%	19%	0%	56%
Logging Staff Scientist	LDEO	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%
Logging Staff Scientist	LDEO	0%	75%	0%	0%	0%	0%	0%	0%	0%	19%	0%	56%
Logging Staff Scientist	LDEO	0%	75%	0%	0%	0%	0%	0%	0%	0%	19%	0%	56%
Logging Staff Scientist	LDEO	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%
Logging Staff Scientist	LDEO	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%
Logging Staff Scientist	LDEO	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%
Graduate Student	LDEO	0%	100%	0%	0%	0%	0%	0%	0%	0%	25%	0%	75%
Manager, Information Services	LDEO	0%	0%	0%	0%	100%	0%	0%	0%	0%	40%	0%	60%
Systems Analyst/Database Administrator	LDEO	0%	0%	0%	0%	100%	0%	0%	0%	0%	28%	27%	45%
Web/Graphics Developer	LDEO	0%	0%	0%	0%	50%	0%	0%	0%	0%	20%	0%	30%
Technical Analyst	LDEO	0%	0%	0%	0%	100%	0%	0%	0%	0%	40%	0%	60%
Supervisor, Data Services	LDEO	0%	0%	0%	0%	50%	0%	0%	0%	0%	20%	0%	30%

Position Title	USIO Office	% Work Breakdown Elements								% Effort Totals			
		M&A	TESS	ED	CC	DM	Pubs	Ed	Orch	SOC-OP	SOC-Non OP	POC	Other
Supervisor, Data Services	LDEO	0%	0%	0%	0%	50%	0%	0%	0%	0%	20%	0%	30%
Senior Log Analyst	LDEO	0%	0%	0%	0%	100%	0%	0%	0%	0%	40%	0%	60%
Technical Services Specialist	LDEO	0%	0%	0%	0%	94%	0%	0%	0%	0%	38%	0%	56%
Database Developer	LDEO	0%	0%	0%	0%	21%	0%	0%	0%	0%	8%	0%	13%
TOTAL LDEO FTEs		4.50	12.29	0.00	0.00	6.15	0.00	0.00	0.00	0.00	5.16	3.28	14.50
Director	TAMU	50%	0%	0%	0%	0%	0%	0%	0%	0%	3%	35%	12%
Administrative Coordinator	TAMU	100%	0%	0%	0%	0%	0%	0%	0%	0%	5%	80%	15%
Administrative Assistant	TAMU	38%	0%	0%	0%	0%	0%	0%	0%	0%	2%	30%	6%
Associate Director, Health, Safety, and Environment	TAMU	100%	0%	0%	0%	0%	0%	0%	0%	0%	5%	77%	18%
Deputy Director, Science Services	TAMU	50%	0%	0%	0%	0%	0%	0%	0%	0%	2%	28%	20%
Deputy Director, Data Services	TAMU	100%	0%	0%	0%	0%	0%	0%	0%	0%	5%	80%	15%
Web Administrator	TAMU	100%	0%	0%	0%	0%	0%	0%	0%	0%	5%	80%	15%
Senior Staff Engineer	TAMU	41%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	41%
Executive Administrator, TAMRF	TAMU	100%	0%	0%	0%	0%	0%	0%	0%	0%	9%	72%	19%
Administrative Coordinator	TAMU	100%	0%	0%	0%	0%	0%	0%	0%	0%	10%	79%	11%
Legal Services	TAMU	12%	0%	0%	0%	0%	0%	0%	0%	0%	2%	4%	6%
Student Worker, Administration	TAMU	33%	0%	0%	0%	0%	0%	0%	0%	0%	3%	27%	3%
Student Worker, Administration	TAMU	50%	0%	0%	0%	0%	0%	0%	0%	0%	5%	40%	5%
Student Worker, Administration	TAMU	50%	0%	0%	0%	0%	0%	0%	0%	0%	5%	40%	5%
Associate VP, TAMRF Contracts, Property, and Procurement	TAMU	100%	0%	0%	0%	0%	0%	0%	0%	0%	7%	55%	38%
Senior Negotiator II	TAMU	100%	0%	0%	0%	0%	0%	0%	0%	0%	8%	60%	32%
Senior Negotiator I	TAMU	100%	0%	0%	0%	0%	0%	0%	0%	0%	8%	60%	32%
Negotiator I	TAMU	100%	0%	0%	0%	0%	0%	0%	0%	0%	8%	60%	32%
Coordinator I, Property/Databases	TAMU	100%	0%	0%	0%	0%	0%	0%	0%	0%	10%	79%	11%
Associate VP, TAMRF Fiscal Affairs	TAMU	100%	0%	0%	0%	0%	0%	0%	0%	0%	10%	70%	20%
Coordinator I, Accounts Payable (AP)/Accounts Receivable (AR)	TAMU	100%	0%	0%	0%	0%	0%	0%	0%	0%	10%	80%	10%
Financial Accountant III	TAMU	100%	0%	0%	0%	0%	0%	0%	0%	0%	5%	40%	55%
Financial Specialist II	TAMU	100%	0%	0%	0%	0%	0%	0%	0%	0%	7%	60%	33%
Manager, Conversion Project Contract/ Business Services	TAMU	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%

Position Title	% Work Breakdown Elements								% Effort Totals				
	USIO Office	M&A	TESS	ED	CC	DM	Pubs	Ed	Otrch	SOC-OP	SOC-Non OP	POC	Other
Senior Project Accountant	TAMU	100%	0%	0%	0%	0%	0%	0%	0%	0%	3%	27%	70%
Student Worker, AP/AR	TAMU	50%	0%	0%	0%	0%	0%	0%	0%	0%	5%	27%	18%
Coordinator I, Budget Planning/Analysis	TAMU	100%	0%	0%	0%	0%	0%	0%	0%	0%	10%	80%	10%
Budget Specialist	TAMU	100%	0%	0%	0%	0%	0%	0%	0%	0%	10%	79%	11%
Coordinator I, Payroll Services	TAMU	100%	0%	0%	0%	0%	0%	0%	0%	0%	10%	79%	11%
Payroll Specialist	TAMU	100%	0%	0%	0%	0%	0%	0%	0%	0%	10%	79%	11%
Student Worker, Payroll	TAMU	50%	0%	0%	0%	0%	0%	0%	0%	0%	5%	40%	5%
Coordinator II, Human Resources	TAMU	100%	0%	0%	0%	0%	0%	0%	0%	0%	10%	79%	11%
Human Resources Advisor I	TAMU	100%	0%	0%	0%	0%	0%	0%	0%	0%	10%	80%	10%
Coordinator I, Travel/Conference Services	TAMU	100%	0%	0%	0%	0%	0%	0%	0%	0%	10%	80%	10%
Travel/Conference Services Specialist	TAMU	100%	0%	0%	0%	0%	0%	0%	0%	0%	10%	79%	11%
Travel Specialist	TAMU	100%	0%	0%	0%	0%	0%	0%	0%	0%	10%	79%	11%
Manager, Science Operations	TAMU	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	57%	43%
Administrative Assistant	TAMU	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	60%	40%
Supervisor, Technical Support	TAMU	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	36%	64%
Laboratory Officer	TAMU	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	42%	58%
Laboratory Officer	TAMU	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	11%	89%
Laboratory Officer	TAMU	0%	42%	0%	0%	0%	0%	0%	0%	0%	0%	19%	23%
Marine Instrumentation Specialist	TAMU	0%	69%	0%	0%	0%	0%	0%	0%	0%	0%	29%	40%
Marine Instrumentation Specialist	TAMU	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	11%	89%
Marine Instrumentation Specialist	TAMU	0%	42%	0%	0%	0%	0%	0%	0%	0%	0%	19%	23%
Marine Instrumentation Specialist	TAMU	0%	42%	0%	0%	0%	0%	0%	0%	0%	0%	19%	23%
Assistant Laboratory Officer	TAMU	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	19%	81%
Assistant Laboratory Officer	TAMU	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	26%	74%
Assistant Laboratory Officer	TAMU	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	26%	74%
Assistant Laboratory Officer	TAMU	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	19%	81%
Marine Laboratory Specialist	TAMU	0%	75%	0%	0%	0%	0%	0%	0%	0%	0%	20%	55%

Position Title	USIO Office	% Work Breakdown Elements								% Effort Totals			
		M&A	TESS	ED	CC	DM	Pubs	Ed	Orch	SOC-OP	SOC-Non OP	POC	Other
Marine Laboratory Specialist	TAMU	0%	67%	0%	0%	0%	0%	0%	0%	0%	0%	15%	52%
Marine Laboratory Specialist	TAMU	0%	75%	0%	0%	0%	0%	0%	0%	0%	0%	11%	64%
Marine Laboratory Specialist	TAMU	0%	65%	0%	0%	0%	0%	0%	0%	0%	0%	24%	41%
Marine Laboratory Specialist	TAMU	0%	62%	0%	0%	0%	0%	0%	0%	0%	0%	11%	51%
Marine Laboratory Specialist	TAMU	0%	54%	0%	0%	0%	0%	0%	0%	0%	0%	11%	43%
Marine Laboratory Specialist	TAMU	0%	54%	0%	0%	0%	0%	0%	0%	0%	0%	11%	43%
Marine Laboratory Specialist	TAMU	0%	17%	0%	0%	0%	0%	0%	0%	0%	0%	8%	9%
Marine Laboratory Specialist	TAMU	0%	75%	0%	0%	0%	0%	0%	0%	0%	0%	11%	64%
Marine Laboratory Specialist	TAMU	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	10%	90%
Supervisor, Science Support	TAMU	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	30%	70%
Staff Scientist	TAMU	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	29%	71%
Staff Scientist	TAMU	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	30%	70%
Staff Scientist	TAMU	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	30%	70%
Staff Scientist	TAMU	0%	75%	0%	0%	0%	0%	0%	0%	0%	0%	22%	53%
Staff Scientist	TAMU	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	29%	71%
Supervisor, Operational Support	TAMU	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	89%	11%
Operations Engineer	TAMU	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%
Operations Superintendent	TAMU	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%
Operations Superintendent	TAMU	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	25%	75%
Supervisor, Materials Support	TAMU	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	44%	56%
Materials Specialist	TAMU	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	45%	55%
Marine Logistics Coordinator	TAMU	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	45%	55%
Marine Logistics Coordinator	TAMU	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	45%	55%
Shipping and Receiving	TAMU	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	40%	60%
Student Worker, Shipping and Receiving	TAMU	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	22%	28%
Student Worker, Shipping and Receiving	TAMU	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	22%	28%
Student Worker, Shipping and Receiving	TAMU	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	22%	28%
Student Worker, Shipping and Receiving	TAMU	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	22%	28%

Position Title	USIO Office	% Work Breakdown Elements								% Effort Totals			
		M&A	TESS	ED	CC	DM	Pubs	Ed	Otrch	SOC-OP	SOC-Non OP	POC	Other
Student Worker, Shipping and Receiving	TAMU	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	22%	28%
Student Worker, Shipping and Receiving	TAMU	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	22%	28%
Student Worker, Shipping and Receiving	TAMU	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	22%	28%
Manager, Tools and Analytical Services	TAMU	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	33%	67%
Administrative Assistant	TAMU	0%	34%	0%	0%	0%	0%	0%	0%	0%	0%	17%	17%
Staff Researcher	TAMU	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	50%	50%
Student Worker, Tools and Analytical Services	TAMU	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	25%	25%
Supervisor, Analytical Services	TAMU	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	13%	87%
Laboratory Specialist	TAMU	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	11%	89%
Research Specialist	TAMU	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	11%	89%
Research Specialist	TAMU	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	11%	89%
Research Specialist	TAMU	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	9%	91%
Research Specialist	TAMU	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	11%	89%
Research Specialist	TAMU	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	11%	89%
Research Specialist	TAMU	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	12%	88%
Research Specialist	TAMU	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	11%	89%
Research Specialist	TAMU	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	12%	88%
Research Specialist	TAMU	0%	41%	0%	0%	0%	0%	0%	0%	0%	0%	6%	35%
Supervisor, Engineering Services	TAMU	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%
Staff Engineer	TAMU	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%
Staff Engineer	TAMU	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%
Senior Design Engineer	TAMU	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%
Engineer	TAMU	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%
Senior Designer	TAMU	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	93%	7%
Senior Designer	TAMU	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	94%	6%
Senior Designer	TAMU	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%
Supervisor, Applications Development	TAMU	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	57%	43%
Applications Developer IV	TAMU	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	27%	73%
Applications Developer IV	TAMU	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	45%	55%
Applications Developer III	TAMU	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	5%	28%
Applications Developer II	TAMU	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	5%	28%
Applications Developer II	TAMU	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	39%	61%

Position Title	USIO Office	% Work Breakdown Elements								% Effort Totals			
		M&A	TESS	ED	CC	DM	Pubs	Ed	Otrch	SOC-OP	SOC-Non OP	POC	Other
Applications Developer I	TAMU	0%	43%	0%	0%	0%	0%	0%	0%	0%	0%	16%	27%
Applications Developer I	TAMU	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	45%	55%
Manager, Information Technology and Data Services	TAMU	0%	0%	0%	0%	100%	0%	0%	0%	0%	77%	3%	20%
Information Services Assistant	TAMU	0%	0%	0%	0%	100%	0%	0%	0%	0%	80%	5%	15%
Supervisor, Information Technology Support	TAMU	0%	0%	0%	0%	100%	0%	0%	0%	0%	14%	44%	42%
Senior Systems Administrator	TAMU	0%	0%	0%	0%	100%	0%	0%	0%	0%	15%	44%	41%
Systems Administrator	TAMU	0%	0%	0%	0%	100%	0%	0%	0%	0%	16%	45%	39%
Systems Administrator	TAMU	0%	0%	0%	0%	100%	0%	0%	0%	0%	15%	44%	41%
Systems Administrator	TAMU	0%	0%	0%	0%	100%	0%	0%	0%	0%	14%	46%	40%
Senior Systems Support Specialist	TAMU	0%	0%	0%	0%	100%	0%	0%	0%	0%	16%	46%	38%
Systems Support Specialist	TAMU	0%	0%	0%	0%	100%	0%	0%	0%	0%	16%	46%	38%
Systems Support Specialist	TAMU	0%	0%	0%	0%	100%	0%	0%	0%	0%	16%	46%	38%
Systems Support Specialist	TAMU	0%	0%	0%	0%	100%	0%	0%	0%	0%	16%	46%	38%
Senior Marine Computer Specialist	TAMU	0%	0%	0%	0%	100%	0%	0%	0%	0%	10%	37%	53%
Marine Computer Specialist	TAMU	0%	0%	0%	0%	100%	0%	0%	0%	0%	13%	41%	46%
Marine Computer Specialist	TAMU	0%	0%	0%	0%	100%	0%	0%	0%	0%	10%	39%	51%
Marine Computer Specialist	TAMU	0%	0%	0%	0%	100%	0%	0%	0%	0%	9%	35%	56%
Supervisor, Databases/Archives	TAMU	0%	0%	0%	0%	100%	0%	0%	0%	0%	98%	0%	2%
Data Librarian	TAMU	0%	0%	0%	0%	100%	0%	0%	0%	0%	98%	0%	2%
Database Administrator	TAMU	0%	0%	0%	0%	100%	0%	0%	0%	0%	98%	0%	2%
Data Analyst	TAMU	0%	0%	0%	0%	100%	0%	0%	0%	0%	98%	0%	2%
Data Analyst	TAMU	0%	0%	0%	0%	100%	0%	0%	0%	0%	100%	0%	0%
Graduate Assistant Research	TAMU	0%	0%	0%	0%	50.0%	0%	0%	0%	0%	50%	0%	0%
Senior Imaging Specialist	TAMU	0%	0%	0%	0%	100%	0%	0%	0%	0%	100%	0%	0%
Imaging Specialist	TAMU	0%	0%	0%	0%	100%	0%	0%	0%	0%	100%	0%	0%
Imaging Specialist	TAMU	0%	0%	0%	0%	100%	0%	0%	0%	0%	85%	0%	15%
Curator	TAMU	0%	0%	0%	100%	0%	0%	0%	0%	0%	75%	0%	25%
Superintendent, ECR	TAMU	0%	0%	0%	100%	0%	0%	0%	0%	0%	100%	0%	0%
Student Worker, ECR	TAMU	0%	0%	0%	50%	0%	0%	0%	0%	0%	50%	0%	0%
Superintendent, WCR	TAMU	0%	0%	0%	100%	0%	0%	0%	0%	0%	100%	0%	0%
Superintendent, GCR	TAMU	0%	0%	0%	100%	0%	0%	0%	0%	0%	85%	0%	15%

Position Title	USIO Office	% Work Breakdown Elements								% Effort Totals			
		M&A	TESS	ED	CC	DM	Pubs	Ed	Orch	SOC-OP	SOC-Non OP	POC	Other
Curatorial Specialist, GCR	TAMU	0%	0%	0%	100%	0%	0%	0%	0%	0%	85%	0%	15%
Curatorial Specialist, GCR	TAMU	0%	0%	0%	100%	0%	0%	0%	0%	0%	85%	0%	15%
Student Worker, GCR	TAMU	0%	0%	0%	50%	0%	0%	0%	0%	0%	43%	0%	7%
Student Worker, GCR	TAMU	0%	0%	0%	50%	0%	0%	0%	0%	0%	43%	0%	7%
Student Worker, GCR	TAMU	0%	0%	0%	50%	0%	0%	0%	0%	0%	43%	0%	7%
Student Worker, GCR	TAMU	0%	0%	0%	50%	0%	0%	0%	0%	0%	43%	0%	7%
Research Assistant, Core Redistribution	TAMU	0%	0%	0%	100%	0%	0%	0%	0%	0%	100%	0%	0%
Research Assistant, Core Redistribution	TAMU	0%	0%	0%	100%	0%	0%	0%	0%	0%	100%	0%	0%
Research Assistant, Core Redistribution	TAMU	0%	0%	0%	100%	0%	0%	0%	0%	0%	100%	0%	0%
Research Assistant, Core Redistribution	TAMU	0%	0%	0%	100%	0%	0%	0%	0%	0%	100%	0%	0%
Marine Laboratory Specialist, Core Redistribution	TAMU	0%	0%	0%	33%	0%	0%	0%	0%	0%	33%	0%	0%
Marine Laboratory Specialist, Core Redistribution	TAMU	0%	0%	0%	35%	0%	0%	0%	0%	0%	35%	0%	0%
Student Worker, Core Redistribution*	TAMU	0%	0%	0%	650%	0%	0%	0%	0%	0%	650%	0%	0%
Manager, Publication Services	TAMU	0%	0%	0%	0%	0%	100%	0%	0%	0%	94%	0%	6%
Supervisor, Editing	TAMU	0%	0%	0%	0%	0%	100%	0%	0%	0%	51%	0%	49%
Editor III	TAMU	0%	0%	0%	0%	0%	100%	0%	0%	56%	0%	0%	44%
Editor II	TAMU	0%	0%	0%	0%	0%	100%	0%	0%	47%	0%	0%	53%
Editor II	TAMU	0%	0%	0%	0%	0%	100%	0%	0%	50%	0%	0%	50%
Editor II	TAMU	0%	0%	0%	0%	0%	16%	0%	0%	8%	0%	0%	8%
Publication Specialist	TAMU	0%	0%	0%	0%	0%	100%	0%	0%	0%	40%	0%	60%
Report Coordinator	TAMU	0%	0%	0%	0%	0%	100%	0%	0%	0%	91%	0%	9%
Supervisor, Production	TAMU	0%	0%	0%	0%	0%	100%	0%	0%	0%	48%	0%	52%
Production Specialist III	TAMU	0%	0%	0%	0%	0%	100%	0%	0%	0%	72%	0%	28%
Production Specialist II	TAMU	0%	0%	0%	0%	0%	100%	0%	0%	0%	92%	0%	8%
Production Specialist	TAMU	0%	0%	0%	0%	0%	100%	0%	0%	0%	86%	0%	14%
Distribution Specialist	TAMU	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	0%	0%
Freelancer**	TAMU	0%	0%	0%	0%	0%	25%	0%	0%	0%	25%	0%	0%
Freelancer**	TAMU	0%	0%	0%	0%	0%	50%	0%	0%	0%	50%	0%	0%
Supervisor, Graphics	TAMU	0%	0%	0%	0%	0%	100%	0%	0%	0%	87%	0%	13%
Graphics Specialist II	TAMU	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	0%	0%
Yeoperson	TAMU	0%	0%	0%	0%	0%	42%	0%	0%	0%	34%	0%	8%
Yeoperson	TAMU	0%	0%	0%	0%	0%	42%	0%	0%	0%	42%	0%	0%
Yeoperson	TAMU	0%	0%	0%	0%	0%	35%	0%	0%	0%	35%	0%	0%
Senior Publications Coordinator	TAMU	0%	0%	0%	0%	0%	100%	0%	0%	0%	94%	0%	6%

		% Work Breakdown Elements								% Effort Totals			
Position Title	USIO Office	M&A	TESS	ED	CC	DM	Pubs	Ed	Otrch	SOC-OP	SOC-Non OP	POC	Other
Student Worker, Publication Coordination	TAMU	0%	0%	0%	0%	0%	46%	0%	0%	0%	42%	0%	4%
Student Worker, Publication Coordination	TAMU	0%	0%	0%	0%	0%	46%	0%	0%	0%	42%	0%	4%
TOTAL TAMU FTEs		30.24	63.98	0.00	19.68	23.50	18.02	0.00	0.00	0.00	46.57	52.62	56.23
GRAND TOTAL USIO FTEs		38.50	76.27	0.00	19.68	29.65	18.02	1.50	0.85	0.00	53.16	58.18	73.13

*Total student worker labor for the DSDP/ODP Core Redistribution Project during FY08 equates to 6.5 FTE.

**Freelancers will be used on an as-needed basis.

4. EXPEDITION OPERATIONS

4.1. INTRODUCTION

The FY08 USIO expedition operations schedule published on 19 September 2007 was used as the basis of expedition planning for the period of October 2007 through February 2008. This schedule commenced with acceptance of the vessel in Singapore on 31 March 2008, followed by deployment (mobilization, sea trials, and transit) from 1 April through 18 May 2008 and expeditions starting on 18 May 2008: PEAT 1/Juan de Fuca Remedial Cementing (18 May–18 July 2008), Bering Sea (18 July–17 September 2008), and PEAT 2 (17 September–17 November 2008). This schedule also included Canterbury Basin and Wilkes Land expeditions from 17 November 2008 through 22 March 2009.

The FY08 USIO expedition operations schedule used as the basis of expedition planning for the period of March through September 2008 is a draft version currently under consideration by the OTF. This schedule commences after completing the conversion of the RV *JOIDES Resolution* on 31 August 2008. Following acceptance of the vessel in Singapore, deployment will commence with 31 days in Singapore (mobilization), followed by transit and sea trials from Singapore to Suva, Fiji. Expedition operations will commence on 4 November 2008 with the Canterbury Basin expedition.

During the first five months of FY08, much planning was executed in preparation for the original operations schedule, including selecting Co-Chief Scientists, conducting pre-expedition meetings, and carrying out associated expedition planning, writing and publishing scientific prospectuses, selecting and inviting scientific party members, and purchasing long-lead supplies and equipment for the planned FY08 and FY09 expeditions.

In early 2008, NSF guidance was revised to state that the vessel day rate, insurance, and fuel would be covered by the FY08 Annual Program Plan budget effective 1 November 2007 (versus the original 1 January 2008).

4.2. EXPEDITION OPERATIONS BUDGET NARRATIVE

The expedition costs included in this budget cover the activities defined as SOC and POC for the deployment period.

Salaries and Fringes—Salaries, fringes, and sea pay, including an anticipated cost-of-living allowance and estimated fringe benefits rate.

Deployment-based salaries, fringes, and sea pay.

Travel—Transportation, per diem, lodging, and other associated costs.

Travel expenses for staff that will work at port calls (Singapore and Suva, Fiji), sail on the transit, and/or sail on the Canterbury Basin expedition.

Supplies—Office and operational supplies.

Safety equipment and laboratory, logistic, and shipping supplies for mobilization and the Canterbury Basin expedition.

Shipping—Postage, express mail, and freight.

Costs for shipments to the Canterbury Basin expedition.

Communication—Telephone and fax charges.

Costs for Marisat communication to and from the *JOIDES Resolution*. **No costs are included for Very Small Aperture Terminal (VSAT) equipment and service.**

Contractual Services—Consultant and contract services.

Subcontract to Schlumberger for provision of a standard suite of tools, engineer services, software support, and mobilization services; specialty tools for use on individual cruises as needed; a dedicated engineer on the ship for each cruise and support from the base of operations; and the services of a district engineer, staff engineer, electronics technician, and special services engineer on an as-needed basis (part-time to nearly full-time support). Costs (including shipping charges) related to the leasing of equipment needed for back-off and severing services, as well as the day rate and travel expenses for the Schlumberger engineer are included in the POC budget. Tool insurance for the deployment of downhole logging tools is now included in the Schlumberger subcontract and is provided on a day rate basis.

Equipment—Procurement, upgrading, or fabrication of equipment with an acquisition cost of over \$5,000, plus those items as defined by Columbia University and TAMRF policy.

Costs associated directly with equipment (computer, scientific, and drilling) intended solely for use on the ship over a period of time greater than one expedition, equipment purchased for a specific expedition, and pro rata cost of shore-based equipment used partially to support expedition activities.

Other Direct Costs—Costs not covered in other categories.

Day Rate—Vessel staffing for the subcontractor's sailing crew and drilling personnel.

Cost of staffing the ship, including the sailing crew and drilling personnel, but not including the cost of the USIO personnel or scientists on board the ship. The day rate varies according to the mode of the ship, which is operating (drilling or cruising) or standing by (in port). Although it is a fixed rate per day, the day rate is adjusted for changes in the Consumer Price Index-Urban (CPI-U) and Employment Cost Index (ECI). The amount is based on 335 days, which includes shipyard time (from 1 November 2007 to acceptance of the vessel) during which the USIO is paying the day rate and deployment (mobilization, sea trials, and transit)—1 November 2007 through 30 September 2008. The average standby day rate for the period is \$61,904. The budget allows for an ECI base adjustment of 2.22% effective 1 April 2008 and a CPI-U base adjustment of 2.27% effective 1 May 2008. An adjustment of \$1,300/day for additional maintenance charges is included with an effective date of 1 September 2008. Day rates for the period of 1 November 2007 through 31 July 2008 have been reduced by \$1,482/day to compensate for the fact that catering for the ship subcontractor's crew is being charged as a reimbursable during ship conversion rather than through the day rate.

Fuel and Lubricants—Fuel for the riserless vessel.

Cost to purchase 2,500 metric tons of fuel for the ship in Singapore following completion of the SODV conversion project, at a price per metric ton of \$1,025. Price per metric ton is based on the published price in Singapore as of 11 March 2008 plus a 10% inflation factor.

Per Diem—Shipboard catering.

Costs associated with meals and berthing on board the vessel and cleaning of the lab stack. Estimate is based on a shipboard party of 40 participants at \$32/day/person during the

deployment period in Singapore following acceptance of the vessel from the shipyard. This category does not include per diem for the ship subcontractor's sailing crew and drilling personnel, as they are accounted for in the day rate unless charged as a reimbursable (see "Day Rate" above).

Port Calls—Vessel agent's expenses and subcontractor freight.

Locations have a definite effect on the cost of port calls, which covers agents' expenses and freight associated with resupplying the ship. During the deployment and first expedition port calls, materials and equipment are off-loaded and supplies and equipment are loaded for the upcoming period's activities. ODL is reimbursed for port agent charges and the shipment of food and related supplies. Shipment of cores, drilling equipment, and laboratory supplies is arranged by TAMU and paid for by TAMRF. Similarly, TAMRF purchases all drilling equipment and laboratory supplies necessary for meeting the objectives of the expedition. Port calls by expedition are based on the estimated costs for the port from which the expedition begins and any interim port calls occurring prior to its conclusion, as identified in the current ship schedule.

Overall, costs are based on 30 days of the deployment period in Singapore (1–30 September 2008). Funds are also budgeted for hotel and per diem charges associated with a crew change in Singapore by the vessel subcontractor.

Insurance—Annual insurance premiums for Subcontractor and TAMRF.

Subcontractor's premium costs for All Risks Marine Hull and Machinery and Removal of Wreck insurance and TAMRF premium costs for Third Party Property, Control of Well, Charters Legal Liability, and Contractor's Pollution coverage for the vessel. Premium amounts are based on 290 days of coverage with the portion of the premium period prior to 1 September 2008 charged to the SODV conversion project. The premium period is 25 October 2007 to 1 October 2008. **Note: A portion of TAMRF's FY08 premium costs (\$17,723) were invoiced and paid in September 2007 using reprogrammed FY07 funds, thereby reducing the FY08 budget requirement.**

Travel—ODL—Subcontractor transportation.

Airfare for ship subcontractor's crews to/from two scheduled port calls—Singapore and Suva, Fiji. Note that while the Suva crew change is not scheduled to occur until early November 2008, tickets must be purchased in late FY08 to ensure flight seating availability and better ticket rates. Estimate is based on a crew of 60 personnel with various international fly points arriving and departing each port call. Expedition costs are based on round-trip airfares for the ship subcontractor's sailing crew and drilling personnel to travel to the port call where the expedition begins and return from the port call where the expedition ends. Also included are airfare and per diem for a port call reconnaissance trip by subcontractor's logistics representative.

Tuition Remission—Tuition remission when graduate students from LDEO participate in FY08 expeditions.

Relocation—Relocation costs for new TAMU seagoing employees.

Business Conferences—Incidental expenses associated with meetings hosted by the USIO.

Expenses for pre-expedition and planning meetings.

Software—Upgrades to existing software.

Services—Expert assistance.

Cost to cover medical evacuation and other miscellaneous charges payable to the ship's subcontractor, drill pipe maintenance, wireline severing charges, shipboard maintenance service calls, transfer fees, weather reports, annual physical examinations for seagoing personnel, copier services, external copying and printing services.

TAMU Computing Services—Use of TAMU's financial and management information system (FAMIS).

Recruiting—Employee recruitment.

Local advertisements, advertisements in science journals and trade journals, and other costs related to filling seagoing positions for Phase 2 operations.

Maintenance and Repair—Maintenance agreements and equipment repairs.

Maintenance and repair of drilling, coring, logging, operations, and laboratory and safety equipment.

Indirect Costs—Administrative and financial costs associated with operating the Program.

For LDEO, indirect costs at 53% are assessed on all charges except permanent equipment and tuition remission. In addition, subcontracts are charged indirect costs on the first \$25,000 of each contract. The indirect cost for all of the existing subcontracts has already been paid, so these subcontracts are not subject to indirect cost during FY08. Modified total direct costs (MTDCs) are the total direct costs minus these exceptions.

5. MANAGEMENT AND ADMINISTRATION

5.1. GOALS

The USIO provides integrated management that is led by the contractor (Ocean Leadership) in coordination with the other two USIO members (LDEO and TAMU).

Goals of the USIO management staff include planning, coordinating (with other IODP-related entities), oversight, review, and reporting on IODP activities.

5.2. DELIVERABLES IN FY08

- Annual Program Plan: Develop and assure implementation.
- Quarterly and Annual Reports: Develop quarterly and annual reports, including financial reports.
- Report and Liaise: Report and liaise with funding agencies and with IODP-related agencies (e.g., the Science Advisory Structure [SAS]), Program Member Offices, and other national organizations and participate in SAS panels; IODP-MI task forces; working groups; and so on.
- Contract Services: Provide contract services for IODP-related activities.
- Legacy Documentation.

5.3. BUDGET

Management and Administration				
Element/Expense Category	SOC-OPS	SOC-NonOPS	POC	Total
Salaries and Fringes	0	361,505	2,229,241	2,590,746
Travel	0	26,380	202,869	229,249
Supplies	0	9,342	42,015	51,357
Shipping	0	1,869	6,526	8,395
Communication	0	7,668	37,212	44,880
Contractual Services	0	4,500	5,500	10,000
Equipment	0	6,750	8,250	15,000
Other Direct Costs	0	19,147	134,334	153,481
Training	0	1,639	18,242	19,881
Business Conferences	0	550	5,600	6,150
Insurance	0	810	6,481	7,291
Services	0	11,311	64,238	75,549
TAMU Computing Services	0	2,500	20,000	22,500
Equipment Rental	0	50	400	450
Furniture	0	200	1,600	1,800
Recruiting	0	1,000	8,000	9,000
Maintenance & Repair	0	904	7,566	8,470
Library	0	183	2,207	2,390
Total Direct Costs	0	437,161	2,665,947	3,103,108
Modified Total Direct Costs (if applicable)	0	58,602	341,845	400,447
Indirect Costs or Administrative Fees	0	317,014	571,060	888,074
Total Management and Administration	\$0	\$754,175	\$3,237,007	\$3,991,182

Funds for this WBE are budgeted as follows:

Salaries and Fringes—Salaries, fringes, and sea pay, including an anticipated cost-of-living allowance and estimated fringe benefits rate.

SOC/POC—Salaries and fringes for staff supporting the USIO (see Section 3.1. FTE Allocation Table).

Travel—Transportation, per diem, lodging, and other associated costs.

SOC/POC—USIO travel to SAS panel meetings, task force meetings, IO meetings, USIO meetings, workshops, and national and international meetings. Ocean Leadership and TAMU travel to port calls; LDEO travel to subcontractor site visits and professional training courses and meetings; TAMU travel to insurance meetings.

Supplies—General office supplies and expendables and operational supplies.

SOC/POC—General office supplies, printer and copier supplies, and electronic media and other computer supplies with an acquisition cost of less than \$1,000 (TAMU).

Shipping—Postage, express mail, courier services, and freight.

SOC/POC—General postage and express mail/courier services for regular correspondence.

Communication—Telephone and fax charges and Internet services.

SOC/POC—Standard telephone line charges, long distance charges, and fax charges.

Contractual Services—Consultant and contract services.

SOC/POC—Printing and copying of materials, consultant services in support of network and video conferencing equipment (Ocean Leadership).

Equipment—Procurement, upgrading, and fabrication of equipment.

SOC/POC—Computers, monitors, and printers for new staff and replacement of equipment (Ocean Leadership).

Other Direct Costs—Costs not covered in other categories.

Training—Registration, transportation, per diem, and lodging expenses related to professional training.

SOC/POC—Registration and travel costs for professional training courses and meetings (TAMU).

Business Conferences—Expenses associated with meetings hosted by the USIO.

SOC/POC—Expense of Program-wide conferences and meetings.

Insurance—Annual insurance premiums.

SOC/POC—Program's portion of Director's and Officer's corporate insurance based on the number of officers at TAMRF, when compared to the TAMRF corporate total.

Services—Expert assistance.

SOC/POC—Lease of off-premises records storage facility, partial cost of other support services, visitor parking permits, printing services, TAMU Physical Plant services, and temporary labor.

TAMU Computing Services—Use of TAMU’s financial and management information system (FAMIS).

SOC/POC—Program’s share of costs based on lines of entry for use of FAMIS in conducting the fiscal activities of TAMU.

Equipment Rental—Rental of equipment when it is more economical to rent than purchase.

SOC/POC—Rental of equipment for conferences.

Furniture—Office furniture.

SOC/POC—Office furniture and storage cabinets for use in office and at external storage facilities.

Recruiting—Employee recruitment.

SOC/POC—Cost of newspaper and internet advertisements of vacant positions.

Maintenance and Repair—Maintenance agreements and equipment repairs.

SOC/POC—Equipment service agreements on copiers; replacement parts and service for fax machines, shredders, and so on.

Library—Books, journals, and other resources.

SOC/POC—Books, journals, resources, and subscriptions to professional materials.

Indirect Costs—Administrative and financial costs associated with operating the Program. The specific equations used to calculate these costs vary by institution, as explained below.

SOC/POC—

Ocean Leadership: The estimated provisional rate of 34% was used to calculate Ocean Leadership general and administrative (G&A) costs. Each year, G&A costs are charged on all Ocean Leadership direct costs and on the first \$100,000 of all subcontracts Ocean Leadership administers under a particular contract (e.g., total annual G&A on TAMRF and LDEO subcontracts = \$68,000). The G&A costs for the two subcontracts (LDEO and TAMRF) are split 50-50 between SOC G&A and POC G&A (\$34,000 each = \$17,000 SOC + \$17,000 POC).

LDEO: Indirect costs at 53% are assessed on all LDEO charges except permanent equipment and tuition remission. In addition, subcontracts are charged indirect costs on the first \$25,000 of each contract. The indirect cost for all of the existing subcontracts has already been paid, so these subcontracts are not subject to indirect cost during FY08. MTDCs are the total direct costs minus these exceptions.

TAMU: A negotiated administrative fee is paid to TAMRF in lieu of indirect costs for corporate administration of the Program, as established by the Ocean Leadership/TAMRF contract. This fee reimburses TAMRF for corporate activities in support of TAMU performed by staff members who are not direct charged to the Program (i.e., TAMRF staff members who work at the TAMRF corporate office). Examples of these services include but are not limited to vendor activities (i.e., payment for goods and services, check processing, verification, and distribution); 1099 preparation and distribution, audit liaison, document scanning and storage; postage; management activities; and university/vendor liaison and payroll preparation and distribution. Use of corporate resources eliminates redundancy and reduces costs to IODP.

6. TECHNICAL, ENGINEERING, AND SCIENCE SUPPORT

6.1. GOALS

The USIO is responsible for providing scientific and operational planning and implementation for the USIO riserless drilling expeditions in response to the IODP science planning structure and interfacing with IODP-MI. The USIO will also provide formation temperature measurement services to CDEX for IODP Expeditions 315 and 316.

Goals of the USIO for this WBE include planning, managing, coordinating, and performing the activities and providing the services, materials, platforms, and ship- and shore-based laboratories necessary to support all IODP USIO expeditions and formation temperature measurement services for IODP CDEX expeditions. (Note: The Technical, Engineering, and Science Support WBE now includes Logging and no longer includes Information Technology.)

6.2. DELIVERABLES IN FY08

- Expedition Planning and Implementation: Provide scientific, technical, and operational planning and execution for each scheduled expedition, including provision of a drilling platform. Conduct long-range operational and science planning for out-year expeditions.
- Reporting: Provide expedition-related reports and content for expedition publications (e.g., *Scientific Prospectus*, *Preliminary Report*, etc.). Act as a liaison to SAS and other panels and task forces as appropriate.
- Expedition Staffing: Provide selection and support for scientific staffing and Co-Chief Scientist selection for each scheduled expedition. Provide support for shipboard and shore-based technical personnel and activities.
- Logistics Support: Provide for expedition and shore-based activities including procurement, shipping, and inventory of equipment and supplies.
- Analytical Systems: Provide and maintain shipboard and shore-based analytical facilities, tools, instruments, and associated quality assurance/quality control (QA/QC) protocols. Ensure effective capture and transfer of expedition data to database systems.
- Logging: Provide for the delivery of logging services, including back-off/severing services where needed. Provide technical advice to European Consortium for Ocean Research Drilling (ECORD) Science Operator (ESO) and CDEX for Schlumberger and other logging operations, and arrange for Schlumberger and other logging services, where appropriate.
- Engineering Support: Provide engineering support for maintaining and developing shipboard and shore-based drilling, coring, logging, and downhole systems, including third-party developments and long-lead time borehole installation projects.
- Applications Development: Provide maintenance and support for and enhancements of custom software applications for the capture and shipboard management of operational, sampling, and analytical information.
- Legacy Documentation.

6.3. BUDGET

Technical, Engineering, and Science Support				
Element/Expense Category	SOC-OPS	SOC-NonOPS	POC	Total
Salaries and Fringes	0	166,699	2,349,088	2,515,787
Travel	0	47,807	171,961	219,768
Supplies	0	10,147	464,155	474,302
Shipping	0	950	52,743	53,693
Communication	0	1,580	13,913	15,493
Contractual Services	0	0	654,544	654,544
Equipment	0	0	313,850	313,850
Other Direct Costs	0	8,310	24,513,045	24,521,355
Day Rate	0	0	20,737,992	20,737,992
Fuel and Lubricants	0	0	2,562,500	2,562,500
Per Diem	0	0	39,525	39,525
Port Calls	0	0	271,320	271,320
Insurance	0	0	74,079	74,079
Travel—ODL	0	0	325,000	325,000
Other	0	8,310	502,629	510,939
Tuition Remission	0	4,185	0	4,185
Relocation	0	0	10,500	10,500
Training	0	0	89,262	89,262
Business Conferences	0	0	1,760	1,760
Insurance	0	0	3,600	3,600
Services	0	4,125	368,550	372,675
Furniture	0	0	1,200	1,200
Recruiting	0	0	3,440	3,440
Maintenance and Repair	0	0	21,989	21,989
Library	0	0	2,328	2,328
Total Direct Costs	0	235,493	28,533,299	28,768,792
Modified Total Direct Costs (if applicable)	0	231,308	77,300	308,608
Indirect Costs or Administrative Fees	0	122,592	40,971	163,563
Total Technical, Engineering, and Development	\$0	\$358,085	\$28,574,270	\$28,932,355

Funds for this WBE are budgeted as follows:

Salaries and Fringes—Salaries, fringes, and sea pay, including an anticipated cost-of-living allowance and estimated fringe benefits rate.

SOC/POC—Salaries and fringes for staff supporting the USIO (see Section 3.1. FTE Allocation Table).

Travel—Transportation, per diem, lodging, and other associated costs.

SOC—IODP meetings and workshops, IO and USIO meetings, pre-expedition meetings, FY09 planning meetings, and travel costs for TAMU staff that will work at port calls, work in Singapore or on the vessel during deployment, and/or sail on FY08 expeditions. Note that while the initial Canterbury Basin expedition travel is not scheduled to occur until early November 2008, tickets must be purchased in late FY08 to ensure flight availability and best prices. Also includes LDEO travel to professional training courses and meetings.

POC—IODP meetings and workshops, IO and USIO meetings, pre-expedition meetings and sampling at repositories, meetings with drilling equipment supply vendors, subcontract site visits, and travel costs for TAMU staff that will work at port calls, work in Singapore or on the

vessel during deployment, and/or sail on FY08 expeditions. Note that while the initial Canterbury Basin expedition travel is not scheduled to occur until early November 2008, tickets must be purchased in late FY08 to ensure flight availability and best prices. Also includes LDEO travel to professional training courses and meetings.

Supplies—Office and operational supplies.

SOC—General office supplies; electronic media and other computer supplies with an acquisition cost of less than \$1,000 (for TAMU); printer and copier supplies; laboratory, logistic, and shipping supplies for the Canterbury Basin expedition as well as shipboard and shore-based analytical and engineering laboratory and test facilities. Other drilling or science supplies may be purchased in support of USIO deliverables using cost avoidances gained during the fiscal year.

POC—Office and operational supplies; supplies for engineering laboratory and test facility; safety-related, laboratory, logistic, and shipping supplies for the Canterbury Basin expedition. Other drilling or science supplies may be purchased in support of USIO deliverables using cost avoidances gained during the fiscal year.

Shipping—Postage, express mail, and freight.

SOC/POC—Postage for regular correspondence and small packages and shipping to and from FY08 expeditions.

Communication—Telephone and fax charges.

SOC—Standard telephone line, long distance, and fax charges.

POC—Standard telephone line, long distance, and fax charges. Costs for Marisat communication to and from the *JOIDES Resolution*. **No costs are included for VSAT equipment and service.**

Contractual Services—Consultant and contract services.

SOC—Laboratory analytical instrument consultant service.

POC—Subcontract to Schlumberger for provision of a standard suite of tools, engineer services, software support, and mobilization services; specialty tools for use on individual cruises as needed; a dedicated engineer on the ship for each cruise and support from the base of operations; the services of a district engineer, staff engineer, electronics technician, and special services engineer on an as-needed basis (part-time to nearly full-time support); costs (including shipping charges) related to the leasing of equipment needed for back-off and severing services, the day rate and travel expenses for the Schlumberger engineer, and the day rate for tool insurance for the deployment of downhole logging tools. Also includes test and calibration services for downhole measurement tools.

Equipment—Procurement, upgrading, or fabrication of equipment with an acquisition cost of over \$5,000, plus those items as defined by Ocean Leadership, Columbia University, or TAMRF policy.

SOC—Logging operations and laboratory equipment. Tools and equipment in support of logging operations and downhole measurement tool testing at LDEO Environmental Stress Screening Facility. Other drilling or science supplies may be purchased in support of USIO deliverables using cost avoidances gained during the fiscal year. **FY08 equipment costs were reduced by \$16,000 using FY07 cost savings.**

POC—Operational equipment replacement (e.g., nonmagnetic wireline components and standard wireline coring tools) and acquisition of parts and spare units for formation fluid sampling, pressure core sampling, and temperature measurement tools. Other drilling or science supplies

may be purchased in support of USIO deliverables using cost avoidances gained during the fiscal year. ***FY08 equipment costs were reduced by \$837,000 using FY07 cost avoidances associated with descopeing the FY08 expedition schedule.***

Other Direct Costs—Costs not covered in other categories.

Day Rate—Vessel staffing for the subcontractor’s sailing crew and drilling personnel.

SOC—None budgeted.

POC—The amount is based on 335 days, which includes shipyard time (from 1 November 2007 to acceptance of the vessel) during which the USIO is paying the day rate and deployment (mobilization, sea trials, and transit)—1 November 2007 through 30 September 2008. The budget allows for an ECI base adjustment of 2.22% effective 1 April 2008 and a CPI-U base adjustment of 2.27% effective 1 May 2008. An adjustment of \$1,300/day for additional maintenance charges is included with an effective date of 1 September 2008. Day rates for the period of 1 November 2007 through 31 July 2008 have been reduced by \$1,482/day to compensate for the fact that catering for the ship subcontractor’s crew is being charged as a reimbursable during ship conversion rather than through the day rate.

Fuel and Lubricants—Fuel for the riserless vessel.

SOC—None budgeted.

POC—Cost to purchase 2,500 metric tons of fuel for the ship in Singapore following completion of the SODV conversion project, at a price per metric ton of \$1,025. Price per metric ton is based on the published price in Singapore as of 11 March 2008 plus a 10% inflation factor.

Per Diem—Shipboard catering.

SOC—None budgeted.

POC—Costs associated with meals and berthing on board the vessel and cleaning of the lab stack. Estimate is based on a shipboard party of 40 participants at \$32/day/person during the deployment period in Singapore following acceptance of the vessel from the shipyard. This category does not include per diem for the ship subcontractor’s sailing crew and drilling personnel, as they are accounted for in the day rate unless charged as a reimbursable (see “Day Rate” above).

Port Calls—Vessel agent’s expenses and subcontractor freight.

SOC—None budgeted.

POC—Costs associated with resupplying the vessel and loading/unloading activities required by operations. Overall, costs are based on 30 days of the deployment period in Singapore (1–30 September 2008). Funds are also budgeted for hotel and per diem charges associated with a crew change in Singapore by the vessel subcontractor.

Insurance—Annual insurance premiums for Subcontractor and TAMRF.

SOC—None budgeted.

POC—Subcontractor’s premium costs for All Risks Marine Hull and Machinery and Removal of Wreck insurance and TAMRF premium costs for Third Party Property, Control of Well, Charters Legal Liability, and Contractor’s Pollution coverage for the vessel. Premium amounts are based on 290 days of coverage with the portion of the premium period prior to 1 September 2008 charged to the SODV conversion project.

Travel—ODL—Subcontractor transportation.

SOC—None budgeted.

POC—Airfare for ship subcontractor's crews to/from two scheduled port calls—Singapore and Suva, Fiji. Note that while the Suva crew change is not scheduled to occur until early November 2008, tickets must be purchased in late FY08 to ensure flight seating availability. Estimate is based on a crew of 60 personnel with various international fly points arriving and departing each port call. Expedition costs are based on round trip airfares for the ship subcontractor's sailing crew and drilling personnel to travel to the port call where the expedition begins and return from the port call where the expedition ends. Also included are airfare and per diem for a port call reconnaissance trip by subcontractor's logistics representative.

Tuition Remission—

SOC—Tuition remission for one graduate student at LDEO.

POC—None budgeted.

Relocation—Relocation costs for new employees.

SOC/POC—Relocation costs for new employees (TAMU).

Training—Registration, transportation, per diem, and lodging expenses related to professional training and attendance at professional meetings.

SOC/POC—Registration and travel costs for professional training courses and meetings (TAMU).

Business Conferences—Incidental expenses associated with meetings hosted by USIO.

SOC/POC—Expenses for pre-expedition meetings, refreshments provided for various business meetings, and catering services occasionally required for on-site training and professional consultant services.

Insurance—Annual insurance premiums.

SOC—None budgeted.

POC—Annual insurance premiums for USIO vehicles.

Services—Expert assistance.

SOC—Annual physical examinations for seagoing personnel, copier services, external copying and printing services, vehicle and warehouse equipment repair, testing and calibration of laboratory instruments, machine shop services, X-ray computed tomography scanning design consulting, and weather analysis for Initial Proposal Evaluations.

POC—Annual physical examinations for seagoing personnel, copier services, vehicle and warehouse equipment repair, and consultant services for beacon acceptance tests.

Furniture—Office furniture.

SOC/POC—Routine replacement of damaged or aging furniture.

Recruiting—Employee recruitment.

SOC/POC—Local advertisements, advertisements in science journals and trade journals, and other costs related to filling vacant positions and recruiting professional staff for Phase 2 operations.

Maintenance and Repair—Maintenance agreements and equipment repairs.

SOC/POC—Maintenance and repair of office equipment, postage meter, vehicle fleet, equipment in warehouse, overhead cranes, other loading dock equipment, and laboratory and safety equipment.

Indirect Costs—Administrative and financial costs associated with operating the Program.

SOC/POC—For LDEO, indirect costs at 53% are assessed on all charges except permanent equipment and tuition remission. In addition, subcontracts are charged indirect costs on the first \$25,000 of each contract. The indirect cost for all of the existing subcontracts has already been paid, so these subcontracts are not subject to indirect cost during FY08. MTDCs are the total direct costs minus these exceptions.

7. ENGINEERING DEVELOPMENT

7.1. GOALS

The USIO is responsible for utilizing IODP resources to oversee and/or provide engineering development projects in accordance with the long-term engineering needs of IODP as prioritized by the SAS.

7.2. DELIVERABLES IN FY08

No deliverables are scheduled for FY08.

7.3. BUDGET

With no deliverables scheduled in FY08, there are no funds budgeted for this WBE.

8. CORE CURATION

8.1. CORE CURATION

8.1.1. Goals

USIO Core Curation goals include providing services in support of IODP core sampling and curation of the core collection archived at the East Coast Repository (ECR), West Coast Repository (WCR), Gulf Coast Repository (GCR), Bremen Core Repository (BCR), and Kochi Core Center (KCC).

8.1.2. Deliverables in FY08

- Policy and Procedures: Work with other IOs, the SAS, and IODP-MI to review and revise the IODP Sample, Data, and Obligations Policy, as needed, and implement a policy for IODP core curation. Work closely with staff to coordinate, standardize, and document curatorial procedures for IODP cores and samples.
- Sample and Curation Strategies: Plan sample and curation strategies for the first USIO expedition and review all shipboard requests in coordination with the other members of the Sample Allocation Committee for each expedition.
- Sample Materials Curation System (SMCS): Implement use of the SMCS and work with curatorial staff from other IOs to suggest further refinements, as needed.
- Core Curation: Conduct all responsibilities associated with curation of core collections at the repositories and provide services in support of core sampling, analysis, and education.
- Use of Core Collection: Promote the outreach use of the core collection in collaboration with IO and IODP-MI education/outreach personnel by providing materials for display at meetings or museums, as well as conducting tours and supporting other USIO outreach activities.
- Meetings: Host and/or participate in annual IODP curatorial staff meeting. Act as IO liaison to meetings with the other IOs, IODP-MI, and the SAS, as appropriate.
- Legacy Documentation.

8.1.3. Budget

Core Curation				
Expense Category	SOC-OPS	SOC-NonOPS	POC	Total
Core Curation				
Salaries and Fringes	0	393,415	0	393,415
Travel	0	9,670	0	9,670
Supplies	0	22,775	0	22,775
Shipping	0	19,075	0	19,075
Communication	0	4,692	0	4,692
Contractual Services	0	0	0	0
Equipment	0	0	0	0
Other Direct Costs	0	245,456	0	245,456
Training	0	1,833	0	1,833
Services	0	232,698	0	232,698
Maintenance and Repair	0	10,925	0	10,925
Total Direct Costs	0	695,083	0	695,083
Modified Total Direct Costs (if applicable)	0	0	0	0
Indirect Costs/Administrative Fees	0	0	0	0
Subtotal Core Curation	0	695,083	0	695,083
DSDP/ODP Core Redistribution				
Salaries and Fringes	0	437,000	0	437,000
Travel	0	0	0	0
Supplies	0	13,000	0	13,000
Shipping	0	616,000	0	616,000
Other Direct Costs	0	42,000	0	42,000
Services	0	38,000	0	38,000
Maintenance and Repair	0	4,000	0	4,000
Total Direct Costs	0	1,108,000	0	1,108,000
Modified Total Direct Costs (if applicable)	0	0	0	0
Indirect Costs/Administrative Fees	0	0	0	0
Subtotal DSDP/ODP Core Redistribution	0	1,108,000	0	1,108,000
Total	\$0	\$1,803,083	\$0	\$1,803,083

Funds for this WBE are budgeted as follows:

Salaries and Fringes—Salaries, fringes, and sea pay, including an anticipated cost-of-living allowance and estimated fringe benefits rate.

SOC—Salaries, fringes, and sea pay for staff supporting the USIO (see Section 3.1. FTE Allocation Table).

POC—None budgeted.

Travel—Transportation, per diem, lodging, and other associated costs.

SOC—IODP meetings and workshops, other IO and USIO meetings, and travel costs for TAMU staff that will work at port calls, sail on the first transit, and/or sail on FY08 expeditions.

POC—None budgeted.

Supplies—Office and operational supplies.

SOC—General office supplies, printer supplies, general laboratory supplies, specialized supplies for sampling and curatorial tasks, and supplies for packing extra-large shipments or hydrate shipments and hosting sampling parties.

POC—None budgeted.

Shipping—Postage, express mail, and freight.

SOC—Postage for regular correspondence, regular-sized sample shipments to scientists, bulk shipments of sampling supplies from the GCR to the ECR and WCR, and three extra-large sample shipments for FY08 (for frozen hydrates, U-channels, or whole core sections for scanning) at an average cost of \$2,000 each.

POC—None budgeted.

Communication—Telephone and fax charges.

SOC—Standard telephone line, long distance, and fax charges.

POC—None budgeted.

Contractual Services—None budgeted.

Equipment—None budgeted.

Other Direct Costs—Costs not covered in other categories.

Training—Registration, transportation, per diem, and lodging expenses related to professional training.

SOC—Registration and travel costs for professional training courses and meetings (TAMU).

POC—None budgeted.

Services—Expert assistance.

SOC—Refilling liquid N₂ for frozen hydrate samples; lease and utility costs (power, refrigeration) associated with the operation of the ECR and WCR, including an anticipated 5% increase over current rates; funds to cover other services provided in support of the WCR through University of California, San Diego; and indirect costs and services associated with charges incurred in support of the ECR through LDEO, such as shipping and supplies.

POC—None budgeted.

Maintenance and Repair—Maintenance agreements and equipment repairs.

SOC—Repairs and maintenance for storage buildings; refrigeration units; laboratory, repository, and office equipment; forklift; and shrink-wrap machine.

POC—None budgeted.

8.2. DSDP/ODP CORE REDISTRIBUTION PROJECT

8.2.1. Goals

Goals for FY08 include completion of the Deep Sea Drilling Program (DSDP)/ODP Core Redistribution Project to redistribute core from the ECR and WCR to the BCR, GCR, and KCC and close the ECR and WCR (see Table 2).

8.2.2. Deliverables in FY08

- Curatorial Training: Continue to provide curatorial training associated with DSDP/ODP Core Redistribution Project, as needed.
- Core Redistribution to BCR: Pack ECR DSDP/ODP cores and ship to BCR. Receive and rack at BCR DSDP/ODP cores from ECR.
- Core Redistribution to KCC: Pack WCR, GCR, and ECR DSDP/ODP cores and ship to KCC. Receive and rack at KCC DSDP/ODP cores from WCR, GCR, and ECR.
- Core Redistribution to GCR: Pack WCR and ECR DSDP/ODP cores and ship to GCR. Receive and rack at GCR DSDP/ODP cores from WCR, and ECR.
- Closing of Repositories: Close WCR and ECR. (Note: The time frame is currently estimated for the end of FY08; the exact date will be determined when project is closer to completion.)

8.2.3. Budget

DSDP/ODP Core Redistribution				
Element/Expense Category	SOC-OPS	SOC-NonOPS	POC	Total
Salaries and Fringes	0	437,000	0	437,000
Travel	0	0	0	0
Supplies	0	13,000	0	13,000
Shipping	0	616,000	0	616,000
Other Direct Costs	0	42,000	0	42,000
Services	0	38,000	0	38,000
Maintenance and Repair	0	4,000	0	4,000
Total Direct Costs	0	1,108,000	0	1,108,000
Modified Total Direct Costs (if applicable)	0	0	0	0
Indirect Costs or Administrative Fees	0	0	0	0
Total DSDP/ODP Core Redistribution	\$0	\$1,108,000	\$0	\$1,108,000

This SOC-funded subtask is budgeted as follows:

Salaries and Fringes—Salaries and fringes, including an anticipated cost-of-living allowance and estimated fringe benefits rate.

Salaries and fringes for staff supporting the USIO (see Section 3.1. FTE Allocation Table).

Travel—None budgeted.

Supplies—Office and operational supplies.

Pallets, stretch wrap, GCR core racks, and other operational supplies.

Shipping—Postage, express mail, and freight.

Shipping core containers from the ECR to the BCR, GCR, and KCC; shipping core containers from the GCR to the KCC; shipping core containers from the WCR and GCR to the KCC.

9. DATA MANAGEMENT

9.1. GOALS

USIO Data Management goals include management of data supporting IODP activities, management of expedition and postexpedition data, long-term archival access to data, and supporting information technology (IT) services. (Note: In FY06 and FY07, IT support services activities were funded in the Technical, Engineering, and Science Support WBE.)

9.2. DELIVERABLES IN FY08

- Expedition Data: Maintain and manage databases supporting expedition planning data. Operate and maintain data management and harvesting systems (including QA/QC for storage and archival of expedition and postexpedition data, including core and sample tracking. Respond to data requests from the scientific community.
- Metadata Generation: Generate metadata for Program-wide Access Portal.
- Operation and Maintenance: Provide operation and maintenance of computer and network systems both on ship and shore.
- Security: Monitor and protect USIO network and server resources to ensure safe, reliable operation and security for IODP data and IT resources.
- Software Development: Provide software development services as needed (excluding analytical systems), maintain software, and provide training support for shipboard scientists as necessary.
- Photography/Imaging Support: Provide photography/imaging support, maintain microscopes, process imaging requests, and provide scanning services.
- Legacy Documentation.

9.3. BUDGET

Data Management				
Element/Expense Category	SOC-OPS	SOC-NonOPS	POC	Total
Salaries and Fringes	0	965,424	354,304	1,319,728
Travel	0	28,564	6,810	35,374
Supplies	0	23,082	20,988	44,070
Shipping	0	1,764	217	1,981
Communication	0	22,065	3,130	25,195
Contractual Services	0	0	0	0
Equipment	0	166,335	26,587	192,922
Other Direct Costs	0	131,676	244,526	376,202
Training	0	36,289	36,560	72,849
Business Conferences	0	708	305	1,013
Software	0	23,920	79,733	103,653
Services	0	29,409	2,109	31,518
Maintenance and Repair	0	39,700	124,319	164,019
Library	0	1,650	1,500	3,150
Total Direct Costs	0	1,338,910	656,562	1,995,472
Modified Total Direct Costs (if applicable)	0	179,484	44,970	224,454
Indirect Costs or Administrative Fees	0	95,126	23,834	118,960
Total Data Management	\$0	\$1,434,036	\$680,396	\$2,114,432

Funds for this WBE are budgeted as follows:

Salaries and Fringes—Salaries, fringes, and sea pay, including an anticipated cost-of-living allowance and estimated fringe benefits rate.

SOC/POC—Salaries and fringes for staff supporting the USIO (see Section 3.1. FTE Allocation Table).

Travel—Transportation, per diem, lodging, and other associated costs.

SOC—IODP-MI meetings and workshops, IO and USIO meetings, and travel costs for TAMU staff that will work at port calls, sail on the first transit, and/or sail on FY08 expeditions. Also includes LDEO travel to professional training courses and meetings.

POC—Travel costs for staff that will support port call, sail on the first transit, and/or sail on FY08 expeditions. Also includes LDEO travel to professional training courses and meetings.

Supplies—Office and operational supplies.

SOC—General office supplies; electronic media and other computer supplies with an acquisition cost of less than \$1,000 (for TAMU); printer and copier supplies; paper; expendables and small hardware necessary for continued operation and maintenance of IT resources; digital photographic supplies (e.g., drum scanner supplies, CDs, DVDs, and tapes) for processing images on shore; and software for all shore-based elements at LDEO. Other data management supplies may be purchased in support of USIO deliverables using cost avoidances gained during the fiscal year.

POC—General office supplies; electronic media and other computer supplies. Other data management supplies may be purchased in support of USIO deliverables using cost avoidances gained during the fiscal year.

Shipping—Postage, express mail, and freight.

SOC—Postage for regular correspondence and small packages, data and photo requests, and shipping of paper prime data for microfilming and imaging.

POC—Postage for regular correspondence and small packages.

Communication—Telephone and fax charges.

SOC—Standard telephone line, long distance, and fax charges.

POC—Standard telephone line, long distance, and fax charges and LDEO communication with TAMU and the *JOIDES Resolution* to provide support for POC IT activities.

Contractual Services—None budgeted.

Equipment—Procurement, upgrading, or fabrication of equipment with an acquisition cost of over \$5,000, plus those items as defined by Ocean Leadership, Columbia University, or TAMRF policy.

SOC/POC—Computer and network equipment to replace aged network models, workstations, printers, laptops, plotters, and monitors; workstations, laptops, and monitors for new staff; completion of contracted work for the asset management system, including contracted programming services in lieu of one programming FTE (which is included in the FY09 Annual Program Plan; software over \$5,000 is treated as reportable property/equipment under TAMU expenditure classification guidelines, which are compatible with Federal Property Guidelines). Other data management supplies may be purchased in support of USIO deliverables using cost

avoidances gained during the fiscal year. ***FY08 computer and network equipment costs were reduced by approximately \$600,000 using FY07 SOC cost avoidances.***

Other Direct Costs—Costs not covered in other categories.

Training—Registration, transportation, per diem, and lodging expenses related to professional training.

SOC/POC—Registration and travel costs for professional training courses and meetings (TAMU). Registration for professional training courses and meetings (LDEO).

Business Conferences—Incidental expenses associated with meetings hosted by USIO.

SOC/POC—Refreshments provided for various business meetings and catering services occasionally required for on-site training and professional consultant services.

Software—Software purchases and upgrades.

SOC/POC—Software subscriptions, volume licensing agreements, and concurrent usage software agreements used in support of continuing activities and systems maintenance for the entire enterprise (TAMU).

Services—Expert assistance.

SOC—Imaging/microfilming paper prime data, rental for storage of paper prime data, annual physical examinations for seagoing personnel, TAMU Physical Plant services, IT expert assistance service, copier services, external copying and printing services, safe deposit box rentals, and back-up services.

POC—Annual physical examinations for seagoing personnel, TAMU Physical Plant services, IT expert assistance service, and copier services.

Maintenance and Repair—Maintenance agreements and equipment repairs.

SOC/POC—Departmental copier maintenance agreements, various maintenance contracts and repairs for IT computer hardware and software, and noncontracted maintenance on imaging equipment such as cameras.

Library—Books, journals, and other resources.

SOC/POC—Technical database; imaging books and journals; and IT professional publications, books, and documentation materials required for reference, including subscriptions to professional journals.

Indirect Costs—Administrative and financial costs associated with operating the Program.

SOC/POC—For LDEO, indirect costs at 53% are assessed on all charges except permanent equipment and tuition remission. In addition, subcontracts are charged indirect costs on the first \$25,000 of each contract. The indirect cost for all of the existing subcontracts has already been paid, so these subcontracts are not subject to indirect cost during FY08. MTDCs are the total direct costs minus these exceptions.

10. PUBLICATIONS

10.1. GOALS

USIO Publications goals include providing publications support services for IODP riserless and riser drilling expeditions; editing, production, and graphics services for all required reports and scientific publications as defined in the USIO contract with IODP-MI; and warehousing and distribution of IODP, ODP, and DSDP publications.

IODP publications include Quarterly and Annual Reports for the USIO; *Scientific Prospectus* and *Preliminary Report* for each USIO and ESO expedition; and *Proceedings of the Integrated Ocean Drilling Program* volumes for USIO and ESO expeditions. Publication Services will edit and produce CDEX NanTroSEIZE Drilling Project Stage 1 expedition reports and publications and will work with CDEX on training and coordination activities related to this work.

10.2. DELIVERABLES IN FY08

- IODP Publications: Advise IODP-MI on scientific publication efforts. The following publications will be delivered or published:
 - 10–12 scientific reports edited and produced (Scientific Prospectuses and Preliminary Reports),
 - 1 *Proceedings of the Integrated Ocean Drilling Program* volume in production covering expedition report content from three CDEX expeditions, and
 - 9 *Proceedings* volumes in production covering expedition research results content from 12 IODP Phase 1 expeditions (10 USIO expeditions and 2 ESO expeditions).
- IODP Reports: The following reports will be edited and produced:
 - 4 IODP-USIO quarterly reports,
 - 2 IODP-USIO Annual Program Plans (IODP-MI SOC/POC and NSF SOC/POC with Systems Integration Contract Appendix), including original versions and all revisions required by funding agencies, and
 - 1 IODP-USIO FY07 Annual Report (or other year-end document)
- Report of citations statistics for IODP.
- Management:
 - Manage postexpedition publication citations,
 - Manage peer review process for *Proceedings* volumes (~100 data reports or synthesis papers),
 - Provide distribution and warehousing for *Proceedings* volumes (and ODP and DSDP publications and reports), and
 - Provide centralized record keeping of IODP postcruise research submissions.
- Publications Support: Provide a Publication Specialist for publications support for 3 CDEX expeditions and 1 USIO transit.
- Legacy Documentation.

10.3. BUDGET

Publications				
Element/Expense Category	SOC-OPS	SOC-NonOPS	POC	Total
Salaries and Fringes	0	797,807	0	797,807
Travel	0	22,015	0	22,015
Supplies	0	21,945	0	21,945
Shipping	0	7,678	0	7,678
Communication	0	5,396	0	5,396
Contractual Services	0	0	0	0
Equipment	0	0	0	0
Other Direct Costs	0	30,673	0	30,673
Training	0	12,869	0	12,869
Business Conferences	0	2,565	0	2,565
Services	0	4,948	0	4,948
Equipment Rental	0	205	0	205
Maintenance and Repair	0	8,776	0	8,776
Library	0	1,310	0	1,310
Total Direct Costs	0	885,514	0	885,514
Modified Total Direct Costs (if applicable)	0	0	0	0
Indirect Costs or Administrative Fees	0	0	0	0
Total Publications	\$0	\$885,514	\$0	\$885,514

Funds for this WBE are budgeted as follows:

Salaries and Fringes—Salaries, fringes, and sea pay, including an anticipated cost-of-living allowance and estimated fringe benefits rate.

SOC—Salaries and fringes for staff supporting the USIO (see Section 3.1. FTE Allocation Table).

POC—None budgeted.

Travel—Transportation, per diem, lodging, and other associated costs.

SOC—IO and USIO meetings, travel costs to bring off-site USIO staff to participate in on-site meetings, postexpedition meetings, and travel costs for TAMU staff who will work at port calls and/or sail on FY08 expeditions.

POC—None budgeted.

Supplies—Office and operational supplies.

SOC—General office supplies.

POC—None budgeted.

Shipping—Postage, express mail, and freight.

SOC—Postage and shipping for regular correspondence and IODP scientific reports, and freight charges for bulk shipments from the publications warehouse.

POC—None budgeted.

Communication—Telephone and fax charges.

SOC—Standard telephone line, long distance, and fax charges.

POC—None budgeted.

Contractual Services—None budgeted.

Equipment—None budgeted.

Other Direct Costs—Costs not covered in other categories.

Training—Registration, transportation, per diem, lodging expenses, and membership dues related to professional training.

SOC—Registration and travel costs for professional training courses and meetings.

POC—None budgeted.

Business Conferences—Expenses associated with meetings hosted by TAMU.

SOC—Meal expenses related to hosting meetings.

POC—None budgeted.

Services—Expert assistance.

SOC—Fees for Ocean Drilling Citation Database (new citations and production of the annual database update on CD-ROM prepared by the American Geological Institute [AGI]); payments to IODP Editorial Review Board members; safety deposit box rental; and annual physical examinations for seagoing personnel.

POC—None budgeted.

Equipment Rental—Rental of equipment.

SOC—Rental of a water cooler.

POC—None budgeted.

Maintenance and Repair—Maintenance agreements and equipment repairs.

SOC—Copier, typewriter, and forklift maintenance agreements and annual maintenance of the Ocean Drilling Citation Database (prepared by AGI).

POC—None budgeted.

Library—Books, journals, and other resources.

SOC—Reference books and subscriptions.

POC—None budgeted.

11. EDUCATION

11.1. GOALS

USIO Education responsibilities include coordinating and facilitating the implementation of U.S. education activities in cooperation with other U.S. education and outreach groups; conducting teacher education activities; developing, field testing, and disseminating educational and associated curriculum activities; and designing and printing platform enrichment activities highlighting IODP science programs. This requires direct and indirect interfacing with students and educators and conducting a variety of activities targeting U.S. middle school, high school, undergraduate, and limited museum audiences.

11.2. DELIVERABLES IN FY08

No science operating cost/platform operating cost deliverables are scheduled for FY08.

11.3. BUDGET

With no deliverables scheduled in FY08, there are no funds budgeted for this WBE.

12. OUTREACH

12.1. GOALS

USIO Outreach responsibilities include establishing measures to effectively communicate both shore- and ship-based components of IODP activities to the public in collaboration with IODP-MI and the other IOs, and encouraging awareness of and interest in the scientific results of the Program. Outreach goals for FY08 include the following:

- Raise visibility of IODP as a cutting-edge international earth science research program to new and existing audiences.
- Target informational outreach to the public and specific identified audiences including science and general-interest media, scientists-at-large, engineers-at-large, and communities/groups that can be considered agents of learning and change (i.e., educators and students, *not* in formal education contexts), managers of public space, and decision-makers at large national concerns.
- Use expeditions to promote scientific ocean drilling and the scientific data and analysis that emerge from it, and make the connection between the emerging scientific knowledge and its positive contribution to society worldwide.
- Build a foundation of knowledge about scientific ocean drilling: its achievements, merits, spectrum of national contributions, and high value to future scientific achievement that is easily accessible to the public and other targeted communities online, in public spaces, and in the media.
- Maximize IODP human resources by working as an integrated outreach team, with common core messages and common informational materials.

12.2. DELIVERABLES IN FY08

SOC-related activities include portions of support for the following deliverables:

- Media Awareness: Conduct media awareness training for future expedition Co-Chief Scientists.
- Media Outreach: Conduct media outreach at Geological Society of America and American Geophysical Union national meetings.
- Outreach Activities: Coordinate Outreach activities with IODP-MI, ECORD, and CDEX.
- Legacy Documentation.

12.3. BUDGET

Outreach				
Element/Expense Category	SOC-OPS	SOC-NonOPS	POC	Total
Salaries and Fringes	0	12,075	0	12,075
Travel	0	17,500	0	17,500
Supplies	0	200	0	200
Shipping	0	1,550	0	1,550
Communication	0	0	0	0
Contractual Services	0	3,275	0	3,275
Equipment	0	0	0	0
Other Direct Costs	0	0	0	0
Total Direct Costs	0	34,600	0	34,600
Modified Total Direct Costs (if applicable)	0	0	0	0
Indirect Costs or Administrative Fees	0	11,764	0	11,764
Total Outreach	\$0	\$46,364	\$0	\$46,364

Funds for this WBE are budgeted as follows:

Salaries and Fringes—Salaries and fringes, including an anticipated cost-of-living allowance and estimated fringe benefits rate.

SOC—Salaries and fringes for staff supporting the USIO (see Section 3.1. FTE Allocation Table).

POC—None budgeted.

Travel—Transportation, per diem, lodging, and other associated costs.

SOC—Portions of the participation in outreach to stakeholders, press events, media training, and staffing of booths at national and international meetings.

POC—None budgeted.

Supplies—General office supplies and expendables and operational supplies.

SOC—General office supplies, including informational materials, posters, and brochures.

POC—None budgeted.

Shipping—Postage, express mail, courier services, and freight.

SOC—General postage and courier services, including shipping of booth materials to national and international meetings.

POC—None budgeted.

Communication—None budgeted.

Contractual Services—Consultant and contract services.

SOC—Platform enrichment activities, including preparation of public relations materials, posters, and videos; media awareness training; booth rentals and associated costs at national meetings.

POC—None budgeted.

Equipment—None budgeted.

Other Direct Costs—None budgeted.

Indirect Costs—Administrative and financial costs associated with operating the Program.

SOC—The estimated provisional rate of 34% was used to calculate Ocean Leadership general and administrative (G&A) costs. Each year, G&A costs are charged on all Ocean Leadership direct costs and on the first \$100,000 of all subcontracts Ocean Leadership administers under a particular contract (e.g., total annual G&A on TAMRF and LDEO subcontracts = \$68,000). The G&A costs for the two subcontracts (LDEO and TAMRF) are split 50-50 between SOC G&A and POC G&A (\$34,000 each = \$17,000 SOC + \$17,000 POC).

POC—None budgeted.