MICHIGAN TECHNOLOGICAL UNIVERSITY SINGLE AUDIT REPORT FOR THE YEAR ENDED JUNE 30, 2008



MICHIGAN TECHNOLOGICAL UNIVERSITY SINGLE AUDIT

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December 5, 2008

Board of Control Michigan Technological University Houghton, Michigan

We have audited the financial statements of Michigan Technological University, as of and for the year ended June 30, 2008, and have issued our report thereon dated December 5, 2008, which was qualified for a GAAP departure related to revenue recognition. As more fully described in Note 15, for fiscal 2007, the University recorded a delayed appropriation from the State of Michigan that was re-appropriated in fiscal 2008 as a receivable in the Statement of Net Assets with the corresponding revenue recorded in the Statement of Revenues, Expenses and Changes in Net Assets. In our opinion, accounting principles generally accepted in the United States of America require that state appropriations be recognized in the period appropriated. If this appropriation had been recorded in conformity with accounting principles generally accepted in the United States of America, state appropriations would have increased by \$4,474,000 for the year ended June 30, 2008. We conducted our audit in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in Government Auditing Standards, issued by the Comptroller General of the United States.

Internal Control Over Financial Reporting

In planning and performing our audit, we considered Michigan Technological University's internal control over financial reporting as a basis for designing our auditing procedures for the purpose of expressing our opinion on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of Michigan Technological University's internal control over financial reporting. Accordingly, we do not express an opinion on the effectiveness of Michigan Technological University's internal control over financial reporting.

A control deficiency exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent or detect misstatements on a timely basis. A significant deficiency is a control deficiency, or combination of control deficiencies, that adversely affects the entity's ability to initiate, authorize, record, process, or report financial data reliably in accordance with generally accepted accounting principles, such that there is more than a remote likelihood that a misstatement of the entity's financial statements that is more than inconsequential will not be prevented or detected by the entity's internal control.

A material weakness is a significant deficiency, or combination of significant deficiencies, that results in more than a remote likelihood that a material misstatement of the financial statements will not be prevented or detected by the entity's internal control.

Our consideration of the internal control over financial reporting was for the limited purpose described in the first paragraph of this section and would not necessarily identify all deficiencies in internal control that might be significant deficiencies or material weaknesses. We did not identify any deficiencies in internal control over financial reporting that we consider to be material weaknesses, as defined above.

Compliance and Other Matters

As part of obtaining reasonable assurance about whether Michigan Technological University's financial statements are free of material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts and grant agreements, noncompliance with which could have a direct and material effect on the determination of financial statement amounts. However, providing an opinion on compliance with those provisions was not an objective of our audit and, accordingly, we do not express such an opinion. The results of our tests disclosed no instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards*.

This report is intended solely for the information and use of management and the Board of Control, federal awarding agencies and pass-through entities and is not intended to be and should not be used by anyone other than these specified parties.

Rehmann Lohan

INDEPENDENT AUDITORS' REPORT ON COMPLIANCE WITH REQUIREMENTS APPLICABLE TO EACH MAJOR PROGRAM AND ON INTERNAL CONTROL OVER COMPLIANCE IN ACCORDANCE WITH OMB CIRCULAR A-133

December 17, 2008

Board of Control Michigan Technological University Houghton, Michigan

Compliance

We have audited the compliance of Michigan Technological University, with the types of compliance requirements described in the U.S. Office of Management and Budget (OMB) Circular A-133 Compliance Supplement that are applicable to each of its major federal programs for the year ended June 30, 2008. Michigan Technological University's major federal programs are identified in the summary of auditors' results section of the accompanying schedule of findings and questioned costs. Compliance with the requirements of laws, regulations, contracts and grants applicable to each of its major federal programs is the responsibility of Michigan Technological University's management. Our responsibility is to express an opinion on Michigan Technological University's compliance based on our audit.

We conducted our audit of compliance in accordance with auditing standards generally accepted in the United States of America; the standards applicable to financial audits contained in Government Auditing Standards, issued by the Comptroller General of the United States; and OMB Circular A-133, Audits of States, Local Governments, and Non-Profit Organizations. Those standards and OMB Circular A-133 require that we plan and perform the audit to obtain reasonable assurance about whether noncompliance with the types of compliance requirements referred to above that could have a direct and material effect on a major federal program occurred. An audit includes examining, on a test basis, evidence about Michigan Technological University's compliance with those requirements and performing such other procedures as we considered necessary in the circumstances. We believe that our audit provides a reasonable basis for our opinion. Our audit does not provide a legal determination of Michigan Technological University's compliance with those requirements.

In our opinion, Michigan Technological University complied, in all material respects, with the requirements referred to above that are applicable to each of its major federal programs for the year ended June 30, 2008.

Internal Control Over Compliance

The management of Michigan Technological University is responsible for establishing and maintaining effective internal control over compliance with the requirements of laws, regulations, contracts, and grants applicable to federal programs. In planning and performing our audit, we considered Michigan Technological University's internal control over compliance with the requirements that could have a direct and material effect on a major federal program in order to determine our auditing procedures for the purpose of expressing our opinion on compliance, but not for the purpose of expressing an opinion on the effectiveness of internal control over compliance. Accordingly, we do not express an opinion on the effectiveness of Michigan Technological University's internal control over compliance.

A control deficiency in an entity's internal control over compliance exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent or detect noncompliance with a type of compliance requirement of a federal program on a timely basis. A significant deficiency is a control deficiency, or combination of control deficiencies, that adversely affects the entity's ability to administer a federal program such that there is more than a remote likelihood that noncompliance with a type of compliance requirement of a federal program that is more than inconsequential will not be prevented or detected by the entity's internal control.

A material weakness is a significant deficiency, or combination of significant deficiencies, that results in more than a remote likelihood that material noncompliance with a type of compliance requirement of a federal program will not be prevented or detected by the entity's internal control.

Our consideration of internal control over compliance was for the limited purpose described in the first paragraph of this section and would not necessarily identify all deficiencies in internal control that might be significant deficiencies or material weaknesses. We did not identify any deficiencies in internal control over compliance that we consider to be material weaknesses, as defined above.

Schedule of Expenditures of Federal Awards

We have audited the financial statements of Michigan Technological University as of and for the year ended June 30, 2008 and have issued our report thereon dated December 5, 2008, which was qualified for a GAAP departure related to revenue recognition. As more fully described in Note 15, for fiscal 2007, the University recorded a delayed appropriation from the State of Michigan that was re-appropriated in fiscal 2008 as a receivable in the Statement of Net Assets with the corresponding revenue recorded in the Statement of Revenues, Expenses and Changes in Net Assets. In our opinion, accounting principles generally accepted in the United States of America require that state appropriations be recognized in the period appropriated. If this appropriation had been recorded in conformity with accounting principles generally accepted in the United States of America, state appropriations would be increased by \$4,474,000 for the year ended June 30, 2008. Our audit was performed for the purpose of forming an opinion on the financial statements taken as a whole. The accompanying schedule of expenditures of federal awards is presented for purposes of additional analysis as required by OMB Circular A-133 and is not a required part of the financial statements. Such information has been subjected to the auditing procedures applied in the audit of the financial statements and, in our opinion, is fairly stated, in all material respects, in relation to the financial statements taken as a whole.

This report is intended solely for the information and use of management, the Board of Control, federal awarding agencies and pass-through entities and is not intended to be and should not be used by anyone other than these specified parties.

Rehmann Lohan

CFDA Number	Federal Program Name	Pass-through entity	Contract Number		Federal enditures
Student Financia	d Aid Clustor				
	ns with CFDA Numbers				
	ent of Education				
84.033	Federal Work-Study Program				
04.055	College Work Study Program	-n/a-	-n/a-	\$	298,106
84.038	Federal Perkins Loan Program Federal Capit		11/ 4	Ψ	270,100
011000	Perkins	-n/a-	-n/a-		1,656,962
84.063	Federal Pell Grant Program	11/4	II d		1,030,702
0.000	Pell Grant Scholarship	-n/a-	-n/a-		3,229,124
84.066	TRIO_Educational Opportunity Centers	12 4			3,223,12
	Supplemental Education Opportunity Grant	-n/a-	-n/a-		333,630
84.268	Federal Direct Student Loans				,
	Federal Direct Loans	-n/a-	-n/a-		20,105,473
84.375	Academic Competitiveness Grants				,,
	Academic Competitiveness Grant	-n/a-	-n/a-		193,800
84.376	National Science and Mathematics Access to R	Retain Talent (SMART) Grants			,
	National SMART Grant	-n/a-	-n/a-		703,062
Total US De	partment of Education - Direct Programs with C	FDA Numbers			26,520,157
Student Financia	al Aid (No CFDA)				
Direct Program	ns with no CFDA Number				
_	ent of Education				
84.unk	No CFDA Number				
	Robert C. Byrd Honors	-n/a-	-n/a-		42,750
Total Student Fir	nancial Aid				26,562,907

CFDA				Federal
Number	Federal Program Name	Pass-through entity	Contract Number	Expenditures
Other Programs	(Non-Student Financial Aid)			
Direct Program				
_	ent of Agriculture			
10.unk	No CFDA Number			
	USAGR-ESC-2007 Silviculture course	-n/a-	AG-3187-C-07-0022	\$ 10.374
	USAGR-ESC-FFC-Silvicultur Prgm 2008	-n/a-	AG-3187-C-07-0022 MOD 0001	90,041
	USDA-ESC-FFC-Lk States Silviculture	-n/a-	LETTER DATED 05/30/08	6,804
				107,219
_	ent of Defense			
12.unk	No CFDA Number			
	Engrg Ent-C/VIO Inc/Wear Video/FPT	-n/a-	-n/a-	13,882
	USARM-CWS-IPA Agreement D Watkins	-n/a-	W91238-08-P-0035	30,335
				44,217
				44,217
US Departm	ent of Housing and Urban Development			
14.246	Community Development Block Grants/Brown	nfield Economic Development Initiative		
	USHOU-Relocation A E Seaman Mineral	-n/a-	B-05-SP-MI-0123	3,594
US Departm	ent of Interior			
15.929	Save America's Treasures			
	USPAR-Relocation A.E. Seaman Museum	-n/a-	26-04-ML-0037	71,687

CFDA Number Federal Program Name Pass-through entity Contu			Federal	
Federal Program Name	Pass-through entity	Contract Number	Expenditures	
(Non-Student Financial Aid) - continued				
	-n/a-	E4R7001919-MOD II	\$ 58,400	
• •	-n/a-	MS-17093-08-5-R-26	84,020	
ř				
			142,420	
ent of Transportation				
	-n/a-	DDFGRD-07-X-00416	6,500	
TEBER MIT IT Elselmower Tellowship	II d	BBEGRE OF IT OUT TO		
No CFDA Number				
	-n/a-	DTFH61-04-H-00005-AMD 12	92,212	
USTRA-MTTI-Tribal Technical Assist	-n/a-	DTFH61-04-H-00005-AMD 12	134,857	
			227,069	
			· · · · · · · · · · · · · · · · · · ·	
partment of Transportation			233,569	
- -				
onautics and Space Administration				
No CFDA Number				
USNAS-J Fugal & E. Saw Flwshp	-n/a-	NNX06AF98H SUPPL 1	18,808	
	partment of Transportation conautics and Space Administration No CFDA Number	(Non-Student Financial Aid) - continued as - continued ent of Labor Mine Health and Safety Grants USLAB-FY2007 YR6 MI Mine Safety Prg USLAB-Yr7 MI Mine Safety Prg -n/a- uslaber - n/a- ent of Transportation Highway Training and Education FEDER-MTTI-Eisenhower Fellowship No CFDA Number USTRA-MTTI-Tribal Tech USTRA-MTTI-Tribal Technical Assist - n/a- partment of Transportation conautics and Space Administration No CFDA Number	(Non-Student Financial Aid) - continued as - continued ent of Labor Mine Health and Safety Grants USLAB-FY2007 YR6 MI Mine Safety Prg -n/a- USLAB-Yr7 MI Mine Safety P -n/a- ent of Transportation Highway Training and Education FEDER-MTTI-Eisenhower Fellowship -n/a- No CFDA Number USTRA-MTTI-Tribal Tech USTRA-MTTI-Tribal Technical Assist -n/a- DTFH61-04-H-00005-AMD 12 DATHMENT OF TRANSPORTATION OPEN AUTHOR OPEN AUTHOR OF TRANSPORTATION OPEN AUTHOR OPE	

CFDA				Federal	
Number	Federal Program Name	Pass-through entity	Contract Number	Expenditures	
Other Programs	(Non-Student Financial Aid) - continued				
Direct Program					
	ence Foundation				
47.041	Engineering Grants				
	NSF-ATDC-#14-Snowmbl Cover System	-n/a-	EEC-0438528	\$	2,300
	NSF-ATDC-#19 WnRobo Auto Wndw Wash	-n/a-	EEC-0438528		3,128
	NSF-ATDC-#20 WnRobo Auto Wndw Wash	-n/a-	EEC-0438528		3,874
	NSF-ATDC-#5-Innovative Hnd Flshl	-n/a-	EEC-0438528		157
	NSF-ATDC-Culture Rural-Enterprise	-n/a-	EEC-0438528	1	10,350
	NSF-ATDC-Entreprn Culture Rural	-n/a-	EEC-0438528	ç	96,740
	NSF-CWS-2008 Int Symp Snc Res Mgmt	-n/a-	CBET-0827497		6,134
				12	22,683
47.050	Geosciences				
	NSF/SFI - Geosc PeEP Participant Ex	-n/a-	GEO-0503442		4,960
	NSF/SFI - Geoscience PrEP	-n/a-	GEO-0503442	1	14,836
	NSF-Earth Science Education	-n/a-	GEO-0608039	3	34,732
	NSF-Participant Support Earth Sci	-n/a-	GEO-0608039		3,465
					57,993
47.070	Computer and Information Science and Engine	ering			
	NSF-CPATH-CB Chautauqua Series	-n/a-	CCF-0722231	1	11,685
	NSF-CPATH-CB Participant Support	-n/a-	CCF-0722231		9,868
				2	21,553

CFDA Number	Federal Program Name	Pass-through entity	Contract Number	Federal Expenditures
		orga variej	001111111111111111111111111111111111111	
	(Non-Student Financial Aid) - continued			
Direct Progran				
	ence Foundation - continued			
47.076	Education and Human Resources			
	NATIO - Part Exp - EnVISIONS	-n/a-	HRD-0714197	\$ 77,207
	NATIO-EnVISIONS	-n/a-	HRD-0714197	28,040
	NSF-ADV ACCT-Erin Satchell Fellwshp	-n/a-	DGE-0539494 AMENDMENT NO. 002	40,960
	NSF-ADV ACCT-Matthew Barron Flwshp	-n/a-	DGE-0539494 AMENDMENT NO. 002	40,535
	NSF-Grad/Undergrad Engg Initiatives	-n/a-	DUE-0220500	35,877
	NSF-Meghan McGee Fellowship	-n/a-	DGE-0539494 AMENDMENT NO. 002	40,500
	NSF-MUSTI-ADV ACCT-Mark Griep Fello	-n/a-	DGE-0539494 AMENDMENT NO. 002	40,540
	NSF-SFI-Valerie Fuchs Fellowship	-n/a-	DGE-0539494 AMENDMENT NO. 002	40,500
			_	344,159
47.unk	No CFDA Number			
	NSF-IPA Assignment Sorby, Sheryl	-n/a-	DUE-0715774-002	105,208
	NSF-IPA-Yr2-Assignment Sorby S	-n/a-	DUE-0715774-002	109,257
	NSF-Nancy Bachmann Fellowship	-n/a-	DGE-0539494	2,500
			_	216,965
Total Nation	al Science Foundation		_	763,353
US Environn	nental Protection Agency			
66.513	Greater Research Opportunities (GRO) Fellow	ships For Undergraduate/Graduate	Environmental Study	
	EPA-Joseph Bump Fellowship	-n/a-	MA-91652601-0,1,2	12,940
	EPA-SFI-Grad Fellowship-L.Fry	-n/a-	MA-91686301-1	13,950
				26,890

CFDA Number	Federal Program Name	Pass-through entity	Contract Number	Federal Expenditures
Number	rederai rrogram Name	r ass-till ough entity	Contract Number	Expellultures
Other Programs	(Non-Student Financial Aid) - continued			
Direct Program				
US Departm	ent of Education			
84.116	Fund for the Improvement of Postsecondary	Education		
	USEDU/RSI-YR 2-EHAZ Am Earth Haz	-n/a-	P116N040003-ACTION NO. 06	\$ 21,770
	USEDU-RSI-YR 3-EHA ZiAmer	-n/a-	P116N040003-ACTION NO. 06	15,084
	USEDU-RSI-Yr4-EHAZ-Earth Hazards	-n/a-	P116N040003-ACTION NO. 06	22,746
				59,600
84.200	Graduate Assistance in Areas of National Nec	d		
	USEDU - GAANN: YEAR 3 MAIN	-n/a-	P200A030192-05-ACTION NO. 03	24
	USEDU-GAANN-YR2-B Ott Fellow	-n/a-	P200A030192-05-ACTION NO. 03	23,608
	USEDU-GAANN-YR2-Carlson Fellow	-n/a-	P200A030192-05-ACTION NO. 03	29,707
	USEDU-GAANN-YR2-Jeltenma Fellow	-n/a-	P200A030192-05-ACTION NO. 03	13,403
	USEDU-GAANN-YR2-Lewandowski Fello	w -n/a-	P200A030192-05-ACTION NO. 03	30,104
	USEDU-GAANN-YR2-Weigand Fellow	-n/a-	P200A030192-05-ACTION NO. 03	21,997
				118,843
Total US De	partment of Education			178,443
US Departm	ent of Homeland Security			
97.044	Assistance to Firefighters Grant			
	USHOM-Fire Prevention & Safety	-n/a-	EMW-2007-FP-02272	42,455
Total Other Pi	rograms (Non-Student Financial Aid) - Direct Pr	ograms		1,632,655

CFDA Number	Federal Program Name	Pass-through entity	Contract Number	Federal Expenditures
Other Programs	(Non-Student Financial Aid) - continued			
Pass-through l	Programs			
US Departm	ent of Agriculture			
10.664	Cooperative Forestry Assistance			
	FORES-FFC-Ford Center & Stream	Forest Stewardship Program	38-6005955	\$ 444
US Departm	nent of Housing and Urban Development			
14.246	Community Development Block Grants/Brown	field Economic Development Initiative		
	MIECO-Advancing Reloc Mineral Museu	Michigan Economic Development Corporation	B-06-SP-MI-0494	8,974
US Departm	nent of Transportation			
20.unk	No CFDA Number			
	MITRA-MTTI-2008 ORNBP	Michigan Department of Transportation	NO 2006-0414 AUTH NO. 15	20,170
	MITRA-MTTI-MERL 2008	Michigan Department of Transportation	CONTRACT 2005-0014 AUTH #5	38,730
	MITRA-MTTI-Roadsoft Safety Pilot 08	Michigan Department of Transportation	2006-0414 AUTH 17	11,223
	MITRA-MTTI-TDG-Job 101367 LTAP 2008	8	2003-0062 AUTH 6	181,889
	MITRA-MTTI-TDG-Job 101368 LTAP 2008		2003-0062 AUTH 6	61,523
	MITRA-MTTI-TDG-Job 102236 LTAP 2008	9 1 1	2003-0062 AUTH 6	45,248
	MITRA-MTTI-TDG-Rdsoft 2007	Michigan Department of Transportation	CONTRACT 2007-0339 AUTH Z3	263,532
	MITRA-MTTI-TDG-RoadSoft 2008	Michigan Department of Transportation	WORK AUTHORIZATION NO. Z6	394,656
	MITRA-MTTI-TDG-Roadsoft Safety Mod	Michigan Department of Transportation	2007-0339 AUTH Z4	166,455
	UNIVE-Great Lakes Maritime	University of Wisconsin-Superior	UNIV OF WI-SUP SUB	29,471
	UNIVE-Grt Lks Maritm K12	University of Wisconsin-Superior	144 051038 4	34,373
Total US De	partment of Transportation			1,247,270
National Ae	ronautics and Space Administration			
43.unk	No CFDA Number			
	UNIVE-A. Zevalkink-Lunar Dust Remov	University of Michigan	SPACE GRT CHK #1622876	2,500
	UNIVE-A.Zevalkink-Regenerable Emitt	University of Michigan	CHECK #1821532	10
	UNIVE-Admin Space Grant	University of Michigan	CHK #1687186	1,625

CFDA Number	Federal Program Name	Pass-through entity	Contract Number	Feder Expendi	
Other Programs	(Non-Student Financial Aid) - continued				
Pass-through I	Programs				
National Ae	conautics and Space Administration - continued				
43.unk	No CFDA Number - continued				
	UNIVE-ADV ACCT-Eng to Rural	University of Michigan	ADVANCE ACCOUNT	\$	562
	UNIVE-Applied Space Science	University of Michigan	SPACE GRT CHK 1672756		10,000
	UNIVE-BRC-K. Jarvey-Spaceflight	University of Michigan	SPACE GRT CK#1622876		1,876
	UNIVE-CP Limnological Rsch	University of Michigan	SPACE GRT CHK 1672756		2,195
	UNIVE-CWS-SFI-Delineating Fracture	University of Michigan	CHECK #1821532 MSGC		704
	UNIVE-D.Walters-Metal Nanotip	University of Michigan	CHECK #1821532		2,073
	UNIVE-Designing for Tomorrow	University of Michigan	CHK #1445505		5,000
	UNIVE-E. McCarthy-Volcanic Vapor	University of Michigan	SPACE GRT CK#1622876		5,000
	UNIVE-E. Meyer-Lunar Dust Removal	University of Michigan	SPACE GRT CK#1622876		2,500
	UNIVE-Fld Train Erth Sys	University of Michigan	CHK #1445505		3,763
	UNIVE-Hands on Project	University of Michigan	SPACE GRT CHK 1672756		2,500
	UNIVE-J.Durocher-Mental Stress Baro	University of Michigan	CHECK #1821532		5,000
	UNIVE-J.Thompson-SNOES CoanSat Prjc	University of Michigan	CHECK #1821532		2,459
	UNIVE-Limnological Rsch Lk Superior	University of Michigan	SPACE GRT CHK 1672756		2,242
	UNIVE-Matt Chye/Nickel Electrode	University of Michigan	CHECK # 1393425		5,000
	UNIVE-P. Younk-Cosmic Ray Analysis	University of Michigan	SPACE GRT CK#1622876		3,677
	UNIVE-R. Bradford-Bone Maintenance	University of Michigan	SPACE GRT CK#1622876		2,142
	UNIVE-S. Irish-Ozonolysis & Hydroxi	University of Michigan	SPACE GRT CK#1622876		2,352
	UNIVE-S.Wojda-Effects of Disuse	University of Michigan	CHECK #1821532		1,984
	UNIVE-Space Grant Admin	University of Michigan	CHECK # 1445508		-
	UNIVE-T. Swanson-Meniscal Tissue	University of Michigan	SPACE GRT CK#1622876		2,000
	UNIVE-T. Weber-High Altitude Glider	University of Michigan	SPACE GRT CK#1622876		2,500
	UNIVE-Tim Weber/High Altitude Glide	University of Michigan	CHECK #1393425		6
	UNIVE-Women in Engineering	University of Michigan	SPACE GRT CHK #1672756		5,000
	UNIVE-Zevalkink/High Altitude Glide	University of Michigan	CHECK # 1393425		3
Total Nation	al Aeromautics and Space Administration				74,6

CFDA Number	Federal Program Name	Pass-through entity	Contract Number	Federal Expenditures
Other Programs	(Non-Student Financial Aid) - continued			
Pass-through 1	Programs			
	ence Foundation			
47.unk	No CFDA Number			
	TENNE-IMP-Part Exp-Yr 7 Conf	Tennessee Technological University	CONTRACT ORDER #16852	\$ 15,209
	TENNE-IMP-Yr 7 Conference	Tennessee Technological University	CONTRACT ORDER #16852	22,818
Total Nation	nal Science Foundation			38,027
US Environ	mental Protection Agency			
66.unk	No CFDA Number			
	WESTE-GLEAMS Workshops 2007	Western Michigan University	LETTER DATED 12/12/07	12,000
US Departm	nent of Education			
84.048	Vocational Education_Basic Grants to States			
	MIEDU - YES! Expo 2007	Michigan Department of Education	PROJECT #80162	25,000
84.116	Fund for the Improvement of Postsecondary I	Education		
	NORTH-Brazil Higher Educ Consortium	North Dakota State Universtiy	SUBCONTRACT #12913	10,400
84.334	Gaining Early Awareness and Readiness for U	Indergraduate Programs		
	MILAB-2007-2008 Gear Up	Michigan Department of Labor & Economic	Growtl GRANT #07-00-07 YR 2	15,787
	MILAB-Gear Up/College Day Program	Michigan Department of Labor & Economic	Growtl GEAR UP	23,899
				39,686
84.367	Improving Teacher Quality State Grants		070200 072	40.00
	MIEDU-CCISD-Dev Algebraic Thk	Michigan Department of Education	070290-073	4,860
	MIEDU-CCISD-Educ Sci/Math-Math	Michigan Department of Education	060290-1211	8,532
	MIEDU-CCISD-Stat & Prob 2	Michigan Department of Education Michigan Department of Education	070290-063 070290-063	7,020
	MIEDU-Deptof Ed-Stats & Probability	Michigan Department of Education	070290-003	26,706

CFDA				Federal
Number	Federal Program Name	Pass-through entity	Contract Number	Expenditures
Other Programs	(Non-Student Financial Aid) - continued			
Pass-through 1				
_	ent of Education - continued			
84.367	Improving Teacher Quality State Grants - co	ntinued		
	MIEDU-Div Prg-Stats & Prob	Michigan Department of Education	070290-063	\$ 59,15
	MIEDU-Dpt of Ed-Dev Algebraic Thk	Michigan Department of Education	070290-073	28,04
	MIEDU-Ed Opp- Stats & Probability	Michigan Department of Education	070290-063	5,30
	MIEDU-Ed Opp-Dev Algebraic Thk 2	Michigan Department of Education	070290-073	56,270
	MIEDU-EdOpp-Develop Algebraic Think	Michigan Department of Education	070290-073	3,532
	MIEDU-Educ Sci/Math-Mathematics	Michigan Department of Education	060290-1211	17,589
	MIEDU-Educs' Science/Math-Math	Michigan Department of Education	060290-1211	(930
	MIEDU-GRAPCEP-Dev Algebraic Thk	Michigan Department of Education	070290-073	4,860
	MIEDU-Kalamazoo-Stats & Prob 2	Michigan Department of Education	070290-063	42
	MIEDU-EPDIS-Wld Hist & Geography	Michigan Department of Education	080290-109	25,24
	MIEDU-OID-TIIP Teaching Algebra	Michigan Department of Education	GRANT #080290-108	16,229
	MIEDU-Subs-TIIP Teaching Algebra	Michigan Department of Education	GRANT #080290-108	7,290
	MIEDU-TIIP Teaching Algebra	Michigan Department of Education	GRANT #080290-108	18,219
				287,96
Total US De	partment of Education			363,05
97.017	Pre-Disaster Mitigation (PDM) Competitive (Grants		
	MIPOL-Pre-Dstr Mitigat Grant	Michigan Department of State Police	HAZARD MITIGATION GRNT AGMT	30,573
Total Other Pi	rograms (Non-Student Financial Aid) - Pass-thro	ough Programs		1,775,01
Total Other Prog	grams (Non-Student Financial Aid)			3,407,669

CFDA Number	Federal Program Name	Pass-through entity	Contract Number	Federal Expenditures	
Research and De	evelopment Programs				
_	ns with CFDA Numbers				
US Departm	ent of Agriculture				
10.001	Agricultural Research_Basic and Applied Res	search			
	USAGR-Dev Observ on Pico Mtn	-n/a-	58-3625-5-127 MOD #1	\$	20,567
10.025	Plant and Animal Disease, Pest Control, and A	Animal Care			
	USAGR-ESC/Emeral Ash Borer Trapping	-n/a-	06-8100-1133-CA		18,073
	USAGR-ESC/Emerald Ash Borer GRA	-n/a-	06-8100-1133-CA		8,432
	USAGR-ESC-FFC-Em Ash Borer	-n/a-	06-8100-1133-CA		960
					27,465
10.202	Cooperative Forestry Research				
	MS - Effect of Invasive Earthworms	-n/a-	FY 2007 MAC STENNIS		4,769
	MS - FY07 - Forest Landscapes	-n/a-	FY 2007 MAC STENNIS		5,246
	MS - FY07 Admistrative	-n/a-	FY 2007 MAC STENNIS		132,185
	MS - FY07 Bucker Training	-n/a-	FY 2007 MAC STENNIS		2,783
	MS - FY07 Insect Incidence	-n/a-	FY 2007 MAC STENNIS		1,555
	MS - Stand Dynamics	-n/a-	FY 2007 MAC STENNIS		4,254
	MS-BRC-Molecular Genetics	-n/a-	FY 2007 MAC STENNIS		13,478
	MS-BRC-Tree Biotechnology	-n/a-	FY 2007 MAC STENNIS		92
	MS-ESC-FY07 C02 & 03	-n/a-	FY 2007 MAC STENNIS		5,865
	MS-ESC-FY07 MortalityModel	-n/a-	FY 2007 MAC STENNIS		2,545
	MS-ESC-FY07 Sarracenia Pur	-n/a-	FY 2007 MAC STENNIS		2,634
	MS-ESC-FY07 Trees & Shrubs	-n/a-	FY 2007 MAC STENNIS		4,794
	MS-FFC-Biofuel Production	-n/a-	MCINTIRE-STENNIS FY08		7,000
	MS-FFC-BRC-Cryopreservation	-n/a-	MCINTIRE-STENNIS FY08		7,000
	MS-FFC-BRC-Forest Health/Productivt	-n/a-	MCINTIRE-STENNIS FY08		379
	MS-FFC-BRC-Molecular Genetics	-n/a-	MCINTIRE-STENNIS FY08		2,187

CFDA				F	Federal
Number	Federal Program Name	Pass-through entity	Contract Number	Exp	enditures
Research and Do	evelopment Programs - continued				
Direct Program	ms with CFDA Numbers - continued				
US Departm	nent of Agriculture - continued				
10.202	Cooperative Forestry Research - continued				
	MS-FFC-ESC-Biomass Prod Support	-n/a-	MCINTIRE-STENNIS FY08	\$	3,018
	MS-FFC-ESC-Fire Insect Fungi Ecosys	-n/a-	MCINTIRE-STENNIS FY08		3,379
	MS-FFC-ESC-Healing Hardwood Defects	-n/a-	MCINTIRE-STENNIS FY08		8,724
	MS-FFC-ESC-Impacts Elevated CO2 O3	-n/a-	MCINTIRE-STENNIS FY08		3,899
	MS-FFC-ESC-Res Dev For Ecosystems	-n/a-	MCINTIRE-STENNIS FY08		3,021
	MS-FFC-ESC-Trees & Shrubs	-n/a-	MCINTIRE-STENNIS FY08		7,667
	MS-FFC-ESC-Vegetation Dyn GL Reg	-n/a-	MCINTIRE-STENNIS FY08		2,547
	MS-FFC-ESC-Wolf/Moose Monitoring	-n/a-	MCINTIRE-STENNIS FY08		6,995
	MS-FFC-Forest Map GIS Modelling	-n/a-	MCINTIRE-STENNIS FY08		4,105
	MS-FFC-FY08 Administrative	-n/a-	MCINTIRE-STENNIS FY08		67,432
	MS-FFC-GIS & Boreal Chorus Frogs	-n/a-	MCINTIRE-STENNIS FY08		5,616
	MS-FFC-Invasiv Earthworms Hydrology	-n/a-	MCINTIRE-STENNIS FY08		3,842
	MS-FY 07-Hrv Efcts Soils	-n/a-	FY 2007 MAC STENNIS		3,569
	MS-FY07 Biofuel Prod	-n/a-	FY 2007 MAC STENNIS		3,470
	MS-FY07 Hist Vegetation	-n/a-	FY 2007 MAC STENNIS		2,845
	MS-FY07-Nearshore Forest	-n/a-	FY 2007 MAC STENNIS		3,601
	MS-Impr Thimbleberry	-n/a-	FY 2007 MAC STENNIS		879
					331,375

CFDA				Federal
Number	Federal Program Name	Pass-through entity	Contract Number	Expenditures
Research and De	evelopment Programs - continued			
	ms with CFDA Numbers - continued			
	nent of Agriculture - continued			
10.206	Grants for Agricultural Research_Competitive	Research Grants		
10.200	USAGR/BRC-Genetic Engineering Trees	-n/a-	2005-35103-15256	\$ 71.264
	USAGR-BRC Crbn Nanotubes Bact Arays	-n/a-	2003-35103-13230	11.862
	USAGR-BRC-Bidirec-Prom Rice Genm	-n/a-	2007-35301-17740	31,745
	USAGR-BRC-Crbn Nanotube Arrays-Betr	-n/a-	2007-35301-18030	5,603
	USAGR-GRA-BRC-Crbn Nanotube Arrays	-n/a-	2007-35603-17740	9,969
	USAGR-GRA-Functional Gene Discovery	-n/a-	2007-33003-17740	18,824
	•	-n/a-	2004-35300-14687	49.345
	USAGR-PBC/Functional Gene Discovery USAGR-PBC/Molecular Dissection	-11/a- -n/a-	2004-33300-14687	49,343 429
	USAGR-PBC/Syringyl Monolignol Genes	-n/a-	2002-35301-12048	5,561
	USAGR-RS Sensors to NRCS	-n/a-	2006-35615-16717 AMENDMENT 1	191,317
				395,919
10.652	Forestry Research			
	USDA/ESC-Soil Carbon Cycling & Stor	-n/a-	05-CA-11242343-043 MOD #2	4,186
10.664	Cooperative Forestry Assistance			
	USAGR/ESC-Eval Health of Ash Trees	-n/a-	03-CA-11244225-577-MOD NO. A3	14,321
	USAGR/ESC-Interactions in Red Pine	-n/a-	05-CA-11244225-153 MOD A1	(2,917)
	USAGR-ESC-Interactions in Red Pine	-n/a-	05-CA-11244225-153 MOD A1	3,087
				14,491

CFDA Number	Federal Program Name	Pass-through entity	Contract Number		ederal enditures			
Research and Development Programs - continued Direct Programs with CFDA Numbers - continued								
	ent of Agriculture - continued							
10.673	Wood In Transportation Program							
	USAGR-Rd Pine/Eastern Hemlock Bridg	-n/a-	04-DG-11244225-469	\$	10,422			
10.680	Forest Health Protection							
	USAGR/ESC 2006 Emerald Ash Borer	-n/a-	06-CA-11244225-079		(2,176)			
	USAGR-ESC 2007 Ash Damage Grnd Eval	-n/a-	07-CA-11420004-261		31,139			
	USAGR-ESC Emerald Ash Rfn Trp Tree	-n/a-	07-CA-11420004-131		33,898			
	USAGR-ESC Mdelng Phloem Rmvl fr Ash	-n/a-	05-CA-11244225-296 MOD A2		12,449			
	USAGR-ESC/2006 Emerald Ash Borer	-n/a-	06-CA-11244225-079		(13,405			
	USAGR-ESC/Phloem Removal fr Ash	-n/a-	05-CA-11244225-296 MOD A2		48,713			
	USAGR-ESC-07 Emerald Ash	-n/a-	07-CA-11420004-091		304,282			
	USAGR-ESC-C/S-Pblc Awr Firewd Em	-n/a-	06-DG-11244225-320		(432			
	USAGR-ESC-FFC-2008 Sirex Noctilio	-n/a-	08-CA-11420004-238		2,864			
	USAGR-ESC-Spnr-Pblc Awr Firewd Em	-n/a-	06-DG-11244225-320		2,319			
	USAGR-FFC-ESC-ADV ACCT-08 MI/WI E	A-n/a-	08-CA-11420004-239		203			
	USAGR-Garlic Mustard invasion in Mi	-n/a-	05-DG-11244225-044		20,560			
	USAGR-GRA-Garlic Mustard Invasion	-n/a-	05-DG-11244225-044		544			
	USFOR-ESC-Emerald AshCatlg Lve Tre	-n/a-	07-CA-11420004-132		2,553			
					443,511			
10.902	Soil and Water Conservation	,			255.001			
	USAGR-USDA NRCS YR3&4	-n/a-	AGREEMENT # 68-EDC21-3-110	-	355,301			
Total US De	partment of Agriculture				1,603,237			

CFDA Number	Federal Program Name	Pass-through entity	Contract Number	Federal Expenditu	
Number	reuciai i rogram Name	1 ass-through chity	Contract Number	Expenditu	ics
Research and De	velopment Programs - continued				
Direct Program	ns with CFDA Numbers - continued				
US Departm	ent of Defense				
12.300	Basic and Applied Scientific Research				
	OFFIC-IEM-Dvlp Hgh Magneto	-n/a-	N00014-07-1-0484	\$	52,878
12.630	Basic, Applied, and Advanced Research in Sci	ience and Engineering			
	OFFIC-Geostatistical Space	-n/a-	HM1582-07-1-2031	-	49,888
12.800	Air Force Defense Research Sciences Program	1			
	USAIR-CISSIC-YR 2 Image Reconstruct	-n/a-	FA9550-05-1-0404 P00002		54,655
	USAIR-CISSIC-YR 4 Image Reconstruct	-n/a-	FA9550-05-1-0404 P00002		52,932
	USAIR-DURIP 07 - Microplasma Device	-n/a-	FA9550-07-1-0498		94,917
	USAIR-DURIP 07 -Human Robot Intract	-n/a-	FA9550-07-1-0500	3	377,724
	USAIR-MuSTI-Yr 1 Self Reg Nanotips	-n/a-	FA9550-07-1-0053		45,461
	USAIR-MuSTI-Yr2-Self Reg Nanotips	-n/a-	FA9550-07-1-0053		93,526
	USAIR-Nanostlt Space Sit Awarens	-n/a-	FA9550-07-1-0263		34,766
	USAIR-Yr 2 Nanostlt Space Awareness	-n/a-	FA9550-07-1-0263		10,700
	USAIR-YR 3-PECASE: Bismuth Thruster	-n/a-	FA9550-05-1-0001 P00006		3,914
	USAIR-Yr 4-PECASE-:Bismuth	-n/a-	FA9550-05-1-0001 P00006	-	65,942
				8	334,537
12.901	Mathematical Sciences Grants Program				
	OFFIC-Classical & Quantum Codes Res	-n/a-	H98230-06-1-0027		6,650
	OFFIC-Combinatorial Designs & Codes	-n/a-	H98230-08-1-0065	-	20,544
					27,194
Total US De	partment of Defense			9	964,497

CFDA Number	Federal Program Name	Pass-through entity	Contract Number	Federal Expenditures
Research and De	velopment Programs - continued			
	ns with CFDA Numbers - continued			
	ent of Interior			
15.224	Cultural Resource Management			
	USBUR-MTRI-ALWAS II	-n/a-	LAF 07 0001, AMEND #002 TO#3	\$ 22,707
	USBUR-NSSI-Intergov Website Mtce/Op	-n/a-	AGREEMENT NO. LAA 08 0008	3,145
				25,852
15.234	Secure Rural Schools and Community Self-De	termination		
	USBUR-North Slope Water Charac Prj	-n/a-	LAA 07 0008	89,085
15.647	Migratory Bird Conservation			
	USFIS-ESC-FFC-Habitat Quality	-n/a-	GRANT AGRMT NO 301818G068	5,980
	USFIS-FFC-ESC-Gld Wgd Warbler Hbtat	-n/a-	GRANT AGMT NO. 301818G061	6,232
				12,212
15.808	U.S. Geological Survey Research and Data Col	llection		
	USGEO-SFI-Eval Crbn Mgmt Info Needs	-n/a-	07ERAG0080	7,035
Total US De	partment of Interior			134,184
US Departm	ent of Transportation			
20.701	University Transportation Centers Program			
	USTRA-NSR-MTTI/MiSTI 2006 Spr Funds	-n/a-	DTRT06-G-0033 MOD 1	(26,922)
	USTRA-NSR-MTTI-MiSTI 2006 Spnr	-n/a-	DTRT06-G-0033 MOD 1	146,174
	USTRA-NSR-MTTI-MiSTI-2007	-n/a-	DTRT06-G-0033 MOD 1	293,291
Total US De	partment of Transportation			412,543

CFDA				=	ederal
Number	Federal Program Name	Pass-through entity	Contract Number	Exp	enditures
Research and De	evelopment Programs - continued				
	ms with CFDA Numbers - continued				
	undation for the Arts				
45.149	Promotion of the Humanities_Division of Pres	ervation and Access			
	NEH-MTU Archives Monitor Disaster R	-n/a-	PG-50268-08	\$	5,092
National Sci	ence Foundation				
47.041	Engineering Grants				
	NATIO-MuSTI-CAREER MOLFET	-n/a-	ECCS-0643420		15,790
	NATIO-MuSTI-GRA-CAREER	-n/a-	ECCS-0643420		59,419
	NATIO-NSR-GRA-PERC-Blkot Likelihd	-n/a-	ECS-0501419		31,893
	NATIO-NSR-PERC-Part 2-Rdc Blckt Lik	-n/a-	ECS-0501419		9,534
	NATIO-NSR-PERC-Redc Blackout Liklhd	-n/a-	ECS-0501419		2,428
	NATIO-NSR-PERC-Trvl Rdc Blckot Llhd	-n/a-	ECS-0501419		3,563
	NSF - CAREER: GRA	-n/a-	CTS-0348058 AMD #002		55,510
	NSF - REU - GOALI:Grained Ceramics	-n/a-	CMS-0324461-AMD 002		45
	NSF/CISSIC-Electr Engg for Non-EE	-n/a-	EEC-0415962-AMD 002		76,350
	NSF/CISSIC-GRA-Eelctr for Non EE	-n/a-	EEC-0415962-AMD 002		21,847
	NSF/CLASM - Product Modularity	-n/a-	DMI-0323497-AMD 001		(3,964)
	NSF/IEM-Nano Magnet Faraday	-n/a-	ECS-0520814 AMD #001		73,621
	NSF/SFI - GRA Rnw Engery Forest Res	-n/a-	BES-0524872		25,265
	NSF/SFI - GRA -Thermoplastic Resins	-n/a-	DMI-0456537 AMD #001		42,868
	NSF/SFI - Renew Energy forest Res	-n/a-	BES-0524872		133,957
	NSF/SFI - Thermoplastic Resins	-n/a-	DMI-0456537 AMD #001		38,581
	NSF/SFI-GRA Renew Energy Forest Res	-n/a-	BES-0524872		78,741
	NSF/SFI-GRA Rnw Energy Forest Res	-n/a-	BES-0524872		56,202

CFDA]	Federal
Number	Federal Program Name	Pass-through entity	Contract Number	Expenditure	
Research and De	evelopment Programs - continued				
Direct Progran	ms with CFDA Numbers - continued				
National Sci	ence Foundation - continued				
47.041	Engineering Grants - continued				
	NSF/SFI-Particpnt Rnw Enrgy Frst Rs	-n/a-	BES-0524872	\$	758
	NSF/SFI-Renew Energy Forestry Res	-n/a-	BES-0524872		42,013
	NSF/SFI-REU Site in Sustainability	-n/a-	EEC-0453174 AMD # 002		88,557
	NSF-APS-MRI Dev Combustion Vessel	-n/a-	CTS-0619585		429,324
	NSF-ASISC-Collab Rsch Cntr Sust Lrn	-n/a-	IIP-0733905		5,462
	NSF-CAREER: Fluid Dynamics	-n/a-	CTS-0348058 AMD #002		51,557
	NSF-CISSIC GRA Scalable Sensor	-n/a-	ECS-0528967		27,277
	NSF-CISSIC Scalable Crd for Sensor	-n/a-	ECS-0528967		38,456
	NSF-Collab Rsrch Interfacial Istb	-n/a-	CBET-0651790		147
	NSF-CWS-Mdl/Analyz Water-Grt Lks	-n/a-	CMMI-0725636		83,312
	NSF-GOALI-GRA-Ultrafine Gr Ceramic	-n/a-	CMS-0324461-AMD 002		9,009
	NSF-GOALI-Ultrafine Grained Ceramic	-n/a-	CMS-0324461-AMD 002		25,229
	NSF-GRA-Collab Rsch Interf Istbl	-n/a-	CBET-0651790		27,310
	NSF-MuSTI-CAREER: Gas-Liq Interface	-n/a-	CBET-0748049		7,294
	NSF-MuSTI-NUE: MTU Nanotech Enterpr	-n/a-	EEC-0741490		16,078
	NSF-MuSTI-NUE: MTU Nanotech-Sponsor	-n/a-	EEC-0741490		49,373
	NSF-NSR-CISSIC - ITR: Mobile Remote	-n/a-	ECS-0427430-AMD 1-3		(16,768)
	NSF-NSR-CISSIC- ITR: Mobile Remote	-n/a-	ECS-0427430-AMD 1-3		50,302
	NSF-NSR-CISSIC- REU - Mobile Remote	-n/a-	ECS-0427430-AMD 1-3		5,118
	NSF-NSR-CISSIC-GRA-ITR: Mobile	-n/a-	ECS-0427430-AMD 1-3		20,024
	NSF-NSR-CISSIC-GRA-ITR-Mobile	-n/a-	ECS-0427430-AMD 1-3		30,230
	NSF-NSR-CISSIC-Suppl#4-ITR-Mobile	-n/a-	ECS-0427430-AMD 1-3		12,398
	NSF-SFI/(REU) Thermoplastic Resins	-n/a-	DMI-0456537 AMD #001		2,208
	NSF-SFI-Int Wkshop Auckland Dec 08	-n/a-	CMMI-0824767		7,578
	NSF-MTTI-Micrstr Asphalt Mtls	-n/a-	CMMI-0701264		11,822
	NSF-REU-MTTI-Microstr Asphalt Mtls	-n/a-	CMMI-0701264		60
					1,745,778

CFDA				F	ederal
Number	Federal Program Name	Pass-through entity	Contract Number	Expenditures	
Research and De	velopment Programs - continued				
	ns with CFDA Numbers - continued				
National Sci	ence Foundation - continued				
47.049	Mathematical and Physical Sciences				
	NATIO-GRA Study Heterogeneous Nucl	-n/a-	CHE-0410007-AMD 002	\$	31,304
	NATIO-NSF-Bound/Continuum Prop L	-n/a-	PHY-0652844		34,956
	NSF/IME-CAREER:Frontier Carbon Mtls	-n/a-	DMR-0447555 AMD # 001		37,015
	NSF/IME-General Ensemble Algorithms	-n/a-	CHE-0313618		6,219
	NSF/IME-GRA-Frontier Carb	-n/a-	DMR-0447555 AMD # 001		29,777
	NSF/IME-GRA-Gener Ensembel Algorith	-n/a-	CHE-0313618		140
	NSF-IME - Heterogeneous Nucleation	-n/a-	CHE-0410007-AMD 002		20,781
	NSF-MuSTI-Materials World Network	-n/a-	DMR-0709669		115,877
	NSF-Properties Lathanide & Actinide	-n/a-	PHY-0354793-AMD 002		3,633
	NSF-Smpl Mthds Oligonucleotide Pr	-n/a-	CHE-0647129		68,422
					348,124
47.050	Geosciences				
	NATIO-RSI-Ozone Photoc	-n/a-	ATM-0720955		81,374
	NSF/RSI-Ultra-Violt Dgtl Camra Volc	-n/a-	EAR-0337120 AMD 003		27,437
	NSF-Collab Rsch: Mono Lake Event	-n/a-	EAR-0439155		5,788
	NSF-CWS-Lake Sup Carbon Bal	-n/a-	OCE-0628545		78,359
	NSF-RSI/Midlatitude Lower Free Trop	-n/a-	ATM-0535486 MOD 1-3		61,466
	NSF-RSI/Physical Meteorology Proces	-n/a-	ATM-0554670		91,891
	NSF-RSI-Acq Thermal Camera Volcanic	-n/a-	EAR-0732632		62,894
	NSF-RSI-Turbulence-Cloud	-n/a-	ATM-0535488		142,856
	NSF-SGER: In-Situ Volcanic Plume	-n/a-	EAR-0738956		3,993
					556,058

CFDA				F	'ederal
Number	Federal Program Name	Pass-through entity	Contract Number	Expenditures	
Research and De	evelopment Programs - continued				
Direct Prograi	ms with CFDA Numbers - continued				
National Sci	ence Foundation - continued				
47.070	Computer and Information Science and Engine	eering			
	CAREER: GRA Future Level Parall	-n/a-	CCF-0347592-AMD 003	\$	44,784
	NATIO-CISSIC-CAREER-RealTime Robust	-n/a-	CNS-0644056		19,468
	NATIO-CISSIC-GRA-Real Time Robust	-n/a-	CNS-0644056		6,199
	NATIO-ITR: GRA Exp Compiler to Hdwr	-n/a-	CCR-0312892-AMD 001		(306)
	NSF - REU - US-Russian Research	-n/a-	CCF-0310632-AMD 001		2
	NSF - US-Russian Collaborative Rsch	-n/a-	CCF-0310632-AMD 001		1,233
	NSF/CISSIC-CAREER:Signal Proces Rsc	-n/a-	CCR-0238174-AMD 002		57,980
	NSF/CISSIC-CAREER-GRA-Signal Proces	-n/a-	CCR-0238174-AMD 002		3,688
	NSF-CAREER:Future Level Parallelism	-n/a-	CCF-0347592-AMD 003		37,394
	NSF-CAREER:Memory Controller	-n/a-	CCF-0133777-AMD 004		16,562
	NSF-CISSIC/CSR-EHS:Embedded Body Ne	-n/a-	CNS-0720781		4,011
	NSF-GRA-CAREER:Memory Controller	-n/a-	CCF-0133777-AMD 004		15,962
	NSF-ITR: Exposing Compiler to Hdwe.	-n/a-	CCR-0312892-AMD 001		1,719
	NSF-REU-CAREER:Memory Controller	-n/a-	CCF-0133777-AMD 004		(2,596)
					206,100
47.074	Biological Sciences				
	NSF/BRC-Glycoside Metab	-n/a-	DBI-0421756 AMD 001-5		444,576
	NSF/BRC-PGRP Part Sup	-n/a-	DBI-0421756 AMD 001-5		5,823
	NSF/ESC-Interactions Wolves/Moose	-n/a-	DEB-0424562-AMD 001-4		89,084
	NSF/ESC-Nitrogen Satur/Altered Eco	-n/a-	DEB-0315138-AMD 003		27,446
	NSF-BRC/REU-Phenolic Glyco	-n/a-	DBI-0421756 AMD 001-5		1,490
	NSF-ESC/REU Nitrogen Saturation	-n/a-	DEB-0315138-AMD 003		1,617
	NSF-ESC-FFC-Yellowstone Wolves	-n/a-	DEB-0613730		92,601
	NSF-ESC-Genes to Ecosystems	-n/a-	DEB-0614422		290
	NSF-GRA-Nitrogen Satuation	-n/a-	DEB-0315138-AMD 003		17,496

CFDA Number	Federal Program Name	Pass-through entity	Contract Number	Federal Expenditures
Research and De	evelopment Programs - continued			
Direct Program	ms with CFDA Numbers - continued			
National Sci	ence Foundation - continued			
47.074	Biological Sciences - continued			
	NSF-PBC/CAREER:Cellulose Biosynthes	-n/a-	IBN-0236492-AMD 003	\$ (11,786)
	NSF-PBC-GRA Cellulose Biosynthesis	-n/a-	IBN-0236492-AMD 003	48,992
				717,629
47.075	Social, Behavioral, and Economic Sciences			
	NSF - PhD Prgm Industr'l Archeology	-n/a-	SES-0454711 AMEND 01	40,364
	NSF-GRA-PhD Prgm Indust. Archeology	-n/a-	SES-0454711 AMEND 01	41,062
	NSF-Part Exp-SHOT Workshop	-n/a-	SES-0623056	18,910
	NSF-SHOT Workshop	-n/a-	SES-0623056	501
				100,837
47.076	Education and Human Resources			
	NSF - GSE/RES - Participant Support	-n/a-	HRD-0429020-AMD 003	4,272
	NSF - GSE/RES Removing Barriers	-n/a-	HRD-0429020-AMD 003	62,283
	NSF-IGERT/SFI-Sustain Futures Model	-n/a-	DGE-0333401-AMD 009	327,828
	NSF-Implement-Service-Systems-Eng	-n/a-	DUE-0618537	36,626
	NSF-Partcpt Implmt Curric Srv Sy	-n/a-	DUE-0618537	8,117
	NSF-Partic-Implemt Curr Serv System	-n/a-	DUE-0618537	3,219
	NSF-Participant Exp-GSE/RES Removng	-n/a-	HRD-0429020-AMD 003	32,747
	NSF-RET/GSE-RES Remove Barriers	-n/a-	HRD-0429020-AMD 003	3,125
	NSF-SFI IGERT-Chem Eng Participant	-n/a-	DGE-0333401-AMD 009	127,625
	NSF-SFI IGERT-Civil Eng Participant	-n/a-	DGE-0333401-AMD 009	128,874
	NSF-SFI IGERT-Mech Eng Participant	-n/a-	DGE-0333401-AMD 009	94,761

Research and Development Programs - continued	\$ 33,822 16,110 60,838 940,247
Direct Programs with CFDA Numbers - continued National Science Foundation - continued 47.076 Education and Human Resources - continued NSF-SFI-Tools/Strat Sustn Integn -n/a- DUE-0716599 NSF-Spnsr-Implement Curric ser Syst -n/a- DUE-0618537 NSF-Spnsr-Implement Curric ServSyst -n/a- DUE-0618537 A7.078 Polar Programs NSF-Participant Exp-Ind Arch Arctic -n/a- ARC-0804290 47.079 International Science and Engineering (OISE) NATIO-SFI-US-Egypt;Rice-Waste Reinf -n/a- OISE-0608608 NSF/RSI-Participant Rmt Sn Lat Amer -n/a- OISE-0530109 NSF/RSI-Remte Sen Pac Lat Amer -n/a- OISE-0530109	16,110 60,838
National Science Foundation - continued 47.076 Education and Human Resources - continued NSF-SFI-Tools/Strat Sustn Integn -n/a- NSF-Spnsr-Implement Curric ser Syst -n/a- NSF-Spnsr-Implement Curric ServSyst -n/a- DUE-0618537 NSF-Spnsr-Implement Curric ServSyst -n/a- DUE-0618537 47.078 Polar Programs NSF-Participant Exp-Ind Arch Arctic -n/a- ARC-0804290 47.079 International Science and Engineering (OISE) NATIO-SFI-US-Egypt;Rice-Waste Reinf NSF/RSI-Participant Rmt Sn Lat Amer -n/a- NSF/RSI-Participant Rmt Sn Lat Amer -n/a- NSF/RSI-Remte Sen Pac Lat Amer -n/a- OISE-0530109 NSF/RSI-Remte Sen Pac Lat Amer -n/a- OISE-0530109	16,110 60,838
47.076	16,110 60,838
NSF-SFI-Tools/Strat Sustn Integn	16,110 60,838
NSF-Spnsr-Implement Curric ser Syst	16,110 60,838
A7.078 Polar Programs NSF-Participant Exp-Ind Arch Arctic -n/a- ARC-0804290 47.079 International Science and Engineering (OISE) NATIO-SFI-US-Egypt;Rice-Waste Reinf -n/a- NSF/RSI-Participant Rmt Sn Lat Amer -n/a- NSF/RSI-Remte Sen Pac Lat Amer -n/a- OISE-0530109 OISE-0530109	60,838
47.078 Polar Programs NSF-Participant Exp-Ind Arch Arctic -n/a- ARC-0804290 47.079 International Science and Engineering (OISE) NATIO-SFI-US-Egypt;Rice-Waste Reinf -n/a- NSF/RSI-Participant Rmt Sn Lat Amer -n/a- NSF/RSI-Remte Sen Pac Lat Amer -n/a- OISE-0530109 OISE-0530109	
ARC-0804290 47.079 International Science and Engineering (OISE) NATIO-SFI-US-Egypt;Rice-Waste Reinf -n/a- OISE-0608608 NSF/RSI-Participant Rmt Sn Lat Amer -n/a- OISE-0530109 NSF/RSI-Remte Sen Pac Lat Amer -n/a- OISE-0530109	940,247
ARC-0804290 47.079 International Science and Engineering (OISE) NATIO-SFI-US-Egypt;Rice-Waste Reinf NSF/RSI-Participant Rmt Sn Lat Amer NSF/RSI-Remte Sen Pac Lat Amer -n/a- NSF/RSI-Remte Sen Pac Lat Amer -n/a- OISE-0530109	940,247
ARC-0804290 47.079 International Science and Engineering (OISE) NATIO-SFI-US-Egypt;Rice-Waste Reinf NSF/RSI-Participant Rmt Sn Lat Amer NSF/RSI-Remte Sen Pac Lat Amer -n/a- NSF/RSI-Remte Sen Pac Lat Amer -n/a- OISE-0530109	
47.079 International Science and Engineering (OISE) NATIO-SFI-US-Egypt;Rice-Waste Reinf -n/a- OISE-0608608 NSF/RSI-Participant Rmt Sn Lat Amer -n/a- OISE-0530109 NSF/RSI-Remte Sen Pac Lat Amer -n/a- OISE-0530109	2 112
NATIO-SFI-US-Egypt;Rice-Waste Reinf -n/a- OISE-0608608 NSF/RSI-Participant Rmt Sn Lat Amer -n/a- OISE-0530109 NSF/RSI-Remte Sen Pac Lat Amer -n/a- OISE-0530109	3,113
NATIO-SFI-US-Egypt;Rice-Waste Reinf -n/a- OISE-0608608 NSF/RSI-Participant Rmt Sn Lat Amer -n/a- OISE-0530109 NSF/RSI-Remte Sen Pac Lat Amer -n/a- OISE-0530109	
NSF/RSI-Participant Rmt Sn Lat Amer -n/a- OISE-0530109 NSF/RSI-Remte Sen Pac Lat Amer -n/a- OISE-0530109	12,927
NSF/RSI-Remte Sen Pac Lat Amer -n/a- OISE-0530109	23,525
	445,228
NSF-SFI-International Rsch Exp -n/a- OISE-0623558	9,272
NSF-SFI-Part ExpInt Rsch Exp -n/a- OISE-0623558	1,446
	492,398
Total National Science Foundation	5,110,284
US Environmental Protection Agency	
66.515 Greater Opportunities: Research Program	
USENV/MuSTI-Biocide Leaching -n/a- GR-832371010-0	102,443

CFDA				Federal
Number	Federal Program Name	Pass-through entity	Contract Number	Expenditures
Research and De	evelopment Programs - continued			
	ms with CFDA Numbers - continued			
_	ent of Energy			
81.049	Office of Science Financial Assistance Program	1		
01.015	DOE-YR 14Metal Atoms Ions	-n/a-	DE-FG02-92ER14282-AMD A014	\$ (5,415)
	DOE-YR 14-Metal AtomsIons	-n/a-	DE-FG02-92ER14282-AMD A014	(79)
	DOE-Yr 15-Metal Atoms Ions	-n/a-	DE-FG02-92ER14282-AMD A014	36,227
	USENE/BRC-YR 1-Gnmcs Invst	-n/a-	DE-FG02-05ER64112 A001	516
	USENE/BRC-YR 2-Gen Invest	-n/a-	DE-FG02-05ER64112 A001	112,164
	USENE/BRC-YR 2-Gnmcs Invst	-n/a-	DE-FG02-05ER64112 A001	54,030
	USENE/ESC-YR 5-Aspen FACE-FACTS II	-n/a-	DE-FG02-95ER62125-AMD A019	(10,063)
	USENE/ESC-YR 6 Aspend FACE-FACTS II		DE-FG02-95ER62125-AMD A019	(14,972)
	USENE/ESC-YR2-Carbon Sequestration	-n/a-	DE-FG02-04ER63792 AMEND A003	(10,498)
	USENE/ESC-YR4-Aspen FACE-FACTS II	-n/a-	DE-FG02-95ER62125-AMD A019	312
	USENE-BRC YR2 Genetic Mod Gibberell	-n/a-	DE-FG02-05ER64109 A001,2	100,382
	USENE-BRC-FFC-YR3-Genomics Investig	-n/a-	DE-FG02-05ER64112 A001	131,087
	USENE-BRC-FFC-Yr3-Poplar Root Dev	-n/a-	DE-FG02-06ER64151	41,646
	USENE-BRC-Poplar Rt Development YR1	-n/a-	DE-FG02-06ER64151	(5,668)
	USENE-BRC-YR2 Poplar Rt Dv	-n/a-	DE-FG02-06ER64151	126,333
	USENE-ESC-FFC-Yr1-Midwest Center	-n/a-	DE-FC02-06ER64158 AMEND #A005	2,082
	USENE-ESC-YR 3 Carbon Sequ	-n/a-	DE-FG02-04ER63792 AMEND A003	84,873
	USENE-ESC-Yr 4 Carbon Sequ	-n/a-	DE-FG02-04ER63792 AMEND A003	55,621
	USENE-ESC-Yr 7-Aspen Face II	-n/a-	DE-FG02-95ER62125-AMD A019	1,242,975
	USENE-ESC-YR1-Carbon Sequ	-n/a-	DE-FG02-04ER63792 AMEND A003	(5,978)
	USENE-ESC-Yr1-Midwest Cntr Climate	-n/a-	DE-FC02-06ER64158	61,571
	USENE-MuSTI/Hetero-Junctions	-n/a-	DE-FG02-06ER46294 A001	64,669
	USENE-MuSTI-Yr 2-Hetero-Junctions	-n/a-	DE-FG02-06ER46294 A001	29,839

CFDA Number	Federal Program Name	Pass-through entity	Contract Number	Federal Expenditures
Research and De	evelopment Programs - continued			
	ms with CFDA Numbers - continued			
_	ent of Energy - continued			
81.049	Office of Science Financial Assistance Program	ı - continued		
	USENE-SFI-YR2-Ctr-Nanostr	-n/a-	DE-FG02-04ER63821 A003	\$ 29,190
	USENE-SFI-YR2-Ctr-Nanostru	-n/a-	DE-FG02-04ER63821 A003	65,690
	USENE-Yr 3-BRC-Genetic Mod Gibberel	-n/a-	DE-FG02-05ER64109 A001,2	43,657
	USENE-YR2-Ctr-Nanostructur	-n/a-	DE-FG02-04ER63821 A003	7,627
				2,237,818
81.086	Conservation Research and Development			
	USENE-PBC-Genetic Manipulation	-n/a-	DE-FC36-03ID14440-AMD A001-8	211,200
81.087	Renewable Energy Research and Development			
	USENE-IMP-GRA CS-Perhydride-Hydrogn	-n/a-	DE-FG36-05GO15003 A003	43,876
	USENE-IMP-Perhydride Hydro	-n/a-	DE-FG36-05GO15003 A003	199,372
				243,248
81.089	Fossil Energy Research and Development			
	USENE-Recover Hydrocarbons	-n/a-	DE-FC26-06NT42931	370,637
	USENE-TSAF-YR 1 Crosswell Seismic	-n/a-	DE-FC26-04NT15508-AMD A005	(190)
	USENE-TSAF-Yr 3 Crosswell Sesmis	-n/a-	DE-FC26-04NT15508-AMD A005	53,360
	USENE-TSAF-YR2 GRA/Croswell Seismic	-n/a-	DE-FC26-04NT15508-AMD A005	18,409
				442,216
Total US De	partment of Energy			3,134,482

CFDA	Endavel Duoguem Neme	Dogs through outity	Contract Number	Federal
Number	Federal Program Name	Pass-through entity	Contract Number	Expenditures
Research and De	evelopment Programs - continued			
	ms with CFDA Numbers - continued			
US Departm	ent of Education			
84.116	Fund for the Improvement of Postsecondary E	ducation		
	USEDU-CWS/YR 4-ExCit: Expand Cities	-n/a-	P116N030005-04-ACTION NO. 04	\$ 42,389
	USEDU-CWS-YEAR1-ExCit:Expand Cities	-n/a-	P116N030005-04-ACTION NO. 04	3,514
Total US De	partment of Education			45,903
US Departm	nent of Health and Human Services			
93.172	Human Genome Research			
	NIH-BRC-YR 3-GRA-Stat-Mthds-Admix	-n/a-	1 R03 HG003613-01-03	22,860
	NIH-BRC-YR 3-Stat Methods Admixtre	-n/a-	1 R03 HG003613-01-03	40,647
	NIH-BRC-YR1-GRA-Stat Methods Admixt	-n/a-	1 R03 HG003613-01-03	211
	NIH-BRC-YR1-Stat Methods Admixture	-n/a-	1 R03 HG003613-01-03	3,003
	NIH-BRC-YR2-GRA-Stat Methods Admx	-n/a-	1 R03 HG003613-01-03	5,332
	NIH-BRC-YR2-Stat Methods Admixt	-n/a-	1 R03 HG003613-01-03	24,434
				96,487
93.279	Drug Abuse and Addiction Research Programs	3		
	NIH-YR 1-GRAShort Lived Radicals	-n/a-	1 R01 DA017201-01A1-03	31,176
	NIH-YR 1-Short Lived Radicals	-n/a-	1 R01 DA017201-01A1-03	14,084
	NIH-YR 2-GRA-Short Lived Radicals	-n/a-	1 R01 DA017201-01A1-03	8,727
	NIH-YR 2-Short Lived Radicals	-n/a-	1 R01 DA017201-01A1-03	8,206
				62,193
93.286	Discovery and Applied Research for Technolog	rical Innovations to Improve Human Health		
75.200	NIH/BRC In-Situ Biliary Manometer	-n/a-	1 R15 EB008883-01A1	29,774

CFDA Number	Federal Program Name	Pass-through entity	Contract Number	Federal Expenditures
Dh 1 D-				
	velopment Programs - continued ns with CFDA Numbers - continued			
_	ent of Health and Human Services			
93.839	Blood Diseases and Resources Research			
73.037	NIH-BRC-Fish Oil & Neurovasclr Ctrl	-n/a-	1 R15 HL088689-01A1	\$ 32,10
93,846	Arthritis, Musculoskeletal and Skin Diseases l	Research		
20.010	NIH/BRC - Meniscal Horn Attachment	-n/a-	1 R15 AR051906-01	26,54
	NIH/BRC-GRA-Meniscal Horn Attachmnt	-n/a-	1 R15 AR051906-01	36,67
	NIH-BRC/ Black Bear Bone YR 3	-n/a-	1 R15 AR050420-03	(1
	NIH-BRC/Augmentat Lymphangiogenesis	-n/a-	1 R21 AR053094-01A1-02	12,99
	NIH-BRC/Black Bear Bones YR 4	-n/a-	1 R15 AR050420-03	45,54
	NIH-BRC/Black Bear Bones YR 5	-n/a-	1 R15 AR050420-03	20,85
	NIH-BRC-YR 2/Augmentat Lymphangio	-n/a-	1 R21 AR053094-01A1-02	126,18
				268,77
93.859	Biomedical Research and Research Training			
	NIH/IME-YEAR2-Structural Transition	-n/a-	R R01 GM062838-04	16
	NIH-BRC Molecular Recognition PB1	-n/a-	1R15GM076055-01A2	62,72
	NIH-BRC/Map Complex disease Genes	-n/a-	1-R01 GM069940-01A2,02 & 03	2,18
	NIH-BRC/YR 1 Mapping Disease Genes	-n/a-	1-R01 GM069940-01A2,02 & 03	43
	NIH-BRC/YR 2 GRA Mapping Disease Ge	-n/a-	1-R01 GM069940-01A2,02 & 03	6,96
	NIH-BRC/YR 2 Mapping Disease Genes	-n/a-	1-R01 GM069940-01A2,02 & 03	72,31
	NIH-BRC/Yr 3 GRA Mapping Disease	-n/a-	1-R01 GM069940-01A2,02 & 03	22,65
	NIH-BRC/Yr 3 Mapping Disease Genes	-n/a-	1-R01 GM069940-01A2,02 & 03	84,42
	NIH-BRC-GRA-Molec Recognition PB1	-n/a-	1R15GM076055-01A2	2,97
	NIH-IME/YR 4 Structural Transition	-n/a-	R R01 GM062838-04	16,88
	NIH-IME/YR4 GRA Structural Transit	-n/a-	R R01 GM062838-04	5,16
				276,88

CFDA Number	Federal Program Name	Pass-through entity	Contract Number	Federal Expenditures
Research and De	evelopment Programs - continued			
	ns with CFDA Numbers - continued			
US Departm	ent of Health and Human Services			
93.866	Aging Research			
	NIH/BRC-YEAR 2-Map Complex Disease\	-n/a-	1 R03 AG024491-01	\$ 14,962
Total US De	partment of Health and Human Services			781,177
Total Research	and Development Programs - Direct Programs	with CFDA Numbers		12,293,842
Pass-through I US Departm	evelopment Programs - continued Programs with CFDA Numbers tent of Agriculture			
10.206	Grants for Agricultural Research_Competitiv			
	UNIVE-BRC-Physcomitrella	University of Rhode Island	AGREE 090607/0001516	24,024
10.219	Biotechnology Risk Assessment Research			
	ORGEO-BRC-Fld Evl Semi-Dwarf	Oregon State University	SUBGRANT #C0306A-A	14,707
Total US De	partment of Agriculture			38,731
US Departm	ent of Commerce			
11.405	Anadromous Fish Conservation Act Program			
	MIDNR-CWS-Ontonagon River Sturgeon	MI Department of Natural Resources	PO #751P7200473	7,082
	MIDNR-YR2-CWS-Ontonagon River	MI Department of Natural Resources	751B7200002	28,196
				35,278

CFDA				I	Federal
Number	Federal Program Name	Pass-through entity	Contract Number	Exp	enditures
	velopment Programs - continued				
_	Programs with CFDA Numbers - continued				
-	ent of Commerce - continued				
11.417	Sea Grant Support				
	MICHI-RSI-GRAD Sprt-YEAR 1-Ecos Mos	University of Michigan	PO 3000854201	\$	24,017
	MICHI-RSI-GRA-YEAR 2 Ecosys Mos/Lk/	University of Michigan	PO 3000854201		18,237
	MICHI-RSI-SPNS-YEAR 2-Eco Systm Mo	University of Michigan	PO 3000854201		14,758
					57,012
Total US Dep	partment of Commerce				92,290
US Departme	ent of Defense				
12.800	Air Force Defense Research Sciences Program				
	UNIVE-CISSIC-Adv Img & Non Img Scie	University of Arizona	Y453352-REVISED		30,732
US Departm	ent of Interior				
15.228	National Fire Plan - Wildlife Urban Interface (Community Fire Assistance			
	OHIOS-Restor-Based Fuel Reduction R	Ohio State University	COOP # 301815J209		3,510
15.608	Fish and Wildlife Management Assistance				
	CORNE-ESC-FFC-Golden Wing Init	Cornell University	52343-8614/CORNELL		10,522

CFDA Number	Federal Program Name	Pass-through entity	Contract Number	Federal Expenditures
Research and De	evelopment Programs - continued			
	Programs with CFDA Numbers - continued			
	ent of Interior - continued			
15.611	Wildlife Restoration			
	MINAT-ESC-P3 Gray Wolf Population	Michigan Department of Natural Resources	PO 751P7200408	\$ 1,709
	MINAT-P3 Sharp Tailed Grouse	Michigan Department of Natural Resources	PO #751P7200175	(860)
	MINAT-P4-White Tailed Deer Hemlock	Michigan Department of Natural Resources	PO 751P7200589	39,421
	MINAT-White-Tailed Deer Hemlock	Michigan Department of Natural Resources	751P6200348	2,713
Total US De	partment of Interior			57,015
National Aer 43.001	ronautics and Space Administration Aerospace Education Services Program UNIVE-CISSIC-MI Sp Wrless Snsr	University of Michigan	CHECK # 1445507	(168)
	UNIVE-Valid OMI L2 Sulfur Dioxide	University of Maryland Baltimore County	0000003399	2,424
				2,256
National Sci	ence Foundation			
47.041	Engineering Grants			
	ENDRE-ModelingConvect Heat	Endres Machining Innovations LLC	SUBCONTRACT	10,573
	MTU-WIMS-GRA Cost Share	University of Michigan	SUBCONTRACT # F004025	3,383
	UNIVE-ADV ACCT-Sensors Tsk Spnsr	University of Michigan	SUBCONTRACT # F004025	67,236
	UNIVE-ADV ACCT-WIMS Edu Tsk Prt Cst	University of Michigan	SUBCONTRACT # F004025	2,314
	UNIVE-ADV ACCT-WIMS GRA CS	University of Michigan	SUBCONTRACT # F004025	9,978
	UNIVE-ADV ACCT-WIMS-Sponsor Admin	University of Michigan	SUBCONTRACT # F004025	79,573
	UNIVE-AW-UT Partnership for Innov	Universidad del Turabo	PRIME # IIP-0650285	7,990
	UNIVE-Nvl Exper/Mdl Nano	University of Illinois at Urbana-Champaign	2005-05374-01-A5790	11,735
	UNIVE-Sensors Tsk Spnsr	University of Michigan	SUBCONTRACT # F004025	18,135
	UNIVE-UT Partnership for Innov	Universidad del Turabo	PRIME # IIP-0650285	18,564
	UNIVE-WIMS Educ Tsk Sponsr	University of Michigan	SUBCONTRACT # F004025	5,197

CFDA Number	Federal Program Name	Pass-through entity	Contract Number	Federal Expenditures
Research and De	velopment Programs - continued			
Pass-through I	Programs with CFDA Numbers - continued			
	ence Foundation - continued			
47.041	Engineering Grants - continued			
	UNIVE-WIMS Mcr Tk Spsr Acc	University of Michigan	SUBCONTRACT # F004025	\$ 52,150
	UNIVE-WIMS Sp Ent Eng Rsch	University of Michigan	SUBCONTRACT # F004025	6,093
	UNIVE-WIMS Sponsor Admin	University of Michigan	SUBCONTRACT # F004025	20,452
	UNIVE-WIMS-Mcr Tk Spsr Acc	University of Michigan	SUBCONTRACT # F004025	80,123
				393,496
47.050	Geosciences			
	UNIVE/RSI-GRA-Vir Vol S02 (VISOR)	University of Maryland Baltimore County	SUBAWARD CG0516 AMEND 01	25,697
	UNIVE/RSI-Vi Volcan S02 (VISOR) Prj	University of Maryland Baltimore County	SUBAWARD CG0516 AMEND 01	6,998
				32,695
47.074	Biological Sciences			
	UNIVE-ESC-Nitrogen Deposit	University of Nevada-Reno	UNR-07-91/PO 17GC0000097	97,397
47.076	Education and Human Resources			
	UNIVE-Great Lks Wood Manuf Partners	University of Minnesota-Duluth	1638-187-6487-7901	(1,196)
	WESTE-Durab & Gener of Lrn Outcomes	WestEd	WESTED SUBCONTRACT	1,933
				737
Total Nation	al Science Foundation			524,325
US Environr	nental Protection Agency			
66.454	Water Quality Management Planning			
	MIDEQ-CWS-Huron Creek Watershed	Michigan Department of Environmental Quality	2006-0162	21,586

CFDA Number	Federal Program Name	Pass-through entity	Contract Number	Federal Expenditures
Pass-through I	evelopment Programs - continued Programs with CFDA Numbers - continued tent of Energy			
81.049	Office of Science Financial Assistance Program UNIVE-ESC-Ecosysem Rsp Elev CO2/O3 UNIVE-ESC-FFC-Elvtd CO2&O3	University of Michigan University of Nevada-Reno	V51573/F000354 AMEND 1-11 \$ UNR-08-15 AMEND-1	921 95,055 95,976
81.087 Total US De	Renewable Energy Research and Developmen CONSO-BRC-Mod Cellulose Crystal CONSO-BRC-P2 Gibber Metabolism CONSO-BRC-Spnsr-Protein Eng Phenyl CONSO-BRC-Spnsr-ProteinEng ROCHE-MuSTI-GRA-Fuel Cell ROCHE-MuSTIVisual Fuel	Consortium Plant Biotechnology Research Inc Consortium Plant Biotechnology Research Inc Consortium Plant Biotechnology Research Inc Consortium Plant Biotechnology Research Inc Rochester Institute of Technology Rochester Institute of Technology	CPBR AGRMT # GO12026-249 CPBR GO12026 CPBR AGMT #GO12026-262 AMDMT / CPBR AGMT #GO12026-262 AMDMT / 30672-01	32,300 229 33,668 22,092 84,589 238,800 411,678
US Departm 93.172	nent of Health and Human Services Human Genome Research CASEW-LD Mapping	Case Western Reserve University	SUBAWARD #RES502774	34,756
93.233	National Center on Sleep Disorders Research UNIVE-Sleep Disord Breathg	University of Michigan	SUB #F011919	101,518

CFDA				Federal
Number	Federal Program Name	Pass-through entity	Contract Number	Expenditures
Research and De	evelopment Programs - continued			
Pass-through l	Programs with CFDA Numbers - continued			
US Departm	nent of Health and Human Services - continued			
93.865	Child Health and Human Development Extran	nural Research		
	MAYOM-BRC-YR 3 Microsensr Intramusc	Mayo Clinic Rochester	5R01HD031476-10 MTU	\$ 30,531
Total US De	partment of Health and Human Services		_	166,805
Total Research	h and Development Programs - Pass-through Prog	grams with CFDA Numbers	_	1,441,394
Research and De	evelopment Programs - continued			
Direct Program	ms with no CFDA Number			
US Departm	nent of Agriculture			
10.unk	No CFDA Number			
	USAGR - NDE Methods	-n/a-	PNW03-DG-11261975-137-MOD NO.4	10,390
	USAGR/ESC-Incr Atmospheric CO2 & O3	-n/a-	03-JV-11231300-053-MOD 1	6,759
	USAGR-07-C/S-Archaelo Coll-Hiawath	-n/a-	05-CS-11091000-021 MOD # 03	518
	USAGR-Archaeolo Coll-Hiawatha Nat'l	-n/a-	05-CS-11091000-021 MOD # 03	201
	USAGR-Carbon/Nitrogen Cycle Rsch.	-n/a-	04-CR-11231300-027-MOD NO. 1	46,681
	USAGR-Communities Risk to Wildfire	-n/a-	SRS 04-JV-11330136-161	19
	USAGR-CWS-SFI-Spsr-Fed Biomass Rmvl	-n/a-	07-JV-11242300-154	22,855
	USAGR-Ecologist Lecture Series	-n/a-	03-CS-11231300-040	1,406
	USAGR-ESC GACS Analysis of Red Pine	-n/a-	RJVA #05-JV-11231300-043MOD1&2	16,522
	USAGR-ESC-Dev Forst Pln Soil Qlty	-n/a-	06-CS-11221662-158	41,129
	USAGR-ESC-FFC-Analysis of Weevils	-n/a-	CO #080334	1,000
	USAGR-ESC-FFC-Spnsr-Soil Monitoring	-n/a-	07-CS-11221662-307	16,616
	USAGR-ESC-GRAD Dev Forst Pln Soil Q	-n/a-	06-CS-11221662-158	3,326
	USAGR-ESC-GRA-Jck Pne Seedlg Grwth	-n/a-	SRS 05-CA-11330122-203 AMEND 1	14,643
	USAGR-ESC-Jck Pine Seedlg Watersmt	-n/a-	SRS 05-CA-11330122-203 AMEND 1	6,774
	USAGR-FFC-Ecolog Unit Map Pacif SW	-n/a-	SUB AGREMNT 07-JV-11052007-227	28,035
	USAGR-GRA-Carbon/Nitrogen Cycle Rsc	-n/a-	04-CR-11231300-027-MOD NO. 1	8,660

CFDA Number	Federal Program Name	Pass-through entity	Contract Number	Federal Expenditures
Pasaarah and D	evelopment Programs - continued			
	ms with no CFDA Number - continued			
	nent of Agriculture - continued			
10.unk	No CFDA Number - continued			
10.unx	USAGR-GRA-Incr Atmopheric CO2/03	-n/a-	03-JV-11231300-053-MOD 1	\$ 11,359
	USAGR-Historical/Modern Vegetation	-n/a-	04-PA-11090100-020 MOD 1 & 2	143,644
	USAGR-Influence Climate-Wood Decomp	-n/a-	03-JV-11231300-041-MOD NO. 1	(15)
	USAGR-Intractice Chinate-Wood Becomp	-n/a-	07-CR-11242300-056	8,475
	USAGR-MTCWS-Evl Riparian Tmbr Hrvst	-n/a-	07-CR-11242300-048 MOD 1	6,406
	USAGR-Ottawa Natl Forest Arch	-n/a-	06-CS-11090700-027	517
	USAGR-Ottawa Natl Forest Archaeolog	-n/a-	06-CS-11090700-027	184
	USDA/ECS-Analysis of Red Pine	-n/a-	RJVA #05-JV-11231300-043MOD1&2	14.625
	USDA-ESC-Effect of Earth Worms	-n/a-	06-HV-11231300-101	1,364
	USDA-FFC:2nd Decade:Oper Aspen FACE	-n/a-	06-JV-11231300-028-MOD 1	11,284
	USFOR-ESC-2007-Sirex Noctilio	-n/a-	07-CA-1142004-120 MOD A1	184,674
	USFOR-Spsr-ESC-Devel Rstor Fens	-n/a-	07-CS-11021306-026	9,799
Total US De	epartment of Agriculture		<u>-</u>	617,850
US Departn	nent of Defense			
12.unk	No CFDA Number			
	OFFIC - Nano Center-DARPA	-n/a-	DAAD17-03-C-0115-MOD P00003	(2,864)
	OFFIC/IME/NSR-Nano Center-DARPA	-n/a-	DAAD17-03-C-0115-MOD P00003	674,432
	OFFIC-CISSIC 6.1Atmospheric Sensing	-n/a-	W911NF-06-2-0029	17,288
	OFFIC-CISSIC/CERDEC Proj Task#0001	-n/a-	W15P7T-06-D-P228 DO#0001	107,287
	OFFIC-CISSIC/RFID Tags & Env Sensor	-n/a-	W15P7T-06-D-P228 DO 0003	138,936
	OFFIC-CISSIC-Yr1&2-6.1Atmosphrc Sns	-n/a-	W911NF-06-2-0029	911,677
	OFFIC-HURRT	-n/a-	W911NF-06-2-0029 MOD NO P00005	71,096
	OFFIC-MRAP Vehicle Protection	-n/a-	P00003 P00004 W911NF-06-2-0029	151,267
	OFFIC-NSR/MuSTI/Infrastructure Dvlp	-n/a-	DAAD17-03-C-0115-MOD P00003	604,008

CFDA				Federal
Number	Federal Program Name	Pass-through entity	Contract Number	Expenditures
Research and De	evelopment Programs - continued			
	ms with no CFDA Number - continued			
_	ent of Defense - continued			
12.unk	No CFDA Number - continued			
	OFFIC-NSR/MUSTI/Nano-Center-DARPA	-n/a-	DAAD17-03-C-0115-MOD P00003	\$ 65,912
	OFFIC-Powerline Commun DO#0002	-n/a-	W15P7T-06-D-P228 DO 0002	280,975
	OFFIC-Radar Frequency Sensing	-n/a-	FA8750-05-C-0237 P00007	1,124,954
	OFFIC-SAR 3D Data Analysis Synthesi	-n/a-	DAAE07-02-C-L061 P00008	192,367
	OFFIC-Unmanned Ground Vehicle	-n/a-	W911NF-05-2-0048	165,163
	OFFIC-WARP 11634.001	-n/a-	FA8750-05-C-0237 P00007	67,586
	TACOM - CRPGS Project	-n/a-	W56HZV-07-C-0357	518,869
	TACOM- Assured Mobility WD #5	-n/a-	W56HZV-04-C-0643 WD#05	(23)
	TACOM-Assured Mobility #STO -WD004	-n/a-	W56HZV-04-C-0643-MOD P00002	2,438
	TACOM-Assured Mobility ATO WD#AM-07	-n/a-	W56HZV-04-C-0643 P08 WD#AM-007	16,685
	TACOM-Assured Mobility LMS WD #AM16	-n/a-	W56HZV-04-C-0643 MOD P00018	6,461
	TACOM-Assured Mobility SPARK W#AM14	-n/a-	W56HZV-04-C-0643 P00013 WD14	520,410
	TACOM-Assured Mobility VPI WD# AM12	-n/a-	W56HZV-04-C-0643 P00010 WD12	144,245
	TACOM-Assured Mobility VPI WD#-AM11	-n/a-	W56HZV-04-C-0643 P00010 WD11	59,559
	TACOM-Assured Mobility VPT WD#AM-10	-n/a-	W56HZV-04-C-0643 P08 WD#AM-010	13,991
	TACOM-Assured Mobility WD #006	-n/a-	W56HZV-04-C-0643 P00006 WD#6	60,723
	TACOM-Assured Mobility WD# 5-1	-n/a-	W56HZV-04-C-0643 WD#005-1	208
	TACOM-Assured Mobility WD# AM-008	-n/a-	W56HZV-04-C-0643 P08 WD#AM-008	3,150
	TACOM-Assured Mobility WD#006-1 AM	-n/a-	W56HZV-04-C-0643 WD#006-1 P007	41,425
	TACOM-Assured Mobility WD#15 Wire N	-n/a-	W56HZV-04-C-0643 P14WD#15	515,250
	TACOM-Assured Mobility WD#AM-009	-n/a-	W56HZV-04-C-0643 P08 WD#AM-009	111,056
	TACOM-Assured WD#15 Wire Neutrl P16	-n/a-	W56HZV-04-C-0643 P16WD#15	166,205
	TACOM-Assurred Mobility SIM WD#AM13	-n/a-	W56HZV-04-C-0643 P12 WD#13	160,866
	TACOM-Surge WD#31 Elastomer (EIP)	-n/a-	DAAE07-00-C-L052 P25 WD#31	40,330
	TACOM-SURGE WD25 Lightweight Truck	-n/a-	DAAE07-00-C-L052 P00020 WD#25	412,211
	USARM-CISSIC/Indirect	-n/a-	W56HZV-07-P-L863	40,358
	USARM-Collision Avoidance System	-n/a-	W56HZV-07-P-0817	3,228

CFDA Number	Federal Program Name	Pass-through entity	Contract Number	Federal Expenditures
Descend and De	evelopment Programs - continued			
	ns with no CFDA Number - continued			
	nent of Defense - continued			
12.unk	No CFDA Number - continued			
12.unx	USARM-Coop Research For a CRREL Win	-n/a-	W913E5-06-C-0007	\$ 12,639
	USARM-PERC-Powerline Communications	-n/a-	W15P7T-06-D-P228 DO 0002	37,622
	USARM-RF-Counter Sniper	-n/a-	HR0011-06-C-0130	527,891
	USARM-SURGE WD #32 Hybrid Phase 3	-n/a-	DAAE07-00-L052 MOD P00027 WD32	42,013
	USARM-Surge WD#30 Durability Stands	-n/a-	DAAE07-00-C-L052 P24 WD#30	344,079
	USARM-SURGE-EIP-IPT Support-WD-27	-n/a-	DAAE07-00-C-L052,MOD22,WD27	25,708
	USARM-SURGE-WD #26 IR Camera	-n/a-	DAAE07-00-C-L052 MOD21,WD26	314
	USARM-SURGE-WD#28-Cont-XT161	-n/a-	DAAE07-00-C-L052,MOD22,WD28	15,972
	USARM-Surge-WD#29 Hybrid Phase II	-n/a-	DAAE07-00-C-L052 P24 WD#29	166,704
	USDEF-CSERI/NSR-YR 4 Parallel C	-n/a-	MDA904-03-C-0483-MOD NO. P0004	33,126
Total US De	partment of Defense		_	8,613,797
US Departm	ent of Interior			
15.unk	No CFDA Number			
	Bering Glacier Research Coordinatio	-n/a-	LAP073039	25,000
	USFIS-Study Coaster Brook Trout	-n/a-	314108M137	2,444
	USGEO-Remote Sensing Color Sound	-n/a-	ORDER #07WRSA0604	9,000
	USPAR/ESC - Wolf-Moose Monitoring	-n/a-	H6000C02000-J631005N004/0001	40,790
	USPAR-ESC-FFC-Analyze Wtr Isotope	-n/a-	TASK AGMNT J6480070586/0001	13,125
	USPAR-ESC-Impacts of Alum Toxicity	-n/a-	J5460070154	26,687
	USPAR-Exotic Plant Species Gr Lakes	-n/a-	HC6000C02000 - J2105040050	16,808
	USPAR-Great Lakes Inventory Netwrk	-n/a-	H6310010001-AGRMT 005-MOD 001	10,147
	USPAR-IRI/Electronic Research Libra	-n/a-	H6000C02000 TSK#J2105060029	13,958
	USPAR-IRI-Isle Royale Institute	-n/a-	H6000C02000-J631004A021/0004	29,205
	USPAR-Keys Ranch Historic District	-n/a-	H600C0200 TASK# J8336060074	1,412

CFDA				Federal
Number	Federal Program Name	Pass-through entity	Contract Number	Expenditures
Research and Do	evelopment Programs - continued			
Direct Program	ms with no CFDA Number - continued			
US Departn	nent of Interior - continued			
15.unk	No CFDA Number - continued			
	USPAR-Renew Potential Pitcher Plant	-n/a-	HC6000C02000 - J630004GL01	\$ 1,888
	USPAR-RSI-Zooplankter Park	-n/a-	H6000082000 TASK J6067080012	4,282
	USPAR-SOP Monitoring Moose Alaska	-n/a-	H6000C02000 TSK# J2101-06-0020	1,868
	YELLO-2007 Clean Snowmobile Challng	-n/a-	R1571070507	2,500
Total US De	epartment of Interior			199,114
US Departn	nent of Transportation			
20.unk	No CFDA Number			
	USTRA/MTTI-Aggregate Character-Tsk3	-n/a-	DTFH61-02-C00074-TSK ORDER #3	23,241
	USTRA-MTTI-Taking Action-Traffic Sf	-n/a-	DTFH61-07-P-00241	12,698
	USTRA-MTTI-Tribal Technicl	-n/a-	DTFH61-04-H-00005-AMD 12	101,666
Total US De	epartment of Transportation			137,605
National Ae	ronautics and Space Administration			
43.unk	No CFDA Number			
	NASA/RSI - Ice Nucleation	-n/a-	NNG04GR41G SUPPL 1	28,391
	NASA/RSI-GRA-Volcano SO2-Sat Data	-n/a-	NAG5-13783	8,037
	NASA/RSI-Volcano SO2-Satellite Data	-n/a-	NAG5-13783	7,458
	NASA-GRA-Ice Nucleantion of Org Cmp	-n/a-	NNG04GR41G SUPPL 1	25,006
	USNAS - Thermo-Fluid in Meniscus	-n/a-	NNC05GA10G SUPPL 1	2,540
	USNAS/RSI-Picture 2003	-n/a-	NNG04GG99G-SUPPLEMENT 1-4	28,767
	USNAS/RSI-Volcano Emission MODIS AS	-n/a-	NNG04GJ67G SUPPL 2	(215)
	USNAS-Carbon Emissions fr Wildfire	-n/a-	NNX08AK69G	22,504
	USNAS-Dynamics in Heat Transfer	-n/a-	NNC05GA09G SUPPL #4	(510)
	USNAS-Equivalent-Continuum	-n/a-	NNL04AA85G SUPPL 2	29,058

CFDA				Federal
Number	Federal Program Name	Pass-through entity	Contract Number	Expenditures
Research and De	velopment Programs - continued			
Direct Program	ns with no CFDA Number - continued			
National Ae	ronautics and Space Administration - continued			
43.unk	No CFDA Number - continued			
	USNAS-Est Emission Volcanogenic SO2	-n/a-	NNX08AF80G	\$ 36,263
	USNAS-GRA-Picture of Day 2003	-n/a-	NNG04GG99G-SUPPLEMENT 1-4	8,358
	USNAS-MTRI-Assessment of Biomass	-n/a-	NNG04GR47G	58,975
	USNAS-NSR-APS-GRA-Micro Gravity	-n/a-	NNC04GB52G-SUPPL NO. 1-4	78,407
	USNAS-NSR-APS-Micr Grav/Terrest Env	-n/a-	NNC04GB52G-SUPPL NO. 1-4	3,351
	USNAS-NSR-APS-Micrograv Terrest Env	-n/a-	NNC04GB52G-SUPPL NO. 1-4	72,317
	USNAS-RSI/Quantify Volcanic Emiss	-n/a-	NNG04GJ67G SUPPL 2	27,076
	USNAS-RSI-Biomass Burn	-n/a-	NNX07AR26G	246,334
	USNAS-MuSTI-Spnr Multi Grpht Epxy	-n/a-	NNX07AU58A	16,910
Total Nation	al Aeronautics and Space Administration			699,027
National Sci	ence Foundation			
47.unk	No CFDA Number			
	NATIO-NSF-CAREER-Model-Nxt-Gen-Sys	-n/a-	CCF-0643664	21,595
	NATIO-NSF-GRA-CAREER-Mdl-Nxt-Gen	-n/a-	CCF-0643664	50,798
	NSF-Morph/Stability/Paleointensity	-n/a-	EAR-0711453	17,141
	NSF-MTTI-DRU Collaborative Research	-n/a-	SES-0624118	53,566
	NSF-RSI-Air Snowpack Exch	-n/a-	ARC-0713992	120,836
	NSF-SFI-Graphics Hdwr Free-Form	-n/a-	CMMI-729280	74,905
Total Nation	al Science Foundation			338,841
US Departm	ent of Energy			
81.unk	No CFDA Number			
	USENE-ESC-Subs MidW NICCR	-n/a-	DE-FC02-06ER64158 A005	1,521,383
	USENE-ESC-Yr 1&2- Midwest Center	-n/a-	DE-FC02-06ER64158 A005	95,501

CFDA Number	Federal Program Name	Pass-through entity	Contract Number	Federal Expenditures
Research and De	velopment Programs - continued			
Direct Program	ns with no CFDA Number - continued			
US Departm	ent of Energy - continued			
81.unk	No CFDA Number - continued			
	USENE-RSI-Yr 8 Stdy High	-n/a-	DE-FG02-99ER41107-AMD A008	\$ 131
	USENE-RSI-Yr 8 Study High	-n/a-	DE-FG02-99ER41107-AMD A008	(3,484)
	USENE-RSI-Yr 9-GRA-High Energy	-n/a-	DE-FG02-99ER41107-AMD A008	84
	USENE-RSI-Yr 9-High Energy	-n/a-	DE-FG02-99ER41107-AMD A008	169,516
	USENE-SFI-ADV ACCT-Center Rsch Nano	-n/a-	ADVANCE ACCOUNT	53,220
	USENE-SFI-ADV ACCT-Ctr Rsch Nano Mt	-n/a-	ADVANCE ACCOUNT	39,542
	USENE-SFI-ADV ACCT-GRA-Ct Rsch Nand	o -n/a-	ADVANCE ACCOUNT	611
	USENE-Yr 10-Hgh Energy Astrophysics	-n/a-	DE-FG02-99ER41107-AMD A008	73,657
Total US Dep	partment of Energy			1,950,161
US Departm	ent of Health and Human Services			
93.unk	No CFDA Number			
<i>y</i>	NIH/BRC-Mech Stretch & Vein Graft	-n/a-	R15 HL081102-01	82,664
Total Research	and Development Programs - Direct Programs w	ith no CFDA Numbers		12,639,059
Pass-through I	velopment Programs - continued Programs with no CFDA Numbers			
-	ent of Agriculture			
10.unk	No CFDA Number UTAHS-Anlys of UV-B resp in Populus	Utah State University Sponsored Programs	P0044889 MTU CO#060816	5,314
UC Department	of Commono			
US Department of 11.unk	No CFDA Number			
11.UIIK	RIVER-RSI-Observe Pico Mtn Station	Riverside Technology Inc	SUBCONTRACT A715MTU 4-0020	20,000

CFDA Number	Federal Program Name	Pass-through entity	Contract Number	Federal Expenditures
Research and De	velopment Programs - continued			
	Programs with no CFDA Numbers - continued			
	ent of Defense			
12.unk	No CFDA Number			
	ACADE - REAP 2007	Academy of Applied Science	6/28 LETTER & CHECK #4711	\$ 5,1
	ALTAR-Behavioral Health Initiative	Altarum	DELIVERY ORDER NO. 009	41,7
	ALTAR-HSD 2007-002 per SC-07-007	Altarum	SC-07-007, DO3 2007-002	4
	ALTAR-HSD 2007-004 per SC-07-007	Altarum	SC-07-007, DO4 2007-004 MOD 1	83,0
	ALTAR-HSD 2007-005 STOP WORK ORDE	El Altarum	SC-07-007, DO5 2007-005	4,1
	ALTAR-Sprt MCFAS Data Alg Pj 08-001	Altarum	PROJ #2008-001 DO #007	51,9
	ALTAR-Suprt Data Extract Prj 08-002	Altarum	PROJECT 2008-002 DO #008	1
	BAESY-XT-161 Track Dev	BAE Systems	BAE AGRMT 08-GSD-014	10,9
	BATTE-Deicing Chemicals Lab Testing	Battelle	PO #216732 CO #080226	17,7
	BATTE-Uncertainty Data Acquisition	Battelle Chapel Hill Operations	TCN 05122	4,1
	BBNTE-Seismological Supt SAVi Prgrm	BBN Technologies	BBN TECH AGREEMENT	56,8
	Confidential Agreement	BMT Designers & Planners Inc	PO # 06-0019	2,3
	Confidential Agreement	Science Applications International Corporation	SUB #4400141917 MOD 3	78,9
	DUKEU-CISSIC Image Prcsg/COMPI Prgm	Duke University	06-SC-DARPA-1048	46,0
	GENER-LACOSTE	General Dynamics Information Technology, Inc.	SUB 3USAF-A581-46-SC-0001	51,2
	GENER-MARCOR EFV Tracked Veh Mobil	General Dynamics	GDLS PO #IRD000245	27,4
	GENER-SRVS	General Dynamics	SUBCONTRACT #200791Y05	14,4
	GENER-Tech Support GDAIS HS Program	General Dynamics Advanced Information Systems	SUBCONTRACT 200870Y01	25,6
	GREAT-IMP-Mech Prop Resin-Fiber Com	Great Lakes Composite Institute	CO #070916	11,5
	GSENG-Test Support of Concept Field	GS Engineering	PO #5123 CO #080446	10,4
	INTEL-NSR-CISSIC-Pth Multi-Aerial	Intelligent Automation Incorporated	SUBCONTRACT 491-2 MOD 02	19,8
	JORGE-MuSTI-RTK-GPS Evaluation	Jorge Scientific Corporation	SUB #06-S-3057-270-MT MOD 3	237,7
	JORGE-RTK-GPS Evaluation	Jorge Scientific Corporation	SUB #06-S-3057-270-MT MOD 3	3
	MASSA-CISSIC-Energetic Mat Initiati	Massachusetts Institute of Technology	SUBAWARDM #5710002044	177,1
	MOTTC-MuSTI-IOFIS Phase 1	Mott Community College	MTU/MCC AGREEMENT	47,8
	OPTIM - Longview Project	OptiMetrics Inc	PO #33746	3,8
	OPTIM-STOP WORK ORDER-SALTI	OptiMetrics Inc	PO#23674 / FA8650-04-D-1712	1

CFDA				Federal
Number	Federal Program Name	Pass-through entity	Contract Number	Expenditures
Research and De	evelopment Programs - continued			
	Programs with no CFDA Numbers - continued			
	ent of Defense - continued			
12.unk	No CFDA Number - continued			
	PIERC-TAK 4 Steering System Anal	Pierce Manufacturing Inc	PO #434739	\$ 271
	RESEA/IME-Spnsr-Nanomat'ls	Research Foundation of CUNY	SUB CONTRACT 47105-00-01 AMD 5	(2,131)
	SCIEN - Lucky Charm	Science Applications International Corporation	SUB #4400141916	3,717
	SCIEN- Next Gen	Science Applications International Corporation	SUB #4400141917 MOD 3	40,186
	SCIEN-MTRI-DO4	Science Applications International Corporation	SUB #4400149824	35,911
	SCIEN-SAMERI	Science Applications International Corporation	SUBCONTRACT #4400144171	36,350
	SCIEN-STOP WORK-VisiBuilding Prgm	Science Applications International Corporation	SUBCONTRACT #4400142454	210,065
	SCIEN-Visibuilding (VB111)	Science Applications International Corporation	SAIC SUB #4400154387 MOD 2	337,597
	SETCO-MTRI-Constr Sparse Inverse	SET Corporation	SUB #SET-2007-0021	15,361
	SRICO-NSR-IME-Ferroel Relax Matl's	SRICO Inc	PO# 5176	64,568
	UNIVE-Atm Prp Hgh Engy Lsr	University of California at Los Angeles	0205-G-DB131	163,908
	UNIVE-GRA-Atms Hgh Engy Lsr	University of California at Los Angeles	0205-G-DB131	5,879
Total US De	partment of Defense		_	1,943,250
US Departm	ent of Interior			
15.unk	No CFDA Number			
	WISCO-Fish & Wildlife Northern WI	Wisconsin Dept of Natural Resources	PO #NMG00000694	4,607
	WISCO-Fish & Wildlife Northern WI 2	Wisconsin Dept of Natural Resources	PO NMH00000321	59,323
	WISCO-No Wi Lakes Lakeshore Rest Pr	Wisconsin Dept of Natural Resources	PO #NMI00000117	398
Total US De	partment of Interior		_	64,328
US Departm	ent of Transportation			
20.unk	No CFDA Number			
	CTLGR-MTTI-SOP for Field App Demo	CTL Group	MODIFICATION 01	3,000

CFDA				Federal
Number	Federal Program Name	Pass-through entity	Contract Number	Expenditures
Research and De	velopment Programs - continued			
	Programs with no CFDA Numbers - continued			
_	ent of Transportation - continued			
20.unk	No CFDA Number - continued			
	INNOV-MTTI-IPRF Consltnt ASR/Deicer	Innovative Pavement Research Foundation	MTU CO #070641	\$ 4,813
	MISSI-Env Corridor Planning	Mississippi State University	191000-363813-01	60,540
	MITRA-Loc Site Sel MI VII Tst Track	Michigan Department of Transportation	2006-0414 AUTH 14 JOB 88065	36,286
	MITRA-MTTI Dev Test Fine, Course Ags	Michigan Department of Transportation	CONTRACT #2006-0414 AUTH. 8	27,454
	MITRA-MTTI-2007 Western Hemi Initia	Michigan Department of Transportation	2003-0062 AUTH 4	27,654
	MITRA-MTTI-A Injury Crash Review	Michigan Department of Transportation	2003-0062 AUTH 5	18,963
	MITRA-MTTI-Concrete Pvmnts	Michigan Department of Transportation	2003-0063 #20 JOB # 85043	45,056
	MITRA-MTTI-Cont Trans Mat Rsch Cntr	Michigan Department of Transportation	2006-0414 AUTH 6	20,622
	MITRA-MTTI-CSD-Cnt for Str Durabili	Michigan Department of Transportation	2006-0414 AUTH 5	29,443
	MITRA-MTTI-CS-Dev Test Fine, Course	Michigan Department of Transportation	CONTRACT #2006-0414 AUTH. 8	42,543
	MITRA-MTTI-CSD-PC Box Beam II	Michigan Department of Transportation	2006-0414 AUTH 1, JOB 85098	90,009
	MITRA-MTTI-Hydrated Paste Cement	Michigan Department of Transportation	2006-0414 AUTH 10	120,560
	MITRA-MTTI-MERL 2007	Michigan Department of Transportation	2005-0014 AUTH 4	49,162
	MITRA-MTTI-ORNBP Newsletter 2007	Michigan Department of Transportation	2006-0414 AUTH 4 JOB 84989	15,754
	MITRA-MTTI-Prf Cncrt Brdg	Michigan Department of Transportation	MASTER 2003-0063, AUTH-21	17,311
	MITRA-MTTI-Superpave Tests	Michigan Department of Transportation	#2006-0414 AUTH 2	46,167
	MITRA-MTTI-TDG-LTAP 2007	Michigan Department of Transportation	#2003-0062 AUTH 3	45,699
	MITRA-MTTI-US41 Michigamme	Michigan Department of Transportation	2006-0414 AUTH 7	8,804
	MITRA-Phase II & III TARUT Study	Michigan Department of Transportation	2005-0220 A4	64,829
	MITRA-Phase II Turat Study	Michigan Department of Transportation	PHASE 2/A1 MTU	12,610
	MITRA-Phase III Turat Study	Michigan Department of Transportation	PHASE 3 MTU	81,591
	MITRA-Tarut Studen Phase 3A3	Michigan Department of Transportation	PHASE 3 MTU	67,276
	NATIO-MTTI-Fly Ash Specs Hwy Concre	National Academies	NAS CONTRACT #HR 18-13	10,827
	OHIOS-Border Crossing & Gateway	Ohio State Univ Research Foundation	PO RF01096863/PJT 60011901	109,476
	SOUTH-MTTI-Lng Effcts Mag Magnes	South Dakota Department of Transportation	CONTRAT # 310802	142,160
	UNIVE-APS-Liquid Crystal Polymer	University of Michigan	CHK #1445507	876
	UNIVE-CanSat Development	University of Michigan	SPACE GRT CK#1567230	(246)

CFDA Number	Federal Program Name	Pass-through entity	Contract Number	Federal Expenditures
Research and De	evelopment Programs - continued			
Pass-through I	Programs with no CFDA Numbers - continued			
US Departm	ent of Transportation - continued			
20.unk	No CFDA Number - continued			
	UNIVE-CISSIC-Joint Opt Energy	University of Michigan	SPACE GRANT CHK 1672756	3,424
	UNIVE-Nanosatellite Design	University of Michigan	SPACE GRT CK#1567230	1,350
	UNIVE-Remote Monitoring Changes FFT	University of Maryland, College Park	NNX06AF85G Z627202	86,242
	UNIVE-Use of Hydrogels	University of Michigan	SPACE GRT CHK 1672756	3,907
Total US De	partment of Transportation		_	1,294,162
US Environi	mental Protection Agency			
66.unk	No CFDA Number			
	ALTAR-Yr 3 Great Lakes Hydro	Altarum	SC-07-001/11354.003	(648)
	LESKT-IMP-Tailings to Roof Shingles	Lesktech, Limited	AGREEMENT #060533	3,142
	UNIVE-SFI-Cladophora Software Devel	University of Wisconsin-Milwaukee	U OF W SUBAWARD #K031702	10,000
	WATER-SFI-N Removal & Sustainabilty	Water Environment Research Foundation	LOA/DEC12U06	5,633
Total US En	vironmental Protection Agency		_	18,127
US Departm	ent of Energy			
81.unk	No CFDA Number			
	ARGON-APS-Grad St Res Hydrgn IC Eng	Argonne National Laboratory	7F-02021	43,401
	ASPEN-IMP-Ph2 Mmbr H fr Coal Syngas	Aspen Products Group, Inc	SUBCONTRACT DE-FG02-06ER84594	47,141
	SANDI-MUSTI-Switch Bounce Model	Sandia National Laboratories	PO #653790	4,621
	UCHIC-MuSTI-Argonne Guest	UChicago Argonne, LLC	SUBCONTRACT #7F-00961	37,756
	UNIVE-Structual Charact Battery Mtl	UChicago Argonne, LLC	OF-00544 MOD 1-7	4,688
	WASHI-IMP-Zr-Fe Mechanical Alloying	Washington Savannah River Company	SUBCONTRACT #AC54787N	31,987
Total US De	partment of Energy			169,594

CFDA Number	Federal Program Name	Pass-through entity	Contract Number	Federal Expenditures
	-			•
	evelopment Programs - continued			
_	Programs with no CFDA Numbers - continued			
-	ent of Education			
84.unk	No CFDA Number	YY CAYL 1:	220145	10.45 6
	UNIVE-Const Mgmt	University of Washington	339145	\$ 19,476
	UNIVE-Construction Mgmt Year 2	University of Washington	GRANT #477348	10,383
	UNIVE-GRA-Const Mgmt	University of Washington	339145	(933)
Total US De	partment of Education			28,926
-	ent of Health and Human Services			
93.unk	No CFDA Number			
	PENNS-YR 3-Elem Anly Blood Pumps	Pennsylvania State University	SUB AGRMNT 10/12/04, AMD # 1	4,944
	UNIVE-Spnsr Detct Chew/Swallow Eat	Clarkson University	SUB#375-32780-1/PO #CLKSN61194	7,235
	UPHEA-Health Information Tech	UP HealthCare Network Inc	MTU AGREEMENT # 051122	20,008
Total US De	partment of Health and Human Services			32,187
Total Research and Development Programs - Pass-through Programs with no CFDA Number				
Total Research and Development Programs				
Other Programs				
Plant Programs				
_	ns with no CFDA Number			
US Departm	ent of Housing and Urban Development			
14.unk	No CFDA Number			
	Relocation AE Seaman Mineral Museum	-n/a-	B-05-SP-MI-0123	51,050

CFDA Number	Federal Program Name	Pass-through entity	Contract Number	Federal Expenditures
Plant Programs	- continued			
_	Programs with no CFDA Number			
_	nent of Housing and Urban Development			
14.unk	No CFDA Number			
	Relocation AE Seaman Mineral Museum	MEDC	B-06-SP-MI-0494	\$ 212,501
Total Plant Prog	263,551			
S Fund Program	as			
Pass-through l	Programs with CFDA Numbers			
National For	undation for the Arts			
45.025	Promotion of the Arts_Partnership Agreeme	nts		
	Cantebury Tales/2-24-07/Fed Pass	Arts Midwest	FY07-6795	633
	Rozsa Great Event'07/MCACA/Pass Thr	Arts Midwest	07PP0002ZZ	1,100
National Fo	1,733			
Grand Total				\$ 60,186,043

Schedule of Findings and Questioned Costs

For The Year Ended June 30, 2008

SECTION I – SUMMARY OF AUDITORS' RESULTS

Financial Statements Qualified for a GAAP departure Type of auditors' report issued: related to revenue recognition Internal controls over financial reporting: Material weakness(es) identified? ____ yes <u>x</u> no Significant deficiency(ies) identified not considered to be material weaknesses? yes <u>x</u> none reported Noncompliance material to financial statements noted? ____ yes <u>x</u>___ Federal Awards Internal control over major programs: Material weakness(es) identified? ____ yes <u>x</u>___ no Significant deficiency(ies) identified not considered to be material weaknesses? yes x none reported Type of auditors' report issued on compliance for major programs: **Unqualified** Any audit findings disclosed that are required to be reported in accordance with Circular A-133, Section 510(a)? ___ yes X Identification of Major Programs CFDA Number(s) Name of Federal Program or Cluster 84.033, 84.038, 84.063, 84.066, 84.068, 84.375, 84.376 Student financial assistance cluster Research and development cluster Various Dollar threshold used to distinguish between Type A and Type B programs: \$ 1,805,581 Auditee qualified as low risk auditee? x yes

Schedule of Findings and Questioned Costs (Concluded)

For The Year Ended June 30, 2008

SECTION II – FINANCIAL STATEMENT FINDINGS

None

SECTION III – FEDERAL AWARDS FINDINGS

None

SECTION IV – SUMMARY OF PRIOR AUDIT FINDINGS

None

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