Federal Awards
Supplemental Information
June 30, 2019

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Report on Schedule of Expenditures of Federal Awards Required by the Uniform Guidance

Independent Auditor's Report

To the Board of Trustees Central Michigan University

We have audited the financial statements of Central Michigan University (the "University") and its discretely presented component units as of and for the year ended June 30, 2019 and the related notes to the financial statements, which collectively comprise the University's basic financial statements. We issued our report thereon dated September 19, 2019, which contained an unmodified opinion on the financial statements. Our audit was conducted for the purpose of forming opinions on the financial statements that collectively comprise the basic financial statements. We have not performed any procedures with respect to the audited financial statements subsequent to September 19, 2019. We did not audit the financial statements of Central Health Advancement Solutions (CHAS) or the Institute for Excellence in Education (IEE), which represent all of the assets, net assets, and revenue of the discretely presented component units. Those financial statements were audited by other auditors whose report thereon has been furnished to us, and our opinion, insofar as it relates to the amounts included for CHAS and IEE, is based on the report of the other auditors.

The accompanying schedule of expenditures of federal awards is presented for the purpose of additional analysis, as required by the Uniform Guidance, and is not a required part of the basic financial statements. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the financial statements. The information has been subjected to the auditing procedures applied in the audit of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the information is fairly stated in all material respects in relation to the financial statements as a whole.

Plante & Moran, PLLC

September 19, 2019







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Report on Internal Control Over Financial Reporting and on Compliance and Other Matters Based on an Audit of Financial Statements Performed in Accordance with *Government Auditing Standards*

Independent Auditor's Report

To Management and the Board of Trustees Central Michigan University

We have audited, 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, the financial statements of Central Michigan University (the "University") and its discretely presented component units as of and for the year ended June 30, 2019 and the related notes to the financial statements, which collectively comprise the University's basic financial statements, and have issued our report thereon dated September 19, 2019. Our report includes reference to other auditors who audited the financial statements of Central Health Advancement Solutions (CHAS) and the Institute for Excellence in Education (IEE), as described in our report on Central Michigan University's financial statements. This report does not include the results of the other auditors' testing of internal control over financial reporting or compliance and other matters that are reported on separately by those auditors. The financial statements of CHAS and IEE were not audited in accordance with *Government Auditing Standards*.

Internal Control Over Financial Reporting

In planning and performing our audit of the financial statements, we considered the University's internal control over financial reporting (internal control) to determine the audit procedures that are appropriate in the circumstances for the purpose of expressing our opinions on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of the University's internal control. Accordingly, we do not express an opinion on the effectiveness of the University's internal control.

A deficiency in internal control 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 and correct, misstatements on a timely basis. A material weakness is a deficiency, or a combination of deficiencies, in internal control such that there is a reasonable possibility that a material misstatement of the University's financial statements will not be prevented, or detected and corrected, on a timely basis. A significant deficiency is a deficiency, or a combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance.

Our consideration of internal control was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control that might be material weaknesses or significant deficiencies. Given these limitations, during our audit we did not identify any deficiencies in internal control that we consider to be material weaknesses. However, material weaknesses may exist that have not been identified.

Compliance and Other Matters

As part of obtaining reasonable assurance about whether the University's financial statements are free from 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*.



To Management and the Board of Trustees Central Michigan University

Purpose of this Report

The purpose of this report is solely to describe the scope of our testing of internal control and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the entity's internal control or on compliance. This report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the University's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.

Plante & Moran, PLLC

September 19, 2019





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Report on Compliance for Each Major Federal Program and Report on Internal Control Over Compliance
Required by the Uniform Guidance

Independent Auditor's Report

To the Board of Trustees Central Michigan University

Report on Compliance for Each Major Federal Program

We have audited Central Michigan University's (the "University") compliance with the types of compliance requirements described in the U.S. Office of Management and Budget (OMB) Compliance Supplement that could have a direct and material effect on each of the University's major federal programs for the year ended June 30, 2019. The University's major federal programs are identified in the summary of auditor's results section of the accompanying schedule of findings and questioned costs.

Management's Responsibility

Management is responsible for compliance with federal statutes, regulations, and the terms and conditions of its federal awards applicable to its federal programs.

Auditor's Responsibility

Our responsibility is to express an opinion on compliance for each of the University's major federal programs based on our audit of the types of compliance requirements referred to above.

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 the audit requirements of Title 2 U.S. Code of Federal Regulations Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (the "Uniform Guidance"). Those standards and the Uniform Guidance 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 the 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 on compliance for each major federal program. However, our audit does not provide a legal determination of the University's compliance.

Opinion on Each Major Federal Program

In our opinion, the University complied, in all material respects, with the types of compliance requirements referred to above that could have a direct and material effect on each of the major federal programs for the year ended June 30, 2019.



To the Board of Trustees Central Michigan University

Report on Internal Control Over Compliance

Management of the University is responsible for establishing and maintaining effective internal control over compliance with the types of compliance requirements referred to above. In planning and performing our audit of compliance, we considered the University's internal control over compliance with the types of requirements that could have a direct and material effect on each major federal program to determine the auditing procedures that are appropriate in the circumstances for the purpose of expressing an opinion on compliance for each major federal program and to test and report on internal control over compliance in accordance with the Uniform Guidance, 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 the University's internal control over compliance.

A deficiency in internal control over compliance exists when the design or operation of a control over compliance does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, noncompliance with a type of compliance requirement of a federal program on a timely basis. A material weakness in internal control over compliance is a deficiency, or a combination of deficiencies, in internal control over compliance such that there is a reasonable possibility that material noncompliance with a type of compliance requirement of a federal program will not be prevented, or detected and corrected, on a timely basis. A significant deficiency in internal control over compliance is a deficiency, or a combination of deficiencies, in internal control over compliance with a type of compliance requirement of a federal program that is less severe than a material weakness in internal control over compliance, yet important enough to merit attention by those charged with governance.

Our consideration of internal control over compliance was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control over compliance that might be material weaknesses or significant deficiencies. We did not identify any deficiencies in internal control over compliance that we consider to be material weaknesses. However, material weaknesses may exist that have not been identified.

The purpose of this report on internal control over compliance is solely to describe the scope of our testing of internal control over compliance and the results of that testing based on the requirements of the Uniform Guidance. Accordingly, this report is not suitable for any other purpose.

Flante & Moran, PLLC

September 19, 2019

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2019

Stational Financial Auditabases Cluster	Education (Constitution	Direct/Pass-	Catalog	Federal or Pass-	Pass-through	5. day 15
1. Department of Education	Federal Agencies/Grant Name	through	Number	through Number	to Subrecipients	Federal Expenditures
Federal Supplemental Escaptions Opportunity Coart 2016-19						
Fusion Walk Shally 2018-19 10,000 pm 1,000 pm		Direct	84 007	D0074181085		s 522.265
Federal Pedi Genet Pools						
Fischer Perf Care Program 2071-16 20.00 Program 2071-16 Program 2071	Federal Pell Grant Program 2015-16	Direct				10
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TROC Cluster						
TRUE Cluster	Teacher Education Assistance for College and Higher Education Grant 2018-19	Direct	84.379	P379T190222		37,460
CAPA	Total Student Financial Assistance Cluster					185,363,593
CAPA	TPIO Cluster					
CAU - Educational Tailent Search 2017-18						
CAU - TRIO Upward Board Northwest Detects 2017-18 Direct		Direct	84.044A	P044A160830-17		74,856
CAIU_TRIO Lyward Bound Starthwest Deriod 2017-18 Direct 8.647 P047A715151 2,066 1,06	CMU - Educational Talent Search 2018-19	Direct	84.044A	P044A160830-18		201,452
Upward Board STEM NV						
Upward Sound STEM SW 26.467 April Appril						
CMU - TRIOL Upward Bound Morthwest Detail 2016-19						
CMU - TRIO Upward Southwest Derival 2015-19 Direct 84.04TA PORTAT/515-16 174.2996 Preparation for Success: Central Michigan University's McNair Program 2017-13 Direct 84.217A P217A17015-5 186.014						
Preparation for Success: Central Michigan University's Mohair Program 2011-19 Direct 84.217A P217A170155-18 18.81.41						
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Recruitment Dynamics and Spatial Distribution of Rivers Spawned Lake Whitefish Passed through Winous Point Marsh Conservancy Developing Habitat Occupancy Models for King Rails in the Great Lakes Region Passed through Michigan State University Poweshiek Skipperling Adaptive Management Framework Passed through Michigan Department of Environmental Quality European Frog-Bit Adaptive Management Framework Passed through Michigan Department of Environmental Quality European Frog-Bit Adaptive Management Framework Passed through Clemson University Visitor Use Management for Polar Bear Viewing at Arctic National Wildlife Refuge U.S. Geological Survey Phytoplankton Enumeration for CMSI 2015 Functional Indicators of Coastal Wetland Condition Direct 15.808 G16AC00031 G17AC00072 163 Analysis of Angler Creel Survey Data from the St. Clair-Detroit Rivers System Direct Functional Indicators of Coastal Wetland Conditions-Prase II		Direct	15.678	F17AC00151	\$ 25,000	51,398
Passed through Winous Point Marsh Conservancy Developing Habitat Occupancy Models for King Rails in the Great Lakes Region Passed through Michigan State University Poweshiek Skipperling Adaptive Management Framework Passed through Michigan Department of Environmental Quality European Frog-Bit Adaptive Management Framework Passed through Michigan Department of Environmental Quality European Frog-Bit Adaptive Management Framework Passed through Clemson University Visitor Use Management for Polar Bear Viewing at Arctic National Wildlife Refuge U.S. Geological Survey Phytoplankton Enumeration for CMSI 2015 Functional Indicators of Coastal Wetland Condition Analysis of Angler Creel Survey Data from the St. Clair-Detroit Rivers System Direct Functional Indicators of Coastal Wetland For Mes System Direct Direct Direct 15.808 G17AC000772 16.055 Functional Indicators of Coastal Wetland For Mes System Direct Direct 15.808 G17AC000772 16.055 Functional Indicators of Coastal Wetland For Mes System Direct Direct 15.808 G17AC000772 16.055 Functional Indicators of Coastal Wetland For Mes System Direct Direct 15.808 G17AC000772 16.055	Passed through University of Wisconsin	D #	45.000	4 4 D 7 5 0 0 D 5 4 7		0.400
Developing Habitat Occupancy Models for King Rails in the Great Lakes Region Pass-through 15.637 F19AP0030 3,151 Passed through Michigan State University Poweshiek Skipperling Adaptive Management Framework Pass-through 15.662 RC 108738 23,092 Passed through Michigan Department of Environmental Quality European Frog-Bit Adaptive Management Framework Pass-through 15.662 F19AP0031 24,342 Passed through Clemson University Pass-through 15.678 1912-216-2011802 15,336 U.S. Geological Survey Phytoplankton Enumeration for CMSI 2015 Phytoplankton Enumeration for CMSI 2015 Functional Indicators of Coastal Weldand Condition Direct 15.808 G16AC00031 616AC00038 3,376 Analysis of Angler Creel Survey Data from the St. Clair-Detroit Rivers System Direct 15.808 G17AC00072 16.35 Analysis of Creel Survey Data from the St. Clair-Detroit Rivers System Direct 15.808 G16AC00308 104.294 178.274 Functional Indicators of Coastal Welland Conditions - Phase II Direct 15.808 G16AC00308 104.294 178.274 Functional Indicators of Coastal Welland Conditions - Phase II Direct 15.808 G16AC00308 104.294 178.274 Functional Indicators of Coastal Welland Conditions - Phase II Direct 15.808 G16AC00308 104.294 178.274 Functional Indicators of Coastal Welland Conditions - Phase II Direct 15.808 G16AC00308 104.294 178.274 Functional Indicators of Coastal Welland Conditions - Phase II Direct 15.808 G16AC00308 104.294 178.274 Functional Indicators of Coastal Welland Conditions - Phase II Direct 15.808 G16AC00308 104.294 178.274 Functional Indicators of Coastal Welland Conditions - Phase II Direct 15.808 G16AC00308 104.294 178.274 Functional Indicators of Coastal Welland Conditions - Phase II Direct 15.808 G16AC00308 104.294 178.274 Functional Indicators of Coastal Welland Conditions - Phase II Direct 15.808 G16AC00308 104.294 178.274 F		Pass-tillough	15.006	AAD/300-PT-1/		0,490
Passed through Michigan State University Pass-through 15.662 RC108738 23,092		Pass-through	15.637	F19AP0030		3.151
Poweshiek Skipperling Adaptive Management Framework Pass-through 15.662 RC108738 23,092						-,
European Frog-Bit Adaptive Management Framework Pass-through 15.662 F19AP0031 24,342		Pass-through	15.662	RC108738		23,092
Passed through Clemson University Pass-through 15.678 1912-216-2011802 15,536 U.S. Geological Survey Phytoplankton Enumeration for CMSI 2015 Direct 15.808 G16AC00031 (75) Functional Indicators of Coastal Wetland Condition Direct 15.808 G16AC00038 3,376 Analysis of Angler Creel Survey Data from the St. Clair-Detroit Rivers System Direct 15.808 G17AC00072 163 Analysis of Creel Survey Data from the St. Clair-Detroit Rivers System Direct 15.808 G17AC00072 16,055 Functional Indicators of Coastal Wetland Conditions-Phase II Direct 15.808 G16AC00308 104,294 178,274		Door through	15.660	E404D0024		24 242
Visitor Use Management for Polar Bear Viewing at Arctic National Wildlife Refuge Pass-through 15.678 1912-216-2011802 15,536 U.S. Geological Survey Phytoplankton Enumeration for CMSI 2015 Direct 15.808 G16AC00031 (75) Functional Indicators of Coastal Wetland Condition Direct 15.808 G16AC00308 3,76 Analysis of Angler Creel Survey Data from the St. Clair-Detroit Rivers System Direct 15.808 G17AC00072 16.3 Analysis of Creel Survey Data from the St. Clair-Detroit Rivers System Direct 15.808 G17AC00072 16.05 Functional Indicators of Coastal Wetland Conditions-Phase II Direct 15.808 G16AC00308 104.294 178.274		Pass-illough	15.002	F 19APUUS I		24,342
Phytoplankton Enumeration for CMSI 2015 Direct 15.808 G16AC00031 (75)	Visitor Use Management for Polar Bear Viewing at Arctic National Wildlife Refuge	Pass-through	15.678	1912-216-2011802		15,536
Functional Indicators of Coastal Wetland Condition Direct 15.808 G16AC00308 3,376 Analysis of Angler Creel Survey Data from the St. Clair-Detroit Rivers System Direct 15.808 G17AC00072 163 Analysis of Creel Survey Data from the St. Clair-Detroit Rivers System Direct 15.808 G17AC00072 16,055 Functional Indicators of Coastal Wetland Conditions-Phase II Direct 15.808 G16AC00308 104.294 178,274		Direct	45.000	0404000004		(
Analysis of Angler Creel Survey Data from the St. Clair-Detroit Rivers System Direct 15.808 G17AC00072 163 Analysis of Creel Survey Data from the St. Clair-Detroit Rivers System Direct 15.808 G17AC00072 16,055 Functional Indicators of Coastal Wetland Conditions-Phase II Direct 15.808 G18AC000308 104,294 178,274						
Analysis of Creel Survey Data from the St. Clair-Detroit Rivers System Direct 15.808 G17AC00072 16,055 Functional Indicators of Coastal Wetland Conditions-Phase II Direct 15.808 G16AC00308 104,294 178,274						
Functional Indicators of Coastal Wetland Conditions-Phase II Direct 15.808 G16AC00308 104,294 178,274						
					104,294	

Schedule of Expenditures of Federal Awards (Continued)

Year Ended June 30, 2019

Federal Agencies/Grant Name	Direct/Pass- through	Catalog Number	Federal or Pass- through Number	Pass-through to Subrecipients	Federal Expenditures
U.S. Department of Justice					
National Institute of Justice Research Assistantship Program Total U.S. Department of Justice	Direct	16.000	DJO-NIJ-18-RO-0504		\$ 50,732 50,732
National Aeronautics and Space Administration					
Passed through Colorado State University Using Earth Observations to Assess the Socioeconomic Impact of Wildland Fire	Pass-through	43.001	G-25490-3		413
Total National Aeronautics and Space Administration	i ass-tillougii	45.001	0-23430-0	-	413
National Science Foundation					
Collaborative Research: Enriching the Professional Dev. of School Teachers	Direct	47.041	EEC-1542368		150,591
Supporting Rural Secondary School Student Learners in Developing Engineering	Direct	47.041	1542368		7,824
Studies of Exotic Nuclei with the MoNA LISA Neutron Detectors	Direct	47.049	PHY-1205357		1,550
SusChEM: Synthesis of Degradable Sugar Poly(ortho esters) from Renewable	Direct	47.049	CHE-1413033		3,194
Some Problems in Several Complex Variables Precision Measurements with the CHIP-TRAP	Direct Direct	47.049 47.049	1600371 PHY-1607429		35,179 68,984
High-Precision Optical Long-Based Interferometry Physics	Direct	47.049	1614983		81.933
CAREER: Chemical Tools for Understanding the Mycomembrane of Corvnebacterineae	Direct	47.049	1654408		100.081
Beta-Decay Experiments Along the r-Process Path	Direct	47.049	1714153		84.744
Enumerative Geometry of Hitchin Systems and TQFT	Direct	47.049	1802082		37.285
CAREER: MicroRNA Pathways Controlling Development After Diapause	Direct	47.074	1652283		99.442
RCN-UBE: Biodiversity Literacy in Undergraduate Education - BLUE Data Network	Direct	47.074	1730526	\$ 4.580	68.337
Engaging Underrepresented Populations in Biodiversity Sciences	Direct	47.074	1746715	Ψ 4,500	18.177
REU Site: Great Lakes Ecosystem Research to Build Foundations for STEM Futures	Direct	47.074	1757418		52,348
Collaborative Research: The Impact of Face-to-Face and Remote Interviewing	Direct	47.075	1654828		28,056
Enhancing STEM Education with Research-Based Environmental Experiments	Direct	47.076	DUE-1323470	31,400	67,452
Practical Active Learning Stations	Direct	47.076	1608043	8,714	80,142
Collab: Microscopic Fracturing and Macroscopic Weakening: A Novel Model	Direct	47.050	1755274	-,	7,480
Passed through University of Illinois					
Spectra of Linear Differential Operators and Turbulence in Integrable Systems	Pass-through	47.049	1716822		52,604
Passed through Columbia University					
Post-Expedition Research Activity (PEA), IODP Expedition 381	Pass-through	47.050	OCE-1450528		9,712
Passed through Brown University					
NeuroNex Technology Hub: Bioluminescence for Optimal Brain Control and Imaging	Pass-through	47.074	#00001106		328,891
Passed through University of Arizona					
Gene Regulatory Networks in the Maize Endosperm	Pass-through	47.074	316615		203,619
Passed through Salish Kootenai College					
ANLSAMP 2018-19 Total National Science Foundation	Pass-through	47.076	CMU2018-2	44 694	4,002 1,591,627
I otal National Science Foundation				44,694	1,591,627
Environmental Protection Agency	Direct	66.469	GL-00E01567-0	4 000 005	2.087.407
Coastal Wetland Monitoring: Continued Implementation by GLCWC				1,226,335	, , .
Early Detection of Oligochaetes and Chironmidaes in the Great Lakes	Direct	66.469	GL-00E02225-0	20,838	223,315
Passed through Michigan Department of Environmental Quality Using Indices of Biotic Integrity for Assessing Wetland Health in Michigan	Pass-through	66.419	W490089-16-1		80,903
Using Monitoring Results to Improve Management of Michigan's Coastal Wetlands	Pass-through	66.469	W-490414-17-1		1,165
Implementing Michigan's Comprehensive Aquatic Species State Management Plan	Pass-through	66.469	2016-0114		14,512
Passed through The Nature Conservancy	i ass-tillough	00.403	2010-0114		14,512
Integrated Pest Management of Rusty Crayfish	Pass-through	66.469	010318-1		53.899
Total Environmental Protection Agency	i ass-tillough	00.403	010010-1	1,247,173	2.461.201
Total Environmental Folection Agency				1,247,170	2,401,201
U.S. Department of Energy					
NUClear Computational Low-Energy Initiative (NUCLEI) Year 2	Direct	81.049	DE-SC0008529-0001		6,849
Investigation of the Role of the VP-Process in Heavy Element Nucleosynthesis	Direct	81.049	DE-SC0014285		93,282
NUClear Computational Low-Energy Initiative (NUCLEI) YR 4	Direct	81.049	DE-SC0008529		6,664
High-Precision Penning Trap Measurements	Direct	81.049	DE-SC0015927		179,549
In Operando and Element Specific X-Ray Scattering	Direct	81.049	DE-SC0006877/0004	133,084	188,844
Computational Methods Based on Density	Direct	81.049	DE-SC0005027		62,312
FLO-SIC: Efficient Density Functional Theory Calculations	Direct	81.049	DE-SC 0018331	826,830	1,189,543
Passed through University of Southern California					
Quantum Computation for Quantum Prediction of Materials and Molecular Properties	Pass-through	81.049	111238210		41,888
Passed through University of North Carolina					
Nuclear Theory for Double-Beta Decay and Fundamental Symmetries Year 3	Pass-through	81.049	5103975	959.914	13,629
Total U.S. Department of Energy				959,914	1,782,560
U.S. Department of Education					
Passed through Michigan Department of Education then passed through Clinton County RESA					
Building Resilient Connections: Utilizing Touchpoints to Support Infant/Toddler	Pass-through	84.181A	N/A		5,264
Total U.S. Department of Education				-	5,264

Schedule of Expenditures of Federal Awards (Continued)

Year Ended June 30, 2019

Federal Agencies/Grant Name	Direct/Pass- through	Catalog Number	Federal or Pass- through Number	Pass-through to Subrecipients	Federal Expenditures
U.S. Department of Health and Human Services					
National Institutes of Health Disparities in Diabetes Comorbidities and Multiple Chronic Conditions	Direct	93.847	1R15DK104260-01A1	\$ 8,790	\$ 123,268
BioLuminescent OptoGenetics (BL-OG): Shafau Diversity Supplement (1)	Direct	93.853	3U01NS099709-02S3	0,700	173
BioLuminescent OptoGenetics (BL-OG): A Novel and Versatile Strategy Year 3	Direct	93.853	5U01NS099709-03	329,327	597,863
BioLuminescent OptoGenetics (BL-OG): A Novel and Versatile Strategy Year 2	Direct	93.853	5U01NS099709-02	54,155	(13,080)
BioLuminescent OptoGenetics (BL-OG): Johnston Diversity Supplement Year 2	Direct	93.853	5U01NS099709-03		16,146
BioLuminescent OptoGenetics (BL-OG): Shafau Diversity Supplement Year 2	Direct	93.853	5U01NS099709-03		15,554
Bryant Diversity Supplement to BioLuminescent OptoGenetics (BL-OG)	Direct Direct	93.853 93.853	3U01NS099709-03S1 3U01NS099709-02S1		93,137 (1,813)
BioLuminescent OptoGenetics (BL-OG): Johnston Diversity Supplement (1) Chemoenzymatic Synthesis of Trehalose Analogs for Investigating Mycobacteria	Direct	93.855	1R15Al117670-01	16,499	50,176
Mechanisms of RNP Granule Function in the Germ Line	Direct	93.859	1R15GM109337-01A1	10,499	9,808
Stem Cell Multipotency During Quiescence	Direct	93.859	1R15GM117568-01		70,246
Novel Functions of Prim Pol	Direct	93.859	1R15GM117522-01A1	9,174	159,978
Mechanisms of RNP Granule Assembly and Function in the Germ Line	Direct	93.859	2R15GM109337-02A1		94,078
Chemical and Molecular Mechanisms of Mitochondrial DNA Degradation	Direct	93.859	1R35GM128854-01	5,721	56,815
Genes, Education, and Gene-Education Interactions in Obesity and Mental Health	Direct	93.865	1R01HD094011-01	49,797	141,527
Improving Parent-Child Interactions to Prevent Obesity in Early Childhood	Direct	93.865	1R21HD093944-01		113,480
Generating Mouse Models of Amyloid Beta and Tau Proteinopathy in AD	Direct	93.866	1R03AG060144-01		55,165
Employing Subcellular Calcium to Control Membrane Voltage	Direct	93.867	1R21EY026427-01		3,789
Non-Invasive Nanoparticle Platform for Tool Delivery to the Brain	Direct	93.867	1R21EY030012-01		5,485
Passed through Emory University Environmental Contamination in Michigan: Engaging Communities in Aftermath	Pass-through	93.113	A073659		38,988
Passed through Michigan State University	Pass-tillough	93.113	AU73039		30,900
Influence of Chronic Systemic Inflammation on Sporadic Alzheimer's Disease	Pass-through	93.866	RC 108278CMU		46,910
Total U.S. Department of Health and Human Services	r doo an oagn	00.000	110 1002/001110	473,463	1,677,693
Total G.E. Sopartion of Figure 1 and Figure 1				170,100	1,077,000
Total Research and Development Cluster				2,854,538	8,106,987
Other Fisherd Asserts					
Other Federal Awards U.S. Department of Agriculture					
Educating Physicians for Rural Practice: Comprehensive Community Clerkship	Direct	10.855	MI 741-B16		1
Passed through Michigan Department of Education					
Child and Adult Food Program 2017-18	Pass-through	10.558	370005017		5,689
Child and Adult Care Food Program 2018-19	Pass-through	10.558	370005017		29,507
Total U.S. Department of Agriculture				-	35,197
Federal Communications Commission					
FCC Post-Incentive Auction Broadcast Transition - WCMW	Direct	32.000	N/A		138,161
FCC Post-Incentive Auction Broadcast Transition WCMV Total Federal Communications Commission	Direct	32.000	N/A		318,533 456,694
Total I educat Communications Commission					450,054
Library of Congress					
Passed through Open World Leadership Center then passed through Family Health International					
Open World, FHI 360 Global Connections, Political Party Development in Russia	Pass-through	42.000	PO18006786		6,866
Total Library of Congress				-	6,866
National Endowment for the Humanities					
Michigan-National Digital Newspaper Program	Direct	45.149	PJ-50100-12		27,816
Digitization of Michigan Newspapers	Direct	45.149	PJ-50100-12		57,094
Passed through Michigan Humanities Council					. ,
Third Coast Conversations: Dialogues about Water in Michigan	Pass-through	45.164	18TCC-004		8,018
Total National Endowment for the Humanities					92,928
II C Department of Education					
U. S. Department of Education DeafBlind Central: Michigan's Training and Resource Project Year 5	Direct	84.326T	H326T130025-17		82,457
DeafBlind Central: Michigan's Training and Resource Project DeafBlind Central: Michigan's Training and Resource Project	Direct	84.326T	H326T180045		182,237
Passed through Michigan Department of Talent and Economic Development	Direct	04.3201	113201 100043		102,237
Michigan GEAR UP 2017-2018	Pass-through	84.334S	16-00-01		12,213
Passed through Michigan Department of Education then passed through University of Michigan					,
University of Michigan Dearborn Wayne Schools Global Geography Project	Pass-through	84.367	3004555110		15,111
Total U.S. Department of Education	-				292,018
U.S. Department of Health and Human Services					
Administration for Community Living					
Passed through Region VII Area Agency on Aging	Daniel Harrison	00.000	***		00.000
Capacity Building Aided by Experiential Learning: Fall Prevention Exercise Capacity Building Aided By Experiential Learning: Fall Prevention Year 2	Pass-through	93.000	N/A N/A		30,982 48,568
Health Resources & Services Administration	Pass-through	93.000	IN/A		40,300
Passed through Wayne State University					
Michigan Leadership Education in Neurodevelopmental Disabilities (LEND) Year 2	Pass-through	93.110	WSU17102		2,094
Michigan Leadership Education in Neurodevelopmental Disabilities Year 3	Pass-through	93.110	WSU 19012		27,660
Audiology Competitive Supplement to MI-LEND Year 3	Pass-through	93.110	WSU 19013		15,004
Substance Abuse and Mental Health Services Administration					
Interprofessional Training Project to Expand Access to Medication-Assisted	Direct	93.243	1H79TI081679-01		72,340
Passed through American Academy of Addition Psychiatry then passed through Physician Assistant Education As					
Medication Assistant Therapy Waiver Project	Pass-through	93.000	N/A		167,886
Administration for Children and Families					
Passed through EightCAP, Inc.	Door through	02.600	0EC110262 0E		00.004
Early Childhood Collaborative with EightCap, Inc. 2018 Total U.S. Department of Health and Human Services	Pass-through	93.600	05CH8363-05		96,631 461,165
Total C.S. Department of Health and Human Services				•	401,105
Total other federal awards					1,344,868
Total federal awards				\$ 2,854,538	\$ 195,921,951

Notes to Schedule of Expenditures of Federal Awards

Year Ended June 30, 2019

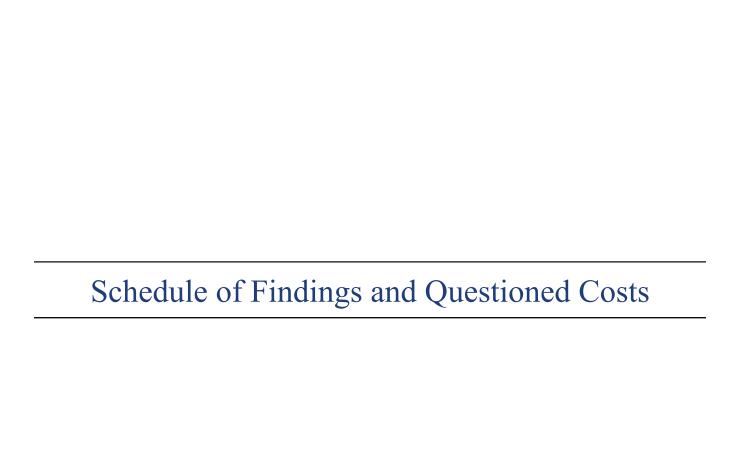
Note 1 - Basis of Presentation

The accompanying schedule of expenditures of federal awards (the "Schedule") includes the federal grant activity of Central Michigan University (the "University") under programs of the federal government for the year ended June 30, 2019. The information in the Schedule is presented in accordance with the requirements of Title 2 U.S. Code of Federal Regulations Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (the "Uniform Guidance"). Because the Schedule presents only a selected portion of the operations of the University, it is not intended to and does not present the financial position, changes in net position, or cash flows of the University.

Note 2 - Summary of Significant Accounting Policies

Expenditures reported in the Schedule are reported on the accrual basis of accounting. Such expenditures are recognized following, as applicable, either the cost principles in OMB Circular A-21, Cost Principles for Educational Institutions, or the cost principles contained in Title 2 U.S. Code of Federal Regulations Part 200, Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards, wherein certain types of expenditures are not allowable or are limited as to reimbursement. Negative amounts shown on the Schedule represent adjustments or credits made in the normal course of business to amounts reported as expenditures in prior years. Pass-through entity identifying numbers are presented where available.

The University has elected not to use the 10 percent *de minimis* indirect cost rate to recover indirect costs, as allowed under the Uniform Guidance.



Schedule of Findings and Questioned Costs

Year Ended June 30, 2019

Section I - Summary of Auditor's Results			
Financial Statements			
Type of auditor's report issued:	Unmodified		
Internal control over financial reporting:			
Material weakness(es) identified?	Yes	X	No
 Significant deficiency(ies) identified that are not considered to be material weaknesses? 	Yes	X	None reported
Noncompliance material to financial statements noted?	Yes	X	None reported
Federal Awards			
Internal control over major programs:			
 Material weakness(es) identified? 	Yes	X	No
 Significant deficiency(ies) identified that are not considered to be material weaknesses? 	Yes	X	None reported
Any audit findings disclosed that are required to be reported in accordance with Section 2 CFR 200.516(a)?	Yes	X	No
Identification of major programs:			
CFDA Number Name of Federal Program or Clu	uster		Opinion
84.007, 84.033, 84.063, 84.268, 84.379 Student Financial Assistance Cluster Various Research and Development Cluster			Unmodified Unmodified
Dollar threshold used to distinguish between type A and type B programs:	\$750,000		
Auditee qualified as low-risk auditee?	X Yes		No
Section II - Financial Statement Audit Findings Reference			

Current Year None

Number

Finding

Schedule of Findings and Questioned Costs (Continued)

Year Ended June 30, 2019

Section III - Federal Program Audit Findings

Reference		Questioned
Number	Finding	Costs

Current Year None