

William Thurman Nutt
DPA Portfolio

December 12, 2014

PADM 9990

TABLE OF CONTENTS

(Hover cursor over Table of contents item and CTRL + click to follow link. Click Artifact Hyperlink to go to document)

Introduction.....	1
Professional Goals Statement and Resume.....	2
ACADEMIC ARTIFACT 01 The University of West Georgia Master of Science in Rural and Small Town Planning, GIS Graduate Certificate & Phi Kappa Phi 2006-2009, Other Degrees.....	6
PROFESSIONAL ARTIFACT 01 United States Peace Corps Certificate of Appreciation, Description of Service and Press Release 1979-1982	6
PROFESSIONAL ARTIFACT 02 Teaching English in Japan 1985-1988	7
PROFESSIONAL ARTIFACT 03 TDK Components USA, Inc. Achievements 1988-2011	8
PROFESSIONAL ARTIFACT 04 United States Peace Corps Response, Certificate of Appreciation, Description of Service and Assessment of Groundwater Resources 2014	10
ACADEMIC ARTIFACT 02 Organizational Change in Japanese Facilities UWG POLS 6203 Theories of Public Organizations Fall 2006	11
ACADEMIC ARTIFACT 03 Professionalism and Organizational Values UWG POLS 6201 Theory of Public Administration Fall 2008	11
ACADEMIC ARTIFACT 04 Economic Valuation of Environmental Services in Fayette County, Georgia UWG Spring 2009 Capstone Project	12
ACADEMIC ARTIFACT 05 The Effect of Stream Width on Stream Quality at the Confluence of Flat Creek and Line Creek in Fayette County CSU ENVS 6207 Ecological Methods Fall 2009	12
ACADEMIC ARTIFACT 06 Geology of Georgia CSU ENVS 7775 Special Topics Summer 2010	13
ACADEMIC ARTIFACT 07 Rural Blight, Characterization of Values and Perspectives VSU PADM 9050 Program Evaluation Fall 2011	13
ACADEMIC ARTIFACT 08 The Communist Manifesto by Karl Marx with Frederick Engels VSU PADM 9000 Administration and Government Fall 2010.....	13
ACADEMIC ARTIFACT 09 Natural Law and the Evolution of the Modern American Political State PADM 9030 Administration and Government Fall 2010.....	14
ACADEMIC ARTIFACT 10 Challenges in Local Governance Fayetteville Georgia VSU PADM 7250 Managing Small Cities and Counties Spring 2011	14
ACADEMIC ARTIFACT 11 English Language Acquisition by Hispanic High School Students in Georgia VSU PADM 9040 Research Methods in Public Administration Spring 2011	14
ACADEMIC ARTIFACT 12 The Federal Budget Deficit VSU PADM 9010 Financial Management Spring 2011	15
ACADEMIC ARTIFACT 13 William Nutt Jane Addams Biographical Analysis VSU PADM 7040 Non-Profit Management Spring 2013.....	15
PORTFOLIO SUMMARY	16

Introduction

This portfolio represents the Academic and Professional Achievement of William Thurman Nutt. The period covered by this document is from graduation from the University of Alabama in 1979 up until the present. The portfolio is comprehensive. Included is every major writing assignment from my graduate studies at The University of West Georgia, Columbus State University, and Valdosta State University. Copies of all degrees and professional certificates are also included as reference milestones. Artifacts from my time as a Peace Corps Volunteer in the Philippines and as an English Teacher in Japan, spanning eight years, are unfortunately few. My experience overseas was formative in shaping my character and is a constant inspiration in my work and aspirations.

I have worked for one company for most of my professional life. Fortunately, TDK has given me the freedom and the resources to fully develop my potential as a manager in diverse fields. My experience is distinctive in the organization as an American having been able to experience work life in Japan and be totally immersed in both local and company culture for three years. Since I took advantage of their early retirement program and in January 2012, I have been concentrating on my graduate work. As evidenced in the Professional Artifacts, my experience at the Georgia facility in environmental management and stewardship is exemplary.

Professional Goals Statement & Resume

My primary educational and career goals are in the areas of environmental stewardship and conservation at the county level and the long-term impacts that land use and planning activities have on the regional and global environment. While most of my work experience is in private sector applications of environmental management, I plan to change career focus to areas of environmental sustainability in the public sector where there are potential activities and opportunities with local and regional conservation groups and their interface with local governments. This career path will lead to active participation with local government agencies whether they be staff positions, voluntary programs or in elected offices to educate and enlist citizens to protect and restore the quality of the natural and human environment.

While working within the state, local and federal regulatory environmental framework with a private firm, I have been pursuing course work and degree programs in local land use planning and environmental science. Local trends and global environmental issues have set in motion redoubled efforts on the part of conservationist and government stewards at the local level to preserve dwindling natural areas through new approaches and new ways of thinking.

Historically, market forces have been inadequate in providing an accurate valuation of the services that environmental resources provide to our communities. These services provided by natural areas are significant. The economic valuation of these natural assets has evolved considerably in recent years and has become a complex issue for society. Communities need to control growth and impacts and to limit habitat degradation through land use planning, with environmental impact assessment and safeguards, and rehabilitation of damaged sites, taking into account these essential services.

With the focus on global warming, the economic, environmental and social importance of natural areas necessitates that policy makers and community groups at all levels be better informed about the value society places on these lands. A close study of the impacts related to the decisions that our local community makes is imperative in preserving natural areas for recreational use and aesthetic benefits. Accurate valuation based on sound science can help communities in making responsible land use decisions and other changes in light of the environmental, economic and social valuation aspects.

Establishing myself in a second career in environmental auditing of industries in the Southeast will give me the flexibility to engage in work with non-profit organizations where research in environmental science at the local level may help inform local government decisions. My involvement with the Adopt-a-Stream program may be expanded along these lines with an ultimate goal to develop a county-wide non-profit organization that will support environmental and preservation interests in all local development projects.

WILLIAM THURMAN NUTT

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 Peachtree City, GA 30269-2814
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EDUCATION**DOCTOR OF PUBLIC ADMINISTRATION**

Valdosta State University 2010--present
 Dissertation Stage: Degree completion Spring 2015

MASTER OF SCIENCE, ENVIRONMENTAL SCIENCE

Columbus State University 2009 – 2012

MASTER OF SCIENCE, RURAL AND SMALL TOWN PLANNING

Graduate Certificate in Geographic Information Systems
 University of West Georgia 2007 – 2009

ASSOCIATE OF APPLIED SCIENCE, AIR CONDITIONING TECHNOLOGY

Griffin Technical College 2005 – 2008

BACHELOR OF SCIENCE, FINANCE

University of Alabama 1974 – 1979

EXPERIENCE**ENVIRONMENTAL, HEALTH & SAFETY MANAGEMENT SYSTEM AUDITOR****UL-DQS (Underwriters Laboratory)**

- July 2013--Present
- Perform third party Certification and Surveillance audits for compliance with
 ISO 14001:2004 Environmental Management Systems,
 ISO 50001:2011 Energy Management Systems
 OHSAS 18001: Occupational Health and Safety Assessment Series
- Responsibilities include planning and conducting audits; managing audit team,
 documentation review, recording and reporting audit results, review of customer
 resolution of nonconformance(s).
- Perform client management responsibilities for corporate accounts.

U.S. PEACE CORPS RESPONSE VOLUNTEER--EASTERN SAMAR, PHILIPPINES**Guiuan Recovery and Rehabilitation Group--Comprehensive Environmental Land Use
 Planning and Mapping Expert**

June 2014--December 2014 (6 months)

- Assisted in the response efforts in the wake of Typhoon Yolanda, responsible for
 mapping and assessing the groundwater resources. Provided technical assistance in data
 processing, analysis, and geospatial presentation.

- Coordinated the ArcGIS geo-referencing print maps and produced an accurate political boundary map.
- Conducted a Field Survey and assessment of the condition of 969 wells and pumps of 37 Rural Barangays and provided suggestions for the continuous improvement and management of water sources.
- Identified and mapped ecologically sensitive areas and watershed aspects such as zones of vulnerability, recharge areas, and ecologically sensitive areas.
- Provided a model of the karst groundwater system, flows of freshwater and saltwater intrusion.
- Provided recommendations on the natural forest succession and recovery process.

ENVIRONMENTAL, HEALTH & SAFETY MANAGER

TDK Components USA, Inc. Peachtree City, Georgia

March 1998--April 2005 (7 years)

April 2007--December 2011 (3 years 9 months)

- ISO14000 Environmental Management System. Establishment and Implementation.
- OHSAS 18001 Occupational Health Safety Management System Establishment.
- Environmental Compliance Programs.
- Air Permit Management, Hazardous Waste Permitting & Management.
- Community Right-to-Know Emergency Contingency Planning.
- Waste Water Treatment Plant Operation and Reporting.
- OSHA and Local Regulatory Compliance.
- Facility Expansion and Upgrade, General Maintenance.
- Hazardous Waste Minimization Plan and Biennial Report of Hazardous Waste Activity.
- Control and Maintenance for DI Water and Wastewater Pre-treatment System.
- Monthly Compliance Report to PTC Utilities Company.
- Coordinated Construction of Plant Expansion and Renovation.
- 2010 Partner of the Year Award by GA EPD Sustainability Division
- 2008 Environmental Performance Award, US EPA

WASTEWATER INDUSTRIAL OPERATOR LICENSE--State of Georgia Certificate No, WWID031999 (2008-2015)

PURCHASING MANAGER

TDK Components USA, Inc.

March 2000– April 2007 (5 years 2 months)

- Purchasing and Material Control Activities.
- Logistic Planning of Ocean Container Freight from Asia.
- Negotiation of Procurement Contracts and Terms and Conditions with Key Suppliers.
- HTS Tariff Classification and NAFTA Country of Origin Certificates.
- Establishment of Green Purchasing and RoHS Compliance Programs.

CERTIFIED PURCHASING MANAGER C.P.M. (2005 to 2015).

PRODUCTION MANAGER

TDK Components USA, Inc.

January 1992– March 1998 (6 years 3 months)

- Coordination of Production, Production Planning, and Production Maintenance Sections.

- Documentation for ISO 9001 Certification.
- ISO 14001 Certification Company-wide Management Representative.

ADMINISTRATION MANAGER

TDK Components USA, Inc.

February 1988– January 1992 (4 years)

- Prepared Employee Handbook.
- Personnel Planning, Policy Development and Interpretation.
- Facility Maintenance.
- Initial Plant Environmental and Other Permitting and Compliance
- Negotiation of Insurance Contracts.

ENGLISH TEACHER & PROJECT ASSISTANT--GEORGIA PROJECT

TDK Corporation, Akita, Japan

April 1985– February 1988 (2 years 11 months) Nikaho, Akita, Japan

- Preparation in Japan for Production Facility in the United States.
- English instruction to Engineers and Managers
- Prepared the Operating Instruction Standards,
- Directed Training of American Production Supervisors in Japan.

Oyama English School Tochigi, Japan

May 1983– May 1985 (2 years)

Certificate in Global TESOL--Clayton State University

U.S. PEACE CORPS VOLUNTEER--SOUTHERN LEYTE, PHILIPPINES

Philippines, Family Health Program, Sogod, Southern Leyte

September 1979– June 1982 (2 years 10 months)

LANGUAGE

Japanese: Basic Conversation & Reading Skills

Spanish: Intermediate Conversation, Reading and Writing Skills

Cebuano: Advanced Conversation Skills.

ACADEMIC ARTIFACT 01, The University of West Georgia Master of Science in Rural and Small Town Planning, GIS Graduate Certificate & Phi Kappa Phi 2006-2009.

I began my Graduate Studies at West Georgia, due to the environmental course work contained in the program. Course material had substantial Land Use content as well as Environmental Policy at the local level. One focus on environmental protection is moving in the direction of stormwater and preservation of natural assets through effective zoning and local land trusts. The West Georgia evening program was the only graduate degree within commuting distance with environmental content available to me while I was working at TDK.

AA 03-2, With effective use of my elective course work and taking courses during the summer after I graduated, I was able to get a Graduate Certificate in Geographic Information Systems (GIS). These powerful imaging and mapping tools are essential in environmental research at the macro level.

AA 03-3, My academic achievement at West Georgia was such that I was inducted into The Honor Society of Phi Kappa Phi.

AA03-4, Columbus State University, Master of Science in Environmental Science 2009-2012.

AA03-5, University of Alabama, Bachelor of Science in Commerce and Business Administration. 1974-1979.

AA03-6 , Griffin Technical College, Associate of Applied Science Degree Air-Conditioning Technology.

PROFESSIONAL ARTIFACT 01, United States Peace Corps Certificate of Appreciation from President Reagan, Description of Service and Press Release.

Upon graduating from the University of Alabama in May 1979, I joined the United States Peace Corps. I was assigned to the Philippines and was responsible to the Municipality of Sogod in the Province of Southern Leyte. I served as a Small Business Assistant assigned to the Mayor's Office. My projects included a market improvement study and an update to the financial feasibility study of the proposed new market. My other projects included setting up bookkeeping systems for several local small businesses and I taught an entrepreneurial development class at the Sogod School of Arts and Trades. After one year at mid-service, I transferred to the Leyte Traveling Skin Clinic (LTSC) with Responsibilities of all Southern Leyte. I was trained for this work at the Eversly Childs Sanitarium, Consolacion, Cebu. Training concerned the diagnosis of leprosy. In Southern Leyte, my main objectives were to integrate Leprosy Control into the 18 Municipal Rural Health Units in Southern Leyte, examine family contacts for new case findings as well as education of RHU personnel about leprosy and management of leprosy records of the LTSC at the RHU. The patients primarily lived in the rural areas of the Province. Segregating patients was not effective in stopping the spread of the disease. UNICEF provided medicine for free, but because of the stigma attached to the disease there was a disconnect between the RHU and the patient. Often a simple visit to their home by an American would work to dispel myths about the disease. The disease is not very contagious and casual contact will not cause infection.

After the completion of service in the Peace Corps, I remained in the Philippines for eight months of travel around the country.

PA 01-2 Description of Peace Corps Volunteer Service,

PA 01-3 Press Release in my hometown newspaper describing my service.

Key competencies I acquired during my service as a US Peace Corps Volunteer in the Philippines, in addition to the intimate understanding of a culture very different than that of the United States, I gained an appreciation of what it means to be an American in an increasingly global society. To be able to see the effect that American culture has internationally based on the expressions of it demonstrated in the popular media formed my critical view of our responsibilities to be a positive influence throughout the world. I came to realize that the insidious and pervasive nature of American cultural forces and globalization of markets threatens the natural and cultural diversity of global society. The mindless expansion of global capitalism led by the US and other Western developed nations cannot be sustained.

PROFESSIONAL ARTIFACT 02, Teaching English in Japan 1985-1988

I offer as a cover of PROFESSIONAL ARTIFACT 02 my Shō Dan degree in Shō Rin Ji Kempo, a Japanese martial art similar to Kung-fu. It traces its origin to the Shaolin Temple in China. This document is in Japanese and, since it relates to spiritual and physical aspects of my training rather than academic and professional pursuits, it requires no translation.

After a short period of travel and part time jobs in my hometown, I secured a position teaching English in Japan. The Peace Corps publishes a "Hotline" to advertise positions for idealistic individuals with cross-cultural experience abroad. I was very interested in Japan due to my association with Japanese volunteers at the trade school in Southern Leyte. For the first two years of my time teaching in Japan, I was assigned to a city near Tokyo. I secured a position in northern Japan and for the next three years. I was the in-house teacher for TDK Corporation headquartered in Nikaho, Akita and a project assistant working on the plan to establish electronic component and magnet manufacturing in America. Nikaho was quite an experience for me. I led a sheltered existence teaching English near Tokyo. There were six American teachers there and therefore, I did not have much exposure to the "real" Japanese culture. At TDK, I resided at the company dormitory and was fully integrated into the company. After three years, I accepted a position to work at the new factory in Georgia.

PA 02-2 (4 pages) you will find the description of the English program I developed at TDK

PA 02-3 (6 pages) An assignment for PADM 9060 that offers an intimate look at three critical career decisions.

PA 02-4 (5 pages) Speech I delivered to a United Nation Cultural symposium in Honjo, Akita, Japan in September 1986 during tenure as an English Teacher with TDK Corporation, Nikaho, Akita, Japan.

PA 02-5 Certificate in Global Teaching English to Speakers of other languages. This is a one-year program from the Continuing Education department at Clayton State University. This

certificate, coming some twenty years after teaching in Japan, may facilitate volunteer work with immigrant groups in the future.

Coming after my Peace Corps experience in the Philippines, my competence in cross-cultural understanding was greatly enhanced in Japan. In stark contrast to Philippine society, that readily accepts and integrates foreigners into the daily life and social fabric, Japanese society is markedly closed. While I worked hard to integrate myself in TDK company work groups and a local martial arts group, I was accepted as an associate member at best and treated as a somewhat curious cultural entity. Realizing this limiting factor, I was able to gain an intimate understanding of Japanese culture and history through daily interactions and conversations with my students, who generally held me in high regard. Generally, the honesty and hospitality of the honor bound Japanese, made my five year stay in Japan both rewarding and formative.

PROFESSIONAL ARTIFACT 03, TDK Components USA, Inc. Achievements 1988-2011

My work at TDK in Georgia in the manufacturer of chip capacitors spanned 25 years. My resume provides details of my various positions at the company. I was fortunate to work for a company that stresses environmental stewardship. The promotional poster shown in PA03 was used to promote the company wide establishment of a comprehensive Environmental Management System. This was a ground floor opportunity for me in 1988, and the company spared no expense to install state of the art water treatment systems and other pollution control systems. While TDK Components had a relatively small environmental footprint from the beginning, because of our electroplating process, we had to comply with the spectrum of environmental regulations--local, state and the EPA. As you can see from my resume above, my primary task was to ensure TDK Components was in complete compliance with all regulations and other requirements. In the early years, as Administration Manager, I set up the control systems and reporting mechanisms for the company. As Production Manager, I designed and implemented the ISO 14001 Environmental Management System (EMS) standards that set minimum requirements for improvement and control, similar to ISO 9000 Quality Management Systems. As Purchasing Manager, I established compliance programs for the European Union regulations to control toxic content in our purchased materials. To accomplish this I implemented the TDK Corporation worldwide Green Purchasing System.

Once the control systems were in place, we were able to transform from an emphasis on command and control systems to facilitate growth to a company that prioritized the further reduction of our environmental footprint, going beyond regulation and implementing stewardship programs to conserve energy, recycle, reuse, reduce materials, and conserve water. Here are some highlights of my career with TDK Components and the associated professional details and supporting artifacts:

Termination, Electroplating, Water Treatment Operations Begin,
August 1988.

Regulatory Challenges at start-up

- RCRA Large Quantity Generator of Hazardous Waste (greater than 2000 pounds per month)
- SARA Title III (Community Right to Know Legislation enacted after the tragedy at Bhopal, India)

- Air Permitting
- Waste Water Pretreatment Permit

TDK's Chip Capacitors adopt a Lead Free Design,
March 1999.

PA 03-2, TCU Achieved ISO 14001 Certificate of Registration,
April 22, 1999.

Achieved Small Quantity Generator Status (Hazardous Waste less than 2000 pounds per month),

February 18, 2002.

Became a "Zero Emission" facility according TDK Corporate Criteria of Process Solid Waste and Toxics,
September 22, 2003.

PA 03-3, Became a Charter Member of the National Environmental Performance Track, a voluntary program to promote leadership in the private sector,
January 18, 2001.

PA 03-4, TDK Components USA, Inc. wins 2008 National Performance Track, Environmental Performance Award. We were one of two companies selected in the Southeast and one of five nationwide.
August 19, 2008.

PA 03-5, Press release from EPA announcing award and achievement details,
August 8, 2008.

Became a Gold Level Member of Georgia P²AD (Pollution Prevention Assistance Division of Georgia Department of Natural Resources),
June 30, 2006.

PA 03-6, TDK Components wins 2010 Partner of the Year Award from the Sustainability Division of the Georgia DNR. Letter of congratulation from Senator Johnny Isakson.
October 20, 2010.

PA 03-7, Governor Sonny Perdue press release announcing the Partner of the Year Award and details of achievement. Details of the program are included in the release,
October 6, 2010.

PA 03-8, The Peachtree City, Citizen Newspaper clipping announcing award. Includes information about this award and previous award,
October 9, 2010

PA 03-9, Industrial Waste Water Treatment Plant of the Year Awarded by the Georgia Water and Pollution Control Association. The award this year was special because this was the first time the organization had a company nominated by the local regulator, Peachtree City Water and Sewerage Authority, March 6, 2003.

PA 3-10, Certified Wastewater Industrial Operator for William Thurman Nutt.

PA 3-11, Certified Purchasing Manager for William Thurman Nutt.

PA 3-12, Published article written by me outlining TDK's business and History in Georgia. Included to familiarize those interested in company history going back to 1935.

AA 05, "Organizational Change in Japan Overseas Manufacturing Facilities", an artifact appearing below, was written for a course at West Georgia and describe information about TDK being a Z-Management Style Organization. The names are changed to protect the innocent; otherwise, it is based on facts of the Company.

As a founding manager of the capacitor manufacturing subsidiary of TDK in the United States, I gained key competencies in all functional areas. In true Z-Corporate tradition, I was moved from department to department and able to develop skills in a wide range of professional areas. General Administrative and Human Resource skills in adapting the Japanese system to the diverse work force in Georgia were key in the initial years as well as gaining a thorough knowledge of the complexities of the regulatory environment and their interactions at the local, state and federal levels.

While it may be gratifying to believe that there was a deliberate attempt by TDK to develop my professional skill set for higher use by the company, the insular nature of subsidiary management and the policy of having Japanese expatriates in key top positions, precluded any such notion. Realistically my movement from one department to another was based on management expediency and necessity and I was able to develop my professional abilities within this framework. Indeed, it was the realization of my career development toward environmental stewardship that directed the latter half of my two and a half decades at TDK. In hindsight, my deliberate direction toward specialization in environmental management facilitated my transition to a second career outside TDK and this artifact illustrates this professional progression.

PROFESSIONAL ARTIFACT 04, United States Peace Corps Response Volunteer, Certificate of Appreciation Philippine Volunteer Coordinating Agency.

PA 04-2 Description of Peace Corps Response Volunteer Service,

PA 04-3 Assessment of Groundwater Resources. Final Report submitted to the Municipality of Guiuan Eastern Samar.

As noted above, I began my professional career after graduating from the University of Alabama, by joining the US Peace Corps and serving on the island of Leyte in the Philippines. Leyte and Samar were the two islands affected by Super Typhoon Yolanda (designated Haiyan internationally), November 8, 2013. After the typhoon struck, I expressed my willingness to help in any way possible and was fortunate to be selected to serve in the six-month Peace Corps Response program to provide assistance to the affected area. The Peace Corps was looking for someone with a graduate degree in Environmental Science or Rural Planning with GIS

experience, I had both. More importantly, I had an intimate experience and knowledge of the regions culture and language.

As a "Comprehensive Environmental Land Use Planning and Mapping Expert" I was a member of the Guiuan Recovery and Rehabilitation Group of the municipal government planning office. Guiuan, Eastern Samar was the municipality that received the initial and direct impact of the typhoon. I was responsible for mapping and assessing the groundwater resources of Guiuan. My primary duties were to participate in the gathering of local environmental data and provide technical assistance in data processing, analysis, and geo-spatial presentation. An initial accomplishment was the ArcGIS geo-referencing and digitizing the blueprint cadastral survey maps and other printed maps of the 60 barangays to produce an accurate political boundary map. I then conducted a comprehensive field survey of 37 rural barangays to assess and map the condition of fresh water resources. The survey included 969 wells and pumps as well as locations and condition of barangay and municipal water system access points. Ecologically sensitive areas and watershed aspects such as zones of vulnerability and recharge areas were also identified and mapped.

This artifact outlines experience that allowed me to utilize the training and education I received in earning my two graduate degrees in rural planning and environmental science as well demonstrate my expertise in Geographical Information Systems applications. It also illustrates my willingness and ability to work in disaster zones under conditions of physical and mental hardship. These areas that are increasingly feeling the direct effects of global environmental problems, such as global climate change.

ACADEMIC ARTIFACT 02, Organizational Change in Japanese Facilities UWG POLS 6203 Theories of Public Organizations Fall 2006.

The Organizational Structures of two manufacturing subsidiaries of a Japanese based corporation (TDK) in the United States is examined in this study. Specifically, the subsidiary organized as the production base for electronic components in the United States is analyzed in detail. The effects of the business environment, its organizational relationship with its neighboring sister subsidiary, the leadership changes, and cultural changes that it undergoes over a 20 year period is correlated with classical modern administrative and organizational theory.

This artifact elaborates on the cross-cultural influences and values of the Japanese corporate society on my professional development during my years with TDK. Of particular interest was the effect that different leadership styles exhibited by the rotating Japanese top managers of our local facility. A key skill I developed during this time and illustrated in this artifact was in the area of policy interpretation and implementation. Simply stated, that policies are necessarily general in nature, but must be adhered to in effective administration. The key to effective management is in the implementation. Each individual employee's situation is different and may require different interpretations within the policy framework. The effective manager will make the employee feel that their particular situation is taken into account when policy decisions that affect them are made.

ACADEMIC ARTIFACT 03, Professionalism and Organizational Values UWG POLS 6201 Theory of Public Administration Fall 2008.

This case study deals with the friction between government administrators, commercial interest groups and their closely allied elected officials. Deeply held personal convictions on the part of a new library administrator, concerning professionalism and the role of the library in the community are considered. The first part of the study sets the stage by comparing and contrasting the principals in the Public Administration academic field with that of the Library Science field.

As the case study artifact in my portfolio, this paper represents my ability to carry out a formal analysis in the area of Public Administration and the sometimes conflicting goals between elected officials and appointed professionals.

ACADEMIC ARTIFACT 04, Economic Valuation of Environmental Services in Fayette County, Georgia UWG Spring 2009 Capstone Project.

A Capstone Planning Project Submitted in Partial Fulfillment of the Requirements for the Master of Science Degree in Rural and Small Town Planning, The University of West Georgia. Recent trends indicate the need for a more accurate valuation of the economic services that are provided by the environmental resources in our local areas. Traditionally we have based valuation of land solely on market valuations of services such as food production and recreational benefits and on the development potential of the land. The market has been inadequate in providing an accurate valuation of the services that environmental resources such as forests, wetlands, and open spaces provide. In recognizing this failure, computer models have been developed that measure the value of these services in terms of pollution removal and carbon sequestering among others. This study evaluates the feasibility of using such a model in Fayette County, Georgia.

This artifact represents my first successful attempt to assemble a comprehensive study to represent the culmination of the master's phase of my graduate coursework. It competently integrates my Geographical Information Systems area studies with the local planning areas of land use and environmental policy. This research formed the foundation of much of my doctoral work.

ACADEMIC ARTIFACT 05, The Effect of Stream Width on Stream Quality at the Confluence of Flat Creek and Line Creek in Fayette County CSU ENVS 6207 Ecological Methods Fall 2009.

As urban planners and ecologists work to restore the natural hydraulic parameters of riparian environments along the flood plains of urban streams, they have flexibility in deciding the level of structural complexity in channel reconfiguration and re-alignment in order to restore the ecological integrity, and natural structures and functions of streams. The objective of this study is to assess the relation of stream width to stream quality as measured by chemical characteristics of the water and measures of the makeup of the aquatic macroinvertebrate populations. By comparing these stream quality parameters within three streams closely associated spatially, we hypothesize that stream width is a determinant of stream quality and may serve to inform stream restoration efforts.

This artifact illustrates my abilities to conduct a statistical analysis using SPSS of field data I collected by sampling the chemical and biological characteristics of local streams. Coming in the

first semester of my graduate studies, I was able to leverage my previous knowledge of statistical techniques to the field of ecology specifically and environmental science generally. While my experience in environmental management and Master of Science degree at the University of West Georgia were factors in my admission to the Environmental Science program at Columbus State University, I was able to prove myself competent to grasp the scientific concepts in natural science areas that I was weak academically. This course gave me the confidence to go on to successfully complete the degree with specialized graduate coursework in hydrology, geology and paleoclimatology.

ACADEMIC ARTIFACT 06, Geological Provinces of Georgia CSU ENV5 7775 Special Topics Summer 2010.

The weekends during this summer were spent in the field. Using notes from lectures delivered at the geological features site along with our own pictures, we were to create a field guide that would be useful to those interested in following the same route. Camping at State Parks was a highlight of the trip. I am quite proud of this work as it reflects my respect for the professor and the course. Dr. Frazier's written comments were especially gratifying:

"I actually don't quite know how to say about this (I'm rarely stumped for words), but this is easily the best paper in this year's class. It's probably the best I've ever read from a Geology of Georgia group. I have no criticisms at all. I greatly appreciate the effort you obviously put into the paper and the trips in general."

My ability to do work involving geological concepts is found in this artifact. The course is an elective of the Environmental Science program, but if graduate students were going to prove their abilities in field survey methods to Dr. Frazier, the Department Chair, it was required. While the subject of the study was narrowly focused on Georgia, I was able to place the local geologic forces at work in the larger context of the evolution of the structures over the entire geologic history of the earth. Through this focused study, I became quite knowledgeable and conversant in the different geologic time periods.

ACADEMIC ARTIFACT 07, Rural Blight, Characterization of Values and Perspectives VSU PADM 9050 Program Evaluation Fall 2011

The rural landscape is being transformed from an economy based on land devoted to agriculture to new residential development. This development creates a downward spiral where further fragmentation of farms affects their viability. Counties in rural Georgia are seeing their natural environment give way to the pressures of poorly planned concentrated residential development and the decline of the traditional economy. By conducting online surveys of county officials I attempt to answer this research question: "Is there a consensus among leaders in the counties concerning the value placed on the visual environment and are the perceptions of rural blight in sufficient agreement to shape local policy?" A field survey attempts to define blight through pictures.

This artifact is evidence of my ability to conduct an online survey and knowledgeable of specific survey techniques as well as Institutional Review Board requirements and processes. The subject of the study also represents a local issue that I am going to actively study and pursue after the conclusion of my doctoral studies.

ACADEMIC ARTIFACT 08, The Communist Manifesto by Karl Marx with Frederick Engels VSU PADM 9000 Administration and Government Fall 2010.

I provide an introduction to the work with an expansion of the text. I argue that Marx was one of the first environmentalists and that Global Warming will require rethinking property rights. Social and economic upheavals associated with Climate Change will require a move toward global socialism.

Not having a Political Science academic background, this course and the associated artifact gave me the opportunity to delve into comparative economic and political systems and the origins of critical theory. With this study I realized the basic truth in the view that Marx was misdirected when he came up with his revolutionary economic alternative however, he was absolutely correct in predicting the ills of society that would result from unfettered capitalism. Surprisingly, in many respects Marx was one of the first environmentalists.

ACADEMIC ARTIFACT 09, Natural Law and the Evolution of the Modern American Political State PADM 9030 Administration and Government Fall 2010.

At the end of the first decade of the Twenty-first Century, the citizens of the United States face a broad range of political issues of national importance. The Declaration of Independence, the instrument used to cast off the shackles of tyranny of the British Crown, and the Constitution, which enumerates our personal liberties and limits of our government, are themselves based on a higher authority. The foundations of these documents are pronouncements of natural law. Applications and arguments supporting natural law are found in arguments from King's "Letter from a Birmingham Jail" and form the basis of immigration law.

Concurrent with the term paper outlined in artifact 08 this artifact gave me insights to the foundations of our political system and its foundations in Natural Law. Within the context of the course requirements I was able to frame the current arguments over immigration, income inequality, and the ongoing struggle for civil rights. I became convinced that citizens could better understand the issues when they are placed in the context of our founding documents and use the fundamental concepts of Natural Law as a guide to inform our political response.

ACADEMIC ARTIFACT 10, Challenges in Local Governance Fayetteville Georgia VSU PADM 7250 Managing Small Cities and Counties Spring 2011.

This is an historical sketch of the city with an outline of the city government. The challenges that are examined are associated with the resistance of the affluent county to accept public transportation and the city's need to provide reliable transportation for its aging population.

This artifact represents a perennial election issue for the local governments in my home county and was literally "ripped from the headlines" in its factual subject matter and represents my ability to apply specific concepts in my coursework to practical everyday problems.

ACADEMIC ARTIFACT 11, English Language Acquisition by Hispanic High School Students in Georgia VSU PADM 9040 Research Methods in Public Administration Spring 2011.

In the State of Georgia, the recent influx of Hispanic immigrants has presented local school districts with new educational challenges. The school age children of these immigrants come from predominantly low-income households and they are deficient in English language skills. Studies have shown that Hispanic students in high schools with predominantly English native speakers are in academic environments in which there is little social support in their native language and limited resources toward English Language development. In this correlation study, I am interested in the degree of the relationship of two variables of four primary research hypotheses. The research questions: How much of the variability in test scores is explained by the informal and formal language-learning environment?

Leveraging my past experiences as an English Language instructor, this artifact exhibits further my ability to do research using correlation studies common to the education field. Immigration issues such as the effective delivery of language instruction to Hispanic students is a recurrent theme in my DPA research.

ACADEMIC ARTIFACT 12, The Federal Budget Deficit VSU PADM 9010 Financial Management Spring 2011.

This is a detailed analysis of the Federal Budget and Deficit Spending. The analysis includes trends in spending, revenue and deficits, and political and economic considerations in the budget debate.

This artifact is a good indication of my ability to access complex federal government datasets and analyze long term trends to inform factual comparisons in current political debate.

ACADEMIC ARTIFACT 13, Jane Addams Biographical Analysis VSU PADM 7040 Non-Profit Management Spring 2013.

I develop a biographical sketch of Jane Addams and explore both the historical and philosophical background of the social reformer as well as examine the character traits she possessed and how they were responsible for her being able to achieve the great things at Hull House. Addams believed that the best way for society to advance was to promote "lateral progress". Uplifting the masses of humanity was the only way to have true and lasting progress. I also look at the work of early collaborators and beneficiaries. Representing success stories in their own right, their lives illustrate the impact that the innovative Settlement House movement had influencing the sweeping reforms of the day.

Coming in the final semester of my coursework in the DPA program, I hold this paper up as the best example of my research and writing capability. Representing a synthesis of pragmatic and progressive thought, much of the content forms the arguments for the role of government in promoting the general welfare of society either through direct intervention or by promoting the works of private individuals through non-profit organizations. Environmentalists use much of the same rationale to argue for a more active role of government in regulating the commercial and industrial impact on the environment.

PORTFOLIO SUMMARY

Reflecting on my career direction and the Academic work undertaken to achieve my career goals was a rewarding task. Fortunately I have held on to the important documents that provide witness to my journey. Looking back and projecting the formation of my understanding of the natural world and the interrelationships of political, social, and economic players, I have developed keen interest to protect and preserve the natural world from the forces and interests that seem single minded in their intent to destroy it. This is not a realization that came to me as an outgrowth of my education and experience. The beginnings of my transition from a home grown naturalist to a passionate environmentalist can be traced to my earliest consciousness. While many young children are naturally drawn to the combination of water and earth, my curiosity was always directed toward the unexplored landscape and interrelationships within local ecosystems and their dependence on the hydrogeology and other essential life preserving aspects of the environment.

The logical progression of my career indicates a carefully planned progression of experiences and education. In actuality much of it, most if not all, is the result of doing what came next, luck, and following what my heart directed me to do. After the University of Alabama, out of many prospects, the US Peace Corps presented itself as the most attractive option. Ignoring as best I could the loud and vigorous protest of my parents of the prospects of me making \$125 dollars a month in the Philippines, I went. After more than two years of service in the Philippines I was intent on continuing my overseas experience in Asia with an aim to be able to continue my relationships in the Philippines.

The Peace Corps issued a "Hotline" of job postings by organizations that were looking for people with overseas experience that would basically work for low wages. Because of my Peace Corps service, I secured a position as an English instructor in Japan with a private English school. This lead to a teaching/consulting job with TDK in Japan and later in Georgia. Good fortune more than planning lead me back home with a stable company and a total of 25 years. I cannot imagine working for a better managed company. Their motto is "Contributing to Culture and Industry through Creativity". The stated company principles are "Courage, Vision, Trust". From what I experienced at every level of the company, these guided the company in every facet of their business.

Work at TDK while financially rewarding, became less challenging and I looked outside the company for areas of further career growth and development. As responsibilities as the family breadwinner became less vital, and financial sustainability became more certain, I opted for early retirement at TDK with a small pension. Of the many reasons for my decision to retire at 55, finishing my graduate studies was paramount. It became evident that finishing my Master of Science Degree at Columbus State would be delayed until my normal retirement years. Retirement allowed me to completed my Degree in December 2012 after two semesters of additional intensive study. Other academic work, a technical school Associates of Science degree in Air Conditioning technology and my first Master of Science Degree from West Georgia in Rural and Small Town Planning were all directed toward long term career goals in Environmental Stewardship. My Doctor of Public Administration degree from Valdosta State University has worked to further unify my academic research directed toward a more environmentally sustainable future.